

ACCESS NO. 8600270 FILETYPE C100 TRACK NO. 318657PROJECT
IDENTIFICATION

8600270

C100 / SP2

STEP	DATE	INIT.	TAPE OR DISK DSN	NO. FILES	RECL	BLK SIZE	NO. RECORDS
ORIG. TAPE			<u>A00294</u>	<u>1</u>	<u>80</u>	<u>3200</u>	<u>800</u>
DUPLICATE TAPE	<u>9/20/86</u>	<u>MRL</u>	<u>W04193</u>	<u>1</u>	<u>80</u>	<u>3200</u>	
REFORMATTED TAPE							
REFORMATTED DISK	<u>1-14-87</u>	<u>RPS</u>	<u>DNODEX TTOUT.</u>	<u>1</u>	<u>112</u>	<u>224</u>	<u>9304</u>
FIRST MULCHEK							
FINAL MULCHEK							
MPD75 OR F022							
DATA SET FINALIZED							

ERRORS REPORTED TO PRINCIPAL INVESTIGATOR:

ADDITIONAL ERRORS/CORRECTIONS (NOT REPORTED TO P.I.)

COMMENTS (TRACKS DELETED, FIELDS DELETED, ETC.)

TRANSMITTAL AND RECEIPT RECORD

(Please sign and return carbon copy acknowledging receipt)

National Oceanographic Data Center
Universal Building South
1825 Connecticut Avenue, NW
Washington, DC 20235

REFER TO

ATTENTION

Anthony Picciolo

THE ITEM(S) LISTED BELOW WERE FORWARDED TO YOU BY

☐ ORDINARY MAIL ☐ REGISTERED MAIL ☒ AIR MAIL ☐ CERTIFIED MAIL ☐ GOVERNMENT TRUCK ☐ BY HAND ☐ OTHER

Forwarded:

(1) magnetic tape containing Transient Tracers in the Ocean
- North Atlantic Bottle Data

(1) DDF (facsimile)

(1) Cover letter

NOTE: Expedition was funded by NSF, Grant OCE 79-25890.

Please forward an acknowledgment of receipt of data and the NODC assigned reference numbers to Kristin Sanborn, PACODF, A014, SIO, La Jolla, California 92093

cc: K. Sanborn, SIO

8600270

A00294

FORWARDED BY (Signature)

TITLE

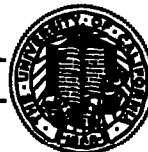
DATE FORWARDED

Elson C. Ross, Jr.
RECEIVED BY (Signature)Liaison Officer
TITLE8/13/86
DATE RECEIVED

8600270

UNIVERSITY OF CALIFORNIA, SAN DIEGO

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

SCRIPPS INSTITUTION OF OCEANOGRAPHY

LA JOLLA, CALIFORNIA 92093

STS/Physical & Chemical Oceanographic
Data Facility A-014

5 August 1986

Mr. Nelson C. Ross, Jr.
NODC Representative
A-003
SWFC (NMFS)

Dear Nelson:

Enclosed are the Transient Tracers in the Ocean - North Atlantic Study bottle data tape with appropriate documentation.

This expedition was funded by National Science Foundation under Grant OCE 79-25890. If there are any questions regarding this data set, please let me know.

Sincerely,

Kristin

Kristin M. Sanborn
Data Requests & Releases

kms

cc: David Wirth
Robert T. Williams
Dr. Curtis A. Collins

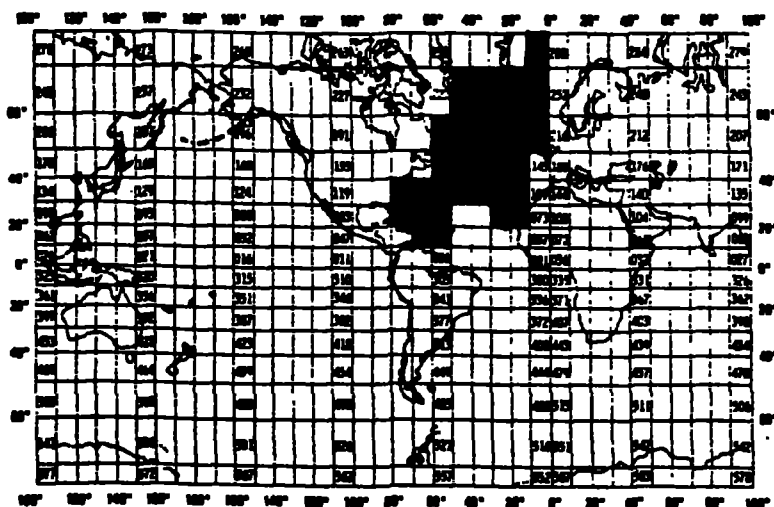
Enclosures: TIO-NAS bottle data tape with documentation

A. ORIGINATOR IDENTIFICATION

1. NAME AND ADDRESS OF INSTITUTION, LABORATORY WITH WHICH SUBMITTED DATA ARE ASSOCIATED:
PHYSICAL AND CHEMICAL OCEANOGRAPHIC DATA FACILITY
SCRIPPS INSTITUTION OF OCEANOGRAPHY
UNIVERSITY OF CALIFORNIA, SAN DIEGO A-014
LA JOLLA, CA 92093
2. EXPEDITION DURING WHICH DATA WERE COLLECTED:
TRANSIENT TRACERS IN THE OCEAN - NORTH ATLANTIC STUDY
3. CRUISE NUMBER USED BY ORIGINATOR TO IDENTIFY DATA IN THIS SHIPMENT:
77
4. PLATFORM NAME:
RV KNORR
5. PLATFORM TYPE:
RESEARCH VESSEL
6. PLATFORM AND OPERATOR NATIONALITY:
PLATFORM: U.S.A.
OPERATOR: U.S.A.
7. DATES:
FROM: 1 APRIL 1981
TO: 19 OCTOBER 1981
8. RELEASE DATE IF DATA PROPRIETARY:
N.A.
9. ARE DATA DECLARED NATIONAL PROGRAM (DNP)?
YES
10. PERSON TO WHOM INQUIRIES CONCERNING DATA SHOULD BE ADDRESSED:
ADDRESS SAME AS # 1.
ROBERT T. WILLIAMS
OR
KRISTIN M. SANBORN
(619) 534-4425

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

GENERAL AREA



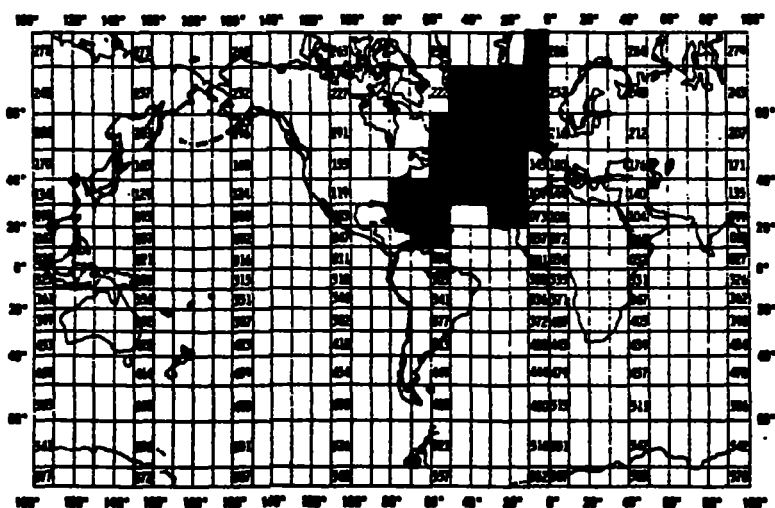
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960077D

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

GENERAL AREA



*****B. SCIENTIFIC CONTENT
NAME OF DATA REPORTING UNITS
FIELD OR CODE

METHODS OF OBSERVATION AND
INSTRUMENTS USED

ANALYTICAL METHODS
(INCLUDING MODIFICATIONS)
AND LABORATORY PROCEDURES

DATA PROCESSING
TECHNIQUES WITH FILTERING
AND AVERAGING

DEPTH	METERS	N.A.	N.A.	Calculated from pressure by integration of hydrostatic equation
TEMPERATURE	CELSIUS	Neil Brown Mark III CTD	N.A.	Averaged over at least 1 roll period of ship
		Deep Sea Reversing Thermometers	N.A.	N.A.
SALINITY	PRACTICAL SALINITY UNITS	Niskin Bottles	Duplicate measurements by Guildline Model 8400 laboratory salinometer	PSS-78
		Neil Brown Mark III CTD	N.A.	PSS-78, SEE TEMPERATURE
OXYGEN	MILLILITERS/LITER	Niskin Bottles	WINKLER titration as revised by J. H. Carpenter (1965)	N.A.
PHOSPHATE	MICROGRAM-ATOMS/LITER	Niskin Bottles	Hydrazine reduction of phosphomolybdic acid Bernhardt & Wilhelm (1967) Technicon AutoAnalyzer	N.A.
SILICATE	MICROGRAM-ATOMS/LITER	Niskin Bottles	Stannous chloride reduction of silicomolybdic acid Armstrong et al. (1967) Technicon AutoAnalyzer	N.A.
NITRITE	MICROGRAM-ATOMS/LITER	Niskin Bottles	Diazotization and coupling to form dye. Method of Armstrong et al. (1967). Technicon AutoAnalyzer	N.A.
NITRATE	MICROGRAM-ATOMS/LITER	Niskin Bottles	Reduced by copperized cadmium; analyzed as Nitrate by method of Armstrong et al. (1967) Technicon AutoAnalyzer	N.A.

C. DATA FORMAT

1. RECORD TYPES

MASTER INFORMATION - IDENTIFIED BY A 1 IN
LAST CHARACTER OF LOGICAL RECORD OF 80 CHARACTERS

MASTER INFORMATION - IDENTIFIED BY A 2 IN
LAST CHARACTER OF LOGICAL RECORD OF 80 CHARACTERS

DATA RECORD - IDENTIFIED BY A 3
IN LAST CHARACTER OF LOGICAL RECORD OF 80 CHARACTERS

2. DESCRIPTION OF FILE ORGANIZATION

LOGICAL RECORD LENGTH OF 80 CHARACTERS

PHYSICAL RECORD LENGTH OF 3200 CHARACTERS

FOR EACH STATION, TWO MASTER RECORD FOLLOWED BY A DATA RECORD FOR EACH
LEVEL

EOF AT END OF CRUISE

3. ATTRIBUTES AS EXPRESSED IN FORTRAN

4. LABEL

SCRIPPS INSTITUTION OF OCEANOGRAPHY

PHYSICAL & CHEMICAL OCEANOGRAPHIC

DATA FACILITY TAPE #13

ASCII;800BPI NRZI;9-TRACK;PARITY ODD;

FILES=1;BLOCK=3200;RECORD LENGTH=80

PROJECT: TIO-NAS (1984 SD2 FORMAT)

DATE: 16 JUNE 1986

LEG 1 STATIONS 1 - 14

LEG 2 STATIONS 15 - 41

LEG 3 STATIONS 42 - 109

LEG 4 STATIONS 110 - 140

LEG 5 STATIONS 141 - 171

LEG 6 STATIONS 172 - 219

LEG 7 STATIONS 220 - 250

MASTER RECORD 1:

START FORMAT ITEM

COLUMN

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** 1 I1 CONTINUATION INDICATOR
** 2 I1 BLANK
** 3 I2 NODC REFERENCE NUMBER - COUNTRY
** 5 I1 NODC REFERENCE NUMBER - FILE CODE always "5"
** 6 I4 NODC REFERENCE NUMBER - CRUISE NUMBER
** 10 I4 NODC CONSECUTIVE STATION NUMBER
** 14 I2 DATA TYPE
** 16 2X BLANK
** 18 I4 TEN-DEGREE SQUARE, WHO
** 22 I2 ONE-DEGREE SQUARE, WHO
** 24 I2 TWO-DEGREE SQUARE, WHO
** 26 I1 FIVE-DEGREE SQUARE, WHO
** 27 A1 N OR S HEMISPHERE OF LATITUDE
** 28 I2 DEGREES LATITUDE
** 30 I2 MINUTES LATITUDE
** 32 I1 MINUTES LATITUDE, TENTHS
** 33 A1 W OR E HEMISPHERE OF LONGITUDE
** 34 I3 DEGREES LONGITUDE
** 37 I2 MINUTES LONGITUDE
** 39 I1 MINUTES LONGITUDE, TENTHS
** 40 I1 QUARTER OF ONE-DEGREE SQUARE, WHO
** 41 I2 YEAR, GMT
** 43 I2 MONTH OF YEAR, GMT
** 45 I2 DAY OF MONTH, GMT
** 47 F3.1 STATION TIME, GMT HOURS TO TENTHS
** 50 I2 DATA ORIGIN - COUNTRY
** 52 I2 DATA ORIGIN - INSTITUTION
** 54 A2 DATA ORIGIN - PLATFORM
** 56 I5 BOTTOM DEPTH (WHOLE METERS)
** 61 I4 EFFECTIVE DEPTH (WHOLE METERS)
** 65 F3.1 CAST DURATION (HOURS TO TENTHS)
** 68 A1 CAST DIRECTION (U=UP,D=DOWN,A=AVERAGE OF UP & DOWN CASTS)
** 69 I1 BLANK
** 70 I1 DATA USE CODE
** 71 I4 MINIMUM DEPTH
** 75 I4 MAXIMUM DEPTH
** 79 I1 ALWAYS 2 NEXT RECORD INDICATOR
** 80 I1 ALWAYS 1 RECORD INDICATOR

```

** FIELD DEFINED BY NODC, CALCULATION NOT DONE BY THIS FACILITY.

MASTER RECORD 2:

START FORMAT ITEM

COLUMN

1	I4	DEPTH DIFFERENCE (BOTTOM DEPTH - MAXIMUM DEPTH)
** 5	2X	SAMPLE INTERVAL
** 7	A1	% SALINITY OBSERVED(0=1-9%, 9=90-99%, - = 0)
** 8	A1	% OXYGEN OBSERVED(0=1-9%, 9=90-99%, - = 0)
** 9	A1	% PHOSPHATE OBSERVED(0=1-9%, 9=90-99%, - = 0)
** 10	A1	% TOTAL PHOSPHOROUS OBSERVED(0=1-9%, 9=90-99%, - = 0)
** 11	A1	% SILICATE OBSERVED(0=1-9%, 9=90-99%, - = 0)
** 12	A1	% NITRITE OBSERVED(0=1-9%, 9=90-99%, - = 0)
** 13	A1	% NITRATE OBSERVED(0=1-9%, 9=90-99%, - = 0)
** 14	A1	% PH OBSERVED(0=1-9%, 9=90-99%, - = 0)
15	A3	ORIGINATOR'S CRUISE IDENTIFIER
18	A9	ORIGINATOR'S STATION IDENTIFIER
** 27	I2	WATER COLOR FOREL-ULE SCALE
** 29	I2	WATER TRANSPARENCY SECCHI DEPTH (WHOLE METERS)
** 31	I2	WAVE DIRECTION
** 33	A1	WAVE HEIGHT
** 34	I1	SEA STATE
** 35	A2	WIND FORCE
** 37	I1	FILE UPDATE CODE
** 38	A1	WAVE PERIOD
** 39	I2	WIND DIRECTION
** 41	I2	WIND SPEED
** 43	F5.1	BAROMETRIC PRESSURE, MILLIBARS
** 48	F4.1	DRY BULB TEMPERATURE, CELSIUS
** 52	I1	DRY BULB TEMPERATURE, PRECISION (0=WHOLE DEG, 1=TENTHS, 9=BLANK)
** 53	F4.1	WET BULB TEMPERATURE, CELSIUS
** 57	I1	WET BULB TEMPERATURE, PRECISION (0=WHOLE DEG, 1=TENTHS, 9=BLANK)
** 58	A2	WEATHER (X IN COL. 58 INDICATES ONE DIGIT CODE)
** 60	I1	CLOUD TYPE
** 61	I1	CLOUD AMOUNT
62	I3	NUMBER OF OBSERVED DEPTHS
65	I2	NUMBER OF STANDARD DEPTH LEVELS
67	I3	NUMBER OF DETAIL DEPTHS
70	9X	BLANK
79	I1	NEXT RECORD INDICATOR
80	I1	ALWAYS 2 RECORD INDICATOR

** FIELD DEFINED BY NODC, NO DATA SAMPLED OR CALCULATIONS NOT DONE BY THIS FACILITY.

DATA RECORD:

START FORMAT ITEM

COLUMN

1	I5	DEPTH, METERS
6	I1	DEPTH QUALITY INDICATOR
7	A1	THERMOMETRIC DEPTH FLAG
8	F5.3	TEMPERATURE, CELSIUS
13	I1	TEMPERATURE, PRECISION (1,2, OR 3, 9=BLANK)
14	I1	TEMPERATURE QUALITY INDICATOR
15	F5.3	SALINITY, PARTS/THOUSAND
20	I1	SALINITY PRECISION (1,2, OR 3, 9=BLANK)
21	I1	SALINITY QUALITY INDICATOR
** 22	I4	SIGMA-T
** 26	I1	SIGMA-T QUALITY INDICATOR
** 27	I5	SOUND SPEED (METERS/SECOND TO TENTHS)
** 32	I1	SOUND SPEED PRECISION
33	F4.2	OXYGEN, MILLILITERS/LITER
37	I1	OXYGEN PRECISION (1 OR 2, 9=BLANK)
38	I1	OXYGEN QUALITY INDICATOR
** 39	I1	DATA RANGE CHECK FLAGS 0=IN RANGE, 1=OUT OF RANGE, PHOSPHATE > 4.00
** 40	I1	TOTAL PHOSPHATE < PHOSPHATE
** 41	I1	SILICATE > 300.0
** 42	I1	NITRITE > 4.0
** 43	I1	NITRATE > 45.0
** 44	I1	PH < 7.40 OR > 8.50
45	F3.1	CAST START TIME OR MESSENGER RELEASE TIME
48	I1	CAST NUMBER
49	F4.2	INORGANIC PHOSPHATE (MICROGRAM-ATOMS/LITER)
53	I1	INORGANIC PHOSPHATE, PRECISION (1,2 OR 9=BLANK)
54	F4.2	TOTAL PHOSPHOROUS
58	I1	TOTAL PHOSPHOROUS, PRECISION (1, 2 OR 9=BLANK)
59	F4.1	SILICATE (MICROGRAM-ATOMS/LITER)
63	I1	SILICATE PRECISION (1 OR 9=BLANK)
64	F3.2	NITRITE (MICROGRAM-ATOMS/LITER)
67	I1	NITRITE PRECISION (1, 2 OR 9=BLANK)
68	F3.1	NITRATE (MICROGRAM-ATOMS/LITER)
71	I1	NITRATE PRECISION (1 OR 9=BLANK)
72	F3.2	PH
75	I1	PH, PRECISION
76	2X	BLANK
** 78	I1	DENSITY INVERSION FLAG
79	I1	NEXT RECORD TYPE
80	I1	RECORD TYPE

** FIELD DEFINED BY NODC, CALCULATION NOT DONE BY THIS FACILITY.

D. INSTRUMENT CALIBRATION

INSTRUMENT TYPE	*DATE OF LAST * CALIBRATION	*INSTRUMENT CALIBRATED BY *	*INSTRUMENT IS CALIBRATED *
NEIL BROWN MARK III CTD*	* * *	* PHYSICAL & CHEMICAL OCEANOGRAPHIC * * DATA FACILITY * * SCRIPPS INSTITUTION OF OCEANOGRAPHY* * UNIVERSITY OF CALIFORNIA, SAN DIEGO*	* BEFORE AND AFTER USE, AND * * BY COMPARISON AGAINST * * BOTTLE DATA *
REVERSING THERMOMETER *	* * *	* PHYSICAL & CHEMICAL OCEANOGRAPHIC * * DATA FACILITY * * SCRIPPS INSTITUTION OF OCEANOGRAPHY* * UNIVERSITY OF CALIFORNIA, SAN DIEGO*	* 1-2 YEAR INTERVALS, AS * * NEEDED. *
SALINOMETER *	* * *	* PHYSICAL & CHEMICAL OCEANOGRAPHIC * * DATA FACILITY * * SCRIPPS INSTITUTION OF OCEANOGRAPHY* * UNIVERSITY OF CALIFORNIA, SAN DIEGO*	* WITH WORMLEY STANDARD * * SEA WATER BEFORE AND * * AFTER EACH RUN *

TABULATION OF SALINITIES REPORTED FROM CTD DATA WITH SUPPORTING REMARKS.

**STATION SAMPLE DEPTH
NUMBER**

3	111	805	BOTTLE SALINITY NOT DRAWN.
5	218	1581	HIGH BOTTLE SALINITY VALUE DELETED.
15	235	4582	HIGH BOTTLE SALINITY VALUE DELETED.
16	235	4680	HIGH BOTTLE SALINITY VALUE DELETED.
17	102	68	BOTTLE SALINITY NOT DRAWN.
17	103	93	BOTTLE SALINITY NOT DRAWN.
17	104	192	BOTTLE SALINITY NOT DRAWN.
17	108	394	BOTTLE SALINITY NOT DRAWN.
17	109	494	BOTTLE SALINITY NOT DRAWN.
17	110	594	BOTTLE SALINITY NOT DRAWN.
17	111	695	BOTTLE SALINITY NOT DRAWN.
17	112	844	BOTTLE SALINITY NOT DRAWN.
17	114	1194	BOTTLE SALINITY NOT DRAWN.
17	116	1742	BOTTLE SALINITY NOT DRAWN.
17	118	1991	BOTTLE SALINITY NOT DRAWN.
17	127	4388	BOTTLE SALINITY NOT DRAWN.
17	129	5079	BOTTLE SALINITY NOT DRAWN.
17	130	5088	BOTTLE SALINITY NOT DRAWN.
17	131	5090	BOTTLE SALINITY NOT DRAWN.
17	132	5093	BOTTLE SALINITY NOT DRAWN.
17	133	5098	BOTTLE SALINITY NOT DRAWN.
17	134	5108	BOTTLE SALINITY NOT DRAWN.
17	135	5123	BOTTLE SALINITY NOT DRAWN.
18	102	10	BOTTLE SALINITY NOT DRAWN.
18	103	63	BOTTLE SALINITY NOT DRAWN.
18	104	63	BOTTLE SALINITY NOT DRAWN.
18	108	295	BOTTLE SALINITY NOT DRAWN.
18	109	295	BOTTLE SALINITY NOT DRAWN.
18	110	397	BOTTLE SALINITY NOT DRAWN.
18	111	498	BOTTLE SALINITY NOT DRAWN.
18	112	596	BOTTLE SALINITY NOT DRAWN.
18	114	847	BOTTLE SALINITY NOT DRAWN.
18	116	1196	BOTTLE SALINITY NOT DRAWN.
18	118	1594	BOTTLE SALINITY NOT DRAWN.
18	120	1988	BOTTLE SALINITY NOT DRAWN.
18	121	2481	BOTTLE SALINITY NOT DRAWN.
18	122	3069	BOTTLE SALINITY NOT DRAWN.
18	123	3561	BOTTLE SALINITY NOT DRAWN.
18	127	5429	BOTTLE SALINITY NOT DRAWN.
18	128	5437	BOTTLE SALINITY NOT DRAWN.
18	129	5446	BOTTLE SALINITY NOT DRAWN.
18	130	5455	BOTTLE SALINITY NOT DRAWN.
18	131	5456	BOTTLE SALINITY NOT DRAWN.
18	132	5458	BOTTLE SALINITY NOT DRAWN.
18	133	5466	BOTTLE SALINITY NOT DRAWN.
18	134	5474	BOTTLE SALINITY NOT DRAWN.
19	108	396	BOTTLE SALINITY NOT DRAWN.
19	109	496	BOTTLE SALINITY NOT DRAWN.
19	110	597	BOTTLE SALINITY NOT DRAWN.
19	111	697	BOTTLE SALINITY NOT DRAWN.
19	112	846	BOTTLE SALINITY NOT DRAWN.
19	114	1193	BOTTLE SALINITY NOT DRAWN.
19	116	1582	BOTTLE SALINITY NOT DRAWN.
19	118	1963	BOTTLE SALINITY NOT DRAWN.
19	127	4495	BOTTLE SALINITY NOT DRAWN.
19	129	5434	BOTTLE SALINITY NOT DRAWN.
19	130	5482	BOTTLE SALINITY NOT DRAWN.
19	131	5499	BOTTLE SALINITY NOT DRAWN.
19	132	5502	BOTTLE SALINITY NOT DRAWN.
19	133	5505	BOTTLE SALINITY NOT DRAWN.
19	134	5508	BOTTLE SALINITY NOT DRAWN.
19	135	5516	BOTTLE SALINITY NOT DRAWN.

TABULATION OF SALINITIES REPORTED FROM CTD DATA WITH SUPPORTING REMARKS.

**STATION SAMPLE DEPTH
NUMBER**

22	109	642	BOTTLE SALINITY NOT DRAWN.
22	110	644	BOTTLE SALINITY NOT DRAWN.
22	130	5332	BOTTLE SALINITY NOT DRAWN.
22	131	5341	BOTTLE SALINITY NOT DRAWN.
22	132	5352	BOTTLE SALINITY NOT DRAWN.
22	133	5371	BOTTLE SALINITY NOT DRAWN.
22	134	5382	BOTTLE SALINITY NOT DRAWN.
22	135	5386	BOTTLE SALINITY NOT DRAWN.
22	136	5395	BOTTLE SALINITY NOT DRAWN.
24	229	5705	BOTTLE SALINITY NOT DRAWN.
24	230	5750	BOTTLE SALINITY NOT DRAWN.
24	231	5772	BOTTLE SALINITY NOT DRAWN.
24	232	5783	BOTTLE SALINITY NOT DRAWN.
24	233	5794	BOTTLE SALINITY NOT DRAWN.
24	234	5806	BOTTLE SALINITY NOT DRAWN.
24	235	5817	BOTTLE SALINITY NOT DRAWN.
27	529	14	BOTTLE SALINITY NOT DRAWN.
27	528	17	BOTTLE SALINITY NOT DRAWN.
27	530	29	BOTTLE SALINITY NOT DRAWN.
27	531	39	BOTTLE SALINITY NOT DRAWN.
27	532	44	BOTTLE SALINITY NOT DRAWN.
27	533	49	BOTTLE SALINITY NOT DRAWN.
35	101	10	HIGH BOTTLE SALINITY VALUE DELETED.
35	109	500	BOTTLE SALINITY NOT DRAWN.
36	202	20	BOTTLE SALINITY NOT DRAWN.
36	228	4604	BOTTLE SALINITY NOT DRAWN.
36	230	4707	BOTTLE SALINITY NOT DRAWN.
37	228	10	BOTTLE SALINITY NOT DRAWN.
37	229	14	BOTTLE SALINITY NOT DRAWN.
37	230	22	BOTTLE SALINITY NOT DRAWN.
37	231	25	BOTTLE SALINITY NOT DRAWN.
37	232	28	BOTTLE SALINITY NOT DRAWN.
37	151	102	LOW BOTTLE SALINITY VALUE DELETED.
38	222	3751	BOTTLE SALINITY NOT ANALYZED BECAUSE OF LACK OF WATER.
38	230	5620	BOTTLE SALINITY NOT DRAWN.
38	231	5636	BOTTLE SALINITY NOT DRAWN.
38	232	5651	BOTTLE SALINITY NOT DRAWN.
38	233	5666	BOTTLE SALINITY NOT DRAWN.
38	234	5680	BOTTLE SALINITY NOT DRAWN.
38	235	5696	BOTTLE SALINITY NOT DRAWN.
39	209	646	BOTTLE SALINITY NOT DRAWN.
39	210	745	LOW BOTTLE SALINITY VALUE DELETED.
39	222	3548	HIGH BOTTLE SALINITY VALUE DELETED.
40	220	2433	BOTTLE SALINITY VALUE LOST DURING PROCESSING.
42	136	5294	BOTTLE SALINITY VALUE LOST DURING PROCESSING.
42	135	5421	BOTTLE SALINITY NOT DRAWN.
42	134	5471	BOTTLE SALINITY NOT DRAWN.
42	133	5510	BOTTLE SALINITY NOT DRAWN.
42	132	5531	BOTTLE SALINITY NOT DRAWN.
42	131	5539	BOTTLE SALINITY NOT DRAWN.
42	130	5546	BOTTLE SALINITY NOT DRAWN.
42	129	5551	BOTTLE SALINITY NOT DRAWN.
42	128	5555	BOTTLE SALINITY NOT DRAWN.
42	127	5560	BOTTLE SALINITY NOT DRAWN.
42	124	5576	BOTTLE SALINITY NOT DRAWN; BOTTLE DID NOT TRIP.
43	424	5332	BOTTLE SALINITY NOT DRAWN; BOTTLE DID NOT TRIP.
44	124	3572	BOTTLE SALINITY NOT DRAWN, BOTTLE DID NOT TRIP.
47	132	1174	BOTTLE SALINITY DRAWING ERROR.
47	128	1343	BOTTLE SALINITY DRAWING ERROR.

TABULATION OF SALINITIES REPORTED FROM CTD DATA WITH SUPPORTING REMARKS.
STATION SAMPLE DEPTH
NUMBER

49	136	5221	BOTTLE SALINITY NOT DRAWN.
49	135	5273	BOTTLE SALINITY NOT DRAWN.
49	134	5325	BOTTLE SALINITY NOT DRAWN.
49	133	5375	BOTTLE SALINITY NOT DRAWN.
49	132	5415	BOTTLE SALINITY NOT DRAWN.
49	131	5436	BOTTLE SALINITY NOT DRAWN.
49	129	5453	BOTTLE SALINITY NOT DRAWN.
49	128	5461	BOTTLE SALINITY NOT DRAWN.
49	127	5479	BOTTLE SALINITY NOT DRAWN.
49	126	5483	BOTTLE SALINITY NOT DRAWN.
52	234	5014	BOTTLE SALINITY NOT DRAWN.
52	233	5054	BOTTLE SALINITY NOT DRAWN.
52	232	5093	BOTTLE SALINITY NOT DRAWN.
52	231	5133	BOTTLE SALINITY NOT DRAWN.
52	229	5202	BOTTLE SALINITY NOT DRAWN.
52	228	5231	BOTTLE SALINITY NOT DRAWN.
52	227	5250	BOTTLE SALINITY NOT DRAWN.
59	156	871	BOTTLE SALINITY DRAWING ERROR.
60	159	1325	BOTTLE SALINITY DRAWING ERROR.
66	123	5196	BOTTLE SALINITY NOT DRAWN.
66	122	5223	BOTTLE SALINITY NOT DRAWN.
66	121	5249	BOTTLE SALINITY NOT DRAWN.
66	120	5279	BOTTLE SALINITY NOT DRAWN.
66	119	5313	BOTTLE SALINITY NOT DRAWN.
66	118	5345	BOTTLE SALINITY NOT DRAWN.
66	117	5367	BOTTLE SALINITY NOT DRAWN.
66	116	5388	BOTTLE SALINITY NOT DRAWN.
66	115	5410	BOTTLE SALINITY NOT DRAWN.
68	235	5255	BOTTLE SALINITY NOT DRAWN.
68	234	5284	BOTTLE SALINITY NOT DRAWN.
68	233	5316	BOTTLE SALINITY NOT DRAWN.
68	232	5337	BOTTLE SALINITY NOT DRAWN.
68	231	5358	BOTTLE SALINITY NOT DRAWN.
68	230	5379	BOTTLE SALINITY NOT DRAWN.
68	229	5400	BOTTLE SALINITY NOT DRAWN.
68	228	5412	BOTTLE SALINITY NOT DRAWN.
68	227	5417	BOTTLE SALINITY NOT DRAWN.
68	226	5418	BOTTLE SALINITY NOT DRAWN.
71	235	5130	BOTTLE SALINITY NOT DRAWN.
71	234	5158	BOTTLE SALINITY NOT DRAWN.
71	233	5189	BOTTLE SALINITY NOT DRAWN.
71	232	5209	BOTTLE SALINITY NOT DRAWN.
71	231	5228	BOTTLE SALINITY NOT DRAWN.
71	230	5247	BOTTLE SALINITY NOT DRAWN.
71	229	5266	BOTTLE SALINITY NOT DRAWN.
71	228	5275	BOTTLE SALINITY NOT DRAWN.
71	227	5285	BOTTLE SALINITY NOT DRAWN.
71	226	5293	BOTTLE SALINITY NOT DRAWN.
72	117	1997	LOW BOTTLE SALINITY VALUE DELETED.
74	102	302	BOTTLE SALINITY NOT DRAWN.
74	103	497	BOTTLE SALINITY NOT DRAWN.
74	104	792	BOTTLE SALINITY NOT DRAWN.
74	105	992	BOTTLE SALINITY NOT DRAWN.
74	106	1092	BOTTLE SALINITY NOT DRAWN.
74	107	1192	BOTTLE SALINITY NOT DRAWN.
74	108	1292	BOTTLE SALINITY NOT DRAWN.
74	109	1392	BOTTLE SALINITY NOT DRAWN.
74	110	1493	BOTTLE SALINITY NOT DRAWN.
74	111	1591	BOTTLE SALINITY NOT DRAWN.
74	112	1792	BOTTLE SALINITY NOT DRAWN.
74	113	1990	BOTTLE SALINITY NOT DRAWN.
74	120	2957	BOTTLE SALINITY NOT DRAWN.
74	121	3456	BOTTLE SALINITY NOT DRAWN.
74	122	3961	BOTTLE SALINITY NOT DRAWN.
74	123	4462	BOTTLE SALINITY NOT DRAWN.
74	124	4915	BOTTLE SALINITY NOT DRAWN.

TABULATION OF SALINITIES REPORTED FROM CTD DATA WITH SUPPORTING REMARKS.

STATION SAMPLE DEPTH
NUMBER

76	119	2499	HIGH BOTTLE SALINITY VALUE DELETED, POSSIBLE DRAWING ERROR.
76	135	4441	BOTTLE SALINITY NOT DRAWN.
76	134	4471	BOTTLE SALINITY NOT DRAWN.
76	133	4492	BOTTLE SALINITY NOT DRAWN.
76	132	4522	BOTTLE SALINITY NOT DRAWN.
76	131	4552	BOTTLE SALINITY NOT DRAWN.
76	130	4572	BOTTLE SALINITY NOT DRAWN.
76	129	4591	BOTTLE SALINITY NOT DRAWN.
76	128	4611	BOTTLE SALINITY NOT DRAWN.
76	127	4620	BOTTLE SALINITY NOT DRAWN.
76	126	4620	BOTTLE SALINITY NOT DRAWN.
80	235	4027	BOTTLE SALINITY NOT DRAWN.
80	234	4065	BOTTLE SALINITY NOT DRAWN.
80	233	4104	BOTTLE SALINITY NOT DRAWN.
80	232	4143	BOTTLE SALINITY NOT DRAWN.
80	230	4192	BOTTLE SALINITY NOT DRAWN.
80	229	4217	BOTTLE SALINITY NOT DRAWN.
80	228	4232	BOTTLE SALINITY NOT DRAWN.
80	227	4251	BOTTLE SALINITY NOT DRAWN.
80	226	4272	BOTTLE SALINITY NOT DRAWN.
83	135	4767	BOTTLE SALINITY NOT DRAWN.
83	134	4798	BOTTLE SALINITY NOT DRAWN.
83	133	4802	BOTTLE SALINITY NOT DRAWN.
83	132	4806	BOTTLE SALINITY NOT DRAWN.
83	131	4810	BOTTLE SALINITY NOT DRAWN.
83	130	4814	BOTTLE SALINITY NOT DRAWN.
83	129	4818	BOTTLE SALINITY NOT DRAWN.
83	128	4825	BOTTLE SALINITY NOT DRAWN.
83	127	4834	BOTTLE SALINITY NOT DRAWN.
83	126	4840	BOTTLE SALINITY NOT DRAWN.
91	118	1099	BOTTLE SALINITY DRAWING ERROR.
91	123	1598	LOW BOTTLE SALINITY VALUE DELETED.
96	135	5239	BOTTLE SALINITY NOT DRAWN.
96	134	5278	BOTTLE SALINITY NOT DRAWN.
96	133	5291	BOTTLE SALINITY NOT DRAWN.
96	132	5310	BOTTLE SALINITY NOT DRAWN.
96	131	5320	BOTTLE SALINITY NOT DRAWN.
96	130	5329	BOTTLE SALINITY NOT DRAWN.
96	129	5337	BOTTLE SALINITY NOT DRAWN.
96	128	5339	BOTTLE SALINITY NOT DRAWN.
96	127	5342	BOTTLE SALINITY NOT DRAWN.
96	126	5350	BOTTLE SALINITY NOT DRAWN.
97	112	1277	BOTTLE SALINITY LOST DURING ANALYSIS.
99	235	5167	BOTTLE SALINITY NOT DRAWN.
99	234	5212	BOTTLE SALINITY NOT DRAWN.
99	233	5246	BOTTLE SALINITY NOT DRAWN.
99	232	5260	BOTTLE SALINITY NOT DRAWN.
99	231	5268	BOTTLE SALINITY NOT DRAWN.
99	230	5273	BOTTLE SALINITY NOT DRAWN.
99	229	5279	BOTTLE SALINITY NOT DRAWN.
99	228	5286	BOTTLE SALINITY NOT DRAWN.
99	227	5289	BOTTLE SALINITY NOT DRAWN.
99	226	5294	BOTTLE SALINITY NOT DRAWN.
107	135	5055	BOTTLE SALINITY NOT DRAWN.
107	134	5083	BOTTLE SALINITY NOT DRAWN.
107	133	5112	BOTTLE SALINITY NOT DRAWN.
107	132	5122	BOTTLE SALINITY NOT DRAWN.
107	131	5130	BOTTLE SALINITY NOT DRAWN.
107	130	5140	BOTTLE SALINITY NOT DRAWN.
107	129	5143	BOTTLE SALINITY NOT DRAWN.
107	128	5148	BOTTLE SALINITY NOT DRAWN.
107	127	5156	BOTTLE SALINITY NOT DRAWN.
107	126	5166	BOTTLE SALINITY NOT DRAWN.
108	105	606	LOW BOTTLE SALINITY VALUE DELETED.
108	110	1205	LOW BOTTLE SALINITY VALUE DELETED.

TABULATION OF SALINITIES REPORTED FROM CTD DATA WITH SUPPORTING REMARKS.

STATION SAMPLE DEPTH
NUMBER

09	236	4699	BOTTLE SALINITY VALUE LOST DURING PROCESSING.
09	235	4746	BOTTLE SALINITY NOT DRAWN.
109	234	4764	BOTTLE SALINITY NOT DRAWN.
109	233	4807	BOTTLE SALINITY NOT DRAWN.
109	232	4839	BOTTLE SALINITY NOT DRAWN.
109	231	4852	BOTTLE SALINITY NOT DRAWN.
109	230	4861	BOTTLE SALINITY NOT DRAWN.
109	229	4870	BOTTLE SALINITY NOT DRAWN.
109	228	4883	BOTTLE SALINITY NOT DRAWN.
109	227	4884	BOTTLE SALINITY NOT DRAWN.
109	226	4888	BOTTLE SALINITY NOT DRAWN.
115	226	4676	BOTTLE SALINITY NOT DRAWN.
115	235	4676	BOTTLE SALINITY NOT DRAWN.
115	234	4676	BOTTLE SALINITY NOT DRAWN.
115	233	4676	BOTTLE SALINITY NOT DRAWN.
115	232	4676	BOTTLE SALINITY NOT DRAWN.
115	231	4676	BOTTLE SALINITY NOT DRAWN.
115	230	4676	BOTTLE SALINITY NOT DRAWN.
115	229	4676	BOTTLE SALINITY NOT DRAWN.
115	236	4677	BOTTLE SALINITY NOT DRAWN.
115	223	4803	BOTTLE SALINITY NOT DRAWN.
117	226	4598	BOTTLE SALINITY NOT DRAWN.
117	227	4647	BOTTLE SALINITY NOT DRAWN.
117	229	4731	BOTTLE SALINITY NOT DRAWN.
117	230	4753	BOTTLE SALINITY NOT DRAWN.
117	231	4769	BOTTLE SALINITY NOT DRAWN.
117	232	4777	BOTTLE SALINITY NOT DRAWN.
117	233	4790	BOTTLE SALINITY NOT DRAWN.
117	235	4812	BOTTLE SALINITY NOT DRAWN.
117	236	4823	BOTTLE SALINITY NOT DRAWN.
125	108	455	BOTTLE SALINITY NOT DRAWN.
128	217	655	BOTTLE SALINITY NOT DRAWN.
138	114	93	BOTTLE SALINITY NOT DRAWN.
141	215	1015	BOTTLE SALINITY DRAWING ERROR.
143	419	1797	BOTTLE SALINITY NOT ANALYZED BECAUSE OF LACK OF WATER.
144	214	3696	BOTTLE SALINITY NOT DRAWN.
144	212	3697	BOTTLE SALINITY NOT DRAWN.
144	210	3697	BOTTLE SALINITY NOT DRAWN.
145	223	3218	BOTTLE SALINITY NOT DRAWN.
145	224	3219	BOTTLE SALINITY NOT DRAWN.
148	224	3686	BOTTLE SALINITY NOT DRAWN.
149	222	3197	BOTTLE SALINITY NOT DRAWN.
150	206	2	BOTTLE SALINITY NOT DRAWN.
150	205	2	BOTTLE SALINITY NOT DRAWN.
150	208	4	BOTTLE SALINITY NOT DRAWN.
150	209	4	BOTTLE SALINITY NOT DRAWN.
150	211	6	BOTTLE SALINITY NOT DRAWN.
150	212	6	BOTTLE SALINITY NOT DRAWN.
150	213	8	BOTTLE SALINITY NOT DRAWN.
150	214	8	BOTTLE SALINITY NOT DRAWN.
150	215	8	BOTTLE SALINITY NOT DRAWN.
150	218	12	BOTTLE SALINITY NOT DRAWN.
150	216	12	BOTTLE SALINITY NOT DRAWN.
150	217	12	BOTTLE SALINITY NOT DRAWN.
150	220	18	BOTTLE SALINITY NOT DRAWN.
150	221	18	BOTTLE SALINITY NOT DRAWN.
150	224	26	BOTTLE SALINITY NOT DRAWN.
151	119	2149	BOTTLE SALINITY NOT DRAWN.
151	124	2978	BOTTLE SALINITY NOT DRAWN.
155	109	41	BOTTLE SALINITY LOST DURING PROCESSING.

TABULATION OF SALINITIES REPORTED FROM CTD DATA WITH SUPPORTING REMARKS.
STATION SAMPLE DEPTH
NUMBER

60	124	2326	BOTTLE SALINITY NOT DRAWN.
168	102	10	BOTTLE SALINITY NOT DRAWN.
174	103	102	BOTTLE SALINITY NOT DRAWN.
174	107	499	BOTTLE SALINITY NOT DRAWN.
174	111	1095	BOTTLE SALINITY NOT DRAWN.
174	113	1212	BOTTLE SALINITY DELETED, BOTTLE LEAKED.
174	115	1294	BOTTLE SALINITY NOT DRAWN.
174	119	2107	BOTTLE SALINITY NOT DRAWN.
194	116	1998	BOTTLE SALINITY DRAWING ERROR.
204	113	1197	BOTTLE SALINITY BAD.
209	119	3514	LOW BOTTLE SALINITY VALUE DELETED.
210	107	592	BOTTLE SALINITY BAD.
215	213	2088	LOW BOTTLE SALINITY VALUE DELETED.
221	102	10	BOTTLE SALINITY NOT DRAWN.
221	105	35	BOTTLE SALINITY NOT DRAWN.
221	108	49	BOTTLE SALINITY NOT DRAWN.
221	111	64	BOTTLE SALINITY NOT DRAWN.
221	114	82	BOTTLE SALINITY NOT DRAWN.
221	117	97	BOTTLE SALINITY NOT DRAWN.
221	120	116	BOTTLE SALINITY NOT DRAWN.
221	123	131	BOTTLE SALINITY NOT DRAWN.
227	221	4200	BOTTLE SALINITY NOT DRAWN.
228	303	150	BOTTLE SALINITY VALUE LOST DURING PROCESSING.
229	302	53	BOTTLE SALINITY NOT DRAWN.
229	303	150	BOTTLE SALINITY NOT DRAWN.
229	317	2742	BOTTLE SALINITY NOT DRAWN.
230	317	1577	BOTTLE SALINITY DELETED, LANYARD PROBLEM.
231	208	923	BOTTLE SALINITY NOT DRAWN.
232	302	835	BOTTLE SALINITY NOT DRAWN.
232	303	835	BOTTLE SALINITY NOT DRAWN.
232	305	875	BOTTLE SALINITY NOT DRAWN.
232	306	876	BOTTLE SALINITY NOT DRAWN.
232	308	933	BOTTLE SALINITY NOT DRAWN.
232	309	933	BOTTLE SALINITY NOT DRAWN.
232	312	972	BOTTLE SALINITY NOT DRAWN.
232	311	974	BOTTLE SALINITY NOT DRAWN.
232	314	1008	BOTTLE SALINITY NOT DRAWN.
232	315	1010	BOTTLE SALINITY NOT DRAWN.
232	318	1055	BOTTLE SALINITY NOT DRAWN.
232	317	1056	BOTTLE SALINITY NOT DRAWN.
232	321	1073	BOTTLE SALINITY NOT DRAWN.
232	320	1073	BOTTLE SALINITY NOT DRAWN.
232	323	1077	BOTTLE SALINITY NOT DRAWN.
232	324	1077	BOTTLE SALINITY NOT DRAWN.
233	108	604	HIGH BOTTLE SALINITY VALUE DELETED.
233	115	1378	HIGH BOTTLE SALINITY VALUE DELETED, POSSIBLE DRAWING ERROR.
236	322	5593	BOTTLE SALINITY NOT DRAWN.
237	324	5541	BOTTLE SALINITY NOT DRAWN.
238	102	3700	BOTTLE SALINITY NOT DRAWN.
238	104	3983	BOTTLE SALINITY NOT DRAWN.
238	106	4115	BOTTLE SALINITY NOT DRAWN.
238	108	4212	BOTTLE SALINITY NOT DRAWN.
238	110	4325	BOTTLE SALINITY NOT DRAWN.
238	112	4455	BOTTLE SALINITY NOT DRAWN.
238	114	4575	BOTTLE SALINITY NOT DRAWN.
238	116	4593	BOTTLE SALINITY NOT DRAWN.
238	118	4611	BOTTLE SALINITY NOT DRAWN.
238	120	4632	BOTTLE SALINITY NOT DRAWN.
238	122	4654	BOTTLE SALINITY NOT DRAWN.
238	124	4668	BOTTLE SALINITY NOT DRAWN.

TABULATION OF SALINITIES REPORTED FROM CTD DATA WITH SUPPORTING REMARKS.
 STATION SAMPLE DEPTH
 . NUMBER

241	202	62	BOTTLE SALINITY NOT DRAWN.
241	210	1586	BOTTLE SALINITY NOT DRAWN.
242	121	4475	BOTTLE SALINITY NOT DRAWN.
243	220	4306	SALINITY BOTTLE LEAKED BECAUSE OF BAD WASHER; SUSPECT SALINITY SAMPLE CONTAMINATION.
244	110	1796	BOTTLE SALINITY NOT DRAWN.
247	110	1594	BOTTLE SALINITY BAD.
248	103	68	BOTTLE SALINITY NOT DRAWN.

QUESTIONABLE DATA AS DETERMINED BY PACODF

**STATION SAMPLE DEPTH
NUMBER**

6	348	1395	OXYGEN LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
11	393	1238	POOR SALINITY AGREEMENT BETWEEN GERARD AND NISKIN PIGGYBACK SUSPECT GERARD SALINITY.
15	210	734	OXYGEN SLIGHTLY HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
15	448	4221	OXYGEN LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
15	449	4465	SILICATE LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
16	232	4615	SILICATE LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
32	215	1870	PHOSPHATE AND SILICATE HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
32	219	2950	PHOSPHATE AND SILICATE HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
32	344	4004	NUTRIENTS LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
36	143	4665	OXYGEN LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
39	210	745	CTD INDICATES THE BOTTLE MAY HAVE TRIPPED DEEPER IN THE WATER COLUMN. SALINITY REPORTED IS EXTRACTED FROM CTD RECORDS AND ALL WATER SAMPLES ARE CONSIDERED QUESTIONABLE.
40	193	5649	POOR SALINITY AGREEMENT BETWEEN GERARD AND NISKIN PIGGYBACK SUSPECT GERARD SALINITY.
68	206	478	SUSPECT THIS BOTTLE MAY HAVE CLOSED DEEPER IN THE WATER COLUMN, BUT SUSPICION NOT PROVEN. ALL SAMPLES QUESTIONABLE.
80	341	205	OXYGEN LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
80	348	2023	OXYGEN HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
115	189	2998	POOR SALINITY AGREEMENT BETWEEN GERARD AND NISKIN PIGGYBACK SUSPECT GERARD SALINITY.
127	220	1281	OXYGEN HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
144	208	1229	OXYGEN LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
156	243	299	POOR SALINITY AGREEMENT BETWEEN GERARD AND NISKIN PIGGYBACK SUSPECT NISKIN SALINITY.
175	119	2262	NITRATE LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
175	120	2359	NITRATE LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
175	121	2489	NITRATE LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
175	122	2588	NITRATE LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.

QUESTIONABLE DATA AS DETERMINED BY PACODF

STATION SAMPLE DEPTH
NUMBER

179	112	1186	NITRATE HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
179	113	1304	NITRATE HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
179	248	2882	NITRATE HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
189	246	2821	OXYGEN LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
193	446	898	OXYGEN LOW AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
197	287	12	POOR SALINITY AGREEMENT BETWEEN GERARD AND NISKIN PIGGYBACK SAMPLE TAKEN AT SURFACE WITHOUT FLUSHING SUSPECT GERARD SALINITY.
198	112	222	PHOSPHATE HIGH AS COMPARED WITH STATION PROFILE, THERE WERE SOME ANALYTICAL DIFFICULTIES, BUT NOT CERTAIN THIS IS THE CAUSE FOR THE HIGH VALUE.
205	343	2750	OXYGEN HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
206	118	2695	NITRATE HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
208	122	3819	OXYGEN HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, STANDARD QUESTIONABLE, BUT NOT A REASON FOR DELETION.
228	488	2051	POOR SALINITY AGREEMENT BETWEEN GERARD AND NISKIN PIGGYBACK SUSPECT GERARD SALINITY.
230	147	3999	OXYGEN HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, COULD NOT FIND ANY ANALYTICAL REASON FOR DELETION.
247	109	1393	OXYGEN HIGH AS COMPARED WITH STATION PROFILE; HOWEVER, SUSPECT POSSIBLY OVER TITRATION, BUT SUSPICION CAN NOT BE PROVEN.

***** Record 13347 in INVENTORY *****

015648

DATA ENTRY INFORMATION SYSTEM
(DATASET INVENTORY)

FJM

DATE OF ENTRY: 01/15/87

REFERENCE NUMBER: 318657

ACCESSION NUMBER: 8600270

FORMER REFERENCE NUMBER: _____

FORMER ACCESSION NUMBER: _____

(RESUB ONLY)

INVENTORY

MEDIA-IN: 01 - Digital Magnetic Tape DINDB CODE 09

EXCHANGE (FORMAT): E003 - Ocean Station Data (SD2-112 Byte)

PROCESSING (FORMAT): C100 - Ocean Station Data (SD2 Format)

* NOTE * If data is F022, create an additional record for C022.

INSTITUTE (COUNTRY AND INSTITUTE CODES): 3101

PLATFORM (COUNTRY AND PLATFORM CODES): 316N

PLATFORM TYPE: 9 - Ship DINDB CODE 09

ORIGINATORS FILE ID: _____ ORIGINATORS CRUISE ID: 77

CRUISE START DATE: 04/02/81 CRUISE END DATE: 10/17/81

PROJECT CODE: 0172

DATA USE CODE (DUC): 3

Press PgDn
to continue

VOLUME - NUMBER OF STATIONS: 247 NUMBER OF RECORDS: 9,304

If STA/REC counts are not appropriate then enter -

NUMBER: _____ UNITS: _____

AVERAGE REC SIZE: 112 MBYTES: 1.042048

OCEAN AREA

CODE 1: 5 MEANING: Greenland Sea

CODE 2: 6 MEANING: Norwegian Sea

CODE 3: _____ MEANING: _____

DINDB TRACK TRANSACTION GENERATED: / /

ADP FACILITIES REQUEST FORM

USER NAME MARY R. Lewis	PHONE # 6735636	ORG/TASK # EG-12008N3839	DATE SUBMITTED 9/18/86	DATE DUE ASAP	BIN #
EQUIPMENT TO BE USED AND FUNCTION TO BE PERFORMED Tape Scan and Copy					

INPUT MEDIUM PAPER CARD DISK <u>TAPE</u> DISKETTE OTHER(SPECIFY)	OUTPUT MEDIUM CARD DISK <u>PRINT</u> <u>TAPE</u> PLOT DISKETTE OTHER(SPECIFY)
--	---

TAPE/DISKETTE INFORMATION

	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
INPUT	A00294		9	1600	ODD	NL	FB	80	3200	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
OUTPUT	W04193		9	1600	ODD	SL	FB	80	3200	1
	SECTOR SIZE	EXCHANGE TYPE	CODE: <u>ASCII</u> EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE
	TAPE #/ DISKETTE	SLOT #	TRK	DENSITY	PARITY	LABEL TYPE	RECORD TYPE	RECORD LENGTH	MAX. BLOCK SIZE	# OF FILES
	SECTOR SIZE	EXCHANGE TYPE	CODE: ASCII EBCDIC BCD SDF OTHER(SPECIFY)				DATA SET NAME			PURGE DATE

SPECIAL INSTRUCTIONS

Send 'W' tape to Asheville

ESTIMATED
EXECUTION
TIME

D731 USE ONLY

JOB #	DATE JOB COMPLETED	START TIME	END TIME	PRIORITY	DEVICES USED, NUMBER OF TAPE MOUNTS, LINES PRINTED DISKETTES USED, CARDS PUNCHED, CARDS KEYVERIFIED
<i>56141403</i>	<i>10/14/86</i>	<i>09:50</i>	<i>10:00</i>	<i>C</i>	<i>Completed by Andy</i>

COMMENTS

Password:

accNo	fleA	refNo	proj	inst	ship	startDate	cruise	catId
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8600270	C100	318657	0172	3101	316N	1981/04/02	89	165171

(1 row affected)

Password:

accNo	fileA	refNo	ship	staCnt	recCnt	startDate	endDate
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8600270	C100	318657	316N	247	393	81/04/02	81/10/17

(1 row affected)