TECHNICAL REPORT

RESULTS OF THE PERSIAN GULF—ARABIAN SEA OCEANOGRAPHIC SURVEYS 1960-61

Ocean Surveys Division

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A B S T R A C T

Oceanographic surveys from aboard USS REQUISITE were conducted in the upper Persian Gulf during February and March 1960 and in the lower Persian Gulf, the Strait of Hormuz, the Gulf of Oman, and the Arabian Sea during January through March 1961.

Two hundred and sixty-one oceanographic stations were occupied. In addition, 1280 BT's, 110 bottom sediment samples, and 22 current measurements were obtained.

Temperature and salinity profiles, temperature-salinity curves, and current direction and speeds are presented and discussed; bottom sediment analysis sheets are included.

FOREWORD

This technical report presents the results of oceanographic observations taken in the Persian Gulf and the Arabian Sea during two USS REQUISITE Surveys in 1960 and 1961.

The results of these cruises include a wealth of environmental data that should benefit the entire oceanographic community in its study of the Indian Ocean.

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I. INTRODUCTION

During the winters of 1960 and 1961, U. S. Naval Oceanographic Office personnel aboard USS REQUISITE (AGS-18) participated in two cruises: (1) upper Persian Gulf (in general, that portion of the gulf west of 52° East longitude), (2) lower Persian Gulf, the Strait of Hormuz, the Gulf of Oman, and the Arabian Sea.

Ship's tracks and station locations are shown on Figures 1, 2, and 3, and oceanographic operations are summarized on Table 1.

II. SURVEY TECHNIQUES

Water temperatures were measured with Nansen bottles equipped with paired thermometers and with bathythermographs.

Water samples for salinity determination were collected from the Nansen bottles, sealed in rubber gasket citrate bottles, and shipped to NAVOCEANO for analyses.

Current was measured with Roberts Radio Current Meter; bottom sediment samples include Phleger cores, Orange Peel grabs, and dredged material.

In the Persian Gulf and the Strait of Hormuz, and in shallow areas along the coast of Pakistan and India, Nansen bottle casts used protected thermometers only. At deeper Arabian Sea stations, two bottles of the first cast and as many as five bottles of the second cast, had protected thermometers paired with unprotected thermometers.

Time series oceanographic station measurements were made at numerous locations in the Persian Gulf and the Strait of Hormuz while the ship anchored for current observations.

At 7 locations during the 1960 cruise and at 15 locations during the 1961 cruise, oceanographers measured currents. Usually, currents were measured at 4 meters (just below the ship's keel), at mid-depth, and at the bottom. During the observations, the ship bow anchored, and the current measurements were made directly from the ship. The meter was lowered by winch from the ship and connected to the recorder by conductor cable. Measurement periods ranged from 30 seconds for a satisfactory signal to 5 or 6 minutes for erratic recordings; current stations were occupied from 24 to 72 hours. Speed and direction signals were recorded on a Chronograph 2-pen recorder during the first survey, and on an Esterline-Angus Recorder during the 1961 cruise.

FIGURE 1. UPPER PERSIAN GULF, STATION LOCATIONS AND SHIP'S TRACK, CRUISE 00658, USS REQUISITE, FEB-MAR 1960

TABLE 1. SUMMARY OF OCEANOGRAPHIC OBSERVATIONS
USS REQUISITE CRUISES 00658 AND 00865

NODC Ref. No.	Date	Location	Ocean. Stations	BT's	Current Stations	Bottom Sed.	Personnel
00658	16 Feb - 5 Mar 1960	Upper Persian Gulf	55	318	7	18	W. Hammond R. Michel
00865	4 Jan - 31 Mar 1961	Lower Persian Gulf Strait of Hormuz Gulf of Oman Arabian Sea	206	962	15	92	J. Rohrhirsch D. Smith

Orange Peel and dredge bottom samples stored in sample jars, and Phleger cores capped and sealed, were shipped to NAVOCEANO for analyses.

III. DATA ANALYSIS

Thermometer data were field corrected and rechecked at NAVOCEANO. Paired protected thermometers were averaged except where an error obviously existed. A summary of paired protected thermometer readings is presented as Table 2.

TABLE 2. SUMMARY OF PAIRED PROTECTED REVERSING THERMOMETERS
CRUISE 00658

Total No. Pairs Used During Cruise	DIFFERENCE °C BETWEEN PAIRED THERMOMETERS ACCEPTED AND AVERAGED								One of Pair Not Accepted
	.00	.01	.02	.03	.04	.05	.06	>.06	
248	45	77	44	25	9	10	8	22	8

CRUISE 00865

Total No. Pairs Used During Cruise	DIFFERENCE °C BETWEEN PAIRED THERMOMETERS ACCEPTED AND AVERAGED								One of Pair Not Accepted
	.00	.01	.02	.03	.04	.05	.06	>.06	
1311	128	214	181	156	139	106	56	82	249

Wire length determined accepted depths at most shallow stations (100 meters or less); however, on the deep casts in the Arabian Sea, as many as five Nansen bottles with an unprotected thermometer paired with a protected thermometer measured thermometric depths for use in determining accepted depths.

Salinity samples returned to NAVOCEANO were analyzed on a University of Washington Conductivity Salinometer. Samples collected in 350 ml. citrate bottles received duplicate analysis, but samples collected in 150 ml. citrate bottles contained only enough water for a single analysis. For duplicate analysis the cell readings within .20 ohms were averaged, otherwise, a third sample was analyzed. Table 3 lists the cruise, the number of water samples, type analysis (single or duplicate), and reruns.

TABLE 3. SALINITY SAMPLE DATA

Cruise	Station No.	No. Water Samples	Duplicate Samples Analyzed	Sample ReRun	Sample Analyzed One Time
00658	1-55	248	248	0	0
00865	1-126	580	580	19	0
00865	127-206	929	0	0	929

Surface and subsurface oceanographic station data were coded and forwarded to the National Oceanographic Data Center (NODC) for machine processing of standard depths, density (σ_t), dynamic heights from the surface, and sound velocities¹. For oceanographic station data see appendix A.

Office personnel hand scaled the current tapes, and computed the average of the speed and direction for each observation period. They then plotted the values on a time line as an arrow with current speed indicated by the length of the arrow and current direction indicated by the angle of the arrow with vertical. (0°N, 90°E, 180°S, 270°W clockwise). Currents for each meter depth and the tide curve for the observation period are presented with a current station location chart in appendix B.

Bottom sediments shipped to NAVOCEANO and analyzed for sediment type and size are given in appendix C.

NODC received bathythermograph slides for processing and filing.

¹ WILSON, W. D., Equation for the speed of sound in sea water, Journal of the Acoustical Society of America, vol. 32, no. 10, pp. 1357, Oct. 1960.

IV. DISCUSSION OF TEMPERATURE AND SALINITY DATA

A. Upper Persian Gulf

Data were collected in the upper Persian Gulf during the February and March 1960 survey (Fig. 1). Surface temperatures decreased to the north, whereas surface salinities increased to the north to approximately 29° North Latitude. In this region water from the rivers entering the Gulf slightly affected the salinity. At all stations, water samples had extremely high salinities (38.96‰ to 41.56‰); 82 percent of the 248 samples analyzed had salinities greater than 40.00‰. Profiles of selected stations in the upper Persian Gulf (Figs. 4 and 5) show the general temperature and salinity distribution; Table 4 shows the maximum and minimum temperatures and salinities of time serial observations.

B. Lower Persian Gulf, Strait of Hormuz, and Gulf of Oman

During January and February 1961, data collected gave higher surface temperatures and lower surface salinities in the Strait of Hormuz and the upper Gulf of Oman than in the Persian Gulf; in general, temperatures and salinities increased with depth. Temperature and salinity profiles along selected stations in the area (Figs. 6 and 7) show the distribution of these physical properties, and Tables 5 and 6 show the maximum and minimum temperature and salinity at the surface and bottom for time serial observations.

Temperature and salinity data taken at Station 26 Cruise 00658 and Station 3 Cruise 00865 (Figs. 1 and 2), Latitude 27°16'N and Longitude 51°56'E on 23 February 1960 and 27 January 1961, are compared. Figure 8 shows the temperature and salinity graphs for the two observations. Temperatures at all depths varied by less than .2°C, and salinities generally agreed except at the 30-meter level.

C. Gulf of Oman and the Arabian Sea

During February and March 1961, 62 oceanographic stations were obtained in the Gulf of Oman and the Arabian Sea (Fig. 3).

Temperature-Salinity curves for representative stations in the Gulf of Oman and the Arabian Sea (Figs. 9, 11, and 19) show the influence of the Persian Gulf water between 150 and 300 meters. The most significant feature of the curves is the uniform water mass below 500 meters. Figure 9 also includes stations 42 and 43 (Fig. 2) taken in January as a part of the lower Persian Gulf and Strait of Hormuz survey.

A salinity profile from station 3 in the Gulf of Oman southeast to station 50 then to the Bay of Cambay (Fig. 12) shows the influence of the high salinity Persian Gulf water between 150 and 300 meters as well as the low salinity Bay of Cambay water penetrating the Arabian Sea surface water.

Surface temperatures recorded in the Gulf of Oman and the Arabian Sea ranged between 23.77°C . in the northwest to 26.76°C . in the southeast, while surface water samples analyzed ranged in salinity between 34.90‰ in the Bay of Cambay to 36.58‰ in the Gulf of Oman.

The highest salinity (37.40‰) was found at 200 meters at station 3, and the lowest salinity (34.74‰) was found at 3500 meters at station 47.

Temperatures generally decreased from surface to bottom. The lowest temperatures (1.70°C .) were recorded at 3168 meters at station 39 and at 3500 meters at station 47.

FIGURE 4. TEMPERATURE PROFILES, UPPER PERSIAN GULF

FIGURE 5. SALINITY PROFILES, UPPER PERSIAN GULF

TABLE 4. MAXIMUM AND MINIMUM TEMPERATURES AND SALINITIES AT THREE LOCATIONS
IN UPPER PERSIAN GULF

PG Station	Consec. Station	Water Depth	Temp. °C				Salinity ‰			
			Surface		Bottom		Surface		Bottom	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
25	12-17	18m	22.00	21.03	21.53	20.78	39.49	39.01	39.56	39.09
1	27-40	16m	18.74	17.30	17.54	17.19	40.88	39.35	41.01	40.37
2	45-52	13m	17.91	-17.53	17.69	17.55	41.22	41.18	41.22	41.18

TABLE 5. MAXIMUM AND MINIMUM TEMPERATURES AND SALINITIES AT SEVEN LOCATIONS
IN LOWER PERSIAN GULF

PG Station	Consec. Station	Water Depth	Temp. °C				Salinity ‰			
			Surface		Bottom		Surface		Bottom	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
18	101-104	20m	22.01	21.52	21.56	21.50	41.94	41.38	42.08	41.87
7	106-108	68m	21.38	21.02	21.58	21.52	39.81	39.68	40.46	40.42
5	111-113	55m	22.22	21.57	23.02	22.96	38.56	38.44	40.26	40.22
9	118-119	29m	20.98	20.90	21.00	20.86	40.39	40.38	40.50	40.37
22	123-124	88m	22.04	21.98	23.08	23.08	38.32	38.17	40.34	40.34
20	127-129	35m	21.16	20.95	20.95	20.92	40.96	40.73	41.00	40.95
13	131-134	22m	21.18	20.98	21.16	21.00	38.74	38.59	38.77	38.74

FIGURE 6. TEMPERATURE PROFILES, LOWER PERSIAN GULF, STRAIT OF HORMUZ, AND GULF OF OMAN

FIGURE 7. SALINITY PROFILES, LOWER PERSIAN GULF, STRAIT OF HORMUZ, AND GULF OF OMAN

TABLE 6. MAXIMUM AND MINIMUM TEMPERATURES AND SALINITIES, STRAIT OF HORMUZ

PG Station	Consec. Station	Water Depth	Temp. °C				Salinity ‰			
			Surface		Bottom		Surface		Bottom	
			Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
33	1-9	18m	22.74	21.60	22.00	21.51	37.17	37.09	37.17	37.13
34	10-18	35m	23.37	22.54	22.92	22.32	37.07	36.94	37.07	36.96
40	21-44	55m	24.20	23.78	24.06	23.64	36.62	36.56	36.63	36.57
36	49-57	77m	23.66	23.07	24.96	24.69	36.68	36.57	39.72	38.64
44*	58-62	14m	21.45	20.44	20.81	20.40	37.14	37.03	37.12	37.07
29	63-71	51m	22.88	22.38	22.42	22.16	37.02	36.82	37.22	37.11
30	72-81	73m	22.96	22.39	24.13	23.90	37.39	37.21	39.92	39.45
45	82-89	15m	23.16	22.31	22.50	21.97	37.01	36.81	36.92	36.84
31	91-99	48m	23.00	22.74	23.67	23.40	37.41	37.33	39.34	38.47
35	142-144	57m	22.32	21.70	21.66	21.62	36.81	36.74	36.81	36.78

* Currents not taken

—+— T°C

21° 22°

△ S ‰ 39 .00 .20 .40 .60 .80 40 .00

FIGURE 8. TEMPERATURE AND SALINITY AT 27°16'N 51°56'E TAKEN ON FEBRUARY 1960 AND 27 JANUARY 1961

FIGURE 9. TEMPERATURE - SALINITY CURVES, GULF OF OMAN AND ARABIAN SEA

FIGURE 10. TEMPERATURE - SALINITY CURVES, GULF OF OMAN AND ARABIAN SEA

FIGURE 12. SALINITY PROFILE ACROSS GULF OF OMAN AND ARABIAN SEA

APPENDIX A

OCEANOGRAPHIC STATION DATA

(with various additional notes and tables for explanation)

CRUISE 00658

CRUISE 00865

(See Figures 1, 2, and 3 for station locations and ship's tracks)

EXPLANATION OF OCEANOGRAPHIC STATION DATA

A. General

Each of the items appearing on the data pages is explained below. The vertical arrows shown in some of the column headings indicate the location of decimal points. The presence of asterisks to the right of data indicates those data are doubtful; hence, they were not used in the construction of the curve from which interpolated values (standard depth values) were derived. Observed values obviously invalid were omitted.

B. Surface Observations

1. Consec. Sta. No. The stations are numbered in the chronological order in which they were occupied and are arranged consecutively in this report.

2. NODC Ref. No. This number is assigned by the National Oceanographic Data Center. It identifies the cruise and provides a means of sorting from the IBM files all cards pertaining to a particular cruise.

3. Station. Stations are numbered to designate a certain station location. This number is assigned prior to the beginning of the cruise and is the identifying station number appearing on the station location chart.

4. Date. Month, day, and year are given in Arabic numerals. The hour is Greenwich Mean Time and is that hour nearest to the messenger time of the first Nansen bottle cast.

5. Position. Latitude and longitude of the station are given in degrees and minutes; minutes rounded-off to the nearest whole number.

6. Sonic Depth Uncorrected. Sonic Depth is the uncorrected sounding for the station, recorded in meters.

7. Max. Sample Depth. The maximum depth from which a water sample was obtained at the station is given to the nearest 100 meters.

8. Wind. Wind speed is given in meters per second. Direction from which the wind blows is coded in degrees true to the nearest ten degrees. The last zero is omitted. North is 36 on the scale and calm is 0. See Table 1, Compass Direction Conversion Table for Wind, Sea, and Swell Directions.

9. Anemo. Hgt. The height of the anemometer above the waterline is given in meters.

10. Air Pressure. Barometric pressure of the air is coded in millibars, neglecting the 900 or 1000. Thus, 996 millibars is coded as 96 and 1008 millibars is coded as 08.

11. Air Temperature. Dry bulb and wet bulb temperatures are entered to the nearest tenth of a degree Celsius ($^{\circ}\text{C}$). A negative temperature is coded by dropping the minus sign and adding 50; thus -10° is coded as 60.

12. Humidity. The percent of humidity is coded directly, 100 percent being coded as 99.

13. Weather. Weather is coded as indicated in Table 2, Numerical Weather Codes - Present Weather.

14. Cloud. Cloud type and amount are coded as indicated in Tables 3, Cloud Type, and 4, Cloud Amount.

15. Sea. Sea direction and amount are coded as indicated in Tables 1 and 5, respectively.

16. Swell. Swell direction and amount are coded as indicated in Tables 1 and 6, respectively.

17. Vis. Visibility is coded as indicated in Table 7, Visibility.

18. Water. Water color is coded as indicated in Table 8, Water Color. Transparency is coded in whole meters from observations taken with a white Secchi disc (30 cm. dia.).

C. Subsurface Observations

1. Sample Depth. Observed (actual) depth of each sample is given in meters. Interpolated values at standard depths are also given.

2. Temperature. The Celsius ($^{\circ}\text{C}$) temperature is given in degrees and hundredths.

3. Salinity. Salinity is given in parts per thousand (by weight) to two decimal places.

4. Sigma-t. To convert to density divide by 1000 and add 1. Thus, a sigma-t value of 22.35 converts to a density of 1.02235.

5. Delta-D. The values in the columns are the anomalies of dynamic depths from the surface to each level in dynamic meters. Each entry is the cumulative sum of the anomalies of dynamic depth of the layer above. These values have been computed for the standard depths only, and serve to identify computed points.

6. Dissolved Oxygen. These values when given are in milliliters per liter to two decimal places. Values of 10.00 or above rarely occur and are coded as 9.99.

7. Sound Velocity. Sound velocities were computed by Wilson's equation and are recorded in feet per second to one decimal place (corrected for pressure at each depth). See footnote page 7.

D. Additional Nansen Cast Information.

1. Cast No. Individual Nansen bottle casts are numbered by Roman numerals.

2. Wire Angle. The angle between the oceanographic wire and the vertical, measured by an inclinometer, is recorded in whole degrees.

3. Nansen Bottles. The number of Nansen bottles employed on a Nansen cast.

4. Protected Thermometers. Used - the number of protected reversing thermometers employed on the designated Nansen cast. Accepted - the number of temperatures from protected thermometers actually accepted, individually or for an average.

5. Unprotected Thermometers. Used - the number of unprotected reversing thermometers employed on the designated Nansen cast. Accepted - the number of unprotected thermometers actually accepted based on the difference between the computed thermometric depth and the accepted depth (i.e., when the difference is within $\pm .5\%$ of the accepted depth). Accepted depths are determined by L - Z curve methods described in publication H.O. 607.

TABLE 1. COMPASS DIRECTION CONVERSION TABLE
FOR WIND, SEA, AND SWELL DIRECTIONS

Code	Direction	Code	Direction
00 ----	Calm	19 ----	185° to 194°
01 ----	5° to 14°	20 ----	195° to 204° SSW
02 ----	15° to 24° NNE	21 ----	205° to 214°
03 ----	25° to 34°	22 ----	215° to 224°
04 ----	35° to 44°	23 ----	225° to 234° SW
05 ----	45° to 54° NE	24 ----	235° to 244°
06 ----	55° to 64°	25 ----	245° to 254° WSW
07 ----	65° to 74° ENE	26 ----	255° to 264°
08 ----	75° to 84°	27 ----	265° to 274° W
09 ----	85° to 94° E	28 ----	275° to 284°
10 ----	95° to 104°	29 ----	285° to 294° WNW
11 ----	105° to 114° ESE	30 ----	295° to 304°
12 ----	115° to 124°	31 ----	305° to 314°
13 ----	125° to 134°	32 ----	315° to 324° NW
14 ----	135° to 144° SE	33 ----	325° to 334°
15 ----	145° to 154°	34 ----	335° to 344° NNW
16 ----	155° to 164° SSE	35 ----	345° to 354°
17 ----	165° to 174°	36 ----	355° to 4° N
18 ----	175° to 184° S	99 ----	Variable or unknown

TABLE 2. NUMERICAL WEATHER CODES—PRESENT WEATHER

00	01	02	03	04	05	06	07	08	09
Cloud development not observed or not visible during past hour.	Clouds generally dissipating or becoming obscured during past hour.	State of sky on the whole unchanged during past hour.	Clouds generally forming or developing during past hour.	Visibility reduced by smoke.	Haze.	Widespread dust in suspension in the air, beginning at time of observation.	Dust or sand raised during observation.	Well developed dust (debris) within past hour.	Outburst or sandstorm or dust storm during past hour.
10	Light fog.	11	12	13	14	15	16	17	18
	Path of a ship visible at station, NOT deeper than 6 feet on land.	More or less cutting fog at station, NOT deeper than 6 feet on land.	Light fog, no thunder heard.	Precipitation within sight but NOT reaching the ground.	Precipitation within sight, reaching the ground, but distant rain or snow NOT at station.	Precipitation within sight, reaching the ground, but NOT at station.	Thunder heard, but no precipitation at the station.	Squalls within sight during past hour.	Funnel clouds (with or without hail) in sight during past hour.
20	21	22	23	24	25	26	27	28	29
Drizzle (NOT freezing or NOT freezing showers) during past hour, but NOT at time of observation.	Rain (NOT freezing or NOT freezing showers) during past hour, but NOT at time of observation.	Snow (NOT falling at time of observation).	Rain and snow (NOT falling at time of observation).	Freezing drizzle or freezing rain (NOT falling as showers) during past hour, but NOT at time of observation.	Showers of rain during past hour, but NOT at time of observation.	Showers of rain and snow during past hour, but NOT at time of observation.	Showers of hail and rain during past hour, but NOT at time of observation.	Fog during past hour, but NOT at time of observation.	Thunderstorm (with or without precipitation) during past hour, but NOT at time of observation.
30	31	32	33	34	35	36	37	38	39
Slight or moderate rain or snow, but not at time of observation.	Slight or moderate rain or snow, but not at time of observation.	Slight or moderate rain or snow, but not at time of observation.	Severe duststorm or severe rain or snow, but not at time of observation.	Severe duststorm or severe rain or snow, but not at time of observation.	Severe duststorm or severe rain or snow, but not at time of observation.	Slight or moderate rain or snow, but not at time of observation.	Heavy drifting snow, generally high.	Slight or moderate rain or snow, generally high.	Heavy rain or snow, generally high.
40	41	42	43	44	45	46	47	48	49
Fog at distance, at time of observation, but NOT at station during past hour.	Fog in patches during past hour.	Fog, sky discernible, but not at time of observation.	Fog, sky NOT discernible, has become thinner during past hour.	Fog, sky discernible, no appreciable change during past hour.	Fog, sky NOT discernible, no appreciable change during past hour.	Fog, sky discernible, has begun or become thicker during past hour.	Fog, sky NOT discernible, has begun or become thicker during past hour.	Fog, depositing rime, sky discernible.	Fog, depositing rime, sky not discernible.
50	51	52	53	54	55	56	57	58	59
Intermittent drizzle (NOT freezing or NOT freezing showers) at time of observation.	Continuous drizzle (NOT freezing or NOT freezing showers) at time of observation.	Intermittent drizzle (NOT freezing or NOT freezing showers) at time of observation.	Continuous drizzle (NOT freezing or NOT freezing showers) at time of observation.	Intermittent drizzle (NOT freezing or NOT freezing showers) at time of observation.	Continuous drizzle (NOT freezing or NOT freezing showers) at time of observation.	Slight freezing drizzle.	Moderate or thick freezing drizzle.	Drizzle and rain, moderate or heavy.	Drizzle and rain, moderate or heavy.
60	61	62	63	64	65	66	67	68	69
Intermittent rain (NOT freezing or NOT freezing showers) at time of observation.	Continuous rain (NOT freezing or NOT freezing showers) at time of observation.	Intermittent rain (NOT freezing or NOT freezing showers) at time of observation.	Continuous rain (NOT freezing or NOT freezing showers) at time of observation.	Intermittent rain (NOT freezing or NOT freezing showers) at time of observation.	Continuous rain (NOT freezing or NOT freezing showers) at time of observation.	Slight freezing rain.	Moderate or heavy freezing rain.	Rain or drizzle and snow, moderate or heavy.	Rain or drizzle and snow, moderate or heavy.
70	71	72	73	74	75	76	77	78	79
Intermittent fall of snowflakes, slight at time of observation.	Continuous fall of snowflakes, slight at time of observation.	Intermittent fall of snowflakes, moderate at time of observation.	Continuous fall of snowflakes, moderate at time of observation.	Intermittent fall of snowflakes, heavy at time of observation.	Continuous fall of snowflakes, heavy at time of observation.	Ice needles (with or without fog).	Granular snow (with or without fog).	Isolated streaks of crystals (with or without U. S. definition).	Ice pellets (sleet).
80	81	82	83	84	85	86	87	88	89
Slight rain showers (s). Moderate or heavy rain showers (s).	Moderate or heavy rain showers (s).	Violent rain showers (s).	Slight rain showers (s).	Moderate or heavy rain showers (s).	Slight rain showers (s).	Moderate or heavy rain showers (s).	Slight rain showers (s).	Moderate or heavy rain showers (s).	Slight rain showers (s).
90	91	92	93	94	95	96	97	98	99
Moderate or heavy rain showers (s).	Slight rain at time of observation, but NOT at station during past hour.	Moderate or heavy rain at time of observation, but NOT at station during past hour.	Slight rain at time of observation, but NOT at station during past hour.	Moderate or heavy rain at time of observation, but NOT at station during past hour.	Slight rain at time of observation, but NOT at station during past hour.	Slight or moderate rain at time of observation, but NOT at station during past hour.	Heavy thunderstorm, rain or snow at time of observation.	Thunderstorm, rain or snow at time of observation.	Heavy thunderstorm, rain or snow at time of observation.

TABLE 3. CLOUD TYPE

<u>Code</u>	
0	Stratus or Fractostratus
1	Cirrus
2	Cirrostratus
3	Cirrocumulus
4	Alto cumulus
5	Altostratus
6	Stratocumulus
7	Nimbostratus
8	Cumulus or Fractocumulus
9	Cumulonimbus

TABLE 4. CLOUD AMOUNT

<u>Code</u>	
0	No clouds
1	Less than 1/10 or 1/10
2	2/10 and 3/10
3	4/10
4	5/10
5	6/10
6	7/10 and 8/10
7	9/10 and 9/10 plus
8	10/10
9	Sky obscured

TABLE 5. SEA AMOUNT

<u>Code</u>	<u>Mean Max. Height of Sea Waves in feet (Approx.)</u>	<u>Description</u>
0	0	Calm (glassy)
1	0 - 1/3	Calm (rippled)
2	1/3 - 1 2/3	Smooth (wavelets)
3	1 2/3 - 4	Slight
4	4 - 8	Moderate
5	8 - 13	Rough
6	13 - 20	Very rough
7	20 - 30	High
8	30 - 45	Very high
9	over 45	Phenomenal*

* As might be expected in center of hurricane.

TABLE 6. SWELL AMOUNT

Code	Approximate Height (feet)	Description		Approximate Length (feet)
0	----	No swell		----
1	1 to 6	Low swell	Short or Average	0 to 600
2			Long	Above 600
3	6 to 12	Moderate	Short	0 to 300
4			Average	300 to 600
5			Long	Above 600
6	Greater than 12	High	Short	0 to 300
7			Average	300 to 600
8			Long	Above 600
9	----	Confused		----

TABLE 7. VISIBILITY

Code	
0	Dense fog ----- 50 yards
1	Thick fog ----- 200 yards
2	Fog ----- 400 yards
3	Moderate fog ----- 1000 yards
4	Thin fog or mist ----- 1 mile
5	Visibility poor ----- 2 miles
6	Visibility moderate ----- 5 miles
7	Visibility good ----- 10 miles
8	Visibility very good ----- 30 miles
9	Visibility excellent --- Over 30 miles

TABLE 8. WATER COLOR

Code (% yellow)	Description
00 ---	Deep blue
10 ---	Blue
20 ---	Greenish-blue (or green blue)
30 ---	Bluish-green (or blue green)
40 ---	Green
50 ---	Light Green
60 ---	Yellowish-green
70 ---	Yellow Green
80 ---	Green Yellow
90 ---	Greenish-yellow
99 ---	Yellow

Consec. Sta. No. 1		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG1A	02	16	1960	12	27	20 N	050	58 E	0065	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
34		18	21	7				02	0	2	32	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	20 52	40 28	28 67	0 000-		50189
OBS	0000	20 52	40 28	28 67			50189
STD	0010	20 47	40 28	28 68	0 005-		50190
STD	0020	20 44	40 27	28 68	0 010-		50192
OBS	0025	20 42	40 27	28 69			50193
STD	0030	20 41	40 27	28 69	0 016-		50195
STD	0050	20 37	40 28	28 71	0 026-		50202
OBS	0055	20 37	40 28	28 71			50205

SURFACE OBSERVATIONS											
Consec. Sta. No. 2		DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG14	02	17	1960	12	28	59 N	050	40 E	0021	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
30		16	23	9				02	4	8	29	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	19 78	40 50	29 04	0 000-		50132
OBS	0000	19 78	40 50	29 04			50132
OBS	0005	19 20	40 49	29 18			50083
STD	0010	19 11	40 50	29 22	0 009-		50078
OBS	0010	19 11	40 50	29 22			50078
OBS	0015	19 08	40 49	29 22			50078
STD	0020	19 08	40 49	29 22	0 020-		50080
OBS	0020	19 08	40 49	29 22			50080

Consec. Sta. No. 3		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG12	02	19	1960	06	29	14 N	050	21 E	0022	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
32		19	23	9				01	6	2	32	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	18 26	40 66	29 56	0 000-		50002
OBS	0000	18 26	40 66	29 56			50002
OBS	0005	18 28	40 64	29 54			50005
STD	0010	18 30	40 66	29 55	0 013-		50011
OBS	0010	18 30	40 66	29 55			50011
OBS	0015	18 37	40 64	29 52			50019
STD	0020	18 24	40 69	29 59	0 027-		50012
OBS	0020	18 24	40 69	29 59			50012

Consec. Sta. No. 4		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG11	02	19	1960	19	28	57 N	050	03 E	0049	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
32			17	18	3		02		0	32	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓		
STD	0000	19 15	40 83	29 46	0 000-		50089		
OBS	0000	19 15	40 83	29 46			50089		
OBS	0005	19 15	40 83	29 46			50092		
STD	0010	19 17	40 84	29 46	0 013-		50097		
OBS	0010	19 17	40 84	29 46			50097		
STD	0020	19 10	40 82	29 46	0 025-		50095		
OBS	0020	19 10	40 82	29 46			50095		
STD	0030	19 07	40 85	29 50	0 038-		50099		
OBS	0030	19 07	40 85	29 50			50099		
OBS	0040	19 09	40 82	29 47			50105		
OBS	0049	19 08	40 89	29 52			50112		

Consec. Sta. No. 5		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG15	02	20	1960	00	28	44 N	050	40 E	0037	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
34			16	18	9		02		0	34	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓		
STD	0000	19 03	40 37	29 14	0 000-		50060		
OBS	0000	19 03	40 37	29 14			50060		
OBS	0005	19 02	40 37	29 14			50062		
STD	0010	19 03	40 37	29 14	0 010-		50066		
OBS	0010	19 03	40 37	29 14			50066		
STD	0020	18 99	40 37	29 15	0 019-		50068		
OBS	0020	18 99	40 37	29 15			50068		
STD	0030	18 93	40 38	29 17	0 029-		50068		
OBS	0030	18 93	40 38	29 17			50068		
OBS	0035	18 91	40 39	29 18			50069		

Consec. Sta. No. 6		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG21	02	20	1960	08	28	32 N	051	00 E	0013	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
14			16	20	0		02	8	4	14	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓		
STD	0000	19 04	40 26	29 05	0 000-		50057		
OBS	0000	19 04	40 26	29 05			50057		
OBS	0005	19 07	40 26	29 04			50062		
STD	0010	18 83	40 27	29 11	0 009-		50044		
OBS	0010	18 83	40 27	29 11			50044		
OBS	0014	18 82	40 26	29 11			50045		

Consec. Sta. No. 7		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG20	02	20	1960	12	28	07 N	050	50 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
33			13	18	3			02	8	1	33	3		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C	S ‰/‰	σ _t	Σ ΔD	O ₂ ml/l	V _t
STD	0000	19 55	40 26	28 92	0 000-		50103
OBS	0000	19 55	40 26	28 92			50103
OBS	0005	19 54	40 27	28 93			50105
STD	0010	19 54	40 27	28 93	0 007-		50108
OBS	0010	19 54	40 27	28 93			50108
STD	0020	19 46	40 26	28 94	0 015-		50105
OBS	0020	19 46	40 26	28 94			50105
STD	0030	19 31	40 25	28 97	0 023-		50097
OBS	0030	19 31	40 25	28 97			50097
OBS	0040	19 33	40 26	28 97			50105
STD	0050	19 61	40 64	29 19	0 040-		50150
OBS	0050	19 61	40 64	29 19			50150
OBS	0055	19 59	40 66	29 21			50152

Consec. Sta. No. 8		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG24	02	20	1960	17	27	22 N	051	07 E	0058	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
30			14	18	9			02	0	50	3			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C	S ‰/‰	σ _t	Σ ΔD	O ₂ ml/l	V _t
STD	0000	20 39	39 84	28 37	0 000-		50160
OBS	0000	20 39	39 84	28 37			50160
OBS	0005	20 39	39 84	28 37			50163
STD	0010	20 38	39 85	28 38	0 002-		50165
OBS	0010	20 38	39 85	28 38			50165
OBS	0015	20 40	39 86	28 38			50170
STD	0020	20 33	40 06	28 55	0 005-		50174
OBS	0025	20 29	40 18	28 65			50178
STD	0030	20 30	40 21	28 67	0 010-		50183
OBS	0035	20 30	40 22	28 68			50186
OBS	0045	20 27	40 22	28 69			50189
STD	0050	20 28	40 22	28 69	0 020-		50192
OBS	0063	20 29	40 22	28 68			50200

Consec. Sta. No. 9		SURFACE OBSERVATIONS										SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	DATE				POSITION							
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00658	PG23	02	22	1960	11	27	06 N	050	46 E	0055	01		

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
16			16	21	7			02	9	16	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	20 94	40 28	28 55	0 000-		50225		
OBS	0000	20 94	40 28	28 55			50225		
OBS	0005	20 51	40 27	28 66			50190		
STD	0010	20 43	40 27	28 68	0 005-		50186		
OBS	0010	20 43	40 27	28 68			50186		
STD	0020	20 38	40 28	28 71	0 010-		50187		
OBS	0020	20 38	40 28	28 71			50187		
STD	0030	20 36	40 30	28 73	0 015-		50192		
OBS	0030	20 36	40 30	28 73			50192		
OBS	0040	20 14	40 41	28 87			50182		
STD	0050	20 02	40 48	28 96	0 029-		50180		
OBS	0050	20 02	40 48	28 96			50180		
OBS	0055	20 03	40 48	28 95			50183		

Consec. Sta. No. 10		SURFACE OBSERVATIONS										SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	DATE				POSITION							
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00658	PG27	02	22	1960	21	26	54	N	051	41	E	0053	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
10			15	20	0			02	0	10	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	21 37	39 64	27 94	0 000		50236		
OBS	0000	21 37	39 64	27 94			50236		
OBS	0005	21 37	39 64	27 94			50239		
STD	0010	21 27	39 62	27 96	0 002		50232		
OBS	0010	21 27	39 62	27 96			50232		
STD	0020	20 95	39 62	28 04	0 003		50211		
OBS	0020	20 95	39 62	28 04			50211		
STD	0030	20 77	39 79	28 22	0 003		50207		
OBS	0030	20 77	39 79	28 22			50207		
OBS	0040	20 69	39 79	28 25			50206		
STD	0050	20 60	39 81	28 29	0 001		50204		
OBS	0050	20 60	39 81	28 29			50204		
OBS	0053	20 65	39 82	28 28			50210		

Consec. Sta. No. 11		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG26	02	23	1960	00	27	16 N	051	56 E	0050	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
32			15	21	1			02	0	34	1			7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓
STD	0000	21	85	38	96	27	29	0 000		50250
OBS	0000	21	85	38	96	27	29			50250
OBS	0005	21	88	38	97	27	29			50256
STD	0010	21	72	39	10	27	43	0 007		50250
OBS	0010	21	72	39	10	27	43			50250
STD	0020	21	67	39	14	27	48	0 014		50253
OBS	0020	21	67	39	14	27	48			50253
STD	0030	22	03	39	55	27	69	0 019		50304
OBS	0030	22	03	39	55	27	69			50304
OBS	0040	22	31	39	97	27	93			50349
STD	0050	22	29	39	97	27	93	0 025		50352
OBS	0050	22	29	39	97	27	93			50352

Consec. Sta. No. 12		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG25	02	23	1960	06	27	42 N	051	25 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
33			17	21	7			02	0	33	1			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	21	13	39	31	27	76	0 000		50203
OBS		0000	21	13	39	31	27	76			50203
OBS		0005	21	10	39	33	27	78			50204
STD		0010	20	89	39	50	27	97	0 003		50195
OBS		0010	20	89	39	50	27	97			50195
OBS		0015	20	81	39	54	28	02			50193
OBS		0018	20	78	39	56	28	05			50193

Consec. Sta. No. 13		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG25	02	23	1960	12	27	42 N	051	25 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
28			16	21	1			02	0	28	1			7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓	
STD	0000	22	00	39	14	27	38	0 000	50270	
OBS	0000	22	00	39	14	27	38		50270	
STD	0010	21	35	39	19	27	60	0 006	50223	
OBS	0010	21	35	39	19	27	60		50223	
OBS	0018	21	29	39	25	27	67		50224	

Consec. Sta. No. 14												SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH						
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE									
00658	PG25	02	23	1960	24	27	42 N	051	25 E	0018	00						

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
35			15	20	6		02		0	35	2			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	21 03	39 49	27 92	0 000			50202	
OBS	0000	21 03	39 49	27 92				50202	
STD	0010	21 06	39 50	27 92	0 002			50210	
OBS	0010	21 06	39 50	27 92				50210	
OBS	0018	21 03	39 49	27 92				50211	

SURFACE OBSERVATIONS											
Consec. Sta. No. 15		DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG25	02	24	1960	06	27	42 N	051	25 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
32			16	19	4		05		0	31	2			5		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	21 42	39 19	27 59	0 000			50223	
OBS	0000	21 42	39 19	27 59				50223	
STD	0010	21 39	39 26	27 65	0 005			50229	
OBS	0010	21 39	39 26	27 65				50229	
OBS	0019	21 20	39 36	27 78				50221	

Consec. Sta. No. 16												SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH								
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE											
00658	PG25	02	24	1960	12	27	42	N	051	25	E	0018	00						

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
32			13	21	7		05		0	30	3			6		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	21 87	39 01	27 32	0 000			50254	
OBS	0000	21 87	39 01	27 32				50254	
STD	0010	21 60	39 06	27 44	0 007			50239	
OBS	0010	21 60	39 06	27 44				50239	
OBS	0018	21 53	39 09	27 48				50238	

Consec. Sta. No. 17		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG25	02	24	1960	19	27	42 N	051	25 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
34			13	20	1			05		0	31	1		5		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	21	47	39	16	27	55	0 000		50226
	OBS	0000	21	47	39	16	27	55			50226
STD		0010	21	45	39	18	27	57	0 005		50231
	OBS	0010	21	45	39	18	27	57			50231
	OBS	0018	21	39	39	20	27	60			50231

Consec. Sta. No. 18		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG22	02	26	1960	10	27	40 N	050	36 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
36			12	25	0			01	0	1	36	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C		S ‰		σ_t	$\Sigma \Delta D$	O ₂ ml/l	V _t
		↓		↓		↓		↓	↓
STD	0000	20	77	40	51	28 77	0 000-		50219
OBS	0000	20	77	40	51	28 77			50219
OBS	0005	20	40	40	51	28 88			50190
STD	0010	20	27	40	51	28 91	0 007-		50181
OBS	0010	20	27	40	51	28 91			50181
STD	0020	20	16	40	53	28 96	0 014-		50178
OBS	0020	20	16	40	53	28 96			50178
STD	0030	20	01	40	52	28 99	0 022-		50170
OBS	0030	20	01	40	52	28 99			50170
OBS	0040	19	96	40	54	29 02			50171
STD	0050	19	95	40	53	29 01	0 038-		50176
OBS	0050	19	95	40	53	29 01			50176
OBS	0055	19	96	40	52	29 00			50179

Consec. Sta. No. 19		SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE				
00658	PG19	02	26	1960	13	27	52 N	050	15 E	0058	01	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
35			11	23	9		02	0	31	1				7		

SUBSURFACE OBSERVATIONS								
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓	
STD	0000	20 86	40 62	28 83	0 000-		50231	
OBS	0000	20 86	40 62	28 83			50231	
OBS	0005	20 15	40 62	29 03			50172	
STD	0010	19 75	40 64	29 15	0 008-		50141	
OBS	0010	19 75	40 64	29 15			50141	
STD	0020	19 42	40 69	29 28	0 018-		50119	
OBS	0020	19 42	40 69	29 28			50119	
STD	0030	19 29	40 72	29 34	0 029-		50114	
OBS	0030	19 29	40 72	29 34			50114	
OBS	0040	19 21	40 73	29 37			50112	
STD	0050	19 20	40 74	29 38	0 052-		50117	
OBS	0050	19 20	40 74	29 38			50117	
OBS	0058	19 19	40 75	29 39			50121	

Consec. Sta. No. 20		SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE				
00658	PG18	02	26	1960	15	28	02 N	049	51 E	0046	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
15			11	22	8		02	0	15	1				7		

SUBSURFACE OBSERVATIONS								
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓	
STD	0000	20 13	40 69	29 09	0 000-		50171	
OBS	0000	20 13	40 69	29 09			50171	
OBS	0005	20 08	40 72	29 12			50170	
STD	0010	19 51	40 71	29 27	0 010-		50122	
OBS	0010	19 51	40 71	29 27			50122	
STD	0020	19 24	40 75	29 37	0 021-		50105	
OBS	0020	19 24	40 75	29 37			50105	
STD	0030	19 05	40 82	29 48	0 033-		50096	
OBS	0030	19 05	40 82	29 48			50096	
OBS	0040	18 98	41 03*	29 66*				
OBS	0045	18 98	40 94	29 59			50103	

Consec. Sta. No. 21		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG17	02	27	1960	10	28	17 N	050	06 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
32			15	23	9			02	0	33	1			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD		0000	20	26	40	55	28	95	0 000-		50177
OBS		0000	20	26	40	55	28	95			50177
OBS		0005	20	08	40	75*	29	15*			
STD		0010	19	90	40	58	29	07	0 008-		50152
OBS		0010	19	90	40	58	29	07			50152
STD		0020	19	69	40	57	29	12	0 017-		50138
OBS		0020	19	69	40	57	29	12			50138
STD		0030	19	43	40	75	29	32	0 028-		50127
OBS		0030	19	43	40	75	29	32			50127
STD		0050	18	95	40	83	29	51	0 052-		50098
OBS		0050	18	95	40	83	29	51			50098
OBS		0055	18	94	40	87	29	54			50102

Consec. Sta. No. 22		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG16	02	28	1960	00	28	31 N	050	21 E	0052	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
34			12	20	0			02	0	34	2			7		

	SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓	
STD	0000	19 99	40 58	29 04	0 000-		50154	
OBS	0000	19 99	40 58	29 04			50154	
OBS	0005	20 00	40 58	29 04			50158	
STD	0010	19 98	40 58	29 04	0 009-		50159	
OBS	0010	19 98	40 58	29 04			50159	
STD	0020	19 79	40 58	29 10	0 017-		50147	
OBS	0020	19 79	40 58	29 10			50147	
STD	0030	19 58	40 65	29 21	0 027-		50137	
OBS	0030	19 58	40 65	29 21			50137	
OBS	0040	19 52	40 64	29 21			50136	
STD	0050	19 50	40 66	29 24	0 047-		50141	
OBS	0050	19 50	40 66	29 24			50141	

Consec. Sta. No. 23		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG10	02	28	1960	08	28	44 N	049	42 E	0046	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
32			13	21	7			02	0	32	2			7		

SUBSURFACE OBSERVATIONS										
SAMPLE DEPTH (M)		T °C		S ‰		σ _t		Σ ΔD	O ₂ ml/l	V _i
		↓		↓		↓		↓	↓	↓
STD	0000	19	60	40	88	29	38	0 000-		50131
OBS	0000	19	60	40	88	29	38			50131
OBS	0005	19	58	40	88	29	38			50132
STD	0010	19	51	40	88	29	40	0 012-		50129
OBS	0010	19	51	40	88	29	40			50129
STD	0020	19	37	40	88	29	44	0 024-		50122
OBS	0020	19	37	40	88	29	44			50122
STD	0030	18	75	41	00	29	69	0 038-		50076
OBS	0030	18	75	41	00	29	69			50076
OBS	0040	18	58	41	05	29	78			50068
OBS	0046	18	60	41	04	29	76			50073

Consec. Sta. No. 24		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG09	02	28	1960	10	28	33 N	049	24 E	0043	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
34			11	21	1			02	2	1	33	1		7		

SUBSURFACE OBSERVATIONS										
SAMPLE DEPTH (M)		T °C		S ‰		σ _t ↓		Σ ΔD	O ₂ ml/l	v _i ↓
STD	0000	19	49	40	91	29	43	0 000-		50123
OBS	0000	19	49	40	91	29	43			50123
OBS	0005	19	51	40	90	29	42			50127
STD	0010	19	25	40	92	29	50	0 013-		50107
OBS	0010	19	25	40	92	29	50			50107
STD	0020	18	78	41	04	29	72	0 027-		50075
OBS	0020	18	78	41	04	29	72			50075
STD	0030	18	45	41	10	29	85	0 042-		50053
OBS	0030	18	45	41	10	29	85			50053
OBS	0040	18	38	41	12	29	88			50052

Consec. Sta. No. 25		SURFACE OBSERVATIONS									
NODC REF NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG9A	02	28	1960	13	28	43 N	048	54 E	0037	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04			10	21	7			02	1	3	33	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	σ _t ↓		
STD	0000	18 31	41 37	30 09	0 000-				50034
OBS	0000	18 31	41 37	30 09					50034
OBS	0005	18 21	41 36	30 11					50027
STD	0010	17 94	41 40	30 21	0 019-				50007
OBS	0010	17 94	41 40	30 21					50007
STD	0020	17 38	41 56	30 48	0 040-				49966
OBS	0020	17 38	41 56	30 48					49966
STD	0030	17 36	41 56	30 48	0 062-				49969
OBS	0030	17 36	41 56	30 48					49969
OBS	0036	17 34	41 55	30 48					49970

Consec. Sta. No. 26		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG08	02	28	1960	16	29	07 N	049	02 E	0034	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
14			09	20	0			02	5	2	14	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	σ _t ↓		
STD	0000	18 91	41 27	29 86	0 000-				50085
OBS	0000	18 91	41 27	29 86					50085
STD	0010	18 58	41 26	29 94	0 017-				50060
OBS	0010	18 58	41 26	29 94					50060
OBS	0015	18 32	41 29	30 03					50040
STD	0020	18 15	41 30	30 08	0 034-				50028
OBS	0025	18 05	41 30	30 11					50021
STD	0030	18 01	41 31	30 12	0 053-				50020
OBS	0030	18 01	41 31	30 12					50020

Consec. Sta. No. 27		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	02	29	1960	00	29	42 N	048	50 E	0017	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
16			07	18	9			02	8	1	16	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	σ _t ↓		
STD	0000	17 30	40 68	29 82	0 000-				49912
OBS	0000	17 30	40 68	29 82					49912
OBS	0008	17 32	40 89	29 98					49927
STD	0010	17 32	40 92	30 00	0 017-				49929
OBS	0016	17 33	40 96	30 03					49935

Consec. Sta. No. 28						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	02	29	1960	03	29	42 N	048	50 E	0017	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
12			06	18	9		03	8	4	15	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C	S ‰	σ_t	$\Sigma \Delta D$	O ₂ ml/l	V ₁
STD	0000	17 43	39 35	28 76	0 000-		49871
OBS	0000	17 43	39 35	28 76			49871
OBS	0007	17 23	40 55	29 74			49904
STD	0010	17 19	40 63	29 81	0 011-		49905
OBS	0015	17 19	40 77	29 92			49914

Consec. Sta. No. 29		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	02	29	1960	06	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
15			08	19	4		02	4	3	14	2			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C	S ‰	σ_t	$\Sigma \Delta D$	O ₂ ml/l	V ₁
STD	0000	17 47	39 90	29 18	0 000-		49897
OBS	0000	17 47	39 90	29 18			49897
OBS	0008	17 22	40 35	29 59			49896
STD	0010	17 23	40 46	29 67	0 012-		49902
OBS	0016	17 25	40 81	29 93			49921

Consec. Sta. No. 30		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	02	29	1960	09	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
16			05	21	1		02	6	2	14	2			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C	S ‰	σ_t	$\Sigma \Delta D$	O ₂ ml/l	V ₁
STD	0000	17 52	40 88	29 92	0 000-		49941
OBS	0000	17 52	40 88	29 92			49941
OBS	0008	17 44	40 93	29 98			49940
STD	0010	17 42	40 94	29 99	0 017-		49940
OBS	0016	17 38	40 97	30 02			49940

Consec. Sta. No. 31		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	02	29	1960	16	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
19			06	18	9			02	6	4	19	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	17 61	40 27	29 43	0 000-		49925
OBS	0000	17 61	40 27	29 43			49925
OBS	0008	17 41	40 65	29 77			49926
STD	0010	17 38	40 70	29 82	0 014-		49926
OBS	0016	17 36	40 74	29 85			49929

Consec. Sta. No. 32		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	02	29	1960	18	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
31			08	19	4			02	0	35	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	17 60	40 07	29 28	0 000-		49916
OBS	0000	17 60	40 07	29 28			49916
OBS	0007	17 51	40 61	29 71			49933
STD	0010	17 47	40 75	29 83	0 013-		49937
OBS	0015	17 42	40 85	29 92			49939

Consec. Sta. No. 33		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	02	29	1960	22	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
36			08	18	3			02	0	36	2			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	17 46	40 85	29 91	0 000-		49934
OBS	0000	17 46	40 85	29 91			49934
OBS	0007	17 55	40 99	30 00			49952
STD	0010	17 55	41 00	30 00	0 017-		49954
OBS	0015	17 54	41 01	30 01			49956

Consec. Sta. No. 34					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	03	01	1960	00	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
32			08	18	9			02	0	33	1			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓
STD	0000		17	39	40	54	29	69	0 000-		49915
OBS	0000		17	39	40	54	29	69			49915
OBS	0007		17	41	40	90	29	96			49935
STD	0010		17	42	40	97	30	01	0 016-		49941
OBS	0015		17	44	40	97	30	01			49945

Consec. Sta. No. 35					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	03	01	1960	03	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05			08	18	3			03	6	2	02	1		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓
STD	0000		17	50	39	76	29	06	0 000-		49894
OBS	0000		17	50	39	76	29	06			49894
OBS	0007		17	51	39	81	29	10			49901
STD	0010		17	50	40	08	29	31	0 010-		49913
OBS	0015		17	46	40	87	29	93			49943

Consec. Sta. No. 36						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	03	01	1960	06	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04			09	21	1			02	6	4	04	2		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _l ↓
STD		0000	17	51	40	07	29	30	0 000-		49908
	OBS	0000	17	51	40	07	29	30			49908
	OBS	0007	17	44	40	14	29	37			49908
STD		0010	17	42	40	21	29	43	0 012-		49910
	OBS	0015	17	39	40	37	29	56			49916

Consec. Sta. No. 37		SURFACE OBSERVATIONS									
NODC REF NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	03	01	1960	09	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06			09	22	8			02	4	4	03	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓	$\Sigma \Delta D$ ↓
STD	0000	17	72	40	80	29 81	0 000-
OBS	0000	17	72	40	80	29 81	
OBS	0007	17	59	40	84	29 87	
STD	0010	17	55	40	87	29 90	0 016-
OBS	0015	17	49	40	94	29 97	

Consec. Sta. No. 38		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	03	01	1960	12	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04			05	27	8			10	4	6	04	1		6		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓	$\Sigma \Delta D$ ↓
STD	0000	18	74	40	71	29 47	0 000-
OBS	0000	18	74	40	71	29 47	
OBS	0007	17	63	40	81	29 84	
STD	0010	17	58	40	85	29 88	0 015-
OBS	0015	17	50	40	93	29 96	

Consec. Sta. No. 39		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	03	01	1960	15	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03			06	22	2			02	9	7	03	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓	$\Sigma \Delta D$ ↓
STD	0000	17	91	40	45	29 49	0 000-
OBS	0000	17	91	40	45	29 49	
OBS	0007	17	91	40	55	29 57	
STD	0010	17	82	40	60	29 63	0 014-
OBS	0015	17	54	40	71	29 78	

Consec. Sta. No. 40					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG01	03	01	1960	17	29	42 N	048	50 E	0016	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02			05	21	1			02	8	7	01	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ_t	$\Sigma \Delta D$	O ₂ ml/l	V _i		
STD	0000	17 65	40 28	29 42	0 000-			49929	
OBS	0000	17 65	40 28	29 42				49929	
OBS	0007	17 46	40 55	29 68				49926	
STD	0010	17 48	40 68	29 77	0 014-			49935	
OBS	0015	17 52	40 91	29 94				49950	

Consec. Sta. No. 41						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG8A	03	02	1960	03	29	07 N	048	37 E	0014	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02			05	20	0			02	0	8	02	1		6		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ_t	$\Sigma \Delta D$	O ₂ ml/l	V _i		
STD	0000	17 99	41 21	30 05	0 000-			49998	
OBS	0000	17 99	41 21	30 05				49998	
OBS	0005	18 03	41 21	30 04				50005	
STD	0010	18 02	41 22	30 05	0 018-			50007	
OBS	0010	18 02	41 22	30 05				50007	
OBS	0014	18 00							

Consec. Sta. No. 42						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG07	03	02	1960	06	29	15 N	049	20 E	0037	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02			07	21	1			02	7	8	29	2		6		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ_t	$\Sigma \Delta D$	O ₂ ml/l	V _i		
STD	0000	18 65	41 29	29 94	0 000-			50062	
OBS	0000	18 65	41 29	29 94				50062	
OBS	0005	18 64	41 29	29 95				50064	
STD	0010	18 54	41 29	29 97	0 017-			50058	
OBS	0010	18 54	41 29	29 97				50058	
STD	0020	18 38	41 31	30 03	0 035-			50049	
OBS	0020	18 38	41 31	30 03				50049	
STD	0030	18 37	41 31	30 03	0 053-			50054	
OBS	0030	18 37	41 31	30 03				50054	
OBS	0037	18 38	41 31	30 03				50058	

Consec. Sta. No. 43										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00658	PG06	03	02	1960	09	29 25 N	049 38 E	0034	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL	TRANS.
03			07	23	3			02	0	9	03	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ▼	S ‰ ▼	σ _t ▼	Σ ΔD ▼	O ₂ ml/l ▼	V _t ▼
STD	0000	18 84	41 17	29 80	0 000-		50075
OBS	0000	18 84	41 17	29 80			50075
OBS	0005	18 86	41 17	29 80			50079
STD	0010	18 80	41 17	29 81	0 016-		50077
OBS	0010	18 80	41 17	29 81			50077
STD	0020	18 52	41 17	29 89	0 032-		50056
OBS	0020	18 52	41 17	29 89			50056
STD	0030	18 53	41 17	29 88	0 049-		50063
OBS	0030	18 53	41 17	29 88			50063

Consec. Sta. No. 44										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00658	PG03	03	02	1960	12	29 55 N	049 57 E	0015	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL	TRANS.
12			06	21	7			02	7	8	12	2		6		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ▼	S ‰ ▼	σ _t ▼	Σ ΔD ▼	O ₂ ml/l ▼	V _t ▼
STD	0000	18 25	41 12	29 92	0 000-		50019
OBS	0000	18 25	41 12	29 92			50019
OBS	0005	18 27	41 14	29 93			50024
STD	0010	18 26	41 12	29 91	0 017-		50025
OBS	0010	18 26	41 12	29 91			50025
OBS	0015	18 24	41 13	29 93			50026

Consec. Sta. No. 45										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00658	PG02	03	02	1960	15	29 47 N	049 32 E	0012	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL	TRANS.
15			08	19	4			02	6	8	15	2		6		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ▼	S ‰ ▼	σ _t ▼	Σ ΔD ▼	O ₂ ml/l ▼	V _t ▼
STD	0000	17 69	41 20	30 12	0 000-		49970
OBS	0000	17 69	41 20	30 12			49970
OBS	0005	17 71	41 20	30 12			49975
STD	0010	17 69	41 20	30 12	0 019-		49975
OBS	0010	17 69	41 20	30 12			49975

Consec. Sta. No. 46		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG02	03	02	1960	21	29	47 N	049	32 E	0014	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
34			10	17	8		01	0	34	2				7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓
STD	0000	17	61	41	18	30 13	0 000-		49962
OBS	0000	17	61	41	18	30 13			49962
OBS	0005	17	65	41	18	30 12			49968
STD	0010	17	64	41	18	30 12	0 019-		49970
OBS	0010	17	64	41	18	30 12			49970

Consec. Sta. No. 47		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG02	03	03	1960	03	29	47 N	049	32 E	0014	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
30			12	17	2		02	0	34	2				7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓
STD	0000	17	53	41	19	30 15	0 000-		49955
OBS	0000	17	53	41	19	30 15			49955
OBS	0005	17	57	41	18	30 14			49961
STD	0010	17	56	41	18	30 14	0 019-		49962
OBS	0010	17	56	41	18	30 14			49962

Consec. Sta. No. 48		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG02	03	03	1960	09	29	47 N	049	32 E	0014	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
31			15	16	7		02	0	31	2				7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓
STD	0000	17	75	41	18	30 09	0 000-		49975
OBS	0000	17	75	41	18	30 09			49975
OBS	0005	17	69	41	18	30 11			49972
STD	0010	17	65	41	18	30 12	0 019-		49971
OBS	0010	17	65	41	18	30 12			49971

Consec. Sta. No. 49		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG02	03	03	1960	15	29	47 N	049	32 E	0012	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
26			14	20	0			02	0	28	1			6		

SUBSURFACE OBSERVATIONS											
SAMPLE DEPTH (M)		T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓		O ₂ ml/l ↓	v _i ↓
0000		17	73	41	19	30	10	0	000-		49973
0000		17	73	41	19	30	10				49973
0005		17	72	41	19	30	11				49975
0010		17	64	41	18	30	12	0	019-		49970
0010		17	64	41	18	30	12				49970

Consec. Sta. No. 50		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG02	03	03	1960	22	29	47 N	049	32 E	0012	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
33			15	19	4			02	0	28	1			7		

SUBSURFACE OBSERVATIONS										
SAMPLE DEPTH (M)		T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	v _i ↓
S S S	0000	17	58	41	19	30	14	0 000-		49959
	0000	17	58	41	19	30	14			49959
	0005	17	63	41	18	30	12			49966
	0010	17	62	41	21	30	15	0 019-		49969
S	0010	17	62	41	21	30	15			49969

Consec. Sta. No. 51		SURFACE OBSERVATIONS									
NODC REF NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG02	03	04	1960	03	29	47 N	049	32 E	0013	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
36			15	18	3			02	0	35	1			7		

SUBSURFACE OBSERVATIONS										
SAMPLE DEPTH (M)		T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	v _i ↓
S OBS	0000	17	53	41	22	30	18	0 000-		49956
	0000	17	53	41	22	30	18			49956
	0005	17	56	41	24	30	19			49962
	0010	17	55	41	22	30	17	0 019-		49963
	0010	17	55	41	22	30	17			49963

Consec. Sta. No. 55		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00658	PG13	03	05	1960	04	29	33 N	050	25 E	0012	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09			14	18	9			02	5	1	36	1		7		

SUBSURFACE OBSERVATIONS											
SAMPLE DEPTH (M)		T °C ↓		S ‰ _{oo} ↓		σ_t ↓		$\Sigma \Delta D$ ↓		O ₂ ml/l ↓	V _t ↓
STD	0000	18	98	40	76	29	45	0 000-			50071
OBS	0000	18	98	40	76	29	45				50071
OBS	0005	18	94	40	74	29	45				50070
STD	0010	18	94	40	75	29	45	0 012-			50073
OBS	0010	18	94	40	80*	29	49*				
OBS	0013	18	93	40	75	29	46				50073

Consec. Sta. No. 1		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG33	01	04	1961	15	27	01 N	056	21 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	25		16	21	7		03	8	2	25	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓		
STD	0000	21 74	37 17	25 96	0 000		50173		
OBS	0000	21 74	37 17	25 96			50173		
OBS	0005	21 66	37 17	25 98			50169		
STD	0010	21 62	37 17	25 99	0 020		50168		
OBS	0010	21 62	37 17	25 99			50168		
OBS	0015	21 61	37 17	25 99			50170		

Consec. Sta. No. 2		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	-MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG33	01	04	1961	18	27	01 N	056	21 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	28		16	20	6		01		0	28	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓		
STD	0000	21 94	37 14	25 88	0 000		50189		
OBS	0000	21 94	37 14	25 88			50189		
OBS	0009	21 98	37 14	25 87			50197		
STD	0010	21 98	37 14	25 87	0 021		50197		
OBS	0018	22 00	37 14	25 86			50203		

Consec. Sta. No. 3		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG33	01	04	1961	21	27	01 N	056	21 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	23		16	20	0		02		0	23	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓		
STD	0000	22 33	37 11	25 75	0 000		50220		
OBS	0000	22 33	37 11	25 75			50220		
OBS	0005	22 31	37 11	25 75			50221		
STD	0010	22 09	37 12	25 82	0 022		50206		
OBS	0010	22 09	37 12	25 82			50206		
OBS	0018	21 95	37 13	25 87			50199		

SURFACE OBSERVATIONS											
Consec. Sta. No. 4											
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG33	01	05	1961	00	27	01 N	056	21 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	28		16	20	6			03	8	1	00	0		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	21 93	37 14	25 88	0 000		50188		
OBS	0000	21 93	37 14	25 88			50188		
OBS	0009	21 82	37 15	25 92			50184		
STD	0010	21 81	37 15	25 92	0 021		50183		
OBS	0018	21 70	37 14	25 95			50178		

Consec. Sta. No. 5		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG33	01	05	1961	03	27	01 N	056	21 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	05		17	17	8			00		0	05	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	21 60	37 17	26 00	0 000		50161		
OBS	0000	21 60	37 17	26 00			50161		
OBS	0007	21 63	37 17	25 99			50167		
STD	0010	21 63	37 17	25 99	0 020		50169		
OBS	0015	21 61	37 17	25 99			50170		

Consec. Sta. No. 6		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG33	01	05	1961	06	27	01 N	056	21 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	05		19	18	3			02		0	05	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	22 30	37 12	25 76	0 000		50218		
OBS	0000	22 30	37 12	25 76			50218		
OBS	0007	21 79	37 14	25 92			50180		
STD	0010	21 69	37 15	25 96	0 022		50173		
OBS	0015	21 68	37 16	25 97			50176		

Consec. Sta. No. 7		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG33	01	05	1961	09	27	01 N	056	21 E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	02		18	22	2		01	6	2	04	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	22	74	37	09	25	61	0	000
OBS	0000	22	74	37	09	25	61		
OBS	0005	22	30	37	11	25	75		
STD	0010	21	92	37	16	25	90	0	022
OBS	0010	21	92	37	16	25	90		
OBS	0018	21	87	37	15	25	91		

Consec. Sta. No. 8												SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH						
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE									
00865	PG33	01	05	1961	12	27	01	N	056	21	E	0018	00				

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	25		17	25	0		03	8	2	25	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	22	65	37	09	25	64	0	000
OBS	0000	22	65	37	09	25	64		
OBS	0007	21	84	37	11	25	88		
STD	0010	21	67	37	12	25	94	0	022
OBS	0015	21	62	37	13	25	96		

Consec. Sta. No. 9		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG33	01	05	1961	15	27	01' N	056	21' E	0018	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	24		18	21	7		00		0	00	0			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	21	93	37	13	25	87	0	000
OBS	0000	21	93	37	13	25	87		
OBS	0005	21	71	37	13	25	94		
STD	0010	21	57	37	13	25	98	0	021
OBS	0010	21	57	37	13	25	98		
OBS	0018	21	51	37	14	26	00		

Consec. Sta. No. 10		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	05	1961	19	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	30		17	21	1			00		0	00	0		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	22 54	37 07	25 66	0 000			50236	
OBS	0000	22 54	37 07	25 66				50236	
STD	0010	22 56	37 06	25 64	0 024			50242	
OBS	0010	22 56	37 06	25 64				50242	
STD	0020	22 54	37 04	25 63	0 047			50245	
OBS	0020	22 54	37 04	25 63				50245	
STD	0030	22 37	37 06	25 70	0 071			50238	
OBS	0032	22 32	37 07	25 72				50235	

Consec. Sta. No. 11		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	05	1961	22	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	31		17	20	6			00		0	00	0		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	22 68	37 03	25 58	0 000			50246	
OBS	0000	22 68	37 03	25 58				50246	
STD	0010	22 67	37 03	25 59	0 024			50250	
OBS	0017	22 66	37 03	25 59				50253	
STD	0020	22 64	37 03	25 60	0 048			50253	
STD	0030	22 51	37 04	25 64	0 072			50248	
OBS	0033	22 46	37 04	25 66				50246	

Consec. Sta. No. 12		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	06	1961	01	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY	WET			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	35		16	19	4			00		0	00	0		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	22 71	37 03	25 58	0 000			50248	
OBS	0000	22 71	37 03	25 58				50248	
STD	0010	22 72	37 03	25 57	0 024			50254	
OBS	0010	22 72	37 03	25 57				50254	
STD	0020	22 74	37 02	25 56	0 049			50261	
OBS	0020	22 74	37 02	25 56				50261	
STD	0030	22 60	37 03	25 61	0 073			50255	
OBS	0032	22 55	37 04	25 63				50253	

Consec. Sta. No. 13		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	06	1961	06	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	03		19	20	6			00		0	00	0		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	22 90	37 00	25 50	0 000		50263		
OBS	0000	22 90	37 00	25 50			50263		
STD	0010	22 88	36 99	25 50	0 025		50266		
OBS	0017	22 86	36 98	25 49			50268		
STD	0020	22 85	36 99	25 51	0 050		50269		
STD	0030	22 81	37 00	25 52	0 075		50271		
OBS	0033	22 80	37 01	25 53			50273		

Consec. Sta. No. 14		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	06	1961	07	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	01		19	20	0			00		0	00	0		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	23 07	36 96	25 42	0 000		50275		
OBS	0000	23 07	36 96	25 42			50275		
STD	0010	22 95	36 96	25 45	0 026		50271		
OBS	0010	22 95	36 96	25 45			50271		
STD	0020	22 92	36 96	25 46	0 051		50274		
OBS	0020	22 92	36 96	25 46			50274		
STD	0030	22 80	37 00	25 53	0 076		50271		
OBS	0033	22 74	37 02	25 56			50268		

Consec. Sta. No. 15		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	06	1961	10	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	26		16	23	9			03	8	5	26	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
OBS	0004	23 37	36 94	25 32					
STD	0010	23 18	36 94	25 37					
OBS	0018	23 00	36 95	25 43					
STD	0020	22 97	36 95	25 44					
STD	0030	22 93	36 96	25 46					
OBS	0032	22 92	36 96	25 46					

Consec. Sta. No. 16		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	06	1961	13	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	24		16	23	3			03	3	2	24	3		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	23 14	36 94	25 38	0 000		50280
OBS	0000	23 14	36 94	25 38			50280
STD	0010	23 12	36 96	25 40	0 026		50284
OBS	0010	23 12	36 96	25 40			50284
STD	0020	22 94	36 96	25 46	0 052		50275
OBS	0020	22 94	36 96	25 46			50275
STD	0030	22 82	36 98	25 51	0 077		50272
OBS	0032	22 80	36 99	25 52			50271

Consec. Sta. No. 17		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	06	1961	16	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	24		17	21	1			03	8	4	24	3		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	22 91	36 96	25 46	0 000		50262
OBS	0000	22 91	36 96	25 46			50262
STD	0010	22 90	36 96	25 47	0 025		50267
OBS	0018	22 90	36 96	25 47			50271
STD	0020	22 88	36 96	25 47	0 050		50270
STD	0030	22 75	36 98	25 53	0 076		50266
OBS	0032	22 72	36 99	25 54			50265

Consec. Sta. No. 18		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG34	01	06	1961	19	26	58 N	056	36 E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	26		16	21	7			02	6	4	26	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	22 91	36 97	25 47	0 000		50262
OBS	0000	22 91	36 97	25 47			50262
STD	0010	22 94	36 96	25 46	0 025		50270
OBS	0010	22 94	36 96	25 46			50270
STD	0020	22 94	36 95	25 45	0 051		50275
OBS	0020	22 94	36 95	25 45			50275
STD	0030	22 83	36 98	25 50	0 076		50272
OBS	0032	22 79	36 99	25 52			50271

Consec. Sta. No. 19		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG38	01	06	1961	23	26	43 N	056	56 E	0046	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
10	25		16	21	7			03	8	4	28	3		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	23 86	36	68	24	97	0 000		50328
OBS	0000	23 86	36	68	24	97			50328
OBS	0005	23 86	36	67	24	97			50330
STD	0010	23 85	36	66	24	96	0 030		50332
OBS	0014	23 85	36	66	24	96			50334
STD	0020	23 86	36	67	24	97	0 060		50338
OBS	0024	23 86	36	67	24	97			50340
STD	0030	23 88	36	68	24	97	0 090		50346
OBS	0033	23 89	36	68	24	97			50348
OBS	0043	23 80	36	70	25	01			50347

Consec. Sta. No. 20		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG39	01	07	1961	01	26	31 N	056	57 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	26		19	21	1			03	8	4	26	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	24 00	36	58	24	86	0 000		50335
OBS	0000	24 00	36	58	24	86			50335
STD	0010	23 97	36	58	24	87	0 031		50338
OBS	0010	23 97	36	58	24	87			50338
STD	0020	24 00	36	58	24	86	0 062		50346
OBS	0020	24 00	36	58	24	86			50346
STD	0030	23 99	36	58	24	86	0 093		50351
OBS	0030	23 99	36	58	24	86			50351
OBS	0040	23 97	36	58	24	87			50354
STD	0050	23 98	36	58	24	86	0 155		50361
OBS	0055	23 98	36	58	24	86			50363

Consec. Sta. No. 21												SURFACE OBSERVATIONS											
NODC REF. NO.	STATION	DATE						POSITION						SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH								
		MO.	DAY	YEAR	HOUR	LATITUDE			LONGITUDE														
00865	PG40	01	07	1961	04	26	21	N	056	59	E	0055	01										

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	27		17	23	3			03	6	5	27	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v _t ↓
STD	0000	24 05	36 56	24 83	0 000		50338
OBS	0000	24 05	36 56	24 83			50338
STD	0010	24 06	36 56	24 82	0 031		50345
OBS	0010	24 06	36 56	24 82			50345
STD	0020	24 06	36 55	24 82	0 063		50350
OBS	0020	24 06	36 55	24 82			50350
STD	0030	24 05	36 56	24 83	0 094		50355
OBS	0030	24 05	36 56	24 83			50355
OBS	0040	24 04	36 57	24 84			50360
STD	0050	24 04	36 58	24 85	0 157		50365
OBS	0053	24 04	36 58	24 85			50367

Consec. Sta. No. 22												SURFACE OBSERVATIONS											
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH												
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE															
00865	PG40	01	07	1961	08	26	21	N	056	59	E	0055	01										

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	36		18	23	9			02	6	3	32	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v _t ↓
OBS	0004	24 09	36 56	24 81			
STD	0010	24 08	36 56	24 82			
STD	0020	24 07	36 55	24 81			
OBS	0025	24 06	36 55	24 82			
STD	0030	24 06	36 55	24 82			
STD	0050	24 06	36 57	24 83			
OBS	0053	24 06	36 57	24 83			

Consec. Sta. No. 23 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG40	01	07	1961	12	26	21 N	056 59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	36		16	26	1		02	8	2	34	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	24 06	36 58	24 84	0 000		50340
OBS	0000	24 06	36 58	24 84			50340
STD	0010	24 07	36 56	24 82	0 031		50345
OBS	0010	24 07	36 56	24 82			50345
STD	0020	24 04	36 54	24 81	0 063		50348
OBS	0020	24 04	36 54	24 81			50348
STD	0030	24 02	36 54	24 82	0 094		50351
OBS	0030	24 02	36 54	24 82			50351
OBS	0040	23 92	36 56	24 87			50350
STD	0050	23 93	36 58	24 88	0 157		50357
OBS	0053	23 95	36 58	24 87			50360

Consec. Sta. No. 24 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG40	01	07	1961	15	26	21 N	056 59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	33		16	22	2		02	8	2	33	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
OBS	0004	23 94	36 58	24 87			
STD	0010	23 93	36 58	24 88			
STD	0020	23 92	36 57	24 87			
OBS	0025	23 92	36 57	24 87			
STD	0030	23 92	36 57	24 87			
STD	0050	23 90	36 58	24 89			
OBS	0053	23 90	36 58	24 89			

Consec. Sta. No. 25 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG40	01	07	1961	20	26	21 N	056 59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	34		17	21	7		02	8	4	34	2			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	23 96	36 59	24 88	0 000		50332
OBS	0000	23 96	36 59	24 88			50332
STD	0010	23 94	36 59	24 88	0 031		50336
STD	0020	23 93	36 59	24 89	0 062		50341
OBS	0025	23 92	36 59	24 89			50343
STD	0030	23 92	36 59	24 89	0 093		50345
STD	0050	23 93	36 58	24 88	0 154		50357
OBS	0053	23 94	36 58	24 87			50359

Consec. Sta. No. 26						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	07	1961	22	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	36		17	21	1			02	8	4	36	2		7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓	
STD		0000	23 86	36 58	24 90	0 000			50324	
OBS		0000	23 86	36 58	24 90				50324	
STD		0010	23 87	36 54	24 87	0 031			50329	
OBS		0015	23 88	36 53	24 85				50332	
STD		0020	23 87	36 55	24 87	0 062			50335	
STD		0030	23 86	36 57	24 89	0 093			50340	
OBS		0030	23 86	36 57	24 89				50340	
STD		0050	23 86	36 58	24 90	0 154			50351	
OBS		0053	23 86	36 58	24 90				50353	

Consec. Sta. No. 27						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	08	1961	01	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	05		16	20	6			02	8	4	05	2		7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	OBS	0004	23	80	36	62	24	95		
		0010	23	81	36	61	24	94		
STD		0020	23	82	36	60	24	93		
	OBS	0025	23	82	36	60	24	93		
STD		0030	23	82	36	60	24	93		
STD		0050	23	79	36	58	24	92		
	OBS	0053	23	78	36	58	24	92		

Consec. Sta. No. 28						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	08	1961	04	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	05		19	21	1			02	4	4	05	1		7		

		SUBSURFACE OBSERVATIONS							
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓	
STD		0000	23 78	36 61	24 94	0 000		50319	
OBS		0000	23 78	36 61	24 94			50319	
STD		0010	23 75	36 60	24 95	0 030		50322	
OBS		0015	23 74	36 59	24 94			50323	
STD		0020	23 75	36 59	24 94	0 060		50327	
STD		0030	23 76	36 59	24 94	0 091		50333	
OBS		0030	23 76	36 59	24 94			50333	
STD		0050	23 71	36 61	24 97	0 151		50340	
OBS		0053	23 69	36 61	24 97			50340	

Consec. Sta. No. 29											SURFACE OBSERVATIONS			
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH			
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE						
00865	PG40	01	08	1961	06	26	21 N	056	59 E	0055	01			

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
11	04		19	30	0		01	2	3	01	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	23 95	36 60	24 89	0 000		50332
OBS	0000	23 95	36 60	24 89			50332
STD	0010	23 88	36 60	24 91	0 031		50332
STD	0020	23 82	36 60	24 93	0 061		50332
OBS	0028	23 78	36 60	24 94			50334
STD	0030	23 77	36 60	24 94	0 092		50334
STD	0050	23 72	36 61	24 96	0 152		50341
OBS	0053	23 72	36 61	24 96			50343

Consec. Sta. No. 30												SURFACE OBSERVATIONS			
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH				
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE							
00865	PG40	01	08	1961	09	26	21 N	056	59 E	0055	01				

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	32		17	30	0		02	4	2	54	1			6		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	24 12	36 59	24 83	0 000		50345
OBS	0000	24 12	36 59	24 83			50345
STD	0010	23 88	36 60	24 91	0 031		50332
OBS	0015	23 80	36 60	24 93			50328
STD	0020	23 78	36 60	24 94	0 061		50329
STD	0030	23 76	36 61	24 95	0 092		50333
OBS	0030	23 76	36 61	24 95			50333
STD	0050	23 77	36 60	24 94	0 152		50345
OBS	0053	23 77	36 60	24 94			50346

SURFACE OBSERVATIONS											
Consec. Sta. No. 31		DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	08	1961	13	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	32		16	27	8		03	4	6	32	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	23 96	36 58	24 87	0 000		50332
OBS	0000	23 96	36 58	24 87			50332
STD	0010	23 90	36 59	24 89	0 031		50333
STD	0020	23 84	36 60	24 92	0 061		50334
OBS	0025	23 82	36 60	24 93			50335
STD	0030	23 80	36 61	24 94	0 092		50337
STD	0050	23 74	36 63	24 97	0 152		50343
OBS	0053	23 74	36 63	24 97			50345

Consec. Sta. No. 32		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	08	1961	16	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	34		17	21	2		01	4	6	34	1			7		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	23	92	36	58	24	88	0 000		50329
	OBS	0000	23	92	36	58	24	88			50329
STD		0010	23	91	36	58	24	88	0 031		50333
	OBS	0015	23	90	36	58	24	89			50335
STD		0020	23	90	36	58	24	89	0 062		50338
STD		0030	23	86	36	58	24	90	0 092		50340
	OBS	0030	23	86	36	58	24	90			50340
STD		0050	23	67	36	62	24	99	0 153		50337
	OBS	0052	23	64	36	63	25	00			50337
	OBS	0052	23	64	36	63	25	00			50337

Consec. Sta. No. 33		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	08	1961	19	26	21' N	056	59' E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	10		17	21	1		01	5	3	10	1			7		

SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓	
STD		0000	23 89	36 59	24 90	0 000			50327
	OBS	0000	23 89	36 59	24 90				50327
STD		0010	23 89	36 59	24 90	0 031			50332
STD		0020	23 86	36 60	24 91	0 061			50336
	OBS	0026	23 84	36 60	24 92				50337
STD		0030	23 82	36 60	24 93	0 092			50338
STD		0050	23 68	36 62	24 98	0 152			50338
	OBS	0052	23 66	36 62	24 99				50338

Consec. Sta. No. 34				SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH		
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	PG40	01	08	1961	22	26	21	N	056	59	E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	09		17	20	6			01	4	5	00	0		7		

		SUBSURFACE OBSERVATIONS							
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _l ↓	
STD		0000	23 88	36 60	24 91	0 000		50326	
OBS		0000	23 88	36 60	24 91			50326	
STD		0010	23 86	36 59	24 91	0 031		50330	
OBS		0015	23 85	36 59	24 91			50332	
STD		0020	23 87	36 59	24 90	0 061		50336	
STD		0030	23 88	36 59	24 90	0 092		50342	
OBS		0030	23 88	36 59	24 90			50342	
STD		0050	23 80	36 60	24 93	0 153		50347	
OBS		0052	23 79	36 60	24 93			50347	

Consec. Sta. No. 35		SURFACE OBSERVATIONS											
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH		
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	PG40	01	09	1961	01	26	21 N	056	59 E	0055	01		

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	17		17	20	6			02	4	6	00	0		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	v _l ↓
STD	OBS	0000	23	82	36	59	24	92	0 000		50321
		0000	23	82	36	59	24	92			50321
STD		0010	23	82	36	59	24	92	0 030		50327
STD		0020	23	81	36	60	24	93	0 061		50332
	OBS	0026	23	81	36	60	24	93			50335
STD		0030	23	81	36	60	24	93	0 091		50337
STD		0050	23	80	36	60	24	93	0 152		50347
	OBS	0052	23	80	36	60	24	93			50348

Consec. Sta. No. 36				SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH		
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	PG40	01	09	1961	04	26	21	N	056	59	E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	10		18	21	1		01	4	4	11	1			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _l ↓
STD		0000	23	89	36	58	24	89	0 000		50327
	OBS	0000	23	89	36	58	24	89			50327
STD		0010	23	88	36	58	24	89	0 031		50331
	OBS	0015	23	88	36	58	24	89			50334
STD		0020	23	88	36	59	24	90	0 061		50337
STD		0030	23	88	36	60	24	91	0 092		50343
	OBS	0030	23	88	36	60	24	91			50343
STD		0050	23	85	36	60	24	92	0 153		50351
	OBS	0052	23	84	36	60	24	92			50351

Consec. Sta. No. 37		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	09	1961	07	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	03		19	27	8			02	5	5	34	1		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ₀₀₀ ↓		σ _t ↓		Σ ΔD	O ₂ ml/l ↓	V _t ↓
STD	OBS	0000	24	02	36	59	24	86	0 000		50337
		0000	24	02	36	59	24	86			50337
STD		0010	23	97	36	59	24	87	0 031		50339
STD		0020	23	92	36	59	24	89	0 062		50340
	OBS	0026	23	90	36	59	24	89			50342
STD		0030	23	89	36	59	24	90	0 093		50343
STD		0050	23	82	36	60	24	93	0 154		50349
	OBS	0052	23	82	36	60	24	93			50350

Consec. Sta. No. 38		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	09	1961	10	26	21 N	056	58 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	36		17	25	6			02	4	5	36	1		7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C		S ‰		σ _t ↓	Σ ΔD	O ₂ ml/l	v _t ↓
STD		0000	24	12	36	59	24	83	0 000	50345
OBS		0000	24	12	36	59	24	83		50345
STD		0010	23	96	36	58	24	87	0 031	50337
OBS		0015	23	92	36	58	24	88		50337
STD		0020	23	92	36	58	24	88	0 062	50340
STD		0030	23	92	36	58	24	88	0 093	50345
OBS		0030	23	92	36	58	24	88		50345
STD		0050	23	91	36	58	24	88	0 155	50355
OBS		0053	23	91	36	58	24	88		50357

Consec. Sta. No. 39		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	09	1961	13	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	32		17	26	7			02	2	3	32	1		7		

		SUBSURFACE OBSERVATIONS							
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v ₁ ↓	
STD	OBS	0000	23 97	36 58	24 87	0 000		50333	
		0000	23 97	36 58	24 87			50333	
STD		0010	23 94	36 58	24 87	0 031		50336	
STD		0020	23 92	36 58	24 88	0 062		50340	
	OBS	0026	23 90	36 58	24 89			50341	
STD		0030	23 89	36 58	24 89	0 093		50343	
STD		0050	23 83	36 59	24 92	0 154		50349	
	OBS	0052	23 82	36 59	24 92			50349	

Consec. Sta. No. 40					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	09	1961	16	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	32		18	22	8			02	2	4	32	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000		36 59						
OBS	0000	24 20*	36 59	24 80*					
STD	0010		36 59						
OBS	0015	23 90	36 63*	24 92*					
STD	0020	23 90	36 59	24 89					
STD	0030	23 88	36 59	24 90					
OBS	0030	23 88	36 59	24 90					
STD	0050	23 83	36 60	24 92					
OBS	0052	23 82	36 60	24 93					

Consec. Sta. No. 41						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	09	1961	19	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	03		18	22	2			02	2	4	03	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	23 92	36 60	24 90	0 000		50330		
OBS	0000	23 92	36 60	24 90			50330		
STD	0010	23 89	36 61	24 91	0 031		50333		
STD	0020	23 87	36 62	24 93	0 061		50337		
OBS	0026	23 86	36 62	24 93			50340		
STD	0030	23 85	36 62	24 93	0 092		50341		
STD	0050	23 84	36 59	24 91	0 153		50350		
OBS	0052	23 84	36 59	24 91			50351		

Consec. Sta. No. 42						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	09	1961	22	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	04		17	20	6			02	0	04	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	23 80	36 59	24 92	0 000		50320		
OBS	0000	23 80	36 59	24 92			50320		
STD	0010	23 83	36 59	24 92	0 030		50328		
OBS	0015	23 84	36 59	24 91			50331		
STD	0020	23 84	36 59	24 91	0 061		50334		
STD	0030	23 84	36 59	24 91	0 092		50339		
OBS	0030	23 84	36 59	24 91			50339		
STD	0050	23 86	36 59	24 91	0 153		50351		
OBS	0052	23 86	36 59	24 91			50353		

Consec. Sta. No. 43						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	10	1961	01	26	21' N	056	59' E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	08		19	19	4			02	0	09	1			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD		0000	23	81	36	60	24	93	0 000		50321
OBS		0000	23	81	36	60	24	93			50321
STD		0010	23	81	36	61	24	94	0 030		50327
STD		0020	23	82	36	62	24	94	0 061		50333
OBS		0026	23	82	36	63	24	95			50337
STD		0030	23	82							
STD		0050	23	80							
OBS		0052	23	80							

Consec. Sta. No. 44		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG40	01	10	1961	04	26	21 N	056	59 E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	08		19	19	4			02	0	05	3			7		

SUBSURFACE OBSERVATIONS										
SAMPLE DEPTH (M)		T °C ↓	S ‰/‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	v_t ↓	↓
STD	0000	23 82								
OBS	0000	23 82								
STD	0010	23 81								
OBS	0015	23 80	36	60	24	93				
STD	0020	23 79	36	60	24	93				
STD	0030	23 78	36	60	24	94				
OBS	0030	23 78	36	60	24	94				
STD	0050	23 78	36	60	24	94				
OBS	0052	23 78	36	60	24	94				
					</					

Consec. Sta. No.45		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG43	01	10	1961	15	25°	01' N	056°	48' E	0265	02

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	10		20	21	7		03	4	9	10	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	24 02	36 55	24 83	0 000		50336
OBS	0000	24 02	36 55	24 83			50336
STD	0010	24 02	36 55	24 83	0 031		50341
OBS	0010	24 02	36 55	24 83			50341
OBS	0019	24 02	36 55	24 83			50346
STD	0020	24 02	36 55	24 83	0 063		50346
OBS	0029	24 02	36 54	24 82			50351
STD	0030	24 01	36 54	24 82	0 094		50351
OBS	0048	23 88	36 56	24 88			50351
STD	0050	23 87	36 56	24 88	0 157		50351
OBS	0072	23 76	36 55	24 91			50354
STD	0075	23 56	36 51	24 93	0 234		50358
STD	0100	22 12	36 25	25 15	0 308		50224
OBS	0107	21 78	36 20	25 21			50197
OBS	0148	20 34	36 08	25 51			50090
STD	0150	20 28	36 07	25 52	0 442		50085
OBS	0190	19 35	36 04	25 74			50022
STD	0200	19 17	36 06	25 81	0 562		50012
OBS	0248	18 64	36 30	26 12			49998

Consec. Sta. No. 46		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG42	01	10	1961	19	25	33 N	056	45 E	0101	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	16		22	22	2		02	5	7	17	4			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	23 83	36 54	24 88	0 000		50320
OBS	0000	23 83	36 54	24 88			50320
STD	0010	23 82	36 54	24 88	0 031		50325
OBS	0010	23 82	36 54	24 88			50325
STD	0020	23 81	36 55	24 89	0 062		50330
OBS	0020	23 81	36 55	24 89			50330
STD	0030	23 82	36 54	24 88	0 093		50336
OBS	0030	23 82	36 54	24 88			50336
STD	0050	23 80	36 54	24 89	0 154		50345
OBS	0050	23 80	36 54	24 89			50345
STD	0075	23 81	36 55	24 89	0 232		50359
OBS	0075	23 81	36 55	24 89			50359
STD	0100	25 06	39 20	26 52	0 290		50569
OBS	0100	25 06	39 20	26 52			50569

Consec. Sta. No. 47		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG41	01	11	1961	00	26	19 N	056	47 E	0091	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	11		21	21	1			02	8	2	12	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v ₁ ↓
	0000	23 80	36 63	24 95	0 000		50321
S	0000	23 80	36 63	24 95			50321
	0010	23 78	36 62	24 95	0 030		50325
S	0010	23 78	36 62	24 95			50325
	0020	23 79	36 61	24 94	0 060		50330
S	0025	23 80	36 61	24 94			50334
	0030	23 82	36 61	24 93	0 091		50338
S	0039	23 84	36 62	24 93			50345
	0050	23 83	36 71	25 01	0 151		50354
S	0059	23 82	36 78	25 06			50360
	0075	24 57	39 08	26 58	0 207		50513
S	0079	24 66	39 32	26 73			50531
S	0089	24 70	39 34	26 74			50540

SURFACE OBSERVATIONS											
Consec. Sta. No. 48		DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG37	01	11	1961	02	26	30 N	056	40 E	0082	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	04		22	21	1			02	6	4	04	1		7		

SUBSURFACE OBSERVATIONS								
SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v ₁ ↓
0000	23	86	36	64	24 94	0 000		50326
S 0000	23	86	36	64	24 94			50326
0010	23	86	36	64	24 94	0 030		50332
S 0010	23	86	36	64	24 94			50332
0020	23	86	36	64	24 94	0 060		50337
S 0020	23	86	36	64	24 94			50337
0030	23	88	36	64	24 94	0 091		50344
S 0030	23	88	36	64	24 94			50344
0049	23	86	36	65	24 95			50353
S 0050	23	87	36	65	24 95	0 152		50355
0059	23	95	36	69	24 96			50367
S 0075	28	04	38	47	25 01	0 227		50745
S 0079	29	82	39	25	25 00			50896

Consec. Sta. No. 49		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	OATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG36	01	11	1961	05	26	37 N	056	30 E	0077	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
11	06		23	20	0			02	4	6	06	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C		S ‰	σ _t	Σ ΔD	O ₂ ml/l
		↓	↓	↓	↓	↓	↓
STD	0000	23	66	36	64	25 00	0 000
OBS	0000	23	66	36	64	25 00	
STD	0010	23	66	36	63	25 00	0 030
OBS	0010	23	66	36	63	25 00	
STD	0020	23	64	36	64	25 01	0 059
OBS	0020	23	64	36	64	25 01	
STD	0030	23	66	36	63	25 00	0 089
OBS	0030	23	66	36	63	25 00	
OBS	0045	23	63	36	63	25 00	
STD	0050	23	68	36	74	25 07	0 148
OBS	0060	23	94	36	95	25 15	
STD	0075	24	69	38	64	26 21	0 208
OBS	0075	24	69	38	64	26 21	

Consec. Sta. No. 50		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG36	01	11	1961	08	26	37' N	056	30' E	0077	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
10	06		22	21	1			02	4	6	06	3		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C		S ‰	σ _t	Σ ΔD	O ₂ ml/l
		↓	↓	↓	↓	↓	↓
STD	0000	23	62	36	63	25 01	0 000
OBS	0000	23	62	36	63	25 01	
STD	0010	23	63	36	65	25 02	0 030
STD	0020	23	65	36	67	25 03	0 059
STD	0030	23	66	36	69	25 04	0 088
OBS	0038	23	67	36	70	25 05	
STD	0050	23	92	37	19	25 34	0 144
STD	0075	24	81	38	95	26 41	0 199
OBS	0075	24	81	38	95	26 41	

Consec. Sta. No. 51		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG36	01	11	1961	11	26	37' N	056	30' E	0077	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	15		20	27	8			02	8	3	15	1		7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓	$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD		0000	23	66	36	61	24 98	0 000		50309
OBS		0000	23	66	36	61	24 98			50309
STD		0010	23	65	36	62	24 99	0 030		50314
OBS		0015	23	64	36	62	24 99			50316
STD		0020	23	64	36	65	25 02	0 060		50320
STD		0030	23	64	36	78	25 12	0 089		50330
OBS		0030	23	64	36	78	25 12			50330
STD		0050	23	9*	37	37	25 46	0 143		50390
OBS		0050	23	98	37	37	25 46			50390
OBS		0060	23	98	37	52	25 57			50401
OBS		0065	24	06	37	62	25 63			50414
OBS		0070	24	44	38	23	25 97			50469
STD		0075	24	84	39	08	26 50	0 194		50534
OBS		0075	24	84	39	08	26 50			50534

Consec. Sta. No. 52		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG36	01	11	1961	14	26	37' N	056	30' E	0077	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	16		19	22	8			03	2	2	16	2		7		

		SUBSURFACE OBSERVATIONS							
		SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓
STD		0000	23 64	36 60	24 98	0 000			50307
OBS		0000	23 64	36 60	24 98				50307
STD		0010	23 69						
STD		0020	23 78						
STD		0030	23 90						
OBS		0038	24 03	37 32	25 41				50386
STD		0050	24 23						
STD		0075	24 92						
OBS		0075	24 92						

Consec. Sta. No. 53 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	PG36	01	11	1961	17	26 37 N	056 30 E	0077	01	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	18		20	21	7			00		0	16	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	23 66	36 61	24 98	0 000		50309
OBS	0000	23 66	36 61	24 98			50309
STD	0010	23 64	36 60	24 98	0 030		50313
OBS	0015	23 63	36 60	24 98			50315
STD	0020	23 63	36 61	24 99	0 060		50318
STD	0030	23 62	36 63	25 01	0 090		50323
OBS	0030	23 62	36 63	25 01			50323
STD	0050	24 06	37 59	25 60	0 143		50405
OBS	0050	24 06	37 59	25 60			50405
OBS	0060	24 69	39 04	26 51			50513
OBS	0065	24 85	39 19	26 58			50533
OBS	0070	24 94	39 49	26 78			50554
STD	0075	24 96	39 57	26 83	0 189		50561
OBS	0075	24 96	39 57	26 83			50561

Consec. Sta. No. 54 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	PG36	01	11	1961	20	26 37 N	056 30 E	0077	01	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	17		19	21	7			02		0	16	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	23 07	36 57	25 12	0 000		50260
OBS	0000	23 07	36 57	25 12			50260
STD	0010	23 12	36 58	25 12	0 029		50270
STD	0020	23 16	36 58	25 10	0 057		50279
STD	0030	23 08	36 59	25 14	0 086		50278
OBS	0038	23 25	36 59	25 09			50296
STD	0050	23 64					
STD	0075	24 96					
OBS	0075	24 96	39 66*	26 90*			

Consec. Sta. No. 55		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG36	01	11	1961	24	26	37' N	056	30' E	0077	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	16		19	21	7			03	8	3	16	2		7		

SUBSURFACE OBSERVATIONS										
	SAMPLE DEPTH (M)	T °C		S ‰/‰		σ_t		$\Sigma \Delta D$	O_2 ml/l	V_t
		↓		↓		↓		↓		↓
	0000	23	32	36	68	25	13	0 000		50285
S	0000	23	32	36	68	25	13			50285
	0010	23	32	36	67	25	13	0 028		50290
S	0014	23	32	36	66	25	12			50291
	0020	23	32	36	67	25	13	0 057		50295
S	0029	23	32	36	68	25	13			50300
	0030	23	35	36	71	25	15	0 085		50304
S	0048	23	83	37	16	25	35			50369
	0050	24	13	37	78	25	73	0 137		50417
	0058	24	82	39	24	26	62			50529
S	0063	24	85	39	34	26	69			50538
	0068	24	88	39	38	26	71			50544
S	0073	24	86	39	72	26	97			50558

Consec. Sta. No. 56		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG36	01	12	1961	02	26	37 N	056	30 E	0077	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	15		19	21	7			03	8	5	15	2		7		

SUBSURFACE OBSERVATIONS										
SAMPLE DEPTH (M)		T °C ↓		S ‰/‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD	0000	23	30	36	65	25	12	0 000		50282
OBS	0000	23	30	36	65	25	12			50282
STD	0010	23	31	36	66	25	12	0 029		50289
STD	0020	23	32	36	68	25	13	0 057		50295
STD	0030	23	32	36	69	25	14	0 086		50301
OBS	0036	23	33	36	70	25	15			50306
STD	0050			37	58					
OBS	0070			39	67					

Consec. Sta. No. 57					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG36	01	12	1961	05	26	37' N	056	30' E	0077	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	14		20	22	8			03	4	8	14	3		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD		0000	23	33	36	61	25	08	0 000		50283
	OBS	0000	23	33	36	61	25	08			50283
STD		0010	23	31	36	62	25	09	0 029		50287
	OBS	0015	23	30	36	62	25	09			50289
STD		0020	23	30	36	61	25	09	0 058		50291
STD		0030	23	31	36	60	25	08	0 087		50297
	OBS	0030	23	31	36	60	25	08			50297
STD		0050	23	36	36	63	25	08	0 145		50313
	OBS	0050	23	36	36	63	25	08			50313
	OBS	0060	23	62	36	80	25	14			50346
	OBS	0065	24	20	37	56	25	54			50422
	OBS	0070	24	77	38	84	26	34			50517
STD		0075	24	92	39	63	26	89	0 196		50560
	OBS	0075	24	92	39	63	26	89			50560

Consec. Sta. No. 58						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG44	01	12	1961	17	27	05 N	056	18 E		00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	30		18	18	3			50	6	8	30	1		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD		0000	20	94	37	14	26	16	0 000		50103
OBS		0000	20	94	37	14	26	16			50103
OBS		0005	20	90	37	11	26	15			50102
STD		0010	20	69	37	12	26	21	0 018		50086
OBS		0010	20	69	37	12	26	21			50086
OBS		0014	20	56	37	12	26	25			50077

Consec. Sta. No. 59					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG44	01	12	1961	19	27	05 N	056	18 E		00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	30		18	18	3			02	6	3	28	2		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	20	91	37	10	26	13	0 000			50099
OBS	0000	20	91	37	10	26	13				50099
OBS	0007	20	76	37	15	26	21				50092
STD	0010	20	66	37	15	26	24	0 018			50085
OBS	0014	20	50	37	12	26	26				50072

Consec. Sta. No. 60					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG44	01	12	1961	22	27	05' N	056	18' E		00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	04		18	18	3			02	6	3	00	0		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD	0000	20	44	37	11	26	27	0 000			50059
OBS	0000	20	44	37	11	26	27				50059
OBS	0005	20	78*	37	09	26	16*				
STD	0010	20	43	37	11	26	27	0 018			50063
OBS	0010	20	43	37	11	26	27				50063
OBS	0014	20	40	37	12	26	29				50063

Consec. Sta. No. 61		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG44	01	13	1961	01	27	05' N	056	18' E		00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	04		17	18	3			02	6	3	04	1		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	20	77	37	07	26	15	0 000			50086
OBS	0000	20	77	37	07	26	15				50086
OBS	0007	20	70	37	07	26	17				50084
STD	0010	20	67	37	08	26	19	0 019			50083
OBS	0014	20	63	37	09	26	20				50082

Consec. Sta. No. 62						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG44	01	13	1961	04	26	05 N	056	18 E		00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	06		18	18	9			03	6	7	06	2		7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓	$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD	0000	21	45	37	03	25	93	0 000		50143
OBS	0000	21	45	37	03	25	93			50143
OBS	0005	21	42	37	02	25	93			50143
STD	0010	21	01	37	08	26	09	0 020		50113
OBS	0010	21	01	37	08	26	09			50113
OBS	0014	20	81	37	07	26	14			50097

Consec. Sta. No. 63						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	13	1961	16	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	03		18	17	8			50	6	8	03	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	22	45	36	99	25	62	0	000
OBS	0000	22	45	36	99	25	62		
STD	0010	22	44	37	01	25	64	0	024
OBS	0010	22	44	37	01	25	64		
STD	0020	22	38	37	10	25	72	0	047
OBS	0020	22	38	37	10	25	72		
STD	0030	22	37	37	14	25	76	0	070
OBS	0030	22	37	37	14	25	76		
OBS	0040	22	42	37	18	25	77		
STD	0050	22	42	37	22	25	80	0	114
OBS	0050	22	42	37	22	25	80		

Consec. Sta. No. 64		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	13	1961	20	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	09		17	18	9			80	6	6	09	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	22	39	37	02	25	66	0	000
OBS	0000	22	39	37	02	25	66		
STD	0010	22	39	37	06	25	69	0	023
STD	0020	22	40	37	10	25	72	0	046
OBS	0025	22	40	37	12	25	73		
STD	0030	22	38	37	14	25	75	0	069
STD	0050	22	24	37	21	25	85	0	113
OBS	0050	22	24	37	21	25	85		

Consec. Sta. No. 65		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	13	1961	23	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	01		18	17	2			50	7	8	01	1		7		

SUBSURFACE OBSERVATIONS												
	SAMPLE DEPTH (M)	T °C		S ‰/‰		σ _t ↓		Σ ΔD	O ₂ ml/l	v _t ↓		
STD	0000	22	38	36	99	25	64	0 000		50220		
OBS	0000	22	38	36	99	25	64			50220		
STD	0010	22	42	37	02	25	65	0 024		50229		
OBS	0010	22	42	37	02	25	65			50229		
STD	0020	22	41	37	04	25	67	0 047		50235		
OBS	0020	22	41	37	04	25	67			50235		
STD	0030	22	38	37	13	25	75	0 070		50241		
OBS	0030	22	38	37	13	25	75			50241		
OBS	0040	22	34	37	14	25	77			50243		
STD	0050	22	24	37	20	25	84	0 115		50243		
OBS	0050	22	24	37	20	25	84			50243		

Consec. Sta. No. 66						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	14	1961	02	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
10	35		17	17	2			50	7	7	01	1		6		

SUBSURFACE OBSERVATIONS												
	SAMPLE DEPTH (M)	T °C		S ‰/‰		σ _t ↓		Σ ΔD	O ₂ ml/l	v _t ↓		
STD	0000	22	49	36	96	25	59	0 000		50228		
OBS	0000	22	49	36	96	25	59			50228		
STD	0010	22	49	36	96	25	59	0 024		50233		
STD	0020	22	49	36	96	25	59	0 048		50238		
OBS	0025	22	49	36	96	25	59			50241		
STD	0030	22	45	36	99	25	62	0 072		50242		
OBS	0049	22	16	37	17	25	84			50234		

Consec. Sta. No. 67					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	14	1961	05	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	04		19	17	8		01	7	6	04	1			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C		S ‰		σ_t		$\Sigma \Delta D$	O_2 ml/l	v_t
			↓		↓		↓	↓	↓	↓	
STD	0000	22	78	36	87	25	43	0	000		50248
OBS	0000	22	78	36	87	25	43				50248
STD	0010	22	78	36	85	25	42	0	026		50253
OBS	0010	22	78	36	85	25	42				50253
STD	0020	22	63	36	97	25	55	0	051		50250
OBS	0020	22	63	36	97	25	55				50250
STD	0030	22	47	37	00	25	62	0	075		50244
OBS	0030	22	47	37	00	25	62				50244
OBS	0040	22	23	37	13	25	79				50234
STD	0050	22	24	37	11	25	77	0	121		50239
OBS	0050	22	24	37	11	25	77				50239

Consec. Sta. No. 68		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	14	1961	09	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	06		19	23	3		01	8	5	06	2			7		

		SUBSURFACE OBSERVATIONS										
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓		O_2 ml/l ↓	V_t ↓
STD	OBS	0000	22	83	36	82	25	38	0	000		50250
		0000	22	83	36	82	25	38				50250
STD		0010	22	76	36	87	25	44	0	026		50252
STD		0020	22	66	36	93	25	51	0	051		50251
	OBS	0025	22	60	36	96	25	55				50250
STD		0030	22	54	36	99	25	59	0	075		50249
STD		0050	22	22	37	15	25	81	0	122		50239
	OBS	0050	22	22	37	15	25	81				50239

Consec. Sta. No. 69		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	14	1961	11	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	06		18	19	4		01	4	5	06	3			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ_t ↓	$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓		
STD	0000	22 88	36 86	25 40	0 000		50256		
OBS	0000	22 88	36 86	25 40			50256		
STD	0010	22 84	36 90	25 44	0 026		50259		
OBS	0010	22 84	36 90	25 44			50259		
STD	0020	22 52	37 00	25 61	0 050		50242		
OBS	0020	22 52	37 00	25 61			50242		
STD	0030	22 37	37 04	25 68	0 074		50237		
OBS	0030	22 37	37 04	25 68			50237		
OBS	0040	22 25	37 18	25 82			50238		
OBS	0049	22 24	37 19	25 83			50242		

Consec. Sta. No. 70		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	14	1961	14	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	06		19	20	0		01	8	3	07	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ_t ↓	$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓		
STD	0000	22 58	36 99	25 58	0 000		50236		
OBS	0000	22 58	36 99	25 58			50236		
STD	0010	22 60	36 99	25 58	0 024		50243		
STD	0020	22 61	37 00	25 58	0 048		50250		
OBS	0023	22 62	37 00	25 58			50252		
STD	0030	22 57	37 03	25 62	0 072		50253		
OBS	0049	22 30	37 20	25 82			50247		

Consec. Sta. No. 71		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG29	01	14	1961	17	26	34 N	055	48 E	0051	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	04		19	19	4		02	8	3	04	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ_t ↓	$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓		
STD	0000	22 44	37 00	25 63	0 000		50225		
OBS	0000	22 44	37 00	25 63			50225		
STD	0010	22 48	37 00	25 62	0 024		50234		
OBS	0010	22 48	37 00	25 62			50234		
STD	0020	22 34	37 08	25 72	0 047		50230		
OBS	0020	22 34	37 08	25 72			50230		
STD	0030	22 26	37 18	25 82	0 070		50233		
OBS	0030	22 26	37 18	25 82			50233		
OBS	0040	22 25	37 18	25 82			50238		
OBS	0049	22 26	37 20	25 83			50244		

Consec. Sta. No. 72		SURFACE OBSERVATIONS										SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	DATE				POSITION							
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	PG30	01	14	1961	21	26	20 N	055	51 E	0073	01		

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	05		19	21	7			03	9	8	02	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	22 96	37 39	25 78	0 000		50282		
OBS	0000	22 96	37 39	25 78			50282		
STD	0010	22 99	37 39	25 77	0 022		50290		
OBS	0010	22 99	37 39	25 77			50290		
STD	0020	22 96	37 40	25 78	0 045		50293		
OBS	0020	22 96	37 40	25 78			50293		
STD	0030	23 00	37 40	25 77	0 067		50302		
OBS	0030	23 00	37 40	25 77			50302		
STD	0050	23 30	37 71	25 92	0 111		50349		
OBS	0050	23 30	37 71	25 92			50349		
OBS	0070	24 12	39 92	27 35			50507		

Consec. Sta No. 73		SURFACE OBSERVATIONS										SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	DATE				POSITION							
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	PG30	01	15	1961	00	26	20' N	055	51' E	0073	01		

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	02		18	21	1			03	9	02	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	22 79	37 34	25 79	0 000		50267		
OBS	0000	22 79	37 34	25 79			50267		
STD	0010	22 82	37 35	25 79	0 022		50275		
STD	0020	22 86	37 35	25 78	0 044		50283		
STD	0030	22 81	37 36	25 80	0 067		50285		
OBS	0036	22 91	37 36	25 77			50296		
STD	0050	23 2*	38 08	26 21	0 107		50361		
OBS	0070	24 11	39 81	27 27			50502		

Consec. Sta. No. 74		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG30	01	15	1961	03	26	20 N	055	51 E	0073	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	04			19	4			50	6	7	04	2		6		

SUBSURFACE OBSERVATIONS												
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓		O ₂ ml/l ↓	v _i ↓
STD		0000	22	58	37	23	25	77	0	000		50245
	OBS	0000	22	58	37	23	25	77				50245
STD		0010	22	61	37	24	25	76	0	022		50253
	OBS	0015	22	62	37	25	25	77				50257
STD		0020	22	62	37	25	25	77	0	045		50260
STD		0030	22	61	37	24	25	76	0	067		50264
	OBS	0030	22	61	37	24	25	76				50264
	OBS	0040	22	62	37	24	25	76				50270
STD		0050	22	86	37	38	25	80	0	112		50301
	OBS	0050	22	86	37	38	25	80				50301
	OBS	0060	23	98	39	25	26	89				50466
	OBS	0070	24	13	39	70	27	18				50500

Conse. Sta. No. 75		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG30	01	15	1961	06	26	20 N	055	51 E	0073	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	02		22	18	9			60	6	8	01	1		7		

		SUBSURFACE OBSERVATIONS										
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓		O ₂ ml/l ↓	V _i ↓
STD		0000	22	55	37	21	25	76	0	000		50242
	OBS	0000	22	55	37	21	25	76				50242
		0010	22	56	37	21	25	76	0	022		50248
STD		0020	22	58	37	22	25	76	0	045		50256
STD		0030	22	59	37	22	25	75	0	068		50262
	OBS	0036	22	60	37	22	25	75				50266
STD		0050	23	05	37	98	26	20	0	109		50339
	OBS	0069	24	04	39	69	27	20				50492

SURFACE OBSERVATIONS											
Consec. Sta. No.76		DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG30	01	15	1961	09	26	20 N	055	51 E	0073	01

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR	AMT.		COL.	TRANS.
06	03		21	21	1			02	6	8	03	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	22 60	37 22	25 75	0 000		50246		
OBS	0000	22 60	37 22	25 75			50246		
STD	0010	22 61	37 22	25 75	0 023		50253		
OBS	0015	22 61	37 22	25 75			50255		
STD	0020	22 60	37 22	25 75	0 045		50257		
STD	0030	22 59	37 21	25 75	0 068		50261		
OBS	0030	22 59	37 21	25 75			50261		
OBS	0040	22 58	37 21	25 75			50266		
STD	0050	22 57	37 21	25 75	0 113		50270		
OBS	0050	22 57	37 21	25 75			50270		
OBS	0060	23 06	37 88	26 12			50341		
OBS	0070	23 90	39 45	27 06			50472		

Consec. Sta. No. 77		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG30	01	15	1961	12	26	20' N	055	51' E	0073	01

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR	AMT.		COL.	TRANS.
06	06		20	20	0			50	4	9	06	1		6		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	22 56	37 22	25 76	0 000		50243		
OBS	0000	22 56	37 22	25 76			50243		
STD	0010	22 56	37 22	25 76	0 022		50249		
STD	0020	22 57	37 23	25 77	0 045		50255		
OBS	0029	22 57	37 23	25 77			50260		
STD	0030	22 59	37 27	25 79	0 067		50264		
STD	0050	23 35	38 45	26 47	0 105		50381		
OBS	0061	24 01	39 50	27 07			50478		

Consec. Sta. No. 78		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG30	01	15	1961	15	26	20 N	055	51 E	0073	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	07		20	20	0			01	0	3	08	2		7		

SUBSURFACE OBSERVATIONS								
	SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓
STD	0000	22	80	37	45	25	87	0 000
OBS	0000	22	80	37	45	25	87	
STD	0010	22	81	37	39	25	82	0 022
OBS	0019	22	82	37	36	25	79	
STD	0020	22	82	37	36	25	79	0 044
STD	0030	22	82	37	36	25	79	0 066
OBS	0033	22	82	37	36	25	79	
OBS	0043	22	88	37	39	25	80	
STD	0050	23	09	37	59	25	89	0 110
OBS	0052	23	19	37	77	26	00	
OBS	0062	23	99	39	45	27	04	
OBS	0071	24	01	39	48	27	05	

Consec. Sta. No. 79		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG30	01	15	1961	18	26	20 N	055	51 E	0073	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	06		21	21	7			02	6	3	06	1		7		

SUBSURFACE OBSERVATIONS								
	SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓
STD	0000	22	76	37	36	25	81	0 000
OBS	0000	22	76	37	36	25	81	
STD	0010	22	78	37	44	25	87	0 022
STD	0020	22	86	37	52	25	90	0 043
STD	0030	23	00	37	48	25	83	0 065
OBS	0036	23	11	37	65	25	93	
STD	0050	23	44	38	24	26	28	0 104
OBS	0069	24	07	39	46	27	02	

Consec. Sta. No. 80					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG30	01	15	1961	21	26	20 N	055	51 E		01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	03		20	20	0		02	6	3	03	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	22 53	37 25	25 79	0 000		50242
OBS	0000	22 53	37 25	25 79			50242
STD	0010	22 54	37 24	25 78	0 022		50248
STD	0020	22 54	37 24	25 78	0 044		50253
OBS	0020	22 54	37 24	25 78			50253
STD	0030	22 54	37 25	25 79	0 067		50259
OBS	0035	22 54	37 25	25 79			50261
OBS	0045	22 74	37 43	25 87			50290
STD	0050	23 49	38 58	26 52	0 104		50397
OBS	0055	23 95	39 34	26 96			50464
OBS	0065	24 02	39 70	27 22			50488
STD	0075	24 01	39 72	27 23	0 135		50494
OBS	0075	24 01	39 72	27 23			50494

Consec. Sta. No. 81					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG30	01	16	1961	00	26	20 N	055	51 E	0073	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	01		19	20	6		00		0	01	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	22 39	37 21	25 80	0 000		50229
OBS	0000	22 39	37 21	25 80			50229
STD	0010	22 40	37 21	25 80	0 022		50235
STD	0020	22 41	37 21	25 80	0 044		50241
STD	0030	22 41	37 21	25 80	0 066		50247
OBS	0036	22 42	37 21	25 80			50251
STD	0050	22 91	37 94	26 21	0 107		50326
OBS	0070	24 06	39 70	27 20			50494

Consec. Sta. No. 82		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG45	01	16	1961	06	26	39 N	055	48 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	02		19	30	6		00		0	00	0			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓
STD	0000		22	31	36	85	25	55	0 000		50208
OBS	0000		22	31	36	85	25	55			50208
OBS	0005		22	30	36	85	25	56			50210
STD	0010		22	05	36	86	25	64	0 024		50193
OBS	0010		22	05	36	86	25	64			50193
OBS	0015		21	97	36	92	25	70			50191

Consec. Sta. No. 83		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG45	01	16	1961	09	26	39 N	055	48 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	03		20	28	3		02	8	2	03	0			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓
STD		0000	22	72	36	81	25	41	0 000		50241
OBS		0000	22	72	36	81	25	41			50241
OBS		0005	22	71	36	82	25	42			50243
STD		0010	22	44	36	85	25	52	0 025		50225
OBS		0010	22	44	36	85	25	52			50225
OBS		0015	22	02	36	87	25	65			50193

Consec. Sta. No. 84		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG45	01	16	1961	12	26	39 N	055	48 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	03		18	25	6		03	4	4	00	0			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C		S ‰/‰		σ _t	Σ ΔD	O ₂ ml/l	ν _t	↓
STD	0000	23	16	36	82	25	29	0 000			50277
OBS	0000	23	16	36	82	25	29				50277
OBS	0005	22	77	36	82	25	40				50248
STD	0010	22	41	36	83	25	51	0 026			50221
OBS	0010	22	41	36	87*	25	54*				
OBS	0015	22	37	36	85	25	54				50222

Consec. Sta. No. 85										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG45	01	16	1961	15	26	39 N	055 48 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	14		18	21	7		01		6	14	0			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓
STD	0000	22 85	36 85	25 40	0 000		50253
OBS	0000	22 85	36 85	25 40			50253
OBS	0005	21 81*	36 86	25 70*			
STD	0010	22 50	36 86	25 51	0 025		50230
OBS	0010	22 50	36 86	25 51			50230
OBS	0015	22 46	36 85	25 51			50229

Consec. Sta. No. 86										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG45	01	16	1961	18	26	39 N	055 48 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	32		18	21	1		80	4	6					7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓
STD	0000	22 67					
OBS	0000	22 67	37 01*	25 57*			
OBS	0005	22 60	36 85	25 47			
STD	0010	22 59	36 85	25 47			
OBS	0010	22 59	36 85	25 47			
OBS	0015	22 50	36 85	25 50			

Consec. Sta. No. 87										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG45	01	17	1961	01	26	39 N	055 48 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	33		17	20	0		63	4	8	33	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓
STD	0000	22 48	36 88	25 53	0 000		50224
OBS	0000	22 48	36 88	25 53			50224
OBS	0005	22 49	36 86	25 51			50226
STD	0010	22 50	36 85	25 50	0 025		50230
OBS	0010	22 50	36 85	25 50			50230
OBS	0015	22 50	36 84	25 49			50232

Consec. Sta. No. 88		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG45	01	17	1961	04	26	39 N	055	48 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	01		18	18	9			03	6	9	01	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓		
STD	0000	22 42	36 84	25 51	0 000		50217		
OBS	0000	22 42	36 84	25 51			50217		
OBS	0005	22 42	36 84	25 51			50220		
STD	0010	22 40	36 83	25 51	0 025		50221		
OBS	0010	22 40	36 83	25 51			50221		
OBS	0015	22 42							

Consec. Sta. No. 89		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG45	01	17	1961	07	26	39 N	055	48 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	02		18	18	3			02	4	5	02	1		6		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓		
STD	0000	22 66							
OBS	0000	22 66							
OBS	0005	22 69	36 84	25 44					
STD	0010	22 68	36 84	25 44					
OBS	0010	22 68	36 84	25 44					
OBS	0015	22 46	36 84	25 50					

Consec. Sta. No. 90		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG32	01	17	1961	07	26	30 N	056	11 E	0084	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	24		20	21	1			01	6	2	03	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓		
STD	0000	23 35	37 29	25 59	0 000		50310		
OBS	0000	23 35	37 29	25 59			50310		
STD	0010	23 78	37 98	25 98	0 022		50375		
OBS	0010	23 78	37 98	25 98			50375		
STD	0020	23 80	38 26	26 19	0 042		50393		
OBS	0020	23 80	38 26	26 19			50393		
STD	0030	23 90	38 53	26 36	0 059		50416		
OBS	0030	23 90	38 53	26 36			50416		
OBS	0044	24 15	39 77	27 23			50490		
STD	0050	24 20	40 08	27 45	0 083		50509		
OBS	0064	24 25	40 56	27 80			50538		
STD	0075	24 22	40 64	27 87	0 094		50545		
OBS	0084	24 16	40 70	27 93			50547		

Consec. Sta. No. 91										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG31	01	17	1961	12	26	05 N	055 55 E	0048	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	26		18	22	2		02	8	1	26	2			7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C		S ‰		σ _t	Σ ΔD	O ₂ ml/l	V _i
			↓		↓		↓	↓	↓	↓
STD		0000	23	00	37	38	25	76	0 000	50285
OBS		0000	23	00	37	38	25	76		50285
OBS		0005	22	95	37	37	25	76		50283
STD		0010	23	07	37	37	25	73	0 023	50296
OBS		0015	22	78*	37	37	25	81*		
STD		0020	23	23	37	63	25	88	0 045	50324
OBS		0025	23	27	37	84	26	03		50338
STD		0030	23	26	37	93	26	10	0 065	50343
OBS		0035	23	26	38	12	26	24		50353
OBS		0045	23	44	38	78	26	69		50397

Consec. Sta. No. 92										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG31	01	17	1961	15	26	05 N	055 55 E	0048	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	24		19	21	1		03		0	24	1			7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M.)	T °C		S ‰		σ _t	Σ ΔD	O ₂ ml/l	V _t
			↓		↓		↓	↓		↓
STD		0000	22	88	37	37	25	78	0 000	50275
OBS		0000	22	88	37	37	25	78		50275
STD		0010	22	95	37	45	25	83	0 022	50289
STD		0020	22	98	37	43	25	80	0 044	50296
OBS		0023	23	03	37	56	25	89		50307
STD		0030	23	19	37	98	26	16	0 064	50339
OBS		0043	23	62	39	21	26	96		50427

Consec. Sta. No. 93										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG31	01	17	1961	18	26	05 N	055 55 E	0048	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	24		20	20	0		03	8	2	00	0			7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C		S ‰		σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v _i ↓
STD		0000	22	85	37	41	25 82	0 000		50274
OBS		0000	22	85	37	41	25 82			50274
STD		0010	22	90	37	44	25 83	0 022		50285
OBS		0010	22	90	37	44	25 83			50285
STD		0020	23	10	37	76	26 02	0 042		50318
OBS		0020	23	10	37	76	26 02			50318
STD		0030	23	24	37	94	26 11	0 062		50342
OBS		0030	23	24	37	94	26 11			50342
OBS		0045	23	67	39	34	27 05			50437

Consec. Sta. No. 94		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG31	01	17	1961	21	26	05 N	055	55 E	0048	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	28		19	19	4			02	8	2	00	0		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	22 74	37 37	25 83	0 000			50264	
OBS	0000	22 74	37 37	25 83				50264	
STD	0010	22 95	37 48	25 85	0 022			50290	
STD	0020	23 15	37 75	25 99	0 043			50322	
OBS	0023	23 21	37 87	26 07				50333	
STD	0030	23 34	38 20	26 28	0 062			50360	
OBS	0044	23 60	39 11	26 89				50422	

Consec. Sta. No. 95		SURFACE OBSERVATIONS										SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	DATE				POSITION							
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	PG31	01	18	1961	01	26	05 N	055	55 E	0048	00		

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	25		19	19	4			01	6	5	25	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	22 74	37 39	25 84	0 000			50264	
OBS	0000	22 74	37 39	25 84				50264	
STD	0010	22 80	37 37	25 81	0 022			50274	
OBS	0010	22 80	37 37	25 81				50274	
STD	0020	22 88	37 41	25 82	0 044			50287	
OBS	0020	22 88	37 41	25 82				50287	
STD	0030	23 28	37 93	26 09	0 065			50345	
OBS	0030	23 28	37 93	26 09				50345	
OBS	0045	23 50	38 88	26 75				50406	

Consec. Sta. No. 96		SURFACE OBSERVATIONS										SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	DATE				POSITION							
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	PG31	01	18	1961	03	26° 05' N	055° 55' E			0048	00		

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	20		20	20	0			01	6	6	20	1		6		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	22 75	37 37	25 82	0 000			50264	
OBS	0000	22 75	37 37	25 82				50264	
STD	0010	22 80	37 39	25 82	0 022			50275	
STD	0020	22 79	37 40	25 83	0 044			50280	
OBS	0024	22 86	37 41	25 82				50288	
STD	0030	23 00	37 62	25 94	0 065			50310	
OBS	0045	23 55	38 47	26 42				50394	

Consec. Sta. No. 97 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG31	01	18	1961	06	26	05' N	055 55 E	0048	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	20		21	20	0			03	6	6	20	1		6		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	22 79					
OBS	0000	22 79	38 48*	26 65*			
STD	0010	22 76	37 36	25 81			
OBS	0010	22 76	37 36	25 81			
STD	0020	22 73	37 36	25 82			
OBS	0020	22 73	37 36	25 82			
STD	0030	23 30	37 88	26 05			
OBS	0030	23 30	37 88	26 05			
OBS	0045	23 47	38 69	26 61			

Consec. Sta. No. 98 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG31	01	18	1961	09	26	05' N	055 55 E	0048	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	21		19	21	1			02	6	4	21	1		6		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	22 80	37 33	25 78	0 000		50267
OBS	0000	22 80	37 33	25 78			50267
STD	0010	22 77	37 33	25 79	0 022		50270
STD	0020	22 73	37 32	25 79	0 044		50272
OBS	0024	22 72	37 32	25 79			50273
STD	0030	22 85	37 58	25 95	0 066		50297
OBS	0044	23 40	38 59	26 56			50387

Consec. Sta. No. 99 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG31	01	18	1961	12	26	05' N	055 55 E	0048	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	22		17	22	2			01	4	4	22	2		6		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	22 86	37 33	25 76	0 000		50272
OBS	0000	22 86	37 33	25 76			50272
STD	0010	22 78	37 34	25 79	0 022		50271
OBS	0010	22 78	37 34	25 79			50271
STD	0020	22 76	37 36	25 81	0 044		50276
OBS	0020	22 76	37 36	25 81			50276
STD	0030	23 38	38 52	26 51	0 063		50375
OBS	0030	23 38	38 52	26 51			50375
OBS	0045	23 56	39 14	26 93			50420

Consec. S _t a. No. 100		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG28	01	20	1961	06	26	17 N	055	30 E	0070	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	05		17	22	8			02	1	6	05	3		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ Δ D ↓	O ₂ ml/l ↓	V _l ↓
STD		0000	23	02	36	95	25	43	0 000		50271
OBS		0000	23	02	36	95	25	43			50271
STD		0010	23	03	36	94	25	41	0 026		50276
OBS		0010	23	03	36	94	25	41			50276
OBS		0019	23	00	36	95	25	43			50279
STD		0020	22	97	36	99	25	47	0 051		50279
OBS		0029	22	82	37	34	25	78			50285
STD		0030	22	84	37	36	25	79	0 075		50287
OBS		0048	23	23	38	24	26	34			50362
STD		0050	23	28	38	39	26	44	0 113		50373
OBS		0067	23	76	40	06	27	57			50483

Consec. S.a. No. 101		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG18	01	20	1961	22	24	50 N	053	28 E	0020	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	10		13	20	6			02	0	00	0			6		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _l ↓
STD		0000	21	62	41	60	29	37	0 000-		50333
	OBS	0000	21	62	41	60	29	37			50333
	OBS	0005	21	64	41	50	29	29			50333
STD		0010	21	64	41	45	29	25	0 011-		50334
	OBS	0010	21	64	41	45	29	25			50334
	OBS	0015	21	56	41	82	29	55			50344
STD		0020	21	53	41	90	29	62	0 023-		50348
	OBS	0020	21	53	41	90	29	62			50348

Consec. Sta. No. 102										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	PG18	01	21	1961	06	24 50' N	053 28 E	0020	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD TYPE	SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓				DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	17		17	22	2			03	1	6	16	1		7	

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	21 52	41 94	29 66	0 000-		50338		
OBS	0000	21 52	41 94	29 66			50338		
OBS	0005	21 54	41 91	29 63			50341		
STD	0010	21 51	42 07	29 76	0 015-		50347		
OBS	0010	21 51	42 07	29 76			50347		
OBS	0015	21 49	42 09	29 78			50349		
STD	0020	21 50	42 08	29 77	0 030-		50352		
OBS	0020	21 50	42 08	29 77			50352		

Consec. Sta. No. 103										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	PG18	01	21	1961	14	24 50' N	053 28 E	0020	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD TYPE	SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓				DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	09		12	26	7			00	0	09	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	22 01	41 54	29 21	0 000-		50363		
OBS	0000	22 01	41 54	29 21			50363		
OBS	0005	21 78	41 57	29 30			50348		
STD	0010	21 58	41 82	29 55	0 012-		50343		
OBS	0010	21 58	41 82	29 55			50343		
OBS	0015	21 52	41 95	29 66			50346		
STD	0020	21 53	41 97	29 68	0 026-		50350		
OBS	0020	21 53	41 97	29 68			50350		

Consec. Sta. No. 104										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	PG18	01	21	1961	22	24 50' N	053 28 E	0020	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD TYPE	SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓				DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	12		12	22	2			02	0	12	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	V _i		
STD	0000	21 84	41 38	29 14	0 000-		50343		
OBS	0000	21 84	41 38	29 14			50343		
OBS	0005	20 58	41 36	29 48					
STD	0010	21 70	41 52	29 28	0 010-		50342		
OBS	0010	21 70	41 52	29 28			50342		
OBS	0015	21 57	41 84	29 57			50346		
STD	0020	21 56	41 87	29 59	0 023-		50349		
OBS	0020	21 56	41 87	29 59			50349		

SURFACE OBSERVATIONS											
Consec. Sta. No. 105		DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG01	01	25	1961	11	26	28' N	051	20' E	0027	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
10	34		20	18	9			01	1	2	34	1		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD		0000	20	18	40	55	28	97	0 000-		50170
OBS		0000	20	18	40	55	28	97			50170
OBS		0005	20	19	40	55	28	96			50173
STD		0010	20	14	40	55	28	98	0 008-		50171
OBS		0015	20	10	40	55	28	99			50171
STD		0020	20	07	40	57	29	01	0 016-		50171
OBS		0025	20	04	40	60	29	04			50173

SURFACE OBSERVATIONS													
Consec. Sta. No. 106													
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH		
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	PG07	01	25	1961	18	26	52	N	051	48	E	0068	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
10	33		19	18	9			03	3	6	34	4		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD		0000	21	38	39	68	27	97	0 000		50239
OBS		0000	21	38	39	68	27	97			50239
STD		0010	21	42	39	80	28	05	0 001		50252
OBS		0010	21	42	39	80	28	05			50252
STD		0020	21	42	39	94	28	16	0 001		50263
OBS		0020	21	42	39	68*	27	96*			
STD		0030	21	57	40	10	28	24	0 001		50287
OBS		0030	21	57	40	10	28	24			50287
OBS		0045	21	56	40	38	28	45			50305
STD		0050	21	57	40	39	28	46	0 003-		50309
OBS		0065	21	58	40	42	28	48			50319

Consec. Sta. No. 107		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG07	01	26	1961	06	26	52' N	051	48' E	0068	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	33		20	27	2			03	1	6	33	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓
STD	0000	21 02	39 81	28 17	0 000-		50213
OBS	0000	21 02	39 81	28 17			50213
STD	0010	21 26	39 96	28 22	0 001-		50245
OBS	0010	21 26	39 96	28 22			50245
STD	0020	21 22	40 04	28 29	0 002-		50250
OBS	0020	21 22	40 04	28 29			50250
STD	0030	21 24	40 05	28 29	0 003-		50257
OBS	0030	21 24	40 05	28 29			50257
OBS	0045	21 46	40 33	28 44			50295
STD	0050	21 50	40 39	28 48	0 008-		50303
OBS	0065	21 54	40 45	28 51			50317

SURFACE OBSERVATIONS											
Consec. Sta. No. 108											
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG07	01	26	1961	18	26	52' N	051	48' E	0068	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	25		17	19	4			02	5	6	25	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	ν _t ↓
STD	0000	21 28	39 68	28 00	0 000		50230
OBS	0000	21 28	39 68	28 00			50230
STD	0010	21 26	39 72	28 03	0 001		50235
OBS	0010	21 26	39 72	28 03			50235
STD	0020	21 24	39 92	28 19	0 001		50247
OBS	0020	21 24	39 92	28 19			50247
STD	0030	21 22	40 02	28 27	0 000		50254
OBS	0030	21 22	40 02	28 27			50254
OBS	0045	21 36	40 17	28 35			50280
STD	0050	21 40	40 23	28 38	0 003-		50288
OBS	0065	21 52	40 46	28 53			50316

Consec. Sta. No. 109

SURFACE OBSERVATIONS

NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG03	01	27	1961	01	27° 16' N	051° 56' E		0051	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	15		15	21	1			02	6	3	15	0		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v _t ↓
STD	0000	21 78	39 03	27 36	0 000		50247
OBS	0000	21 78	39 03	27 36			50247
STD	0010	21 82	39 05	27 37	0 007		50257
OBS	0010	21 82	39 05	27 37			50257
STD	0020	21 80	39 15	27 45	0 014		50264
OBS	0020	21 80	39 15	27 45			50264
STD	0030	21 96	39 14	27 39	0 021		50283
OBS	0030	21 96	39 14	27 39			50283
STD	0050	22 44	40 05	27 95	0 030		50368
OBS	0050	22 44	40 05	27 95			50368

Consec. Sta. No. 110

SURFACE OBSERVATIONS

NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG04	01	27	1961	04	27	36' N	052	17' E	0060	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	04		16	21	1			03	6	2	00	0		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v _t ↓
STD	0000	21 86	39 07	27 37	0 000		50256
OBS	0000	21 86	39 07	27 37			50256
STD	0010	21 87	39 05	27 35	0 007		50261
OBS	0010	21 87	39 05	27 35			50261
STD	0020	21 89	39 06	27 35	0 015		50268
OBS	0020	21 89	39 06	27 35			50268
STD	0030	22 82	39 69	27 56	0 021		50374
OBS	0035	23 10	39 92	27 66			50408
STD	0050	23 16	40 25	27 89	0 029		50433
OBS	0050	23 16	40 25	27 89			50433
OBS	0060	22 88	40 31	28 02			50419

Consec. Sta. No. 111		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG05	01	27	1961	10	27°	17' N	052°	40' E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	27		14	22	2		00		0	27	1			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	v _t ↓
STD		0000	22	22	38	56	26	88	0 000		50266
OBS		0000	22	22	38	56	26	88			50266
STD		0010	21	81	38	57	27	00	0 011		50238
OBS		0010	21	81	38	57	27	00			50238
STD		0020	21	91	38	69	27	07	0 022		50256
OBS		0020	21	91	38	69	27	07			50256
STD		0030	23	05	40	11	27	82	0 028		50408
OBS		0030	23	05	40	11	27	82			50408
OBS		0040	23	05	40	20	27	89			50417
STD		0050	23	03	40	21	27	90	0 034		50421
OBS		0055	23	02	40	22	27	91			50424

Consec. Sta. No. 112						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG05	01	27	1961	23	27	17' N	052	40' E	0055	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	31		14	20	0		00		0	31	1			7		

SUBSURFACE OBSERVATIONS											
SAMPLE DEPTH (M)		T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓		O ₂ ml/l ↓	v _l ↓
STD	0000	21	57	38	47	26	99	0	000		50208
OBS	0000	21	57	38	47	26	99				50208
STD	0010	21	60	38	45	26	97	0	011		50215
OBS	0010	21	60	38	45	26	97				50215
STD	0020	21	90	38	68	27	06	0	021		50255
OBS	0020	21	90	38	68	27	06				50255
STD	0030	22	88	39	76	27	60	0	029		50382
OBS	0030	22	88	39	76	27	60				50382
OBS	0040	23	06	40	18	27	87				50417
STD	0050	23	04	40	23	27	91	0	036		50423
OBS	0055	22	96	40	26	27	96				50420

Consec. Sta. No. 113		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG05	01	28	1961	10	27	17 N	052	40 E	0055	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	30		13	19	4			02	1	5	30	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C		S ‰		σ _t	Σ ΔD	O ₂ ml/l	V _t
		↓	↓	↓	↓	↓	↓	↓	↓
STD	0000	21	66	38	44	26	95	0 000	50215
OBS	0000	21	66	38	44	26	95		50215
STD	0010	21	67	38	45	26	95	0 011	50221
OBS	0010	21	67	38	45	26	95		50221
STD	0020	21	98	38	85	27	17	0 021	50268
OBS	0020	21	98	38	85	27	17		50268
STD	0030	22	84	39	88	27	70	0 028	50383
OBS	0030	22	84	39	88	27	70		50383
OBS	0040	23	05	40	13	27	83		50415
STD	0050	22	98	40	24	27	94	0 034	50419
OBS	0050	22	98	40	24	27	94		50419

Consec. Sta. No. 114		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG06	01	29	1961	16	26	55' N	052	21' E	0077	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	31		14	19	4			03	4	7	31	3		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C		S ‰		σ _t	Σ ΔD	O ₂ ml/l	V _t
		↓	↓	↓	↓	↓	↓	↓	↓
STD	0000	21	44	39	49	27	81	0 000	50236
OBS	0000	21	44	39	49	27	81		50236
STD	0010	21	42	39	48	27	81	0 003	50240
OBS	0010	21	42	39	48	27	81		50240
STD	0020	21	47	39	53	27	83	0 006	50251
OBS	0020	21	47	39	53	27	83		50251
STD	0030	21	90	39	96	28	04	0 008	50309
OBS	0030	21	90	39	96	28	04		50309
OBS	0039	21	96	40	01	28	06		50321
STD	0050	21	97	40	03	28	07	0 010	50328
OBS	0054	21	97	40	05	28	08		50331
OBS	0074	22	34	40	26	28	14		50381

Consec. Sta. No. 115				SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG11	01	30	1961	04	26	22' N	052	28' E	0066	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
13	33		13	18	9			03	5	6	33	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	21 28	39 83	28 11	0 000		50236		
OBS	0000	21 28	39 83	28 11			50236		
STD	0010	21 26	39 76	28 06	0 000		50237		
OBS	0010	21 26	39 76	28 06			50237		
STD	0020	21 29	39 76	28 06	0 001		50245		
OBS	0020	21 29	39 76	28 06			50245		
STD	0030	21 30	39 77	28 06	0 002		50252		
OBS	0030	21 30	39 77	28 06			50252		
OBS	0040	21 44	39 95	28 16			50276		
STD	0050	21 46	40 10	28 27	0 001		50289		
OBS	0060	21 48	40 22	28 35			50300		

Consec. Sta. No. 116						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG08	01	30	1961	09	26 °	02' N	051 °	56' E	0033	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	31		13	20	0			03	5	3	30	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	20 96	40 07	28 39	0 000-		50218		
OBS	0000	20 96	40 07	28 39			50218		
STD	0010	20 99	40 06	28 37	0 002-		50226		
OBS	0010	20 99	40 06	28 37			50226		
OBS	0019	20 72	40 25	28 59			50215		
STD	0020	20 67	40 28	28 63	0 006-		50212		
STD	0030	19 98	40 72	29 15	0 013-		50175		
OBS	0032	19 80	40 84	29 29			50165		

Consec. Sta. No. 117					SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG10	01	30	1961	13	25	44' N	052	28' E	0046	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	31		12	19	4			02	5	8	31	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	21 55	40 12	28 26	0 000-		50270		
OBS	0000	21 55	40 12	28 26			50270		
STD	0010	21 54	40 13	28 27	0 001-		50275		
OBS	0010	21 54	40 13	28 27			50275		
STD	0020	21 56	40 16	28 29	0 003-		50283		
OBS	0020	21 56	40 16	28 29			50283		
STD	0030	21 55	40 14	28 27	0 004-		50287		
OBS	0035	21 54	40 12	28 26			50288		

Consec. Sta. No. 118		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG09	01	31	1961	04	25°	21' N	052°	36' E	0029	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	33		12	19	4			02	4	6	33	4		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	20 98	40 38	28 62	0 000-		50232
OBS	0000	20 98	40 38	28 62			50232
STD	0010	21 00	40 37	28 60	0 005-		50239
OBS	0010	21 00	40 37	28 60			50239
STD	0020	21 00	40 36	28 60	0 009-		50244
OBS	0020	21 00	40 36	28 60			50244
STD	0030	21 00	40 37	28 60	0 013-		50249
OBS	0030	21 00	40 37	28 60			50249

Consec. Sta. No. 119		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG09	01	31	1961	14	25°	21' N	052°	36' E	0029	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	33		12	20	0			01	1	2	33	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	20 90	40 39	28 65	0 000-		50225
OBS	0000	20 90	40 39	28 65			50225
OBS	0005	20 94	40 40	28 64			50232
STD	0010	20 94	40 40	28 64	0 005-		50235
OBS	0015	20 92	40 40	28 65			50236
STD	0020	20 90	40 44	28 68	0 010-		50238
OBS	0025	20 86	40 50	28 74			50240

Consec. Sta. No. 120		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG25	02	02	1961	11	25	38' N	055	18' E	0033	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	16		11	16	7			63	7	8	01	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	21 88	38 52	26 95	0 000		50236
OBS	0000	21 88	38 52	26 95			50236
STD	0010	21 96	38 56	26 95	0 011		50250
OBS	0010	21 96	38 56	26 95			50250
OBS	0019	22 58	40 34	28 13			50373
STD	0020	22 58	40 45	28 21	0 016		50378
OBS	0029	22 60	40 66	28 37			50393

Consec. Sta. No. 121										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG26	02	03	1961	05	26	03 N	055 09 E	0082	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	29		13	22	2			03	4	5	29	4		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	22 32	37 66	26 17	0 000		50240		
OBS	0000	22 32	37 66	26 17			50240		
STD	0010	22 36	37 66	26 15	0 019		50249		
OBS	0010	22 36	37 66	26 15			50249		
STD	0020	22 36	37 67	26 16	0 037		50254		
OBS	0020	22 36	37 67	26 16			50254		
OBS	0029	22 60	37 97	26 32			50290		
STD	0030	22 64	38 05	26 37	0 055		50297		
OBS	0044	23 02	39 01	26 99			50372		
STD	0050	23 14	39 27	27 15	0 081		50395		
OBS	0054	23 17	39 47	27 29			50407		
STD	0075	22 73	40 81	28 44	0 090		50434		
OBS	0078	22 58	41 04	28 66			50432		

Consec. Sta. No. 122										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG27	02	03	1961	09	26	26 N	055 01 E	0015	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	27		12	20	0			01	1	5	27	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	21 58	37 22	26 04	0 000		50161		
OBS	0000	21 58	37 22	26 04			50161		
OBS	0005	21 57	37 20	26 03			50162		
STD	0010	21 10	37 21	26 17	0 019		50125		
OBS	0010	21 10	37 21	26 17			50125		
OBS	0015	20 60	37 20	26 30			50084		

Consec. Sta. No. 123										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG22	02	06	1961	04	26	09' N	054 36' E	0088	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	08		18	20	5			02	8	2	08	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	21 98	38 32	26 76	0 000		50237		
OBS	0000	21 98	38 32	26 76			50237		
STD	0010	22 01	38 32	26 76	0 013		50245		
OBS	0010	22 01	38 32	26 76			50245		
STD	0020	21 98	38 32	26 76	0 026		50248		
OBS	0020	21 98	38 32	26 76			50248		
STD	0030	22 04	38 39	26 80	0 039		50261		
OBS	0030	22 04	38 39	26 80			50261		
OBS	0045	23 04	40 33	27 99			50424		
STD	0050	23 06	40 32	27 97	0 053		50428		
OBS	0060	23 08	40 31	27 96			50435		
STD	0075	23 08							
OBS	0085	23 08	38 39*	26 50*					

Consec. Sta. No. 124										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG22	02	06	1961	14	26	09' N	054 36' E	0088	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	07		17	25	6			00	0	07	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	22 04	38 17	26 63	0 000		50236		
OBS	0000	22 04	38 17	26 63			50236		
STD	0010	22 05	38 17	26 63	0 014		50242		
OBS	0015	22 05	38 17	26 63			50245		
STD	0020	22 05	38 20	26 65	0 028		50249		
OBS	0025	22 05	38 22	26 67			50252		
STD	0030	22 52	38 97	27 10	0 040		50322		
OBS	0035	22 84	39 54	27 44			50373		
OBS	0045	23 06	40 16	27 85			50419		
STD	0050	23 06	40 20	27 88	0 053		50423		
OBS	0060	23 06	40 26	27 93			50431		
STD	0075	23 07	40 32	27 97	0 058		50442		
OBS	0085	23 08	40 34	27 98			50449		

Consec. Sta. No. 125		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG23	02	06	1961	19	25°	41' N	054°	43' E		01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	06		18	25	6		00		0	07	3			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰/‰		σ _t	Σ ΔD	O ₂ ml/l	V _t	
STD	0000	21 80	39	34	27 59	0 000		50261	
ORS	0000	21 80	39	34	27 59			50261	
STD	0010	21 88	39	36	27 58	0 005		50274	
ORS	0010	21 88	39	36	27 58			50274	
STD	0020	21 98							
ORS	0020	21 98							
STD	0030	22 10							
ORS	0030	22 10							
ORS	0039	21 74							
STD	0050	21 67							
ORS	0054	21 64							

Consec. Sta. No. 126											SURFACE OBSERVATIONS			
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH			
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE						
00865	PG24	02	06	1961	22	25°	17' N	054°	57' E	0024	00			

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	08		18	20	6		00		0	08	3			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰/‰		σ _t	Σ ΔD	O ₂ ml/l	V _t	
STD	0000	20 84							
ORS	0000	20 84							
STD	0010	20 88							
ORS	0013	20 89							
STD	0020	20 90							
ORS	0023	20 90	41	44	29 45				

Consec. Sta. No. 127						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG20	02	07	1961	05	25°	20' N	054°	15' E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	10		19	21	7		00		0	01	2			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C	S ‰/‰		σ _t	Σ ΔD	O ₂ ml/l	V _t	
STD	0000	20 96	40	96	29 07	0 000-		50253	
ORS	0000	20 96	40	96	29 07			50253	
STD	0010	20 92	40	96	29 08	0 009-		50255	
ORS	0010	20 92	40	96	29 08			50255	
STD	0020	20 91	40	95	29 07	0 018-		50259	
ORS	0020	20 91	40	95	29 07			50259	
STD	0030	20 92	40	95	29 07	0 027-		50265	
ORS	0033	20 92	40	95	29 07			50267	

Consec. Sta. No. 128		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG20	02	07	1961	15	25°	20' N	054°	15' E	0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	13		17	25	0			00	0	00	0			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	21 16	40 81	28 89	0 000-		50264		
OBS	0000	21 16	40 81	28 89			50264		
STD	0010	21 13	40 80	28 90	0 007-		50266		
OBS	0010	21 13	40 80	28 90			50266		
STD	0020	20 96	40 89	29 01	0 015-		50261		
OBS	0020	20 96	40 89	29 01			50261		
STD	0030	20 95	40 96	29 07	0 024-		50268		
OBS	0033	20 95	40 98	29 08			50270		

Consec. Sta. No. 129		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG20	02	08	1961	03	25° 20' N		054° 15' E		0035	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	12		17	21	1			02	4	6	00	0		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	20 95	40 73	28 89	0 000-		50243		
OBS	0000	20 95	40 73	28 89			50243		
STD	0010	21 02	40 80	28 93	0 007-		50257		
OBS	0010	21 02	40 80	28 93			50257		
STD	0020	20 98	40 92	29 03	0 015-		50264		
OBS	0020	20 98	40 92	29 03			50264		
STD	0030	20 93	40 99	29 10	0 024-		50267		
OBS	0033	20 92	41 00	29 11			50269		

Consec. Sta. No. 130		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG21	02	08	1961	07	25° 50' N		054° 10' E		0073	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	15		20	25	0			01	4	6	07	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	21 65	40 03	28 16	0 000-		50275		
OBS	0000	21 65	40 03	28 16			50275		
STD	0010	21 59	40 04	28 19	0 000-		50276		
OBS	0010	21 59	40 04	28 19			50276		
STD	0020	21 57	40 05	28 20	0 001-		50280		
OBS	0020	21 57	40 05	28 20			50280		
STD	0030	21 52	40 05	28 21	0 002-		50281		
OBS	0030	21 52	40 05	28 21			50281		
OBS	0045	21 45	40 09	28 26			50285		
STD	0050	21 48	40 11	28 27	0 003-		50291		
OBS	0060	21 50	40 17	28 31			50300		
OBS	0070	21 47	40 26	28 39			50306		

Consec. Sta. No. 131 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG13	02	09	1961	04	26°	53' N	053° 26' E	0022	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	30		17	18	3			21	7	8	30	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	21 10	38 59	27 22	0 000		50173
OBS	0000	21 10	38 59	27 22			50173
OBS	0005	21 10	38 60	27 22			50176
STD	0010	21 14	38 61	27 22	0 009		50183
OBS	0010	21 14	38 61	27 22			50183
OBS	0015	21 12	38 63	27 24			50184
STD	0020	21 03	38 74	27 35	0 017		50184
OBS	0020	21 03	38 74	27 35			50184

Consec. Sta. No. 132 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG13	02	10	1961	04	26°	53' N	053° 26' E	0022	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	12		15	20	0			00		0	12	1		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	20 98	38 74	27 36	0 000		50168
OBS	0000	20 98	38 74	27 36			50168
OBS	0005	20 98	38 74	27 36			50171
STD	0010	20 99	38 76	27 38	0 007		50175
OBS	0010	20 99	38 76	27 38			50175
OBS	0015	21 02	38 75	27 36			50180
STD	0020	21 00	38 76	27 37	0 014		50182
OBS	0020	21 00	38 76	27 37			50182

Consec. Sta. No. 133 SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	PG13	02	11	1961	04	26°	53' N	053° 26' E	0022	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	35		17	17	8			02	5	4	00	0		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	21 14	38 74	27 32	0 000		50182
OBS	0000	21 14	38 74	27 32			50182
OBS	0005	21 14	38 75	27 33			50185
STD	0010	21 13	38 75	27 33	0 008		50187
OBS	0010	21 13	38 75	27 33			50187
OBS	0015	21 10	38 74	27 33			50187
STD	0020	21 06	38 77	27 37	0 015		50187
OBS	0020	21 06	38 77	27 37			50187

Consec. Sta. No. 134		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	PG13	02	12	1961	04	26° 53' N	053° 26' E	0022	00	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	32		18	20	6		00		0	32	1			7		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD		0000	21	18	38	72	27	29	0 000		50185
OBS		0000	21	18	38	72	27	29			50185
OBS		0005	21	18	38	70	27	28			50187
STD		0010	21	20	38	72	27	29	0 008		50192
OBS		0010	21	20	38	72	27	29			50192
OBS		0015	21	18	38	73	27	30			50193
STD		0020	21	16	38	75	27	32	0 016		50195
OBS		0020	21	16	38	75	27	32			50195

Consec. Sta. No. 135		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	PG12	02	12	1961	13	26° 51' N	053° 00' E	0080	01	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID-ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	30		15	23	3		02		0	30	1			7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓
STD	0000	21	54	38	77	27	23	0 000		50217
OBS	0000	21	54	38	77	27	23			50217
STD	0010	21	50	38	77	27	24	0 008		50219
OBS	0010	21	50	38	77	27	24			50219
STD	0020	21	35	38	77	27	28	0 017		50212
OBS	0020	21	35	38	77	27	28			50212
STD	0030	21	46	38	93	27	38	0 024		50233
OBS	0030	21	46	38	93	27	38			50233
OBS	0045	21	73	39	45	27	70			50283
STD	0050	22	17	39	71	27	77	0 035		50333
OBS	0059	22	70	40	02	27	85			50393
STD	0075	22	68	40	03	27	86	0 043		50400
OBS	0079	22	68	40	03	27	86			50402

Consec. Sta. No. 136						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG14	02	16	1961	00	26	39' N	053	28' E	0086	01

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
10	32		12	21	1		00		0	32	2			7		

SUBSURFACE OBSERVATIONS										
SAMPLE DEPTH (M)		T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓
STD	0000	21	61	38	52	27	02	0 000		50214
OBS	0000	21	61	38	52	27	02			50214
OBS	0009	21	57	38	55	27	06			50216
STD	0010	21	58	38	58	27	08	0 010		50219
OBS	0018	21	64	38	76	27	20			50235
STD	0020	21	64	38	79	27	22	0 020		50237
OBS	0027	21	63	38	92	27	32			50245
STD	0030	21	57	39	09	27	47	0 027		50248
OBS	0045	21	55	38	52*	27	04*			
STD	0050	21	76	39	90	28	03	0 035		50306
OBS	0068	22	39	40	19	28	07			50379
STD	0075	22	59	40	19	28	01	0 038		50399
OBS	0077	22	64	40	18	27	99			50403

Consec. Sta. No. 137						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG15	02	16	1961	04	26 °	11' N	053 °	28' E	0080	01

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
10	32		14	20	0		00		0	32	3			7		

		SUBSURFACE OBSERVATIONS													
		SAMPLE DEPTH (M)		T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓		O ₂ ml/l ↓		v _i ↓	
STD		0000		21	82	38	79	27	17	0	000				50241
OBS		0000		21	82	38	79	27	17						50241
STD		0010		21	88	38	85	27	20	0	009				50254
OBS		0010		21	88	38	85	27	20						50254
OBS		0019		21	94	39	56	27	72						50291
STD		0020		21	95	39	58	27	73	0	015				50293
OBS		0029		22	06	39	75	27	83						50314
STD		0030		22	09	39	76	27	83	0	019				50317
OBS		0043		22	22	39	90	27	90						50340
STD		0050		21	83	39	92	28	03	0	023				50313
OBS		0068		21	26	39	98	28	23						50277
STD		0075		21	20	40	00	28	26	0	023				50276
OBS		0077		21	20	40	01	28	27						50278

Consec. Sta. No. 138						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG16	02	16	1961	07	25°	49' N	053°	25' E	0062	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	31		16	22	8		00		0	31	3			7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ Δ D ↓	O ₂ ml/l ↓	v _t ↓		
STD	0000	21	70	39	70	27	89	0 000		50266
OBS	0000	21	70	39	70	27	89			50266
STD	0010	21	66	39	70	27	91	0 002		50268
OBS	0010	21	66	39	70	27	91			50268
STD	0020	21	66	39	70	27	91	0 004		50274
OBS	0020	21	66	39	70	27	91			50274
STD	0030	21	62	39	72	27	93	0 006		50277
OBS	0030	21	62	39	72	27	93			50277
OBS	0040	21	32	39	95	28	19			50266
STD	0050	21	06	40	09	28	37	0 006		50254
OBS	0050	21	06	40	09	28	37			50254
OBS	0060	21	04	40	10	28	39			50258

Consec. Sta. No. 139						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG17	02	16	1961	18	25°	19' N	053°	25' E	0037	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	31		14	19	4		00		0	31	1			7		

		SUBSURFACE OBSERVATIONS							
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	γ _t ↓	
STD	0000	20	88	40	42	28	67	0 000-	50225
OBS	0000	20	88	40	42	28	67		50225
OBS	0005	20	88	40	42	28	67		50228
STD	0010	20	90	40	42	28	67	0 005-	50232
OBS	0015	20	91	40	42	28	67		50235
STD	0020	20	89	40	45	28	69	0 010-	50238
OBS	0025	20	87	40	46	28	71		50239
STD	0030	20	86	40	46	28	71	0 016-	50241
OBS	0035	20	86	40	46	28	71		50244

Consec. Sta. No. 140		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	PG18	02	16	1961	20	25° 07' N	053° 27' E	0026	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	30		15	19	4		00		0	30	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	20 74					
OBS	0000	20 74	37 33*	26 36*			
OBS	0009	20 76	40 57	28 82			
STD	0010	20 69	40 67	28 92			
OBS	0014	20 53	40 93	29 16			
OBS	0019	20 54	40 96	29 18			
STD	0020	20 54	40 96	29 18			
OBS	0023	20 52	40 96	29 19			

Consec. Sta. No. 141		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	PG46	02	18	1961	09	26° 54' N	056° 24' E	0030	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	27		13	24	4		00		0	27	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	21 76	36 73	25 62	0 000		50158
OBS	0000	21 76	36 73	25 62			50158
STD	0010	21 56	36 72	25 67	0 024		50146
OBS	0010	21 56	36 72	25 67			50146
STD	0020	21 54	36 73	25 68	0 047		50150
OBS	0020	21 54	36 73	25 68			50150
STD	0030	21 54	36 73	25 68	0 070		50155
OBS	0030	21 54	36 73	25 68			50155

Consec. Sta. No. 142		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	PG35	02	19	1961	06	26° 47' N	056° 33' E	0057	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	29		17	24	5		00		0	29	1			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	21 70	36 81	25 70	0 000		50156
OBS	0000	21 70	36 81	25 70			50156
STD	0010	21 68	36 76	25 66	0 023		50158
OBS	0010	21 68	36 76	25 66			50158
STD	0020	21 70	36 76	25 66	0 047		50165
OBS	0020	21 70	36 76	25 66			50165
STD	0030	21 70	36 75	25 65	0 070		50170
OBS	0030	21 70	36 75	25 65			50175
OBS	0045	21 67	36 76	25 67			50176
STD	0050	21 64	36 78	25 69	0 117		50177
OBS	0055	21 62	36 81	25 72			50179

Cons-c. Sta. No. 1113						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG35	02	20	1961	06	26°	47' N	056°	33' E	0057	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	34		16	25	6			00		0	00	0		7		

SUBSURFACE OBSERVATIONS										
	SAMPLE DEPTH (M)	T °C		S ‰		σ _t		Σ ΔD	O ₂ ml/l	V _t
		↓		↓		↓		↓		↓
	0000	22	28	36	74	25	48	0 000		50202
S	0000	22	28	36	74	25	48			50202
	0010	22	14	36	73	25	51	0 025		50195
S	0010	22	14	36	73	25	51			50195
	0020	22	12	36	74	25	52	0 050		50199
	0020	22	12	36	74	25	52			50199
	0030	21	79	36	75	25	62	0 074		50177
	0030	21	79	36	75	25	62			50177
S	0045	21	68	36	75	25	66			50176
	0050	21	66	36	76	25	67	0 121		50177
S	0055	21	66	36	78	25	68			50181

Consec. Sta. No. <u>1114</u>		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	PG35	02	20	1961	18	26°	47' N	056°	33' E	0057	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	26		13	22	2			02	8	2	26	3		7		

SUBSURFACE OBSERVATIONS										
	SAMPLE DEPTH (M)	T °C		S ‰		σ _t		Σ ΔD	O ₂ ml/l	V _t
		↓		↓		↓		↓	↓	↓
STD	0000	22	32	36	76	25	48	0 000		50206
OBS	0000	22	32	36	76	25	48			50206
STD	0010	22	24	36	76	25	51	0 025		50205
OBS	0010	22	24	36	76	25	51			50205
STD	0020	22	08	36	75	25	54	0 050		50196
OBS	0020	22	08							
STD	0030	21	84	36	74	25	60	0 074		50181
OBS	0030	21	84	36	74	25	60			50181
STD	0045	21	70	36	74	25	64			50177
OBS	0050	21	66	36	76	25	67	0 122		50177
STD	0055	21	63	36	78	25	69			50178

Consec. Sta. No. 145		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	AS36	02	24	1961	12	21° 30' N		066° 21' E	2212	19

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	03		12	25	0		00		0	03	3			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	24 31	36 20	24 48	0 000		50346		
OBS	0000	24 31	36 20	24 48			50346		
STD	0010	24 31	36 21	24 48	0 035		50351		
OBS	0012	24 30	36 22	24 49			50352		
STD	0020	24 19	36 27	24 57	0 065		50349		
OBS	0024	24 12	36 29	24 60			50347		
STD	0030	23 94	36 29	24 66	0 102		50336		
OBS	0040	23 68	36 28	24 72			50320		
STD	0050	23 43	36 26	24 78	0 167		50305		
OBS	0060	23 28	36 24	24 81			50297		
STD	0075	23 32	36 39	24 91	0 246		50314		
OBS	0081	23 33	36 42	24 93			50319		
STD	0100	23 04	36 37	24 98	0 322		50304		
OBS	0101	23 01	36 36	24 98			50302		
OBS	0122	22 00	36 10	25 07			50220		
STD	0150	19 43	35 78	25 52	0 461		49998		
OBS	0162	18 64	35 71	25 67			49929		
STD	0200	17 38	35 78	26 04	0 575		49832		
OBS	0202	17 32	35 78	26 05			49827		
OBS	0245	16 07	35 89	26 43			49731		
STD	0250	16 05	35 89	26 44	0 668		49732		
STD	0300	15 66	35 91	26 54	0 750		49720		
OBS	0340	15 08	35 92	26 68			49683		
OBS	0395	13 90	36 92*	27 71*					
STD	0400	13 83	35 84	26 89	0 894		49580		
STD	0500	12 50	35 72	27 07	1 015		49484		
OBS	0529	12 16	35 69	27 11			49460		
STD	0600	11 46	35 65	27 21	1 122		49417		
OBS	0668	10 84							
STD	0800	10 01	35 54	27 39	1 311		49352		
STD	1000	08 71	35 41	27 51	1 477		49298		
OBS	1125	07 88	35 33	27 57			49259		
STD	1200	07 30	35 27	27 61	1 624		49224		
STD	1500	05 26	35 06	27 71	1 814		49114		
OBS	1532	05 07	35 04	27 72			49106		
OBS	1908	03 25	34 83	27 75			49056		

Consec. Sta. No. 146		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS53	02	25	1961	05	20° 30' N	068° 32' E	2889	28	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS
07	06		14	25	0		00		0	06	4			7		

SUBSURFACE OBSERVATIONS													
SAMPLE DEPTH (M)		T °C	S ‰	σ _t	Σ ΔD	O ₂ ml/l	v _t						
		↓	↓	↓	↓	↓	↓						
STD	0000	25 12	35 91	24 01	0 000		50398						
OBS	0000	25 12	35 91	24 01			50398						
STD	0010	25 12	35 90	24 01	0 039		50403						
OBS	0015		35 90										
STD	0020	25 04	35 93	24 05	0 078		50403						
STD	0030	24 86	35 96	24 13	0 117		50396						
OBS	0030	24 86	35 96	24 13			50396						
STD	0050	24 24	35 96	24 32	0 191		50358						
OBS	0050	24 24	35 96	24 32			50358						
STD	0075	23 88	35 92	24 39	0 281		50342						
OBS	0075	23 88	35 92	24 39			50342						
STD	0100	21 91	35 62	24 73	0 367		50182						
OBS	0100	21 91	35 62	24 73			50182						
OBS	0125	20 42	35 53	25 07			50063						
STD	0150	19 00	35 44	25 38	0 515		49945						
OBS	0150	19 00	35 44	25 38			49945						
STD	0200	17 48	35 78	26 01	0 633		49842						
OBS	0200	17 48	35 78	26 01			49842						
STD	0250	15 47	35 75	26 46	0 726		49668						
OBS	0250	15 47	35 75	26 46			49668						
STD	0300	14 98	35 92	26 70	0 802		49651						
OBS	0300	14 98	35 92	26 70			49651						
STD	0400	13 28	35 78	26 96	0 936		49518						
OBS	0400	13 28	35 78	26 96			49518						
STD	0500	12 47	35 73	27 08	1 053		49481						
OBS	0562	11 97	35 69	27 15			49457						
STD	0600	11 65	35 66	27 19	1 161		49439						
OBS	0753	10 44	35 55	27 32			49378						
STD	0800	10 15	35 53	27 36	1 356		49368						
OBS	0944	09 14	35 44	27 46			49321						
STD	1000	08 62	35 39	27 50	1 525		49286						
OBS	1136	07 50	35 29	27 60			49216						
STD	1200	07 08	35 25	27 62	1 670		49195						
OBS	1426	05 71	35 10	27 69			49135						
STD	1500	05 24	35 05	27 71	1 858		49111						
OBS	1912	03 26	34 86	27 77			49061						
STD	2000	03 03	34 84	27 78	2 121		49077						
OBS	2302	02 39	34 80	27 80			49154						
STD	2500	02 10	34 78	27 81	2 343		49223						
OBS	2839	01 82	34 76	27 82			49374						

Consec. Sta. No. 147		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS61	02	26	1961	00	19°	30' N	070°	30' E	0083	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	32		11	24	4		00		0	32	2			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	25 14	35 59	23 76	0 000		50387		
OBS	0000	25 14	35 59	23 76			50387		
STD	0010	25 13	35 58	23 76	0 041		50392		
OBS	0010	25 13	35 58	23 76			50392		
STD	0020	25 12	35 60	23 78	0 083		50397		
OBS	0020	25 12	35 60	23 78			50397		
STD	0030	25 12	35 59	23 77	0 124		50402		
OBS	0030	25 12	35 59	23 77			50402		
OBS	0045	25 02	35 62	23 82			50404		
STD	0050	24 80	35 60	23 88	0 206		50389		
OBS	0060	24 42	35 57	23 97			50363		
STD	0075	23 98	35 54	24 08	0 306		50335		
OBS	0080	23 87	35 54	24 11			50329		

Consec. Sta. No. 148		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS60	02	26	1961	08	19°	32' N	071°	30' E	0067	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	02		12	28	3		00		0	02	2			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	24 92	35 51	23 77	0 000		50368		
OBS	0000	24 92	35 51	23 77			50368		
STD	0010	24 69	35 50	23 83	0 041		50355		
OBS	0010	24 69	35 50	23 83			50355		
STD	0020	24 72	35 50	23 82	0 082		50362		
OBS	0020	24 72	35 50	23 82			50362		
STD	0030	24 68	35 50	23 84	0 123		50365		
OBS	0030	24 68	35 50	23 84			50365		
OBS	0040	24 68	35 75*	24 03*					
STD	0050	24 58	35 51	23 87	0 204		50368		
OBS	0050	24 58	35 51	23 87			50368		
OBS	0065	24 22	35 53	24 00			50349		

Consec. Sta. No. 149		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY.	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS59	03	14	1961	06	19°	32' N	072°	26' E	0023	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	16		12	28	3			01	5	6	16	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ Δ D ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	25 82	35 62	23 58	0 000		50440		
OBS	0000	25 82	35 62	23 58			50440		
OBS	0005	25 66	35 63	23 64			50431		
STD	0010	25 23	35 61	23 75	0 042		50400		
OBS	0010	25 23	35 61	23 75			50400		
OBS	0015	25 21	35 62	23 77			50402		
STD	0020	25 20	35 62	23 77	0 084		50404		
OBS	0022	25 20	35 62	23 77			50405		

Consec. Sta. No. 150		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS58	03	14	1961	10	20°	15' N	072°	30' E	0040	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	35		09	30	0			02	1	6	35	1		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ Δ D ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	26 76	35 65	23 30	0 000		50511		
OBS	0000	26 76	35 65	23 30			50511		
OBS	0005		35 62						
STD	0010	24 47	35 61	23 98	0 043		50342		
OBS	0010	24 47	35 61	23 98			50342		
OBS	0019	24 02	35 60	24 11			50311		
STD	0020	24 02	35 60	24 11	0 081		50311		
OBS	0029	24 00	35 60	24 12			50314		
STD	0030	24 00	35 60	24 12	0 120		50315		
OBS	0039	23 94	35 60	24 13			50315		

Consec. Sta. No. 151		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS56	03	14	1961	15	20°	30' N	071°	30' E	0026	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	30		10	27	2			00	0	30	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ Δ D ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	25 02	34 90	23 28	0 000		50353		
OBS	0000	25 02	34 90	23 28			50353		
OBS	0005	24 99	34 90	23 29			50353		
STD	0010	23 94	34 88	23 59	0 045		50273		
OBS	0010	23 94	34 88	23 59			50273		
OBS	0015	23 96	34 90	23 60			50278		
STD	0020	23 96	34 90	23 60	0 088		50280		
OBS	0025	23 95	34 90	23 60			50282		

Consec. Sta. No. 152		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	A555	03	14	1961	21	20° 30' N		070° 30' E		0052	00

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	36		11	26	7		00		0	36	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	25 36	35 68	23 77	0 000		50408		
OBS	0000	25 36	35 68	23 77			50408		
STD	0010	25 04	35 67	23 86	0 041		50388		
OBS	0010		35 67						
STD	0020	24 56	35 63	23 97	0 081		50355		
OBS	0020	24 56	35 63	23 97			50355		
STD	0030	23 92	35 56	24 11	0 120		50307		
OBS	0030	23 92	35 56	24 11			50307		
OBS	0040	23 87	35 56	24 12			50309		
STD	0050	23 87	35 56	24 12	0 196		50314		
OBS	0050	23 87	35 56	24 12			50314		

Consec. Sta. No. 153		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	A554	03	15	1961	02	20° 30' N		069° 25' E		0123	01

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	03		10	27	2		02			03	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	25 56	36 01	23 95	0 000		50435		
OBS	0000	25 56	36 01	23 95			50435		
STD	0010	25 56	36 00	23 95	0 040		50440		
OBS	0010	25 56	36 00	23 95			50440		
STD	0020	25 56	36 02	23 96	0 079		50446		
OBS	0020	25 56	36 02	23 96			50446		
STD	0030	25 21	36 00	24 05	0 119		50424		
OBS	0030	25 21	36 00	24 05			50424		
STD	0050	24 52	35 95	24 22	0 195		50380		
OBS	0050	24 52	35 95	24 22			50380		
OBS	0074	24 54	36 09*	24 32*					
STD	0075	24 51	35 90	24 19	0 288		50391		
OBS	0099	23 12	35 88	24 57			50296		

Consec. Sta. No. 154		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS53	03	15	1961	06	20°	30' N	068°	32' E	2944	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	36		14	28	9			03	4	6	36	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C		S ‰	σ _t		Σ ΔD	O ₂ ml/l	v _t
STD	0000	25	86	36	03	23	87	0 000	50458
OBS	0000	25	86	36	03	23	87		50458
STD	0010	25	74	36	02	23	90	0 040	50454
OBS	0010	25	74	36	02	23	90		50454
STD	0020	25	60	36	01	23	94	0 080	50449
OBS	0020	25	60	36	01	23	94		50449
OBS	0029	25	04	35	97	24	08		50409
STD	0030	25	00	35	97	24	09	0 119	50407
OBS	0049	24	32	36	01	24	33		50366
STD	0050	24	31	36	02	24	34	0 194	50366
OBS	0073	23	69	36	08	24	57		50331
STD	0075	23	54	36	05	24	59	0 281	50319
OBS	0097	22	04	35	79	24	83		50198
STD	0100	21	84	35	76	24	86	0 363	50182
OBS	0146	19	31	35	50	25	34		49974
STD	0150	19	17	35	52	25	39	0 508	49964
OBS	0194	17	74	35	76	25	94		49863
STD	0200	17	56	35	79	26	00	0 626	49850
OBS	0243	16	33	35	94	26	41		49758
STD	0250	16	13	35	94	26	46	0 719	49742
OBS	0292	15	05	35	94	26	70		49655
STD	0300	14	87	35	94	26	74	0 796	49640
OBS	0390	13	37	35	82	26	97		49524

Consec. Sta. No. 155		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS52	03	15	1961	11	20° 30' N	067° 30' E	3017	04	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	03		12	28	3		03	5	3	03	3			7		

SUBSURFACE OBSERVATIONS										
SAMPLE DEPTH (M)		T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	v _t ↓
STD	0000	26	40	35	94	23	64	0 000		50495
OBS	0000	26	40	35	94	23	64			50495
STD	0010	26	25	35	93	23	68	0 042		50489
OBS	0010	26	25	35	93	23	68			50489
STD	0020	26	18	35	93	23	70	0 085		50489
OBS	0020	26	18	35	93	23	70			50489
STD	0030	25	20	36	00	24	06	0 125		50423
OBS	0030	25	20	36	00	24	06			50423
STD	0050	24	50	36	10	24	34	0 200		50384
OBS	0050	24	50	36	10	24	34			50384
STD	0075	24	11	36	20	24	54	0 288		50370
OBS	0075	24	11	36	20	24	54			50370
STD	0100	23	87	36	34	24	71	0 372		50370
OBS	0100	23	87	36	34	24	71			50370
STD	0150	19	97	35	73	25	34	0 521		50044
OBS	0150	19	97	35	73	25	34			50044
STD	0200	17	64	35	71	25	92	0 643		49854
OBS	0200	17	64	35	71	25	92			49854
STD	0250	16	32	35	96	26	43	0 739		49762
OBS	0250	16	32	35	96	26	43			49762
STD	0300	15	20	35	98	26	70	0 817		49676
OBS	0300	15	20	35	98	26	70			49676
STD	0400	13	52	35	82	26	94	0 951		49546
OBS	0400	13	52	35	82	26	94			49546

Consec. Sta. No. 156		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS51	03	15	1961	17	20° 29' N		066° 30' E		2360	23

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	01		15	26	7			03	5	3	01	3		7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C		S ‰		σ _t ↓	Σ ΔD	O ₂ ml/l	V _t ↓
			↓		↓				↓	
STD		0000	26	48	36	02	23	67	0 000	50504
OBS		0000	26	48	36	02	23	67		50504
STD		0010	25	67	36	05	23	95	0 041	50450
OBS		0010	25	67	36	05	23	95		50450
STD		0020	25	28	35	99	24	02	0 080	50424
OBS		0020	24	99*	35	99	24	11*		
STD		0030	25	03	36	10	24	18	0 119	50414
OBS		0030	25	03	36	10	24	18		50414
STD		0050	24	98	36	10	24	20	0 194	50421
OBS		0050	24	98	36	39*	24	42*		
STD		0075	23	53	36	10	24	63	0 282	50320
OBS		0075	23	53	36	10	24	63		50320
STD		0100	22	74	36	14	24	89	0 363	50271
OBS		0100	22	74	36	14	24	89		50271
STD		0150	19	73	35	82	25	48	0 505	50026
OBS		0150	19	73	35	82	25	48		50026
STD		0200	17	93	35	88	25	98	0 622	49889
OBS		0200	17	93	35	88	25	98		49889
STD		0250	16	42	36	01	26	44	0 716	49774
OBS		0250	16	42	36	01	26	44		49774
STD		0300	15	33	36	02	26	70	0 794	49691
OBS		0300	15	33	36	02	26	70		49691
STD		0400	13	41	35	83	26	97	0 927	49534
OBS		0400	13	41	35	83	26	97		49534
OBS		0419	13	23	35	82	27	00		49525
STD		0500	12	51	35	74	27	08	1 043	49486
OBS		0518	12	36	35	73	27	10		49478
STD		0600	11	78	35	68	27	18	1 152	49455
OBS		0715	10	96	35	61	27	28		49420
STD		0800	10	36	35	57	27	35	1 348	49394
OBS		0913	09	54	35	50	27	44		49355
STD		1000	08	89	35	44	27	50	1 519	49321
OBS		1111	08	08	35	37	27	57		49278
STD		1200	07	42	35	30	27	62	1 667	49241
OBS		1408	06	03	35	15	27	69		49169
STD		1500	05	46	35	09	27	71	1 858	49142
OBS		1903	03	48	34	90	27	78		49088
STD		2000	03	13	34	87	27	79	2 119	49092
OBS		2300	02	34	34	82	27	82		49147

Consec. Sta. No. 157						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS50	03	16	1961	00	20° 29' N		065° 26' E		3292	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ▼	WET ▼			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	02		13	26	7		00		0	02	2			7		

SUBSURFACE OBSERVATIONS												
		SAMPLE DEPTH (M)	T °C		S ‰/‰		σ _t		Σ ΔD		O ₂ ml/l	V _t
			↓		↓		↓		↓		↓	↓
STD	0000		26	02	36	22	23	97	0	000		50477
OBS	0000		26	02	36	22	23	97				50477
STD	0010		26	01	36	22	23	97	0	040		50482
OBS	0010		26	01	36	22	23	97				50482
STD	0020		24	88	36	35	24	42	0	077		50406
OBS	0020		24	88	36	35	24	42				50406
OBS	0029		24	60	36	36	24	51				50390
STD	0030		24	57	36	37	24	53	0	112		50388
OBS	0049		24	14	36	50	24	75				50370
STD	0050		24	13	36	50	24	76	0	178		50369
OBS	0073		23	89	36	50	24	83				50363
STD	0075		23	72	36	46	24	85	0	258		50349
OBS	0097		21	96	36	07	25	06				50202
STD	0100		21	75	36	05	25	10	0	333		50185
OBS	0146		19	05	35	87	25	69				49964
STD	0150		18	87	35	88	25	74	0	464		49950
OBS	0195		17	28	35	94	26	19				49826
STD	0200		17	22	35	98	26	23	0	568		49824
OBS	0244		16	44	36	16	26	55				49779
STD	0250		16	26	36	15	26	59	0	653		49763
OBS	0294		15	09	36	05	26	78				49664
STD	0300		14	95	36	04	26	80	0	725		49653
OBS	0392		13	29	35	83	26	99				49517

Consec. Sta. No. 158		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS49	03	16	1961	06	20° 29' N		064° 27' E		3091	29

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	03		15	28	9			00		0	03	2		7		

SUBSURFACE OBSERVATIONS																
	SAMPLE DEPTH (M)	T °C		S ‰		σ_t		$\Sigma \Delta D$		O_2 ml/l		χ_l				
		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
STD	0000	26	14	36	48	24	13	0	000					50495		
OBS	0000	26	14	36	48	24	13							50495		
OBS	0009	25	82	36	45	24	20							50475		
STD	0010	25	69	36	45	24	24	0	037					50466		
OBS	0018	24	94	36	42	24	45							50412		
STD	0020	24	86	36	41	24	47	0	072					50407		
OBS	0027	24	64	36	38	24	51							50392		
STD	0030	24	64	36	40	24	53	0	108					50395		
OBS	0046	24	46	36	46	24	63							50392		
STD	0050	24	29	36	45	24	67	0	175					50380		
OBS	0069	23	72	36	42	24	82							50344		
STD	0075	23	67	36	45	24	86	0	256					50345		
OBS	0091	23	54	36	46	24	90							50343		
STD	0100	22	87	36	33	25	00	0	332					50289		
OBS	0137	20	40	35	95	25	40							50084		
STD	0150	19	55	35	87	25	56	0	470					50012		
OBS	0183	17	99	35	79	25	90							49882		
STD	0200	17	70	35	88	26	04	0	583					49867		
OBS	0229	17	20	36	01	26	26							49839		
STD	0250	16	89	36	12	26	42	0	677					49825		
OBS	0275			36	19											
STD	0300	16	01	36	07	26	59	0	758					49762		
OBS	0355	14	78	36	01	26	82							49663		
OBS	0368	14	45	36	04	26	91							49637		
STD	0400	13	91	35	95	26	96	0	897					49593		
STD	0500	12	53	35	74	27	08	1	015					49488		
OBS	0514	12	37	35	72	27	09							49477		
STD	0600	11	77	35	66	27	16	1	124					49453		
OBS	0674	11	22	35	61	27	23							49428		
STD	0800	10	17	35	53	27	36	1	321					49370		
OBS	0836	09	89	35	51	27	39							49356		
STD	1000	08	74	35	41	27	50	1	491					49301		
OBS	1004	08	71	35	41	27	51							49300		
STD	1200	07	22	35	27	27	62	1	638					49214		
OBS	1263			35	23											
STD	1500	05	30	35	07	27	72	1	826					49120		
OBS	1715	04	21	34	95	27	75							49086		
STD	2000	03	19	34	87	27	79	2	087					49100		
OBS	2372	02	30	34	80	27	81							49181		
STD	2500	02	11	34	78	27	81	2	310					49225		
OBS	2900	01	89	34	76	27	81							49419		

Consec. Sta. No. 159		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS48	03	16	1961	14	20° 30' N		063° 29' E		3268	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
02	33		12	26	1			00		0	33	2		7		

SUBSURFACE OBSERVATIONS													
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓		↓	Σ ΔD	↓	O ₂ ml/l ↓	V _t ↓
STD		0000	26	49	36	48	24	02	0	000			50521
OBS		0000	26	49	36	48	24	02					50521
STD		0010	26	03	36	47	24	15	0	038			50492
OBS		0010	26	03	36	47	24	15					50492
STD		0020	24	86	36	40	24	46	0	075			50406
OBS		0020	24	86	36	40	24	46					50406
STD		0030	24	48	36	39	24	57	0	109			50382
OBS		0030	24	48	36	39	24	57					50382
STD		0050	24	30	36	48	24	69	0	176			50382
OBS		0050	24	30	36	48	24	69					50382
STD		0075	24	10	36	51	24	77	0	257			50381
OBS		0075	24	10	36	51	24	77					50381
STD		0100	22	90	36	32	24	98	0	335			50291
OBS		0100	22	90	36	32	24	98					50291
STD		0150	20	09	35	94	25	47	0	475			50063
OBS		0150	20	09	35	94	25	47					50063
STD		0200	17	86	35	75	25	90	0	594			49877
OBS		0200	17	86	35	75	25	90					49877
STD		0250	16	82	35	98	26	33	0	693			49812
OBS		0250	16	82	35	98	26	33					49812
STD		0300	15	95	36	07	26	60	0	776			49756
OBS		0300	15	95	36	07	26	60					49756
STD		0400	13	83	35	87	26	91	0	916			49581
OBS		0400	13	83	35	87	26	91					49581

Consec. Sta. No. 160		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS47	03	16	1961	20	20° 26' N	062° 31' E	4206	35	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	12		12	26	1		00		0	12	1			7		

		SUBSURFACE OBSERVATIONS						
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	26 15	36 42	24 08	0 000		50494
OBS		0000	26 15	36 42	24 08			50494
STD		0010	26 15	36 42	24 08	0 038		50499
OBS		0010	26 15	36 42	24 08			50499
STD		0020	25 09	36 38	24 38	0 076		50423
OBS		0020	25 09	36 38	24 38			50423
STD		0030	24 74	36 38	24 48	0 111		50402
OBS		0030	24 74	36 38	24 48			50402
STD		0050	24 49	36 37	24 55	0 180		50393
OBS		0050	24 49	36 37	24 55			50393
STD		0075	24 38	36 40	24 61	0 264		50399
OBS		0075	24 38	36 40	24 61			50399
STD		0100	23 40	36 43	24 92	0 345		50336
OBS		0100	23 40	36 43	24 92			50336
STD		0150	20 64	36 04	25 40	0 488		50116
OBS		0150	20 64	36 04	25 40			50116
STD		0200	17 90	35 83	25 95	0 607		49884
OBS		0200	17 90	35 83	25 95			49884
STD		0250	16 77	36 01	26 36	0 705		49808
OBS		0250	16 77	36 01	26 36			49808
STD		0300	15 56	36 20	26 79	0 782		49722
OBS		0300	15 56	36 20	26 79			49722
STD		0400	13 85	35 88	26 92	0 914		49584
OBS		0400	13 85	35 88	26 92			49584
STD		0500	11 90	35 70	27 17	1 028		49416
OBS		0500	11 90	35 70	27 17			49416
STD		0600	11 55	35 67	27 21	1 131		49429
OBS		0700	11 08	35 63	27 27			49427
STD		0800	10 47	35 60	27 36	1 324		49409
OBS		0900	09 80	35 54	27 43			49381
STD		1000	09 03	35 45	27 48	1 496		49339
OBS		1100	08 29	35 37	27 54			49299
STD		1200	07 61	35 29	27 58	1 649		49265
OBS		1300	06 92	35 21	27 62			49228
STD		1500	05 42	35 08	27 71	1 846		49136
OBS		1600	04 80	35 02	27 74			49106
STD		2000	03 31	34 88	27 78	2 112		49118
OBS		2100	03 02	34 85	27 79			49132
STD		2500	02 29	34 80	27 81	2 339		49251
OBS		2900	01 84	34 76	27 81			49412
STD		3000	01 77	34 75	27 81	2 550		49458
OBS		3500	01 70	34 74	27 81			49733

Consec. Sta. No. 161 SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS46	03	17	1961	03	20° 31' N	061° 30' E	3475	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	22		12	26	7		00		0	22	1			7		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	26	26	36	47	24	08	0 000		50504
	OBS	0000	26	26	36	47	24	08			50504
STD		0010	26	18	36	46	24	10	0 038		50503
	OBS	0010	26	18	36	46	24	10			50503
STD		0020	25	21	36	38	24	34	0 076		50433
	OBS	0020	25	21	36	38	24	34			50433
STD		0030	24	72	36	38	24	48	0 111		50403
	OBS	0030	24	75	36	38	24	48			50403
STD		0050	24	50	36	42	24	59	0 179		50395
	OBS	0050	24	50	36	42	24	59			50395
STD		0075	24	16	36	34	24	63	0 264		50379
	OBS	0075	24	16	36	34	24	63			50379
STD		0100	23	17	36	26	24	86	0 345		50311
	OBS	0100	23	17	36	26	24	86			50311
STD		0150	20	58	35	92	25	33	0 491		50106
	OBS	0150	20	58	35	92	25	33			50106
STD		0200	18	35	35	89	25	88	0 614		49929
	OBS	0200	18	35	35	89	25	88			49929
STD		0250	17	09	35	87	26	18	0 717		49834
	OBS	0250	17	09	35	87	26	18			49834
STD		0300	16	00	36	03	26	56	0 805		49759
	OBS	0300	16	00	36	03	26	56			49759
STD		0400	14	10	35	88	26	86	0 949		49610
	OBS	0400	14	10	35	88	26	86			49610

Consec. Sta. No. 162		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS45	03	17	1961	09	20° 31' N		060° 28' E		3475	34

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.	VIS.	COL. TRANS.
04	03		12	27	2		03	6	2	03	2			7	

SUBSURFACE OBSERVATIONS															
	SAMPLE DEPTH (M)	T °C		S ‰/‰		σ _t		Σ ΔD		O ₂ ml/l		V _t			
		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
STD	0000	26	65	36	42	23	92	0	000			50531			
OBS	0000	26	65	36	42	23	92					50531			
STD	0010	26	34	36	41	24	01	0	040			50513			
OBS	0010	26	34	36	41	24	01					50513			
OBS	0019	26	22	36	41	24	05					50509			
STD	0020	26	16	36	41	24	07	0	078			50505			
OBS	0029	25	64	36	41	24	23					50471			
STD	0030	25	57	36	41	24	25	0	116			50466			
OBS	0048	24	63	36	43	24	55					50405			
STD	0050	24	60	36	43	24	56	0	187			50404			
OBS	0072	24	26	36	44	24	67					50389			
STD	0075	24	01	36	39	24	71	0	271			50369			
OBS	0096	22	43	36	09	24	94					50241			
STD	0100	22	23	36	08	24	99	0	349			50226			
OBS	0145	19	90	35	92	25	51					50043			
STD	0150	19	57	35	88	25	56	0	487			50014			
OBS	0193	17	36	35	68	25	97					49822			
STD	0200	17	17	35	69	26	02	0	600			49808			
OBS	0241	16	16	35	78	26	33					49734			
STD	0250	16	07	35	90	26	44	0	694			49734			
OBS	0290			36	26										
STD	0300	15	54	36	23	26	82	0	769			49721			
OBS	0388	14	36	36	00	26	90					49636			
STD	0400	14	12	35	96	26	92	0	899			49616			
OBS	0478	12	85	35	76	27	03					49512			
STD	0500	12	63	35	73	27	05	1	019			49499			
OBS	0576	11	93	35	66	27	13					49458			
STD	0600	11	79	35	65	27	15	1	131			49455			
OBS	0766	10	72	35	57	27	29					49418			
STD	0800	10	48	35	56	27	32	1	333			49408			
OBS	0958	09	30	35	47	27	46					49349			
STD	1000	08	94	35	43	27	48	1	508			49327			
OBS	1151	07	73	35	29	27	56					49253			
STD	1200	07	40	35	26	27	59	1	660			49237			
OBS	1440	05	89	35	11	27	67					49167			
STD	1500	05	51	35	08	27	70	1	857			49148			
OBS	1929	03	32	34	88	27	78					49079			
STD	2000	03	14	34	86	27	78	2	124			49093			
STD	2500	02	16	34	76	27	79	2	352			49231			
OBS	2721	01	89	34	76	27	81					49317			
STD	3000	01	82												
OBS	3418	01	71	34	44*	27	57*								

Consec. Sta. No. 163						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS44	03	17	1961	16	20°	30' N	059°	30' E	2487	24

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY °	WET °			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	25		10	26	1		00		0	00	0			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	26 32	36 43	24 03	0 000		50507		
OBS	0000	26 32	36 43	24 03			50507		
STD	0010	25 89	36 43	24 17	0 03E		50480		
OBS	0010	25 89	36 43	24 17			50480		
STD	0020	25 44	36 41	24 29	0 075		50451		
OBS	0020	25 44	36 41	24 29			50451		
STD	0030	24 57	36 37	24 53	0 111		50388		
OBS	0030	24 57	36 37	24 53			50388		
STD	0050	23 85	36 47	24 82	0 177		50346		
OBS	0050	23 85	36 47	24 82			50346		
STD	0075	23 60	36 47	24 89	0 255		50340		
OBS	0075	23 60	36 47	24 89			50340		
STD	0100	22 98	36 35	24 98	0 331		50299		
OBS	0100	22 98	36 35	24 98			50299		
STD	0150	19 56	35 94	25 61	0 468		50016		
OBS	0150	19 56	35 94	25 61			50016		
STD	0200	17 96	36 05	26 10	0 579		49898		
OBS	0200	17 96	36 05	26 10			49898		
STD	0250	16 10	35 87	26 41	0 671		49736		
OBS	0250	16 10	35 87	26 41			49736		
STD	0300	15 33	35 98	26 67	0 750		49689		
OBS	0300	15 33	35 98	26 67			49689		
STD	0400	13 58	35 83	26 93	0 886		49553		
OBS	0400	13 58	35 83	26 93			49553		
STD	0500	12 60	35 75	27 07	1 005		49496		
OBS	0500	12 60	35 75	27 07			49496		
STD	0600	11 78	35 66	27 16	1 115		49454		
OBS	0600	11 78	35 66	27 16			49454		
STD	0800	10 50	35 47	27 25	1 322		49407		
OBS	0800	10 50	35 47	27 25			49407		
STD	1000	09 06	35 47	27 50	1 504		49343		
OBS	1000	09 06	35 47	27 50			49343		
STD	1200	07 45	35 33	27 63	1 651		49246		
OBS	1200	07 45	35 33	27 63			49246		
STD	1500	05 38	35 06	27 70	1 840		49130		
OBS	1500	05 38	35 06	27 70			49130		
STD	2000	03 13	34 86	27 78	2 106		49092		
OBS	2000	03 13	34 86	27 78			49092		
OBS	2450		34 80						

Consec. Sta. No. 164		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS43	03	17	1961	23	21°	30' N	059°	39' E	1682	16

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	26		10	26	1			00		0	26	2		7		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	25	81	36	45	24	21	0 000		50470
OBS		0000	25	81	36	45	24	21			50470
STD		0010	25	80	36	44	24	20	0 037		50474
OBS		0010	25	80	36	44	24	20			50474
STD		0020	25	44	36	44	24	31	0 074		50452
OBS		0020	25	44	36	40*	24	28*			
STD		0030	24	96	36	44	24	46	0 110		50421
OBS		0030	24	96	36	44	24	46			50421
STD		0050	24	57	36	43	24	57	0 178		50401
OBS		0050	24	57	36	43	24	57			50401
STD		0075	23	50	36	36	24	84	0 260		50328
OBS		0075	23	50	36	36	24	84			50328
STD		0100	21	20	35	96	25	19	0 335		50134
OBS		0100	21	20	35	96	25	19			50134
STD		0150	18	56	35	70	25	69	0 465		49914
OBS		0150	18	56	35	70	25	69			49914
STD		0200	17	48	35	84	26	06	0 575		49844
OBS		0200	17	48	35	84	26	06			49844
STD		0250	16	64	36	06	26	43	0 667		49798
OBS		0250	16	64	36	06	26	43			49798
STD		0300	15	65	36	04	26	64	0 747		49724
OBS		0300	15	65	36	04	26	64			49724
STD		0400	13	61	35	86	26	95	0 883		49557
OBS		0400	13	61	35	86	26	95			49557
OBS		0440	13	27	35	82	26	99			49540
STD		0500	12	59	35	73	27	06	1 002		49494
OBS		0538	12	20	35	69	27	10			49469
STD		0600	11	67	35	65	27	18	1 112		49441
OBS		0734	10	66	35	58	27	31			49394
STD		0800	10	27	35	55	27	35	1 308		49383
OBS		0930	09	48	35	48	27	43			49356
STD		1000	09	11	35	44	27	46	1 483		49348
OBS		1126	08	21	35	35	27	54			49302
STD		1200	07	40	35	27	27	59	1 636		49237
OBS		1323	06	18	35	15	27	67			49142
STD		1500	04	70	35	00	27	73	1 823		49036
OBS		1617	03	90	34	92	27	75			48988

Consec. Sta. No. 165				SURFACE OBSERVATIONS						
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS42	03	18	1961	05	21° 32' N	060° 30' E	3109	04	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR	AMT.	DIR.	AMT.		COL.	TRANS.
02	24		13	27	2			03	1	5	24	1		7		

SUBSURFACE OBSERVATIONS													
SAMPLE DEPTH (M)		T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓		O ₂ ml/l ↓		V _i ↓	
STD	0000	26	28	36	40	24	02	0	000			50503	
OBS	0000	26	28	36	40	24	02					50503	
STD	0010	26	24	36	40	24	03	0	039			50505	
OBS	0010	26	24	36	40	24	03					50505	
STD	0020	26	20	36	39	24	04	0	078			50507	
OBS	0020	26	20	36	39	24	04					50507	
STD	0030	25	28	36	42	24	35	0	115			50445	
OBS	0030	25	28	36	42	24	35					50445	
STD	0050	24	66	36	45	24	56	0	185			50409	
OBS	0050	24	66	36	45	24	56					50409	
STD	0075	24	40	36	44	24	63	0	270			50402	
OBS	0075	24	40	36	44	24	63					50402	
STD	0100	23	02	36	17	24	83	0	351			50295	
OBS	0100	23	02	36	17	24	83					50295	
STD	0150	19	35	35	78	25	54	0	493			49990	
OBS	0150	19	35	35	78	25	54					49990	
STD	0200	17	67	35	83	26	01	0	607			49862	
OBS	0200	17	67	35	83	26	01					49862	
STD	0250	16	64	35	96	26	35	0	703			49794	
OBS	0250	16	64	35	96	26	35					49794	
STD	0300	16	34	36	19	26	60	0	786			49800	
OBS	0300	16	34	36	19	26	60					49800	
STD	0400	13	95	35	84	26	86	0	929			49593	
OBS	0400	13	95	35	84	26	86					49593	

Consec. Sta. No, 166		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS24	03	18	1961	11	22° 30' N	060° 30' E	2981	04	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	33		11	25	6			03	5	6	33	1		7		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	25	74	36	46	24	24	0 000		50465
	OBS	0000	25	74	36	46	24	24			50465
STD		0010	25	67	36	45	24	25	0 037		50465
	OBS	0010	25	67	36	45	24	25			50465
	OBS	0019	25	46	36	43	24	30			50453
STD		0020	25	37	36	42	24	32	0 073		50446
	OBS	0029	24	78	36	39	24	48			50405
STD		0030	24	77	36	40	24	49	0 109		50405
	OBS	0048	24	63	36	46	24	58			50406
STD		0050	24	55	36	44	24	59	0 177		50400
	OBS	0072	23	36	36	20	24	76			50309
STD		0075	23	07	36	16	24	81	0 259		50285
	OBS	0097	21	28	35	96	25	17			50140
STD		0100	21	15	35	96	25	20	0 334		50130
	OBS	0145	19	44	35	99	25	68			50004
STD		0150	19	28	36	00	25	73	0 463		49992
	OBS	0193	18	14	36	06	26	07			49912
STD		0200	18	08	36	06	26	08	0 571		49910
	OBS	0241	16	63*	36	07	26	44*			
STD		0250	17	54	36	16	26	29	0 667		49889
	OBS	0290	16	94	36	42	26	64			49863
STD		0300	16	77	36	39	26	65	0 750		49850
	OBS	0387	14	90	36	12	26	87			49697

Consec. Sta. No. 157		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS22	03	18	1961	17	23°	32' N	060°	26' E	3255	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	29		12	23	9			02	5	6	29	2		7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C		S ‰		σ _t ↓	Σ ΔD
		↓	↓	↓	↓		
STD	0000	25	14	36	53	24	47
OBS	0000	25	14	36	53	24	47
STD	0010	25	18	36	52	24	45
OBS	0010	25	18	36	52	24	45
STD	0020	25	12	36	52	24	47
OBS	0020	25	12	36	52	24	47
OBS	0029	23	52	36	45	24	90
STD	0030	23	52	36	46	24	91
OBS	0049	23	09	36	47	25	04
STD	0050	23	03	36	46	25	05
OBS	0073	21	65	36	18	25	23
STD	0075	21	53	36	16	25	25
OBS	0098	20	33	36	01	25	46
STD	0100	20	24	36	02	25	49
OBS	0147	18	57	36	14	26	02
STD	0150	18	54	36	16	26	04
OBS	0197	17	82	36	34	26	36
STD	0200	17	75	36	34	26	38
OBS	0246	16	53	36	25	26	60
STD	0250	16	39	36	23	26	62
OBS	0296	14	98	36	07	26	82
STD	0300	14	88	36	06	26	83
OBS	0396	13	44	35	87	26	99

Consec. Sta. No. 168		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS23	03	18	1961	23	23° 26' N	059° 37' E	3292	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	31		10	24	4			02	5	6	31	3		7		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	24	54	36	52	24	65	0 000		50375
OBS		0000	24	54	36	52	24	65			50375
STD		0010	24	58	36	52	24	64	0 033		50384
OBS		0010	24	58	36	52	24	64			50384
OBS		0019	24	54	36	51	24	64			50385
STD		0020	24	42	36	50	24	67	0 066		50376
OBS		0029	23	58	36	47	24	90			50313
STD		0030	23	57	36	47	24	90	0 098		50313
OBS		0048	23	20	36	48	25	02			50293
STD		0050	23	15	36	47	25	02	0 158		50290
OBS		0073	22	36	36	30	25	12			50231
STD		0075	22	22	36	27	25	14	0 231		50219
OBS		0097	21	00	36	08	25	33			50120
STD		0100	20	92	36	09	25	36	0 300		50115
OBS		0146	20	04	36	18	25	67			50066
STD		0150	20	03	36	25	25	72	0 425		50070
OBS		0195	19	95	36	67	26	07			50103
STD		0200	19	58	36	64	26	14	0 532		50071
OBS		0244	16	93	36	42	26	64			49837
STD		0250	16	70	36	39	26	67	0 618		49817
OBS		0294	15	28	36	19	26	84			49689
STD		0300	15	12	36	17	26	86	0 686		49675
OBS		0393	13	79	35	92	26	96			49575

Consec. Sta. No. 169		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS04	03	19	1961	07	24	32' N	058	29' E	2249	21

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	29		13	26	1			02	8	5	29	3		7		

SUBSURFACE OBSERVATIONS												
		SAMPLE DEPTH (M)	T °C		S ‰		σ _t		Σ ΔD		O ₂ ml/l	v _t
			↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
STD	0000	23	94	36	58	24	87	0	000			50330
OBS	0000	23	94	36	58	24	87					50330
OBS	0009	23	94	36	58	24	87					50335
STD	0010	23	94	36	58	24	87	0	031			50336
OBS	0019	23	90	36	58	24	89					50338
STD	0020	23	77	36	57	24	92	0	062			50327
OBS	0028	22	96	36	50	25	10					50264
STD	0030	22	95	36	50	25	10	0	091			50264
OBS	0047	22	85	36	50	25	13					50265
STD	0050	22	84	36	50	25	14	0	149			50266
OBS	0071	22	80	36	49	25	14					50274
STD	0075	22	80	36	50	25	15	0	220			50276
OBS	0094	22	80	36	51	25	16					50287
STD	0100	22	52	36	44	25	18	0	291			50264
OBS	0141	21	02	36	15	25	38					50148
STD	0150	20	86	36	16	25	43	0	427			50140
OBS	0188	20	21	36	22	25	65					50105
STD	0200	20	01	36	28	25	75	0	550			50096
OBS	0236	19	41	36	43	26	03					50067
STD	0250	19	22	36	47	26	11	0	659			50059
OBS	0283	18	67	36	51	26	28					50028
STD	0300	18	21	36	46	26	35	0	753			49992
OBS	0378	16	18	36	23	26	67					49828
STD	0400	15	55	36	16	26	76	0	914			49773
OBS	0477	13	73	35	94	26	99					49615
STD	0500	13	34	35	88	27	02	1	044			49583
OBS	0565	12	37	35	74	27	11					49505
STD	0600	12	08	35	71	27	14	1	158			49490
OBS	0743	10	86	35	60	27	29					49423
STD	0800	10	35	35	56	27	35	1	358			49393
OBS	0922	09	22	35	46	27	46					49320
STD	1000	08	40	35	38	27	53	1	526			49258
OBS	1106	07	42	35	28	27	60					49189
STD	1200	06	80	35	22	27	64	1	666			49158
OBS	1485	05	16	35	05	27	72					49092
STD	1500	05	08	35	04	27	72	1	848			49089
STD	2000	03	09	34	86	27	79	2	105			49086
OBS	2115	02	79	34	83	27	79					49107

Consec. Sta. No. 170		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS03	03	19	1961	14	24° 32' N	057° 31' E	1518	14	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	35		12	23	9			03	4	6	35	3		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	23 77	36 58	24 93	0 000		50317		
OBS	0000	23 77	36 58	24 93			50317		
STD	0010	23 79	36 57	24 91	0 030		50324		
OBS	0010	23 79	36 57	24 91			50324		
STD	0020	23 59	36 56	24 96	0 061		50313		
OBS	0020	23 59	36 56	24 96			50313		
STD	0030	22 82	36 48	25 13	0 090		50253		
OBS	0030	22 82	36 48	25 13			50253		
STD	0050	22 44	36 48	25 24	0 146		50232		
OBS	0050	22 44	36 48	25 24			50232		
STD	0075	20 82	36 16	25 44	0 213		50096		
OBS	0075	20 82	36 16	25 44			50096		
STD	0100	20 14	36 19	25 65	0 275		50051		
OBS	0100	20 14	36 19	25 65			50051		
STD	0150	19 78	36 51	25 99	0 387		50058		
OBS	0150	19 78	36 51	25 99			50058		
STD	0200	21 13	37 40	26 30	0 484		50237		
OBS	0200	21 13	37 40	26 30			50237		
STD	0250	18 04	36 68	26 57	0 568		49958		
OBS	0250	18 04	36 68	26 57			49958		
STD	0300	16 09	36 34	26 77	0 642		49781		
OBS	0300	16 09	36 34	26 77			49781		
STD	0400	13 70	35 95	27 00	0 770		49571		
OBS	0400	13 70	35 95	27 00			49571		
STD	0500	12 35	35 76	27 13	0 882		49469		
OBS	0544	11 88	35 70	27 17			49437		
STD	0600	11 45	35 65	27 22	0 987		49416		
OBS	0643	11 11	35 61	27 25			49399		
STD	0800	09 71	35 51	27 41	1 173		49318		
OBS	0841	09 42	35 48	27 44			49301		
STD	1000	08 40	35 39	27 54	1 332		49259		
OBS	1040	08 14	35 36	27 56			49247		
STD	1200	07 12	35 25	27 62	1 474		49201		
OBS	1238	06 87	35 22	27 63			49188		
OBS	1436	05 54	35 08	27 69			49117		

Consec. Sta. No. 171		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS01	03	19	1961	20	25° 22' N		057° 25' E		0540	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	33		13	22	8			03	5	8	33	2		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD	O ₂ ml/l ↓	V _t ↓
STD		0000	23	80	36	54	24	89	0 000		50318
OBS		0000	23	80	36	54	24	89			50318
STD		0010	23	80	36	53	24	88	0 031		50323
OBS		0010	23	80	36	53	24	88			50323
OBS		0019	23	77	36	53	24	89			50325
STD		0020	23	78	36	53	24	88	0 062		50327
OBS		0028	23	82	36	53	24	87			50334
STD		0030	23	82	36	53	24	87	0 093		50335
OBS		0047	23	81	36	53	24	88			50344
STD		0050	23	72	36	53	24	90	0 154		50338
OBS		0071	22	78	36	51	25	16			50273
STD		0075	22	43	36	51	25	26	0 227		50246
OBS		0095	21	09	36	16*	25	37*			
STD		0100	21	03	36	51	25	65	0 291		50141
OBS		0142	20	43	36	50	25	81			50111
STD		0150	20	31	36	57	25	89	0 405		50107
OBS		0190	19	62	36	77	26	23			50075
STD		0200	19	51	36	76	26	25	0 506		50070
OBS		0238	18	56	36	74	26	48			50002
STD		0250	17	87	36	62	26	56	0 591		49939
OBS		0286	16	17	36	34	26	76			49781
STD		0300	15	67	36	26	26	81	0 664		49735
OBS		0382	14	48	36	10	26	95			49650

Consec. Sta. No. 172		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS02	03	20	1961	09	25° 14' N		058° 31' E		0320	03

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	30		14	24	4			02	5	8	29	3		7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C		S ‰		σ _t		Σ ΔD	O ₂ ml/l	V _t
			↓		↓		↓		↓	↓	↓
STD		0000	23	81	36	56	24	90	0 000		50319
	OBS	0000	23	81	36	56	24	90			50319
STD		0010	23	82	36	55	24	89	0 031		50325
	OBS	0010	23	82	36	55	24	89			50325
STD		0020	23	31	36	54	25	03	0 061		50289
STD		0030	22	95	36	53	25	13	0 090		50265
	OBS	0030	22	95	36	53	25	13			50265
STD		0050	22	74	36	54	25	20	0 146		50259
	OBS	0055	22	67	36	54	25	22			50256
STD		0075	22	38	36	54	25	30	0 215		50243
	OBS	0080	22	17	36	50	25	33			50227
STD		0100	20	60	36	16	25	50	0 281		50090
	OBS	0105	20	34	36	12	25	54			50068
	OBS	0130	19	83	36	16	25	71			50038
STD		0150	19	06	36	22	25	87	0 397		49981
	OBS	0180	18	76	36	30	26	09			49972
STD		0200	19	86	36	84	26	22	0 496		50104
	OBS	0230	20	51	37	30	26	40			50196
STD		0250	20	27	37	08	26	29	0 589		50177
STD		0300	17	35	36	69	26	74	0 670		49919
	OBS	0310	16	36	36	41	26	77			49816

Consec. Sta. No. 173		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS05	03	20	1961	15	24° 29' N	059° 35' E	2468	04	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	27		12	24	4			01	6	3	27	3		7		

SUBSURFACE OBSERVATIONS										
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓			
STD	0000	23 93	36 53	24 84	0 000		50328			
OBS	0000	23 93	36 53	24 84			50328			
STD	0010	23 92	36 52	24 84	0 031		50332			
OBS	0010	23 92	36 52	24 84			50332			
STD	0020	23 82	36 52	24 86	0 062		50330			
OBS	0020	23 82	36 52	24 86			50330			
OBS	0029	23 74	36 51	24 88			50328			
STD	0030	23 69	36 51	24 90	0 093		50324			
OBS	0049	23 00	36 46	25 06			50277			
STD	0050	22 99	36 46	25 06	0 153		50277			
OBS	0073	22 76	36 46	25 13			50270			
STD	0075	22 74	36 47	25 14	0 226		50270			
OBS	0097	22 56	36 50	25 22			50268			
STD	0100	22 38	36 46	25 24	0 296		50253			
OBS	0146	20 28	36 08	25 53			50083			
STD	0150	20 23	36 10	25 56	0 428		50082			
OBS	0195	19 28	36 24	25 91			50026			
STD	0200	19 04	36 23	25 97	0 543		50006			
OBS	0244	17 43	36 12	26 29			49874			
STD	0250	17 37	36 09	26 28	0 642		49870			
OBS	0293	16 77	35 99	26 35			49831			
STD	0300	16 65	36 01	26 39	0 731		49824			
OBS	0391	14 39	36 30	27 12			49654			

Consec. Sta. No. 174		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS06	03	20	1961	20	24° 30' N	060° 33' E	2395	23

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	27		12	23	9			01	6	2	27	3		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M.)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	24 16	36 52	24 76	0 000		50346		
OBS	0000	24 16	36 52	24 76			50346		
OBS	0009	24 20	36 51	24 74			50353		
STD	0010	24 19	36 51	24 75	0 032		50353		
OBS	0018	24 16	36 52	24 76			50355		
STD	0020	24 17	36 52	24 76	0 064		50357		
OBS	0028	24 20	36 52	24 75			50364		
STD	0030	24 06	36 51	24 79	0 096		50354		
OBS	0046	23 24	36 47	25 00			50295		
STD	0050	23 17	36 46	25 01	0 158		50291		
OBS	0070	22 86	36 44	25 09			50276		
STD	0075	22 85	36 44	25 09	0 231		50278		
OBS	0093	22 53	36 42	25 16			50261		
STD	0100	22 02	36 31	25 23	0 302		50218		
OBS	0140	19 64	35 93	25 58			50017		
STD	0150	19 18	35 94	25 71	0 431		49981		
OBS	0187	17 93	36 00	26 07			49887		
STD	0200	17 81	36 04	26 13	0 538		49884		
OBS	0235	17 32	36 14	26 33			49859		
STD	0250	16 96	36 19	26 45	0 629		49834		
OBS	0283	16 21	36 25	26 68			49780		
STD	0300	15 85	36 20	26 72	0 706		49751		
OBS	0380	14 29	36 00	26 92			49625		
STD	0400	13 91	35 94	26 95	0 839		49593		
OBS	0460	12 94	35 81	27 05			49515		
STD	0500	12 51	35 76	27 10	0 956		49487		
OBS	0552	12 00	35 70	27 15			49455		
STD	0600	11 65	35 66	27 19	1 063		49440		
OBS	0738	10 65	35 57	27 30			49395		
STD	0800	10 20	35 54	27 36	1 258		49374		
OBS	0924	09 28	35 47	27 46			49329		
STD	1000	08 65	35 41	27 51	1 426		49290		
OBS	1110	07 82	35 32	27 57			49243		
STD	1200	07 28	35 26	27 60	1 573		49222		
OBS	1395	06 14	35 14	27 67			49176		
STD	1500	05 45	35 07	27 70	1 767		49140		
OBS	1878	03 55	34 89	27 77			49084		
STD	2000	03 12	34 85	27 78	2 035		49090		
OBS	2318	02 45	34 81	27 80			49172		

Consec. Sta. No. 175		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS07	03	21	1961	03	24° 30' N	061° 30' E	1829	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	25		12	25	0			03	6	3	27	3		7		

SUBSURFACE OBSERVATIONS										
	SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	24	82	36	54	24	58	0 000		50398
OBS	0000	24	82	36	54	24	58			50398
OBS	0009	24	85	36	53	24	56			50405
STD	0010	24	84	36	53	24	57	0 034		50404
OBS	0019	24	80	36	53	24	58			50406
STD	0020	24	66	36	52	24	61	0 067		50395
OBS	0028	23	76	36	47	24	84			50327
STD	0030	23	68	36	47	24	87	0 100		50322
OBS	0047	23	14	36	47	25	03			50288
STD	0050	23	11	36	47	25	04	0 160		50287
OBS	0071	22	87	36	42	25	07			50277
STD	0075	22	66	36	37	25	09	0 233		50260
OBS	0095	21	60	36	18	25	24			50174
STD	0100	21	27	36	15	25	31	0 304		50148
OBS	0143	19	16	36	02	25	78			49979
STD	0150	19	07	36	05	25	82	0 427		49975
OBS	0191	18	34	36	19	26	12			49935
STD	0200	18	08	36	20	26	19	0 531		49916
OBS	0239	17	08	36	22	26	45			49841
STD	0250	16	89	36	22	26	49	0 619		49829
OBS	0288	16	18	36	22	26	66			49779
STD	0300	15	94	36	21	26	71	0 696		49761
OBS	0386	14	09	35	96	26	93			49605

Consec. Sta. No. 176		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS21	03	21	1961	08	23° 29' N		061° 30' E		3310	33

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	27		12	25	0			03	5	6	27	2				

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ Δ D ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	25 40	36 55	24 41	0 000		50443		
OBS	0000	25 40	36 55	24 41			50443		
STD	0010	25 14	36 54	24 48	0 035		50428		
OBS	0010	25 14	36 54	24 48			50428		
OBS	0019	23 76	36 47*	24 84*					
STD	0020	23 72	36 51	24 89	0 068		50321		
OBS	0029	23 43	36 50	24 96			50302		
STD	0030	23 42	36 50	24 97	0 098		50302		
OBS	0048	23 14	36 50	25 05			50289		
STD	0050	23 14	36 50	25 05	0 158		50290		
OBS	0073	22 63	36 40	25 12			50257		
STD	0075	22 48	36 37	25 14	0 230		50245		
OBS	0097	20 99	36 08	25 34			50119		
STD	0100	20 79	36 07	25 38	0 299		50103		
OBS	0146	18 48	36 03	25 96			49918		
STD	0150	18 43	36 06	25 99	0 417		49916		
OBS	0195	17 68	36 30	26 36			49879		
STD	0200	17 58	36 30	26 39	0 511		49872		
OBS	0244	16 58	36 29	26 62			49798		
STD	0250	16 40	36 27	26 65	0 591		49782		
OBS	0293	15 22	36 14	26 82			49681		
STD	0300	15 04	36 11	26 84	0 661		49665		
OBS	0391	13 10	35 83	27 03			49496		
STD	0400	13 00	35 82	27 05	0 784		49489		
STD	0500	11 99	35 72	27 17	0 892		49427		
OBS	0513	11 87	35 71	27 18			49420		
STD	0600	11 20	35 65	27 26	0 992		49388		
OBS	0606	11 14	35 64	27 27			49385		
OBS	0799	09 77	35 53	27 42			49322		
STD	0800	09 76	35 53	27 43	1 172		49322		
OBS	0992	08 53	35 41	27 53			49271		
STD	1000	08 46	35 40	27 54	1 331		49267		
OBS	1185	06 98	35 25	27 64			49175		
STD	1200	06 86	35 24	27 65	1 470		49167		
OBS	1477	04 98	35 06	27 75			49064		
STD	1500	04 86	35 05	27 75	1 646		49060		
OBS	1967	03 06	34 88	27 81			49065		
STD	2000	03 00	34 88	27 81	1 887		49075		
STD	2500	02 29	34 82	27 83	2 100		49252		
OBS	2558	02 23	34 81	27 82			49276		
STD	3000	01 91	34 78	27 82	2 307		49480		
OBS	3297	01 85	34 78	27 83			49640		

Consec. Sta. No. 177		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS25	03	21	1961	16	22° 30' N	061° 31' E	3292	04	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	03		13	25	6			03	4	6	03	1		7		

		SUBSURFACE OBSERVATIONS							
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ_t ↓	$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓	
STD		0000	26 18	36 50	24 13	0 000		50499	
OBS		0000	26 18	36 50	24 13			50499	
STD		0010	25 80	36 49	24 24	0 037		50476	
OBS		0010	25 80	36 49	24 24			50476	
STD		0020	25 61	36 48	24 29	0 074		50467	
OBS		0020	25 61	36 48	24 29			50467	
OBS		0029	24 80	36 41	24 49			50407	
STD		0030	24 79	36 42	24 50	0 110		50407	
OBS		0049	24 70	36 50	24 59			50413	
STD		0050	24 68	36 50	24 59	0 178		50412	
OBS		0074	23 90	36 41	24 76			50361	
STD		0075	23 84	36 40	24 77	0 260		50356	
OBS		0098	22 42	36 21	25 04			50246	
STD		0100	22 27	36 18	25 06	0 338		50234	
OBS		0148	19 58	35 83	25 52			50012	
STD		0150	19 53	35 84	25 54	0 474		50009	
OBS		0197	18 55	36 07	25 97			49953	
STD		0200	18 50	36 09	26 00	0 589		49951	
OBS		0247	17 88	36 30	26 31			49926	
STD		0250	17 87	36 32	26 33	0 685		49927	
OBS		0297	17 40	36 48	26 57			49914	
STD		0300	17 35	36 48	26 58	0 769		49911	
OBS		0397	14 28	35 94	26 87			49630	

Consec. Sta. No. 178						SURFACE OBSERVATIONS				
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS41	03	21	1961	22	21° 26' N	061° 30' E	1737	17	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL	TRANS.
02	13		11	25	6			02	4	2	13	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	26 04	36 37	24 07	0 000		50484		
OBS	0000	26 04	36 37	24 07			50484		
STD	0010	25 90	36 36	24 11	0 038		50479		
OBS	0010	25 90	36 36	24 11			50479		
STD	0020	25 08	36 31	24 33	0 075		50420		
OBS	0020	25 08	36 31	24 33			50420		
STD	0030	24 67	36 29	24 44	0 111		50393		
OBS	0030	24 67	36 29	24 44			50393		
STD	0050	24 18	36 33	24 61	0 180		50367		
OBS	0050	24 18	36 33	24 61			50367		
STD	0075	23 96	36 50	24 81	0 262		50370		
OBS	0075	23 96	36 50	24 81			50370		
STD	0100	22 98	36 48	25 08	0 338		50303		
OBS	0100	22 98	36 48	25 08			50303		
STD	0150	21 62	36 22	25 27	0 480		50207		
OBS	0150	21 62	36 22	25 27			50207		
STD	0200	20 13	36 08	25 57	0 612		50099		
OBS	0200	20 13	36 08	25 57			50099		
STD	0250	19 60	36 11	25 73	0 733		50080		
OBS	0250	19 60	36 11	25 73			50080		
STD	0300	17 47	35 96	26 15	0 842		49902		
OBS	0300	17 47	35 96	26 15			49902		
STD	0400	15 16	35 91	26 66	1 016		49723		
OBS	0400	15 16	35 91	26 66			49723		
STD	0500	13 73	35 88	26 94	1 155		49625		
OBS	0543	13 24	35 85	27 02			49594		
STD	0600	12 77	35 78	27 06	1 277		49570		
OBS	0642	12 42	35 74	27 10			49552		
STD	0800	10 97	35 60	27 27	1 494		49467		
OBS	0840	10 63	35 57	27 30			49448		
STD	1000	09 42	35 48	27 44	1 680		49387		
OBS	1038	09 12	35 45	27 47			49370		
STD	1200	07 72	35 30	27 57	1 839		49279		
OBS	1236	07 45	35 27	27 59			49263		
OBS	1435	06 24	35 14	27 65			49211		
STD	1500	05 84	35 10	27 67	2 045		49193		
OBS	1734	04 37	34 97	27 74			49119		

Consec. Sta. No. 179						SURFACE OBSERVATIONS				
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS40	03	22	1961	04	21° 27' N	062° 28' E	3475	04	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
01	23		14	29	4			03	4	3	23	1		7		

		SUBSURFACE OBSERVATIONS									
SAMPLE DEPTH (M)		T °C ↓	S ‰/‰ ↓		σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓			
STD	0000	25 78	36	46	24 22	0 000		50468			
OBS	0000	25 78	36	46	24 22			50468			
STD	0010	25 76	36	46	24 23	0 037		50472			
OBS	0010	25 76	36	46	24 23			50472			
STD	0020	25 61	36	46	24 28	0 074		50466			
OBS	0020	25 61	36	46	24 28			50466			
STD	0030	25 19	36	39	24 35	0 110		50437			
OBS	0030	25 19	36	39	24 35			50437			
STD	0050	24 75	36	42	24 51	0 181		50415			
OBS	0050	24 75	36	42	24 51			50415			
STD	0075	23 94	36	36	24 71	0 265		50363			
OBS	0075	23 94	36	36	24 71			50363			
STD	0100	23 15	36	32	24 91	0 344		50311			
OBS	0100	23 15	36	32	24 91			50311			
STD	0150	20 80	36	06	25 37	0 488		50130			
OBS	0150	20 80	36	06	25 37			50130			
STD	0200	18 11	35	84	25 91	0 609		49904			
OBS	0200	18 11	35	84	25 91			49904			
STD	0250	18 04	36	33	26 30	0 709		49944			
OBS	0250	18 04	36	33	26 30			49944			
STD	0300	17 64	36	32	26 39	0 798		49932			
OBS	0300	17 64	36	32	26 39			49932			
STD	0400	14 24	35	88	26 83	0 953		49625			
OBS	0400	14 24	35	88	26 83			49625			

Consec. Sta. No. 180		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS26	03	22	1961	10	22° 30' N	062° 33' E	3155	29

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	34		13	26	7		02	4	6	34	3			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C		S ‰		σ _t		Σ ΔD	O ₂ ml/l
		↓	↓	↓	↓	↓	↓		
STD	0000	25	14	36	54	24	48	0 000	
OBS	0000	25	14	36	54	24	48	*	50422
OBS	0009	24	63	36	50	24	61		50386
STD	0010	24	60	36	49	24	61	0 034	50384
OBS	0019	24	19	36	43	24	69		50355
STD	0020	24	12	36	42	24	70	0 067	50350
OBS	0028	23	62	36	34	24	79		50311
STD	0030	23	54	36	33	24	80	0 099	50305
OBS	0047	23	02	36	28	24	92		50271
STD	0050	22	97	36	31	24	95	0 161	50269
OBS	0070	22	70	36	45	25	14		50263
STD	0075	22	65	36	45	25	15	0 235	50262
OBS	0093	22	49	36	47	25	21		50259
STD	0100	22	06	36	36	25	25	0 305	50223
OBS	0140	19	98	35	97	25	52		50049
STD	0150	19	56	35	98	25	64	0 434	50017
OBS	0188	18	36	36	01	25	97		49928
STD	0200	18	30	36	14	26	09	0 544	49934
OBS	0235	17	71	36	33	26	38		49904
STD	0250	17	09	36	25	26	47	0 636	49849
OBS	0282	15	97	36	11	26	63		49750
STD	0300	15	59	36	06	26	67	0 714	49719
OBS	0378	14	22	35	90	26	85		49612
STD	0400	13	92	35	87	26	89	0 852	49591
OBS	0480	13	04	35	78	27	01		49535
STD	0500	12	90	35	77	27	03	0 975	49530
OBS	0560	12	47	35	74	27	09		49514
STD	0600	12	19	35	71	27	12	1 089	49503
OBS	0722	11	28	35	62	27	22		49462
STD	0800	10	61	35	58	27	32	1 295	49424
OBS	0885	09	95	35	53	27	39		49390
STD	1000	09	19	35	46	27	47	1 473	49359
OBS	1052	08	83	35	43	27	50		49342
STD	1200	07	67	35	30	27	58	1 629	49273
OBS	1307	06	89	35	22	27	63		49229
STD	1500	05	58	35	09	27	70	1 828	49158
OBS	1755	04	18	34	96	27	76		49105
STD	2000	03	29	34	88	27	78	2 098	49115
OBS	2301	02	50	34	81	27	80		49170
STD	2500	02	15	34	78	27	81	2 323	49231
OBS	2867	01	88	34	76	27	81		49399

Consec. Sta. No. 181		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS20	03	22	1961	19	23° 30' N	062° 30' E	3054	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	15		14	25	0		02	4	8	15	4			7		

SUBSURFACE OBSERVATIONS												
SAMPLE DEPTH (M)		T °C ↓	S ‰/‰ ↓	σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓				
STD	0000	25 17	36 51	24	45	0 000		50424				
OBS	0000	25 17	36 51	24	45			50424				
STD	0010	25 21	36 51	24	44	0 035		50432				
OBS	0010	25 21	36 51	24	44			50432				
STD	0020	24 71	36 50	24	58	0 069		50399				
OBS	0020	24 71	36 50	24	58			50399				
STD	0030	23 90	36 48	24	81	0 102		50340				
OBS	0030	23 90	36 48	24	81			50340				
STD	0050	23 10	36 46	25	03	0 163		50286				
OBS	0050	23 10	36 46	25	03			50286				
STD	0075	22 02	36 26	25	19	0 235		50202				
OBS	0075	22 02	36 26	25	19			50202				
STD	0100	20 88	36 04	25	34	0 304		50110				
OBS	0100	20 88	36 04	25	34			50110				
STD	0150	18 62	36 28	26	11	0 420		49943				
OBS	0150	18 62	36 28	26	11			49943				
STD	0200	18 16	36 17	26	15	0 518		49922				
OBS	0200	18 16	36 17	26	15			49922				
STD	0250	17 48	36 42	26	50	0 607		49894				
OBS	0250	17 48	36 42	26	50			49894				
STD	0300	15 38	36 07	26	73	0 683		49698				
OBS	0300	15 38	36 07	26	73			49698				
STD	0400	14 28	35 99	26	91	0 817		49634				
OBS	0400	14 28	35 99	26	91			49634				

Consec. Sta. No. 182		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS08	03	22	1961	24	24° 28' N	062° 26' E	2377	23	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
11	31		12	23	9		03	4	6	31	3			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	24 45	36 53	24 68	0 000		50369
OBS	0000	24 45	36 53	24 68			50369
OBS	0009	24 44	36 53	24 69			50373
STD	0010	24 44	36 53	24 69	0 033		50373
OBS	0019	24 40	36 53	24 70			50375
STD	0020	24 27	36 53	24 74	0 065		50365
OBS	0028	23 44	36 51	24 97			50303
STD	0030	23 39	36 51	24 98	0 096		50300
OBS	0046	23 10	36 49	25 05			50285
STD	0050	23 08	36 49	25 06	0 155		50285
OBS	0070	23 00	36 48	25 07			50289
STD	0075	23 00	36 48	25 07	0 229		50292
OBS	0093	23 00	36 46	25 06			50301
STD	0100	22 93	36 44	25 06	0 302		50298
OBS	0140	21 86	36 26	25 23			50224
STD	0150	21 08	36 11	25 34	0 443		50157
OBS	0187	19 14	35 90	25 69			49996
STD	0200	19 05	36 11	25 87	0 566		50003
OBS	0235	18 82	36 40	26 15			50011
STD	0250	17 96	36 31	26 30	0 667		49935
OBS	0282	16 43	36 16	26 56			49798
STD	0300	15 94	36 11	26 63	0 750		49757
OBS	0378	14 35	35 94	26 86			49628
STD	0400	14 15	35 93	26 89	0 890		49618
OBS	0452	13 64	35 89	26 97			49590
STD	0500	13 06	35 82	27 03	1 013		49550
OBS	0542	12 60	35 76	27 08			49519
STD	0600	12 06	35 71	27 15	1 125		49488
OBS	0724	11 04	35 61	27 26			49435
STD	0800	10 58	35 58	27 32	1 328		49421
OBS	0906	09 84	35 52	27 40			49388
STD	1000	09 03	35 44	27 48	1 505		49338
OBS	1097	08 24	35 36	27 54			49290
STD	1200	07 43	35 27	27 59	1 658		49241
STD	1500	05 41	35 07	27 70	1 853		49135
OBS	1564	05 05	35 03	27 71			49120
STD	2000	03 19	34 86	27 78	2 120		49100
OBS	2298	02 53	34 81	27 80			49172

Cons ^a c. Sta. No. 183		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS09	03	23	1961	06	24° 30' N	063° 30' E	2560	03

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	31		15	23	9		02	1	4	31	3			7		

SUBSURFACE OBSERVATIONS																
		SAMPLE DEPTH (M)	T °C		S ‰		σ_t		$\Sigma \Delta D$		O_2 ml/l		V_t			
			↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
STD		0000	24	68	36	50	24	59	0	000			50385			
	OBS	0000	24	68	36	50	24	59					50385			
STD		0010	24	67	36	50	24	60	0	034			50390			
	OBS	0011	24	67	36	50	24	60					50391			
STD		0020	23	90	36	49	24	82	0	066			50335			
	OBS	0021	23	83	36	49	24	84					50330			
STD		0030	23	27	36	47	24	99	0	097			50289			
	OBS	0032	23	18	36	47	25	02					50283			
	OBS	0046	22	90	36	45	25	08					50267			
STD		0050	22	87	36	45	25	09	0	156			50266			
	OBS	0065	22	75	36	45	25	12					50265			
STD		0075	22	67	36	44	25	14	0	228			50263			
	OBS	0083	22	56	36	42	25	16					50258			
STD		0100	22	13	36	33	25	21	0	299			50228			
	OBS	0120	21	52	36	23	25	31					50183			
STD		0150	20	33	36	08	25	52	0	432			50090			
	OBS	0157	20	12	36	06	25	56					50074			
	OBS	0195	19	39	36	00	25	70					50027			
STD		0200	19	05	36	05	25	83	0	551			50000			
	OBS	0234	17	12	36	30	26	50					49846			
STD		0250	16	42	36	26	26	64	0	645			49784			
STD		0300	15	10	36	10	26	81	0	716			49671			
	OBS	0319	14	95	36	11	26	86					49666			

Consec. Sta. No. 164		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS19	03	23	1961	12	23° 27' N		063° 35' E		2268	21

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	30		10	25	0			02	1	5	30	3		7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	24	76	36	55	24	61	0 000		50394
OBS	0000	24	76	36	55	24	61			50394
STD	0010	24	78	36	54	24	59	0 034		50400
OBS	0010	24	78	36	54	24	59			50400
OBS	0019	24	69	36	54	24	62			50398
STD	0020	24	68	36	54	24	62	0 067		50398
OBS	0029	24	64	36	53	24	63			50399
STD	0030	24	53	36	52	24	65	0 100		50391
OBS	0048	23	11	36	44	25	01			50285
STD	0050	23	08	36	44	25	02	0 163		50283
OBS	0071	22	68	36	40	25	11			50260
STD	0075	22	58	36	37	25	11	0 236		50253
OBS	0095	22	05	36	25	25	17			50215
STD	0100	21	92	36	22	25	19	0 308		50206
OBS	0143	20	57	36	05	25	43			50106
STD	0150	20	14	36	00	25	51	0 442		50070
OBS	0190	18	52	35	96	25	89			49942
STD	0200	18	49	36	09	26	00	0 557		49950
OBS	0238	18	39	36	41	26	27			49973
STD	0250	18	04	36	43	26	37	0 653		49948
OBS	0286	17	03	36	44	26	63			49870
STD	0300	16	61	36	38	26	68	0 734		49834
OBS	0383	14	51	36	05	26	91			49652
STD	0400	14	16	35	98	26	93	0 870		49621
OBS	0429	13	63	35	89	26	97			49576
STD	0500	12	81	35	78	27	05	0 990		49521
OBS	0517	12	63	35	76	27	07			49509
STD	0600	11	93	35	69	27	16	1 101		49473
OBS	0694	11	19	35	62	27	24			49436
STD	0800	10	42	35	56	27	33	1 301		49401
OBS	0873	09	90	35	52	27	39			49378
STD	1000	09	03	35	44	27	48	1 476		49338
OBS	1052	08	67	35	40	27	50			49321
STD	1200	07	57	35	28	27	58	1 631		49259
OBS	1325	06	70	35	19	27	63			49213
STD	1500	05	58	35	08	27	69	1 831		49158
OBS	1782	04	04	34	94	27	76			49100
STD	2000	03	08	34	86	27	79	2 099		49085
OBS	2150	02	53	34	81	27	80			49089

Consec. Sta. No. 185		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS27	03	23	1961	18	22°	30' N	063°	30' E	2377	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	32		12	23	9			02	4	2	32	4		7		

SUBSURFACE OBSERVATIONS																
		SAMPLE DEPTH (M)	T °C		S ‰		σ_t		$\Sigma \Delta D$		O_2 ml/l		V_t			
			↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
STD		0000	25	54	36	36	24	22	0	000			50446			
OBS		0000	25	54	36	36	24	22					50446			
STD		0010	25	55	36	36	24	22	0	037			50452			
OBS		0010	25	55	36	36	24	22					50452			
STD		0020	25	00	36	32	24	36	0	074			50414			
OBS		0020	25	00	36	32	24	36					50414			
OBS		0029	24	02	36	28	24	62					50341			
STD		0030	23	97	36	28	24	64	0	108			50338			
OBS		0049	23	30	36	23	24	80					50293			
STD		0050	23	29	36	23	24	80	0	173			50292			
OBS		0073	23	04	36	30	24	93					50287			
STD		0075	23	04	36	30	24	93	0	251			50288			
OBS		0098	22	82	36	28	24	98					50282			
STD		0100	22	76	36	26	24	98	0	327			50277			
OBS		0148	20	97	35	94	25	24					50140			
STD		0150	20	84	35	93	25	26	0	472			50129			
OBS		0197	18	34	35	84	25	85					49924			
STD		0200	18	24	35	84	25	87	0	597			49917			
OBS		0247	17	02	35	92	26	23					49828			
STD		0250	17	00	35	94	26	25	0	698			49828			
OBS		0297	16	57	36	11	26	49					49818			
STD		0300	16	53	36	11	26	49	0	786			49816			
OBS		0397	14	84	36	05	26	83					49694			

Consec. Sta. No. 186		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS39	03	24	1961	00	21° 33' N	063° 32' E	3237	32	

WIND		ANEMO HGT.	A.P. PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	29		11	23	3		00		0	29				7		

		SUBSURFACE OBSERVATIONS						
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V ₁ ↓
STD	0000	25	76	36	42	24 20	0 000	50465
OBS	0000	25	76	36	42	24 20		50465
STD	0010	25	77	36	42	24 20	0 037	50471
OBS	0010	25	77	36	42	24 20		50471
STD	0020	25	65	36	42	24 23	0 075	50467
OBS	0020	25	65	36	42	24 23		50467
OBS	0029	23	84	36	26	24 66		50326
STD	0030	23	81	36	26	24 67	0 110	50324
OBS	0049	23	42	36	30	24 82		50305
STD	0050	23	41	36	30	24 82	0 174	50305
OBS	0074	23	17	36	33	24 91		50299
STD	0075	23	17	36	34	24 92	0 252	50300
OBS	0098	23	16	36	46	25 01		50316
STD	0100	23	00	36	42	25 03	0 328	50303
OBS	0148	19	70	35	80	25 47		50022
STD	0150	19	58	35	80	25 50	0 466	50012
OBS	0197	17	62	35	85	26 03		49856
STD	0200	17	62	35	88	26 06	0 580	49859
OBS	0247	17	12	36	17	26 40		49847
STD	0250	17	01	36	16	26 42	0 673	49838
OBS	0297	15	58	36	07	26 68		49717
STD	0300	15	52	36	06	26 69	0 752	49712
OBS	0397	13	86	35	89	26 92		49584
STD	0400	13	81	35	88	26 92	0 887	49580
STD	0500	12	53	35	73	27 07	1 007	49487
OBS	0510	12	42	35	72	27 08		49480
STD	0600	11	66	35	65	27 18	1 116	49440
OBS	0602	11	64	35	65	27 18		49439
OBS	0789	10	38	35	56	27 34		49390
STD	0800	10	31	35	55	27 35	1 313	49388
OBS	0978	09	09	35	45	27 48		49334
STD	1000	08	92	35	44	27 49	1 485	49325
OBS	1168	07	66	35	33	27 60		49255
STD	1200	07	44	35	30	27 61	1 634	49244
OBS	1456	05	81	35	11	27 68		49165
STD	1500	05	53	35	08	27 70	1 827	49151
OBS	1942	03	37	34	87	27 77		49093
STD	2000	03	22	34	86	27 77	2 098	49104
STD	2500	02	23	34	78	27 80	2 328	49242
OBS	2529	02	19	34	78	27 80		49252
STD	3000	01	75	34	75	27 81	2 539	49455
OBS	3168	01	70	34	75	27 82		49544

Consec. Sta. No. 187		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	AS38	03	24	1961	07	21° 31' N		064° 30' E	3292	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
07	33		12	25	0			02	1	2	33	3		7		

SUBSURFACE OBSERVATIONS										
	SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓			
STD	0000	25 94	36 28	24 04	0 000		50473			
OBS	0000	25 94	36 28	24 04			50473			
OBS	0009	25 94	36 28	24 04			50478			
STD	0010	25 72	36 26	24 09	0 039		50461			
OBS	0018	24 33	36 14	24 43			50355			
STD	0020	24 14	36 11	24 46	0 075		50340			
OBS	0027	23 62	36 06	24 58			50300			
STD	0030	23 56	36 09	24 62	0 109		50298			
OBS	0046	23 25	36 18	24 78			50285			
STD	0050	23 14	36 18	24 81	0 175		50278			
OBS	0069	22 84	36 17	24 89			50264			
STD	0075	22 91	36 25	24 93	0 252		50276			
OBS	0092	22 95	36 40	25 03			50294			
STD	0100	22 91	36 39	25 03	0 328		50294			
OBS	0138	21 83	36 23	25 22			50219			
STD	0150	20 76	36 04	25 37	0 469		50126			
OBS	0184	18 50	35 76	25 75			49929			
STD	0200	18 00	35 81	25 91	0 590		49893			
OBS	0230	17 24	35 94	26 20			49841			
STD	0250	16 97	36 10	26 38	0 688		49832			
OBS	0277	16 53	36 23	26 59			49808			
STD	0300	16 08	36 17	26 65	0 769		49773			
OBS	0370	14 32	36 00	26 91			49623			

SURFACE OBSERVATIONS											
Consec. Sta. No. 186											
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	A537	03	24	1961	13	21°	28' N	065°	29' E	2688	21

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY Ψ	WET Ψ			TYPE	AMT.	DIR.	AMT.	DIR	AMT.		COL.	TRANS.
04	28		10	26	7		02	1	2	28	3			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓	S ‰/‰ ↓	σ _t ↓		Σ Δ D ↓	O ₂ ml/l ↓	V _t ↓		
STD		0000	25 79	36 22	24	04	0 000			50460	
OBS		0000	25 79	36 22	24	04				50460	
OBS		0009	25 80	36 21	24	03				50465	
STD		0010	25 79	36 21	24	03	0 039			50465	
OBS		0019	25 75	36 21	24	04				50467	
STD		0020	25 62	36 21	24	09	0 078			50458	
OBS		0029	24 54	36 16	24	38				50378	
STD		0030	24 42	36 14	24	40	0 115			50368	
OBS		0048	23 06	36 00	24	69				50264	
STD		0050	23 09	36 02	24	70	0 183			50268	
OBS		0073	23 38	36 20	24	75				50311	
STD		0075	23 40	36 21	24	75	0 264			50314	
OBS		0097	23 46	36 32	24	82				50335	
STD		0100	23 41	36 32	24	83	0 344			50332	
OBS		0146	22 65	36 28	25	02				50294	
STD		0150	22 40	36 22	25	05	0 498			50273	
OBS		0196	19 74	35 80	25	46				50051	
STD		0200	19 52	35 81	25	52	0 635			50034	
OBS		0245	17 42	35 93	26	14				49866	
STD		0250	17 25	35 95	26	20	0 747			49853	
OBS		0295	15 84	36 07	26	62				49742	
STD		0300	15 70	36 06	26	65	0 832			49730	
OBS		0394	13 65	35 84	26	93				49557	
STD		0400	13 58	35 83	26	93	0 969			49553	
OBS		0495	12 57	35 72	27	05				49489	
STD		0500	12 52	35 72	27	06	1 08P			49486	
OBS		0594	11 65	35 64	27	17				49435	
STD		0600	11 60	35 64	27	18	1 197			49433	
OBS		0792	10 20	35 53	27	35				49370	
STD		0800	10 15	35 53	27	36	1 392			49368	
OBS		0992	08 87	35 43	27	50				49314	
STD		1000	08 82	35 42	27	50	1 562			49312	
OBS		1190	07 63	35 28	27	57				49261	
STD		1200	07 55	35 27	27	57	1 715			49256	
OBS		1489	05 52	35 08	27	70				49143	
STD		1500	05 45	35 07	27	70	1 914			49140	
STD		2000	03 20	34 86	27	78	2 183			49101	
OBS		2088	02 96	34 84	27	78				49116	

Consec. Sta. No. 189		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS29	03	24	1961	20	22° 25' N	065° 30' E	2286	04	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	26		10	25	0		01		0	26	3			7		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C ↓		S ‰/‰ ↓		σ_t ↓		$\Sigma \Delta D$ ↓	O_2 ml/l ↓	V_t ↓
STD		0000	25	12	36	36	24	35	0 000		50414
OBS		0000	25	12	36	36	24	35			50414
STD		0010	25	14	36	36	24	35	0 036		50421
OBS		0010	25	14	36	36	24	35			50421
STD		0020	25	11	36	37	24	36	0 072		50425
OBS		0020	25	11	36	37	24	36			50425
OBS		0029	25	14	36	35	24	34			50431
STD		0030	25	05	36	36	24	37	0 108		50425
OBS		0049	23	72	36	41	24	81			50333
STD		0050	23	68	36	40	24	82	0 175		50330
OBS		0074	22	87	36	24	24	93			50271
STD		0075	22	84	36	24	24	94	0 253		50270
OBS		0098	22	18	36	14	25	05			50223
STD		0100	22	11	36	14	25	07	0 327		50219
OBS		0148	20	22	36	98*	26	23*			
STD		0150	20	12	36	15	25	62	0 462		50074
OBS		0196	18	16	36	96*	26	75*			
STD		0200	18	07	36	17	26	17	0 570		49913
OBS		0246	16	91	36	18	26	46			49827
STD		0250	16	79	36	18	26	49	0 659		49817
OBS		0296	15	49	36	13	26	75			49710
STD		0300	15	39	36	12	26	77	0 735		49701
OBS		0395	13	58	35	89	26	98			49553

Consec. Sta. No. 190		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS28	03	25	1961	02	22° 26' N	064° 27' E	2615	25	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	32		10	24	4		01		0	32	3			7		

		SUBSURFACE OBSERVATIONS								
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v _t ↓
STD		0000	25	28	36	43	24	36	0 000	50429
OBS		0000	25	28	36	43	24	36		50429
STD		0010	25	28	36	43	24	36	0 036	50434
OBS		0010	25	28	36	43	24	36		50434
STD		0020	23	92	36	42	24	76	0 070	50334
OBS		0020	23	92	36	42	24	76		50334
OBS		0029	23	59	36	44	24	87		50313
STD		0030	23	55	36	44	24	88	0 101	50310
OBS		0049	23	04	36	43	25	03		50279
STD		0050	23	03	36	43	25	03	0 162	50279
OBS		0074	22	80	36	41	25	08		50272
STD		0075	22	80	36	41	25	08	0 235	50273
OBS		0098	22	75	36	38	25	07		50280
STD		0100	22	74	36	38	25	07	0 308	50280
OBS		0148	22	43	36	36	25	15		50280
STD		0150	22	39	36	35	25	15	0 454	50277
OBS		0198	20	69	36	10	25	43		50148
STD		0200	20	52	36	07	25	46	0 591	50133
OBS		0247	17	72	35	83	25	99		49892
STD		0250	17	72	35	87	26	02	0 708	49895
OBS		0297	17	41	36	33	26	45		49909
STD		0300	17	34	36	33	26	47	0 802	49904
OBS		0397	15	22	36	15	26	83		49737
STD		0400	15	14	36	14	26	84	0 952	49730
OBS		0478	13	47	35	89	27	00		49585
STD		0500	13	16	35	85	27	04	1 078	49562
OBS		0574	12	21	35	73	27	13		49492
STD		0600	11	96	35	70	27	16	1 190	49476
OBS		0766	10	50	35	56	27	32		49392
STD		0800	10	28	35	54	27	34	1 390	49384
OBS		0958	09	17	35	44	27	45		49332
STD		1000	08	83	35	41	27	49	1 562	49312
OBS		1151	07	66	35	29	27	57		49244
STD		1200	07	27	35	25	27	60	1 713	49220
OBS		1440	05	56	35	09	27	70		49122
STD		1500	05	19	35	05	27	71	1 904	49104
OBS		1924	03	18	34	86	27	78		49056
STD		2000	02	93	34	84	27	79	2 161	49063
STD		2500	02	11	34	78	27	81	2 381	49225
OBS		2512	02	11	34	78	27	81		49232

Consec. Sta. No. 191		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS18	03	25	1961	09	23° 30' N	064° 30' E	2395	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	30		12	25	6		00		0	30	2			.7		

SUBSURFACE OBSERVATIONS													
SAMPLE DEPTH (M)		T °C ↓		S ‰/‰ ↓		σ _t ↓		Σ ΔD ↓		O ₂ ml/l ↓		v _t ↓	
STD	0000	25	48	36	45	24	31	0	000			50445	
OBS	0000	25	48	36	45	24	31					50445	
STD	0010	25	25	36	45	24	38	0	036			50433	
OBS	0010	25	25	36	45	24	38					50433	
STD	0020	25	12	36	48	24	44	0	071			50429	
OBS	0020	25	12	36	48	24	44					50429	
OBS	0029	24	44	36	44	24	62					50380	
STD	0030	24	39	36	44	24	63	0	105			50377	
OBS	0049	23	57	36	41	24	86					50321	
STD	0050	23	56	36	41	24	86	0	170			50321	
OBS	0073	22	97	36	38	25	01					50284	
STD	0075	22	88	36	36	25	02	0	246			50277	
OBS	0097	21	84	36	16	25	16					50195	
STD	0100	21	65	36	14	25	20	0	319			50180	
OBS	0146	19	22	35	91	25	68					49981	
STD	0150	19	05	35	91	25	72	0	447			49968	
OBS	0195	17	62	35	93	26	10					49858	
STD	0200	17	57	35	96	26	13	0	555			49857	
OBS	0244	17	06	36	16	26	41					49840	
STD	0250	16	98	36	18	26	44	0	646			49836	
OBS	0293			36	24								
STD	0300	16	23	36	24	26	66	0	725			49791	
OBS	0391	14	44	36	01	26	89					49647	

Consec. Sta. No. 192		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS17	03	25	1961	14	23°	28' N	065°	31' E	1353	13

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	31		11	24	4		00		0	31	3			7		

SUBSURFACE OBSERVATIONS											
		SAMPLE DEPTH (M)	T °C		S ‰/‰		σ _t ↓		Σ ΔD	O ₂ ml/l	V _t ↓
			↓		↓		↓		↓		↓
STD	0000	24	50	36	44	24	60	0	000		50369
OBS	0000	24	50	36	44	24	60				50369
OBS	0009	24	50	36	42	24	59				50373
STD	0010	24	45	36	42	24	60	0	033		50370
OBS	0018	24	18	36	42	24	68				50353
STD	0020	24	18	36	42	24	68	0	067		50354
OBS	0027	24	18	36	42	24	68				50358
STD	0030	23	99	36	41	24	73	0	099		50344
OBS	0045	23	20	36	38	24	94				50288
STD	0050	23	02	36	36	24	98	0	162		50275
OBS	0067	22	61	36	33	25	07				50250
STD	0075	22	59	36	33	25	08	0	236		50252
OBS	0089	22	54	36	33	25	09				50256
STD	0100	22	49	36	33	25	11	0	308		50258
OBS	0134	22	32	36	34	25	16				50262
STD	0150	22	13	36	21	25	12	0	454		50250
OBS	0180	21	15								
STD	0200	19	57	36	12	25	75	0	585		50050
OBS	0225	18	15	36	04	26	05				49929
STD	0250	17	67	36	22	26	30	0	688		49904
OBS	0271	17	19	36	31	26	49				49873
STD	0300	15	93	36	16	26	67	0	770		49758
OBS	0365	14	11	35	96	26	92				49596
STD	0400	13	74	35	94	26	99	0	904		49575
OBS	0405	13	68	35	93	26	99				49570
OBS	0486	12	66	35	79	27	09				49497
STD	0500	12	52	35	77	27	10	1	019		49488
STD	0600	11	58	35	67	27	21	1	125		49432
OBS	0654	11	14	35	62	27	25				49409
STD	0800	10	21	35	55	27	36	1	317		49376
OBS	0826	10	02	35	53	27	38				49367
STD	1000	08	61	35	39	27	51	1	485		49285
OBS	1005	08	58	35	39	27	51				49284
STD	1200	07	52	35	28	27	59	1	635		49253
OBS	1286	07	22	35	25	27	60				49261

Consec. Sta. No. 193		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS10	03	25	1961	22	24°	25' N	064°	27' E	3063	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	30		11	23	9		03	8	2	30	3			7		

		SUBSURFACE OBSERVATIONS									
SAMPLE DEPTH (M)		T °C ↓	S ‰ ↓		σ _t ↓		Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	24 74	36	50	24	57	0 000			50390	
OBS	0000	24 74	36	50	24	57				50390	
STD	0010	24 74	36	50	24	57	0 034			50396	
OBS	0010	24 74	36	50	24	57				50396	
STD	0020	24 65	36	50	24	60	0 067			50394	
OBS	0020	24 65	36	50	24	60				50394	
OBS	0029	24 61	36	48	24	60				50395	
STD	0030	24 54	36	47	24	61	0 101			50390	
OBS	0049	23 46	36	41	24	89				50312	
STD	0050	23 43	36	41	24	90	0 165			50310	
OBS	0074	22 92	36	47	25	09				50284	
STD	0075	22 92	36	47	25	09	0 240			50285	
OBS	0098	22 60	36	45	25	17				50270	
STD	0100	22 50	36	43	25	18	0 312			50262	
OBS	0148	20 42	36	10	25	51				50098	
STD	0150	20 35	36	09	25	52	0 446			50092	
OBS	0198	18 76	36	06	25	91				49973	
STD	0200	18 71	36	07	25	93	0 563			49970	
OBS	0247	17 56	36	26	26	36				49894	
STD	0250	17 50	36	26	26	38	0 660			49889	
OBS	0297	16 52	36	29	26	64				49820	
STD	0300	16 46	36	29	26	65	0 741			49816	
OBS	0397	14 42	36	03	26	91				49649	

Consec. Sta. No. 194				SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH		
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE				
00865	AS11	03	26	1961	03	24° 30' N	065° 30' E	2195	21		

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	28		12	24	4		00		0	28	3		7			

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C		S ‰		σ _t		Σ ΔD	O ₂ ml/l
		↓	↓	↓	↓	↓	↓		
STD	0000	24	49	36	41	24	58	0 000	50367
OBS	0000	24	49	36	41	24	58		50367
OBS	0009	24	52	36	41	24	57		50375
STD	0010	24	52	36	41	24	57	0 034	50375
OBS	0019	24	50	36	41	24	58		50378
STD	0020	24	38	36	42	24	62	0 067	50370
OBS	0029	23	48	36	47	24	93		50305
STD	0030	23	43	36	46	24	93	0 099	50301
OBS	0048	22	73	36	33	25	04		50249
STD	0050	22	73	36	34	25	05	0 159	50251
OBS	0072	22	63	36	37	25	10		50256
STD	0075	22	61	36	37	25	10	0 232	50256
OBS	0087	22	48	36	36	25	13		50251
STD	0100	22	28	36	29	25	14	0 304	50239
OBS	0146	21	24	36	16	25	33		50170
STD	0150	21	11	36	17	25	37	0 443	50162
OBS	0194	19	60	36	22	25	82		50054
STD	0200	19	41	36	25	25	89	0 564	50041
OBS	0243	17	87	36	34	26	35		49924
STD	0250	17	50	36	31	26	42	0 662	49891
OBS	0292	15	68	36	14	26	71		49727
STD	0300	15	55	36	13	26	74	0 740	49718
OBS	0391	14	06	35	98	26	95		49606
STD	0400	13	88	35	95	26	96	0 871	49590
OBS	0476	12	63	35	77	27	08		49487
STD	0500	12	39	35	74	27	11	0 987	49472
OBS	0571	11	74	35	68	27	19		49435
STD	0600	11	52	35	67	27	22	1 092	49425
OBS	0714	10	68	35	61	27	33		49387
STD	0800	10	11	35	57	27	40	1 280	49365
OBS	0906	09	40	35	51	27	47		49335
STD	1000	08	77	35	44	27	52	1 444	49307
OBS	1097	08	12	35	37	27	57		49276
STD	1200	07	36	35	30	27	62	1 589	49234
OBS	1385	06	14	35	18	27	70		49173
STD	1500	05	47	35	10	27	72	1 778	49144
OBS	1778			34	96				
STD	2000	03	30	34	90	27	80	2 03P	49117
OBS	2076	03	08	34	89	27	81		49129

Consed. Sta. No. 195		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS12	03	26	1961	10	25°	05' N	066°	15' E	0080	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	23		11	30	0			00		0	23	2		7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	25 10	36 41	24 40	0 000		50414		
OBS	0000	25 10	36 41	24 40			50414		
STD	0010	24 26	36 40	24 64	0 034		50354		
OBS	0010	24 26	36 40	24 64			50354		
STD	0020	24 19	36 37	24 64	0 067		50353		
OBS	0020	24 19	36 37	24 64			50353		
STD	0030	24 18	36 36	24 64	0 101		50357		
OBS	0030	24 18	36 36	24 64			50357		
OBS	0040	23 88	36 33	24 70			50338		
STD	0050	23 02	36 24	24 89	0 165		50271		
OBS	0050	23 02	36 24	24 89			50271		
OBS	0060	23 00	36 25	24 90			50275		
OBS	0070	22 98	36 25	24 91			50279		
STD	0075	22 94	36 24	24 91	0 242		50278		
OBS	0075	22 94	36 24	24 91			50278		

Consec. Sta. No. 196		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS13	03	26	1961	13	24°	30' N	066°	30' E	0070	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	25		09	25	0		00		0	25	2			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	24 54	36 29	24 48	0 000		50367		
OBS	0000	24 54	36 29	24 48			50367		
OBS	0005	24 51	36 33	24 52			50369		
STD	0010	24 26	36 31	24 58	0 034		50351		
OBS	0015	24 11	36 29	24 60			50341		
STD	0020	24 10	36 29	24 61	0 068		50343		
OBS	0025	24 10	36 29	24 61			50346		
STD	0030	24 03	36 28	24 62	0 101		50343		
OBS	0035	23 84	36 26	24 66			50329		
OBS	0045	23 10	36 17	24 81			50272		
STD	0050	23 09	36 18	24 82	0 166		50274		
OBS	0055	23 08	36 18	24 82			50276		
OBS	0065	23 04	36 19	24 84			50279		

Consec. Sta. No. 197						SURFACE OBSERVATIONS					
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS16	03	28	1961	08	23°	30' N	066°	30' E	0128	01

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	31		13	25	0		03	2	3	31	3			7		

SUBSURFACE OBSERVATIONS													
SAMPLE DEPTH (M)		T °C ↓		S ‰ ↓		σ _t ↓		Σ ΔD ↓		O ₂ ml/l ↓		V _t ↓	
STD	0000	25	54	36	41	24	26	0	000			50448	
OBS	0000	25	54	36	41	24	26					50448	
STD	0010	25	34	36	40	24	31	0	036			50438	
OBS	0010	25	34	36	40	24	31					50438	
STD	0020	25	01	36	37	24	39	0	072			50417	
OBS	0020	25	01	36	37	24	39					50417	
STD	0030	24	13	36	37	24	66	0	107			50354	
OBS	0030	24	13	36	37	24	66					50354	
OBS	0039	23	80	36	35	24	74					50332	
OBS	0049	23	62	36	41	24	84					50325	
STD	0050	23	61	36	41	24	84	0	171			50325	
OBS	0069	23	2*	36	36	24	90					50307	
STD	0075	23	19	36	36	24	93	0	248			50303	
OBS	0089	22	85	36	36	25	03					50282	
STD	0100	22	47	36	30	25	09	0	323			50255	
OBS	0108	22	14	36	26	25	15					50230	
OBS	0123			36	20								

Consec. Sta. No. 198		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS30	03	28	1961	14	22° 31' N	066° 24' E	1390	13	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR	AMT.	DIR.	AMT.		COL.	TRANS.
05	33		12	25	0			02	0	33	1			7		

		SUBSURFACE OBSERVATIONS									
		SAMPLE DEPTH (M)	T °C ↓		S ‰ ↓		σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	v _t ↓	
STD		0000	25	71	36	31	24	13	0 000		50457
OBS		0000	25	71	36	31	24	13			50457
STD		0010	25	64	36	30	24	15	0 038		50457
OBS		0010	25	64	36	30	24	15			50457
STD		0020	24	48	36	25	24	46	0 074		50371
OBS		0020	24	48	36	25	24	46			50371
OBS		0029	23	78	36	24	24	66			50321
STD		0030	23	80	36	26	24	67	0 108		50324
OBS		0049	23	89	36	48	24	81			50349
STD		0050	23	85	36	47	24	82	0 173		50346
OBS		0074	23	14	36	33	24	92			50297
STD		0075	23	14	36	34	24	93	0 250		50298
OBS		0098	22	98	36	42	25	04			50300
STD		0100	22	92	36	40	25	04	0 326		50296
OBS		0148	21	05	36	05	25	30			50151
STD		0150	20	92	36	04	25	33	0 468		50140
OBS		0197	18	33	36	00	25	97			49930
STD		0200	18	22	36	01	26	01	0 588		49921
OBS		0247	16	67	36	12	26	47			49801
STD		0250	16	58	36	12	26	49	0 680		49794
OBS		0296	15	34	36	06	26	73			49691
STD		0300	15	26	36	05	26	74	0 756		49685
OBS		0396	13	66	35	91	26	98			49563
STD		0400	13	60	35	90	26	98	0 886		49558
OBS		0488	12	51	35	76	27	10			49480
STD		0500	12	41	35	75	27	11	1 001		49475
OBS		0586	11	69	35	69	27	20			49438
STD		0600	11	58	35	68	27	22	1 106		49432
OBS		0684	10	94	35	61	27	28			49401
OBS		0782	10	21	35	58	27	39			49367
STD		0800	10	08	35	57	27	40	1 294		49361
OBS		0978	08	78	35	44	27	52			49296
STD		1000	08	62	35	42	27	53	1 457		49287
OBS		1176	07	30	35	29	27	62			49212
STD		1200	07	11	35	27	27	64	1 599		49200
OBS		1324	06	07	35	18	27	71			49130

Consec. Sta. No. 199										
SURFACE OBSERVATIONS										
NODC REF. NO.	STATION	DATE				POSITION			SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE		
00865	AS36	03	28	1961	20	21°	30' N	066° 30' E	2140	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
03	33		12	24	4		02		0	33	1			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	25 67	36 38	24 20	0 000		50457		
OBS	0000	25 67	36 38	24 20			50457		
STD	0010	25 68	36 37	24 19	0 037		50462		
OBS	0010	25 68	36 37	24 19			50462		
STD	0020	25 49	36 36	24 24	0 075		50453		
OBS	0020	25 49	36 36	24 24			50453		
STD	0030	24 40	36 32	24 54	0 110		50373		
OBS	0030	24 40	36 32	24 54			50373		
STD	0050	23 58	36 32	24 78	0 176		50319		
OBS	0050	23 58	36 32	24 78			50319		
STD	0075	23 26	36 40	24 94	0 254		50310		
OBS	0075	23 26	36 40	24 94			50310		
STD	0100	22 78	36 33	25 02	0 330		50281		
OBS	0100	22 78	36 33	25 02			50281		
STD	0150	20 66	35 92	25 30	0 473		50113		
OBS	0150	20 66	35 92	25 30			50113		
STD	0200	18 35	35 82	25 83	0 597		49926		
OBS	0200	18 35	35 82	25 83			49926		
STD	0250	16 64	35 93	26 33	0 698		49792		
OBS	0250	16 64	35 93	26 33			49792		
STD	0300	15 65	35 93	26 56	0 782		49720		
OBS	0300	15 65	36 10*	26 69*			49720		
STD	0400	13 98	35 94	26 94	0 923		49600		
OBS	0400	13 98	35 94	26 94			49600		

Consec. Sta. No. 200		SURFACE OBSERVATIONS							
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE		
00865	AS35	03	29	1961	01	21° 33' N	067° 31' E	2012	04

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
06	32		11	23	9			00	0	32	3			7		

		SUBSURFACE OBSERVATIONS						
		SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD		0000	25 92	36 17	23 96	0 000		50468
OBS		0000	25 92	36 17	23 96			50468
STD		0010	25 96	36 16	23 94	0 040		50476
OBS		0010	25 96	36 16	23 94			50476
OBS		0019	25 93	36 16	23 95			50478
STD		0020	25 88	36 16	23 97	0 079		50475
OBS		0028	25 40	36 14	24 10			50443
STD		0030	25 21	36 13	24 15	0 118		50429
OBS		0046	24 08	36 10	24 47			50348
STD		0050	24 02	36 12	24 50	0 191		50347
OBS		0070	23 80	36 20	24 63			50343
STD		0075	23 80	36 19	24 62	0 276		50345
OBS		0092	23 68	36 67*	25 02*			
STD		0100	23 57	36 17	24 67	0 359		50340
OBS		0139	22 46	36 13	24 96			50269
STD		0150	21 80	36 04	25 08	0 516		50216
OBS		0185	19 93	35 87	25 46			50065
STD		0200	19 20	35 89	25 67	0 649		50008
OBS		0232	17 93	35 93	26 02			49908
STD		0250	17 48	35 95	26 14	0 759		49875
OBS		0279	16 73	35 98	26 35			49819
STD		0300	16 16	35 97	26 47	0 849		49773
OBS		0374	14 03	35 93	26 92			49591

Consec. Sta. No. 201		SURFACE OBSERVATIONS								
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH	
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE			
00865	AS34	03	29	1961	07	21° 30' N	068° 30' E	0091	01	

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
05	35		13	25	6			00	0	35	2			7		

SUBSURFACE OBSERVATIONS							
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓
STD	0000	25 72	36 00	23 90	0 000		50447
OBS	0000	25 72	36 00	23 90			50447
STD	0010	25 58	35 99	23 93	0 040		50441
OBS	0010	25 58	35 99	23 93			50441
STD	0020	25 54	35 99	23 94	0 080		50443
OBS	0020	25 54	35 99	23 94			50443
STD	0030	25 51	35 98	23 95	0 120		50446
OBS	0030	25 51	35 98	23 95			50446
OBS	0040	25 31	35 95	23 98			50435
STD	0050	24 71	35 89	24 12	0 198		50392
OBS	0050	24 71	35 89	24 12			50392
OBS	0060	24 34	35 96	24 29			50371
STD	0075	23 95	35 90	24 36	0 291		50346
OBS	0075	23 95	35 90	24 36			50346
OBS	0090	23 65	36 01	24 53			50335

Consec. Sta. No. 202		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS33	03	29	1961	12	21° 30' N		069° 30' E		0040	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
09	30		09	26	7		03	1	6	30	3			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	24 58	35 98	24 23	0 000		50358		
OBS	0000	24 58	35 98	24 23			50358		
STD	0010	24 52	35 97	24 24	0 037		50359		
OBS	0010	24 52	35 97	24 24			50359		
STD	0020	24 22	36 00	24 35	0 073		50342		
OBS	0020	24 22	36 00	24 35			50342		
STD	0030	24 22	35 96	24 32	0 109		50346		
OBS	0030	24 22	35 96	24 32			50346		
OBS	0035	24 23	35 95	24 31			50349		

Consec. Sta. No. 203		SURFACE OBSERVATIONS									
NODC REF. NO.	STATION	DATE				POSITION				SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE			
00865	AS32	03	29	1961	07	22° 30' N		068° 30' E		0022	00

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	35		13	26	7		03	5	4	35	2			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	25 07	36 44	24 43	0 000		50413		
OBS	0000	25 07	36 44	24 43			50413		
OBS	0005	24 70	36 44	24 54			50387		
STD	0010	24 60	36 44	24 57	0 034		50382		
OBS	0010	24 60	36 44	24 57			50382		
OBS	0015	24 64	36 44	24 56			50388		
STD	0020	24 63	36 44	24 56	0 068		50390		
OBS	0020	24 63	36 44	24 56			50390		

Consec. Sta. No. 204		SURFACE OBSERVATIONS										SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH
NODC REF. NO.	STATION	DATE				POSITION							
		MO.	DAY	YEAR	HOUR	LATITUDE		LONGITUDE					
00865	AS14	03	30	1961	10	23° 14' N		068° 17' E		0018	00		

WIND		ANEMO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMIDITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	31		10	25	6		03	4	6	31	2			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _i ↓		
STD	0000	25 00	36 15	24 23	0 000		50397		
OBS	0000	25 00	36 15	24 23			50397		
OBS	0005	24 98	36 16	24 24			50399		
STD	0010	24 65	36 16	24 34	0 036		50376		
OBS	0010	24 65	36 16	24 34			50376		
OBS	0015	24 64	36 15	24 34			50378		

Consec. Sta. No. 205											
SURFACE OBSERVATIONS											
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH		
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE				
00865	AS31	03	30	1961	15	22° 30' N	067° 30' E	0111	01		

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
04	24		10	23	9		00		0	24	2			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	26	26						
OBS	0000	26	26	38	52*	25	63*		
STD	0010	26	16	36	22	23	92		
OBS	0010	26	16	36	22	23	92		
STD	0020	26	08	36	24	23	96		
OBS	0020	26	08	36	24	23	96		
STD	0030	25	06	36	21	24	26		
OBS	0030	25	06	36	21	24	26		
OBS	0040	24	68	36	32	24	46		
STD	0050	24	44	36	33	24	54		
OBS	0050	24	44	36	33	24	54		
OBS	0060	24	04	36	29	24	63		
STD	0075	23	33	36	15	24	73		
OBS	0075	23	33	36	15	24	73		
OBS	0090	23	54*	36	36	24	83*		
STD	0100			36	35				
OBS	0105	18	33*	36	35	26	24*		

Consec. Sta. No. 206											
SURFACE OBSERVATIONS											
NODC REF. NO.	STATION	DATE				POSITION		SONIC DEPTH UNCORRECTED	MAX. SAMPLE DEPTH		
		MO.	DAY	YEAR	HOUR	LATITUDE	LONGITUDE				
00865	AS15	03	31	1961	06	23° 24' N	067° 32' E	0024	00		

WIND		ANEWO. HGT.	AIR PRESS.	AIR TEMPERATURE		HUMID- ITY	WEATHER	CLOUD		SEA		SWELL		VIS.	WATER	
SPEED	DIR.			DRY ↓	WET ↓			TYPE	AMT.	DIR.	AMT.	DIR.	AMT.		COL.	TRANS.
08	32		11	24	4		03	8	2	28	3			7		

SUBSURFACE OBSERVATIONS									
	SAMPLE DEPTH (M)	T °C ↓	S ‰ ↓	σ _t ↓	Σ ΔD ↓	O ₂ ml/l ↓	V _t ↓		
STD	0000	24	74	36	19	24	34	0 000	50379
OBS	0000	24	74	36	19	24	34		50379
OBS	0005	24	72	36	18	24	34		50379
STD	0010	24	61	36	18	24	37	0 036	50374
OBS	0010	24	61	36	18	24	37		50374
OBS	0015	24	59	36	18	24	38		50375
STD	0020	24	57	36	18	24	38	0 071	50376
OBS	0020	24	57	36	18	24	38		50376

APPENDIX B

CURRENT DATA

Cruise 00658
Cruise 00865

PERSIAN GULF

AND

STRAIT OF HORMUZ

1960 and 1961

(See Figures 1, 2, and 3, for station locations and ship's tracks)

CURRENTS

Current measurements were made at seven locations in the upper Persian Gulf, seven locations in the lower Persian Gulf, and eight locations in the Strait of Hormuz. Figure B-1 (appendix B) shows the station locations and the current directions. Figures B-2 through B-7 show the current data in the upper Persian Gulf during 1960; Figures B-8 through B-19 show current data in the lower Persian Gulf and the Strait of Hormuz during 1961.

Time of observation, direction, and speed of the current flow are indicated by an arrow on a horizontal time line. Direction is shown by the clockwise angle the arrow makes with vertical and the length of the arrow indicates the current velocity.

In the upper Persian Gulf, low velocities were usually recorded at high and low tide; velocities decreased slightly with depth at all stations. Current direction was the same at all depths except at station 23 in the south where the surface, mid-depth, and bottom currents (during a 6-hour period) were moving in a 330° , 270° , and 225° direction, respectively.

In the lower Persian Gulf, when currents at northern stations (numbers 5, 13, 22) moved in a northwest direction, currents at southern stations (numbers 9 and 18) flowed to the south; when the tide changed the current reversed and moved in the opposite direction. Velocities generally decreased slightly from surface to bottom. At stations 7 and 20, the direction was not consistent, and at times, the measurements at the three depths differed considerably in direction and speed.

In the Strait of Hormuz, water flowed into the Persian Gulf during flood and out during ebb. At stations 29 and 30, velocities decreased with depth; at stations 34, 35, and 36, surface, mid-depth, and bottom currents generally were not in phase, and at times water at one level was moving in opposite directions to that in other levels. At station 33, currents were considerably stronger than at station 34. In general, velocity decreased with depth, and direction showed water flowing into Clarence Strait during high tide and in the opposite direction during low tide. At station 40, current speed decreased with depth; direction was north during flood and south during ebb.

FIGURE B-1. CURRENT STATIONS SHOWING DIRECTION OF FLOW

STATION PG-14

DATE 17 and 18 FEBRUARY 1960

WATER DEPTH 70 FEET

STATION PG-12

DATE 18 and 19 FEBRUARY 1960

WATER DEPTH 75 FEET

FIGURE B-2. CURRENT DATA STATIONS PG-14 AND PG-12 UPPER PERSIAN GULF

DATE 21 and 22 FEBRUARY 1960

WATER DEPTH 180 FEET

1800 HOURS GMT

2400

0600

1200

FIGURE B-3. CURRENT DATA STATION PG-23 UPPER PERSIAN GULF

DATE 23 to 25 FEBRUARY 1960

WATER DEPTH 62 FEET

FIGURE B-4. CURRENT DATA STATION PG-25 UPPER PERSIAN GULF

STATION PG-25

DATE 25 and 26 FEBRUARY 1960

WATER DEPTH 60 FEET

STATION PG-17

DATE 26 and 27 FEBRUARY 1960

WATER DEPTH 190 FEET

2400 HOURS GMT

0600

1200

1800

FIGURE B-5. CURRENT DATA STATIONS PG-25 (CONTINUED) AND PG-17 UPPER PERSIAN GULF

DATE 28 FEBRUARY to 1 MARCH 1960

WATER DEPTH 55 FEET

FIGURE B-6. CURRENT DATA STATION PG-1 UPPER PERSIAN GULF

DATE 2 to 4 MARCH 1960

STATION PG-2

WATER DEPTH 45 FEET

1800 HOURS GMT

2400

0600

1200

SHIP SWINGING
NO OBS.

CURRENT SPEED
0 1 2
KNOTS

10 FEET

40 FEET

2400

0600

1200

1800

SHIP SWINGING

CURRENT SPEED
0 1 2
KNOTS

10 FEET

FIGURE B-7. CURRENT DATA STATION PG-2 UPPER PERSIAN GULF

DATE 4 and 5 JANUARY 1961

STATION 33

DATE 5 and 6 JANUARY 1961

STATION 34

WATER DEPTH 35 METERS

FIGURE 8-8. CURRENT DATA STATIONS 33 AND 34 STRAIT OF HORMUZ

DATE 7 to 9 JANUARY 1961

WATER DEPTH 55 METERS

FIGURE B-9. CURRENT DATA STATION 40 STRAIT OF HORMUZ

DATE 9 and 10 JANUARY 1961

STATION 40

WATER DEPTH 55 METERS

0600 HOURS GMT

1200

1800

2400

CURRENT SPEED
0 1 2
KNOTS

4 METERS

25 METERS

53 METERS

5 FT

0

TIDE CURVE

DATE 11 and 12 JANUARY 1961

STATION 36

WATER DEPTH 77 METERS

0600 HOURS GMT

1200

1800

2400

CURRENT SPEED
0 1 2
KNOTS

4 METERS

38 METERS

75 METERS

METER FOULED IN
NANSEN CAST

5 FT

0

TIDE CURVE

FIGURE 8-10. CURRENT DATA STATIONS 40 (CONTINUED) AND 36 STRAIT OF HORMUZ

STATION 29

DATE 13 and 14 JANUARY 1961

WATER DEPTH 52 METERS

STATION 30

DATE 14 to 16 JANUARY 1961

WATER DEPTH 73 METERS

FIGURE 8-11. CURRENT DATA STATIONS 29 AND 30 STRAIT OF HORMUZ

DATE 17 and 18 JANUARY 1961

WATER DEPTH 47 METERS

FIGURE 8-12. CURRENT DATA STATION 31 STRAIT OF HORMUZ

DATE 20 to 21 JANUARY 1961

STATION 18

WATER DEPTH 21 METERS

STATION 7

FIGURE 8-13. CURRENT DATA STATIONS 18 AND 7 LOWER PERSIAN GULF

STATION 5

DATE 27 to 29 JANUARY 1961

WATER DEPTH 55 METERS

FIGURE 8-14. CURRENT DATA STATION 5 LOWER PERSIAN GULF

STATION 9

DATE 30 and 31 JANUARY

WATER DEPTH 30 METERS

STATION 22

DATE 5 and 6 FEBRUARY 1961

WATER DEPTH 87 METERS

FIGURE B-15. CURRENT DATA STATIONS 9 AND 22 LOWER PERSIAN GULF

DATE 7 and 8 FEBRUARY 1961

WATER DEPTH 34 METERS

0600 HOURS GMT

1200

1800

2400

CURRENT SPEED
0 1 2
KNOTS

4 METERS

17 METERS

30 METERS

TIDE CURVE

FIGURE B-16. CURRENT DATA STATION 20 LOWER PERSIAN GULF

DATE 8 to 10 FEBRUARY 1961

WATER DEPTH 22 METERS

FIGURE 8-17. CURRENT DATA STATION 13 LOWER PERSIAN GULF

DATE 10 to 12 FEBRUARY 1961

FIGURE B-18. CURRENT DATA STATION 13 (CONTINUED) LOWER PERSIAN GULF

DATE 19 to 21 FEBRUARY 1961

WATER DEPTH 53plus METERS

FIGURE 8-19. CURRENT DATA STATION 35 STRAIT OF HORMUZ

APPENDIX C

BOTTOM SEDIMENT ANALYSIS SHEETS
(with various additional notes for explanation)

UPPER PERSIAN GULF 1960 SURVEY

Cruise 00658

LOWER PERSIAN GULF AND STRAIT OF HORMUZ 1961 SURVEY

GULF OF OMAN AND ARABIAN SEA 1961 SURVEY

Cruise 00865

(See Figures 1, 2, and 3, for sample locations)

EXPLANATION OF DATA PAGES
SEDIMENT ANALYSIS SHEETS

Results of bottom sediment sample analysis performed by the U.S. Naval Oceanographic Office are recorded on the sediment analysis sheets. Almost all bottom samples are analyzed weeks after the collection of the samples; therefore, various procedures normally carried out during a routine sediment analysis are not attempted. Determinations such as: wet density, water content, porosity, etc., are not possible after the samples have lost their "in situ" moisture; therefore, all values left blank on the analysis sheets indicate these values could not be accurately determined.

The following is a description of the terms employed on the sediment analysis sheets PRNC-NHO-1560 (Rev. 1-58):

1. Sample Number. A consecutive number, commencing with 1, applied to each bottom grab sample or core taken successively throughout the cruise.
2. Latitude. Expressed in degrees, minutes, and seconds.
3. Longitude. Expressed in degrees, minutes, and seconds.
4. Date. Day (GMT), month, and year.
5. Sampler Type. Identified by name of device employed.
6. Water Depth (fm.). The uncorrected sonic sounding recorded in fathoms.
7. Core Length (in.). Recorded in inches as observed in the laboratory. This information is not given when a grab sampler was employed.
8. Core Penetration (in.). Recorded in inches as observed in the field. This information is not given when a grab sampler was employed.
9. Laboratory Number. A reference number assigned to a fraction of a sample retained by the Laboratory.
10. Subsample Depth in Core (in.). Interval of the subsample as measured from the top of the core. Not applicable for a grab sample.

11. Color. Based on the Geological Society of America Rock-Color Chart. For those samples where color was not determined in the field, the sample was moistened in the laboratory for a color determination.

12. Odor. A qualitative description of any noticeable odors.

13. Wet Density (lbs/ft³). Density measured to the nearest tenth of a pound as determined by means of a "Mudwate" hydrometer.

14. Rigidsense (mm). Determined by means of a Rigidsense instrument and measured to the nearest millimeter. This test is no longer performed.

15. Maximum Porosity (%). The percentage of pore space in the total volume of the uncompacted sample not occupied by solid matter; computed by the formula:

$$P = 100(V - \frac{v}{V})$$

where P is the porosity in percent, V is the bulk volume, and v is the aggregate volume of the grains.

16. Minimum Porosity (%). The percentage of pore space in the total volume of the compacted sample not occupied by solid matter; computed by the same formula as given in maximum porosity.

17. Water Content (%). Ratio of the weight of water in a sample to the weight of the dried sample expressed in percent.

18. Organic Carbon Content (%). Based on the Schollenberger method of organic carbon determination by reduction of chromic acid.

19. Size Analysis and Statistical Measures. Sample size fraction values are based on dry weight and given in phi (ϕ) units to the nearest whole percent. An American Instrument Company sieving machine and U.S. standard sieves were used for determining sand and larger size fractions ($>1/16$ mm). The pipette method, based on Stokes Law (for computing settling rates of spherical particles), was used to determine silt size ($1/16$ to $1/1256$ mm) and clay size particles ($1/1256$ to $1/4096$ mm). Any colloidal material ($<1/4096$ mm) was included with the clay.

QD ϕ - (phi quartile deviation). Is that statistical parameter which is a measure of one half of the spread of the quartiles and is expressed in phi units with the given value computed from the formula:

$$QD\phi = \frac{Q_{3\phi} - Q_{1\phi}}{2}$$

$Sk\phi$ - (phi quartile skewness). Is that statistical parameter which is a measure of half the sum of the first and third quartile values less the median and is expressed in phi units with the given value computed from the formula:

$$Sk\phi = \frac{Q_{1\phi} + Q_{3\phi}}{2} - Md\phi$$

$Md\phi$ - (phi median). Is the middlemost member of the distribution curve above which 50 percent of the diameters in the distribution are larger and below which 50 percent of the diameters are smaller and is expressed in phi units.

The following table is presented for the conversion of phi units to millimeters: $\phi = \log_2 \text{diameter (millimeters)}$

<u>Phi (ϕ)</u>	<u>Millimeters</u>	<u>Geological Classification</u>
-2	4.0	Granule
-1	2.0	
0	1.0	
1	0.50	
2	0.25	Sand
3	0.125	
4	0.0625	
5	0.0313	
6	0.0156	Silt
7	0.0078	
8	0.0039	
9	0.00195	
>9	-----	Clay

20. Subsample Dry Weight (gm.). Total dry weight of the subsample.

21. Sphericity (avg.). A measure of the approach of the grain to the form of a sphere and expressed as one of the following: high, medium high, medium, medium low, or low. The laboratory procedure was to take an average sample from the sand and larger size grains that passed through a 35 mm but remained on a 230 mm sieve. This sample was viewed under a microscope. To determine the sphericity, a comparison was made of the viewed sample with a chart based on Wadell's method.

22. Roundness (avg.). A function of the sharpness of the grain edges and recorded as one of the following: very angular, angular, subangular, subrounded, rounded, or well rounded. Determination and laboratory procedures were the same as for Sphericity.

23. Surface Texture (avg.). A description of the physical appearance of the grain based on the scheme proposed by Krumbein and Pettijohn. These descriptions are recorded as dull or polished and one of the following: smooth, striated, faceted, frosted, pitted, or etched.

24, 25, and 26. Dominant, Secondary, and Other Minerals (%). A visual estimate based on microscopic examination of the sand size and larger material recorded in percent.

27. Remarks: Sediment Type - determined by the sand, silt, and clay ratios of the sample based on the F. P. Shepard sediment triangle (Fig. B-1).

Figure C-1. Nomenclature of Sediment Types (after Shepard, 1954, Journal of Sedimentary Petrology, vol. 24, p. 157).

EXPLANATION OF DATA PAGES OCEANOGRAPHIC LOG SHEET R

The following is a description of the terms employed on the Sediment Analysis Summary Sheet oceanographic log sheet R PRNC-NHO-3167/18 (Rev. 4-60):

1. Cruise Number. The NODC Reference Number. (See page appendix A.)
2. Sample Number. A consecutive number, commencing with 1, applied to each bottom grab sample or core taken successively throughout the cruise. Prefix of BS (bottom sample) is given, and the assigned oceanographic station number is shown.
3. Sampler Type. Identified by name of device employed.
4. Latitude. Expressed in degrees and minutes.
5. Longitude. Expressed in degrees and minutes.
6. Date. Day (GMT), month, and year.
7. Water Depth (meters). The uncorrected sonic sounding recorded in meters.
8. Core length (cm). Recorded in centimeters as observed in the laboratory. (Not given when grab sampler was employed.)
9. Core Penetration (cm). Recorded in centimeters as observed in the field. (Not given when grab sampler was employed.)
10. Laboratory Number. A reference number assigned to a fraction of a sample retained by the laboratory.
11. Sub Sample Depth in Core (cm). Interval of sub sample as measured in centimeters from top of the core.
12. Color. Based on the Geological Society of America Rock-Color Chart. For those samples where color was not determined in the field, the sample was moistened in the laboratory for a color determination.
13. Odor. A qualitative description of any noticeable odors.
14. Size Analysis and Statistical Measures. (See pages 183 and 184 and Fig. C-1.)
15. Chemical Analysis. Percentages, by weight, of (a) CaCO_3 and (b) Organic carbon.

SEDIMENT ANALYSIS SHEET PAC-501-160 (Rev. 1-58)

1. SAMPLE NUMBER	Serial #1, Station 78-14	5. SAMPLER TYPE	Phleger
2. LATITUDE	59 N	6. WATER DEPTH (m.)	12
3. LONGITUDE	50 40 E	7. CORE LENGTH (m.)	17 1/2
4. DATE (day, month, year)	18 February 1960	8. CORE PENETRATION (m.)	24
9. LABORATORY NUMBERS	5511		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR	Greenish Gray* Greenish Gray		
12. 0009	5511/1		
13. WET DENSITY (lb./ft. ³)			
14. RHOI DENSITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			

a. $< -2\phi$ (%)	00 ₂	00 ₂	00 ₂
b. -2ϕ to -1ϕ (%)	38 ₂	38 ₂	38 ₂
c. -1ϕ to 0ϕ (%)	46 ₂ 8.90	46 ₂	46 ₂
d. 0ϕ to 1ϕ (%)	01 ₂ 7.34	01 ₂	01 ₂
e. 1ϕ to 2ϕ (%)	03 ₂	03 ₂	03 ₂
f. 2ϕ to 3ϕ (%)			
g. 3ϕ to 4ϕ (%)			
h. 4ϕ to 5ϕ (%)	7	5	4
i. 5ϕ to 6ϕ (%)	43	45	44
j. $> 6\phi$ (%)	49	49	51
20. SUBSAMPLE DRY WEIGHT (gm)	1227	1719	1309
21. SPHERICITY (avg)			
22. ROUNDNESS (avg)			
23. SURFACE TEXTURE (avg)			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			

27. REMARKS: Zone 11-26 determined in the lab.
*With Medium Gray streaks (n5).

Sediment Type: Clayey silt, Clayey silt, Silty Clay

NAVY-SP-160C (Rev. 1-58)

SEDIMENT ANALYSIS SHEET PAC-501-160 (Rev. 1-58)

1. SAMPLE NUMBER	Serial #2, Station 78-12	5. SAMPLER TYPE	Phleger
2. LATITUDE	59 14 N	6. WATER DEPTH (m.)	12
3. LONGITUDE	50 01 E	7. CORE LENGTH (m.)	
4. DATE (day, month, year)	19 February 1960	8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	5512		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR			
12. 0009			
13. WET DENSITY (lb./ft. ³)			
14. RHOI DENSITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			

a. $< -2\phi$ (%)	00 ₂	00 ₂	00 ₂
b. -2ϕ to -1ϕ (%)	38 ₂	38 ₂	38 ₂
c. -1ϕ to 0ϕ (%)	46 ₂	46 ₂	46 ₂
d. 0ϕ to 1ϕ (%)	01 ₂	01 ₂	01 ₂
e. 1ϕ to 2ϕ (%)	03 ₂	03 ₂	03 ₂
f. 2ϕ to 3ϕ (%)			
g. 3ϕ to 4ϕ (%)			
h. 4ϕ to 5ϕ (%)			
i. 5ϕ to 6ϕ (%)			
j. $> 6\phi$ (%)			
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPHERICITY (avg)			
22. ROUNDNESS (avg)			
23. SURFACE TEXTURE (avg)			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

* THE SAMPLE WAS COMPOSED OF SHELL FRAGMENTS, INSUFFICIENT SAMPLE FOR ANALYSIS.

SEDIMENT ANALYSIS SHEET
PRC-HQ-1860 (Rev. 1-68)

1. SAMPLE NUMBER *Special 3: Station R-2* 5. SAMPLER TYPE *Triangular Dredge*

2. LATITUDE *29° 14' N* 5. WATER DEPTH (m.) *12*

3. LONGITUDE *81° E* 7. CORE LENGTH (in.)

4. DATE (Day, month, year) *19 February 1960* 8. CORE PENETRATION (in.)

9. LABORATORY NUMBER *5491*

10. SUBSAMPLE DEPTH IN CORE (in.)

11. COLOR

12. ODOR

13. NET DENSITY (lb./ft.³)

14. RIGIDITY (mm)

15. MAXIMUM POROSITY (%)

16. MINIMUM POROSITY (%)

17. WATER CONTENT (%)

18. ORGANIC CARBON CONTENT (%)

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < -2 _φ (s)	0 _φ	5 _φ	10 _φ	20 _φ	30 _φ	40 _φ	50 _φ	60 _φ	70 _φ	80 _φ	90 _φ	100 _φ
b. -2 _φ to -1 _φ (s)	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ
c. -1 _φ to 0 _φ (s)	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ
d. 0 _φ to 1 _φ (s)	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}
e. 1 _φ to 2 _φ (s)	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}
f. 2 _φ to 3 _φ (s)	1	1	1	1	1	1	1	1	1	1	1	1
g. 3 _φ to 4 _φ (s)	4	4	4	4	4	4	4	4	4	4	4	4
h. 4 _φ to 5 _φ (s)	10	10	10	10	10	10	10	10	10	10	10	10
i. 5 _φ to 6 _φ (s)	22	22	22	22	22	22	22	22	22	22	22	22
j. > 6 _φ (s)	28	28	28	28	28	28	28	28	28	28	28	28

20. SUBSAMPLE DRY WEIGHT (gm)

21. SPHERICITY (avg.)

22. ROUNDNESS (avg.)

23. SURFACE TEXTURE (avg.)

24. DOMINANT MINERAL (%)

25. SECONDARY MINERAL (%)

26. OTHER MINERALS (%)

27. REMARKS:

THE SAMPLE WAS COMPOSED OF CORAL, BRANNCLES, AND CALCAREOUS PEBBLES.

1. SAMPLE NUMBER *Special 3: Station R-2* 5. SAMPLER TYPE *Triangular Dredge*

2. LATITUDE *29° 14' N* 5. WATER DEPTH (m.) *12*

3. LONGITUDE *81° E* 7. CORE LENGTH (in.)

4. DATE (Day, month, year) *19 February 1960* 8. CORE PENETRATION (in.)

9. LABORATORY NUMBER *5491*

1. SAMPLE NUMBER *Special 3: Station R-2* 5. SAMPLER TYPE *Phleger*

2. LATITUDE *29° 32' N* 5. WATER DEPTH (m.) *7*

3. LONGITUDE *81° E* 7. CORE LENGTH (in.) *10*

4. DATE (Day, month, year) *20 February 1960* 8. CORE PENETRATION (in.) *18*

9. LABORATORY NUMBER *5514*

10. SUBSAMPLE DEPTH IN CORE (in.) *2-4 1/4*

11. COLOR *Light Olive Gray 5/10*

12. ODOR *Light Olive Gray 5/10*

13. NET DENSITY (lb./ft.³)

14. RIGIDITY (mm)

15. MAXIMUM POROSITY (%)

16. MINIMUM POROSITY (%)

17. WATER CONTENT (%)

18. ORGANIC CARBON CONTENT (%)

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < -2 _φ (s)	0 _φ	5 _φ	10 _φ	20 _φ	30 _φ	40 _φ	50 _φ	60 _φ	70 _φ	80 _φ	90 _φ	100 _φ
b. -2 _φ to -1 _φ (s)	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ	SK _φ
c. -1 _φ to 0 _φ (s)	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ	M _φ
d. 0 _φ to 1 _φ (s)	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}	0 _{1φ}
e. 1 _φ to 2 _φ (s)	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}	0 _{2φ}
f. 2 _φ to 3 _φ (s)	2	2	2	2	2	2	2	2	2	2	2	2
g. 3 _φ to 4 _φ (s)	4	4	4	4	4	4	4	4	4	4	4	4
h. 4 _φ to 5 _φ (s)	10	10	10	10	10	10	10	10	10	10	10	10
i. 5 _φ to 6 _φ (s)	22	22	22	22	22	22	22	22	22	22	22	22
j. > 6 _φ (s)	28	28	28	28	28	28	28	28	28	28	28	28

20. SUBSAMPLE DRY WEIGHT (gm)

21. SPHERICITY (avg.)

22. ROUNDNESS (avg.)

23. SURFACE TEXTURE (avg.)

24. DOMINANT MINERAL (%)

25. SECONDARY MINERAL (%)

26. OTHER MINERALS (%)

27. REMARKS: Items 11-16 determined in the lab

The core contained numerous shell fragments in the first 4 1/4 inches.

1. SAMPLE NUMBER *Special 3: Station R-2* 5. SAMPLER TYPE *Phleger*

2. LATITUDE *29° 32' N* 5. WATER DEPTH (m.) *7*

3. LONGITUDE *81° E* 7. CORE LENGTH (in.) *10*

4. DATE (Day, month, year) *20 February 1960* 8. CORE PENETRATION (in.) *18*

SEDIMENT ANALYSIS SHEET
PAC-MOD-1500 (REV. 1-83)

1. SAMPLE NUMBER	Sediment Station PG-20		5. SAMPLER TYPE	Phleger	
2. LATITUDE	29	06	6. WATER DEPTH (m.)	80	
3. LONGITUDE	50	50	7. CORE LENGTH (m.)	10	
4. DATE (day, month, year)	20 February 1960		8. CORE PENETRATION (m.)	18	
9. LABORATORY NUMBERS	5517				
10. SUBSAMPLE DEPTH IN CORE (m.)	0-3				
11. COLOR	Light Olive Gray 5517				
12. ODR					
13. WET DENSITY (lb./ft. ³)					
14. RIGIDITY (cm)					
15. MAXIMUM POROSITY (%)					
16. MINIMUM POROSITY (%)					
17. WATER CONTENT (%)					
18. ORGANIC CARBON CONTENT (%)					
19. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. ϕ - ϕ_{25} (%)	00 ϕ	00 ϕ	00 ϕ	00 ϕ	00 ϕ
b. ϕ_{25} to ϕ_{75} (%)	50 ϕ	50 ϕ	50 ϕ	50 ϕ	50 ϕ
c. ϕ_{75} to ϕ_{100} (%)	1	1	1	1	1
d. ϕ_{100} to ϕ_{200} (%)	1	1	1	1	1
e. ϕ_{200} to ϕ_{400} (%)	3	3	3	3	3
f. ϕ_{400} to ϕ_{600} (%)	8	8	8	8	8
g. ϕ_{600} to ϕ_{800} (%)	8	8	8	8	8
h. ϕ_{800} to ϕ_{1000} (%)	9	9	9	9	9
i. ϕ_{1000} to ϕ_{2000} (%)	19	19	19	19	19
j. ϕ_{2000} to ϕ_{4000} (%)	19	19	19	19	19
k. ϕ_{4000} to ϕ_{6000} (%)	35	35	35	35	35
20. SUBSAMPLE DRY WEIGHT (mg)	85.41		1702		
21. SPHERICITY (avg.)					
22. ROUNDNESS (avg.)					
23. SURFACE TEXTURE (avg.)					
24. DOMINANT MINERAL (%)					
25. SECONDARY MINERAL (%)					
26. OTHER MINERALS (%)					
27. REMARKS: Items 11-26 determined in the lab.					

Sediment Type Silty Mud Sandy Mud

DATE: 20 FEB 1960

SEDIMENT ANALYSIS SHEET
PAC-MOD-1500 (REV. 1-83)

1. SAMPLE NUMBER	Sediment Station PG-24		5. SAMPLER TYPE	Phleger	
2. LATITUDE	27	22	6. WATER DEPTH (m.)	32	
3. LONGITUDE	51	07	7. CORE LENGTH (m.)	9	
4. DATE (day, month, year)	20 February 1960		8. CORE PENETRATION (m.)	18	
9. LABORATORY NUMBERS	5503				
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2				
11. COLOR	Pink, Olive w/ yellow gray 5503				
12. ODR					
13. WET DENSITY (lb./ft. ³)					
14. RIGIDITY (cm)					
15. MAXIMUM POROSITY (%)					
16. MINIMUM POROSITY (%)					
17. WATER CONTENT (%)					
18. ORGANIC CARBON CONTENT (%)					
19. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. ϕ - ϕ_{25} (%)	00 ϕ	00 ϕ	00 ϕ	00 ϕ	00 ϕ
b. ϕ_{25} to ϕ_{75} (%)	50 ϕ	50 ϕ	50 ϕ	50 ϕ	50 ϕ
c. ϕ_{75} to ϕ_{100} (%)	1	1	1	1	1
d. ϕ_{100} to ϕ_{200} (%)	1	1	1	1	1
e. ϕ_{200} to ϕ_{400} (%)	2	2	2	2	2
f. ϕ_{400} to ϕ_{600} (%)	4	4	4	4	4
g. ϕ_{600} to ϕ_{800} (%)	17	17	17	17	17
h. ϕ_{800} to ϕ_{1000} (%)	23	23	23	23	23
i. ϕ_{1000} to ϕ_{2000} (%)	19	19	19	19	19
j. ϕ_{2000} to ϕ_{4000} (%)	34	34	34	34	34
20. SUBSAMPLE DRY WEIGHT (mg)	11.66		21.70		
21. SPHERICITY (avg.)					
22. ROUNDNESS (avg.)					
23. SURFACE TEXTURE (avg.)					
24. DOMINANT MINERAL (%)					
25. SECONDARY MINERAL (%)					
26. OTHER MINERALS (%)					
27. REMARKS: Items 11-26 DETERMINED IN THE LAB.					

Sediment Type Silty Mud Silty Mud

DATE: 20 FEB 1960

SEDIMENT ANALYSIS SHEET
PRINC-110-160 (REV. 1-58)

1. SAMPLE NUMBER	Serial #13 Station P2-23	5. SAMPLER TYPE	Phloger
2. LATITUDE	27 06 44 N	6. WATER DEPTH (m.)	30
3. LONGITUDE	50 44 E	7. CORE LENGTH (in.)	5
4. DATE (Day, month, year)	22 February 1960	8. CORE PENETRATION (in.)	14
9. LABORATORY NUMBERS	5521		
10. SUBSAMPLE DEPTH IN CORE (in.)	0-5		
11. COLOR	Light Olive Gray 5592		
12. DOOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 _φ (%)	00-2.0	OD _φ	OD _φ
b. -2 _φ to -1 _φ (%)	5	SK _φ	SK _φ
c. -1 _φ to 0 _φ (%)	7	MG _φ	MG _φ
d. 0 _φ to 1 _φ (%)	10	01 _φ	01 _φ
e. 1 _φ to 2 _φ (%)	12	02 _φ	02 _φ
f. 2 _φ to 3 _φ (%)	13		
g. 3 _φ to 4 _φ (%)	15		
h. 4 _φ to 5 _φ (%)	14		
i. 5 _φ to 6 _φ (%)	9		
j. > 6 _φ (%)	14		
20. SUBSAMPLE DRY WEIGHT (gm)	19.87		
21. SPHERICITY (avg.)			
22. ROUNDNESS (avg.)			
23. SURFACE TEXTURE (avg.)			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERALS (%)			
26. OTHER MINERALS (%)			
27. REMARKS: Items 11-20 determined in the lab.			

Sediment Type Silty Sand

UNIVERSITY OF CALIFORNIA

SEDIMENT ANALYSIS SHEET
PRINC-110-160 (REV. 1-58)

1. SAMPLE NUMBER	Serial #25 Station P2-25	5. SAMPLER TYPE	Phloger
2. LATITUDE	27 42 N	6. WATER DEPTH (m.)	30
3. LONGITUDE	51 25 E	7. CORE LENGTH (in.)	14
4. DATE (Day, month, year)	23 February 1960	8. CORE PENETRATION (in.)	24
9. LABORATORY NUMBERS	5522		
10. SUBSAMPLE DEPTH IN CORE (in.)	0-2		
11. COLOR	Greenish Gray 5634/1		
12. DOOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 _φ (%)	00 _φ	OD _φ	OD _φ
b. -2 _φ to -1 _φ (%)	SK _φ	SK _φ	SK _φ
c. -1 _φ to 0 _φ (%)	MG _φ 895	MG _φ	MG _φ
d. 0 _φ to 1 _φ (%)	01 _φ 745	01 _φ	01 _φ
e. 1 _φ to 2 _φ (%)	02 _φ	02 _φ	02 _φ
f. 2 _φ to 3 _φ (%)			
g. 3 _φ to 4 _φ (%)			
h. 4 _φ to 5 _φ (%)	6		
i. 5 _φ to 6 _φ (%)	44		
j. > 6 _φ (%)	49		
20. SUBSAMPLE DRY WEIGHT (gm)	15.08		
21. SPHERICITY (avg.)			
22. ROUNDNESS (avg.)			
23. SURFACE TEXTURE (avg.)			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERALS (%)			
26. OTHER MINERALS (%)			
27. REMARKS: Items 11-20 determined in the lab.			

Sediment Type Clayey Silt

UNIVERSITY OF CALIFORNIA

SEDIMENT ANALYSIS SHEET
PRC-400-1550 (Rev. 1-58)

1. SAMPLE NUMBER	Serial 19, Station 29-22		5. SAMPLER TYPE	Phleger
2. LATITUDE	27° 40'	N	5. WATER DEPTH (m.)	30
3. LONGITUDE	80° 36'	E	7. CORE LENGTH (in.)	4 1/2
4. DATE (day, month, year)	26 February 1960		8. CORE PENETRATION (in.)	18
9. LABORATORY NUMBERS	5519			
10. SUBSAMPLE DEPTH IN CORE (in.)	0-2			
11. COLOR	Light Olive Gray 5Y 5/2			
12. DIB				
13. WET DENSITY (lb./ft ³)				
14. RIGIDITY (mm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. < 2 _φ (%)	100	2.69	100	2.62
b. < 2 _φ to -1 _φ (%)	2	0.39	2	0.42
c. -1 _φ to 0 _φ (%)	4	5.20	6	4.00
d. 0 _φ to 1 _φ (%)	6	2.90	11	1.40
e. 1 _φ to 2 _φ (%)	6	8.29	14	6.65
f. 2 _φ to 3 _φ (%)	8		12	
g. 3 _φ to 4 _φ (%)	9		5	
h. 4 _φ to 5 _φ (%)	27		20	
i. 5 _φ to 6 _φ (%)	15		12	
j. > 6 _φ (%)	24		18	
20. SUBSAMPLE DRY WEIGHT (gm)	1928			
21. SPHERICITY (avg)				
22. ROUNDNESS (avg)				
23. SURFACE TEXTURE (avg)				
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS: Items 11-26 determined in the lab.				

Sediment Type Silty Mud Silty Sand

WATER DEPTH (m.)

SEDIMENT ANALYSIS SHEET
PRC-400-1550 (Rev. 1-58)

1. SAMPLE NUMBER	Serial 19, Station 26, 17		5. SAMPLER TYPE	Phleger
2. LATITUDE	28° 17'	N	5. WATER DEPTH (m.)	30
3. LONGITUDE	80° 06'	E	7. CORE LENGTH (in.)	3"
4. DATE (day, month, year)	27 February 1960		8. CORE PENETRATION (in.)	15
9. LABORATORY NUMBERS	5493			
10. SUBSAMPLE DEPTH IN CORE (in.)				
11. COLOR	Light Olive Gray 5Y 5/2			
12. DIB				
13. WET DENSITY (lb./ft ³)				
14. RIGIDITY (mm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. < 2 _φ (%)	100	2.96	100	2.96
b. < 2 _φ to -1 _φ (%)	5	4.01	5	4.01
c. -1 _φ to 0 _φ (%)	6	3.80	6	3.80
d. 0 _φ to 1 _φ (%)	7	1.85	7	1.85
e. 1 _φ to 2 _φ (%)	8	2.77	8	2.77
f. 2 _φ to 3 _φ (%)	13		13	
g. 3 _φ to 4 _φ (%)	13		13	
h. 4 _φ to 5 _φ (%)	15		15	
i. 5 _φ to 6 _φ (%)	15		15	
j. > 6 _φ (%)	17		17	
20. SUBSAMPLE DRY WEIGHT (gm)	2132			
21. SPHERICITY (avg)				
22. ROUNDNESS (avg)				
23. SURFACE TEXTURE (avg)				
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS: Items 11-26 determined in the lab.				

Sediment Type Silty Sand

WATER DEPTH (m.)

SEDIMENT ANALYSIS SHEET
PRC-MID-1500 (Rev. 1-58)

1. SAMPLE NUMBER	Serial 11; Station Pz 10	5. SIMPLER TYPE	Phleger
2. LATITUDE	28 44' N	5. WATER DEPTH (m.)	25
3. LONGITUDE	44 48' E	7. CORE LENGTH (m.)	6
4. DATE (day, month, year)	28 February 1960	8. CORE PENETRATION (m.)	12
9. LABORATORY NUMBERS	55017		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-3		
11. COLOR	Light brown gray 5Y 5/2		
12. DOOR			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDNESS (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < ϕ_2 (%)	00	3.05	00
b. ϕ_2 to ϕ_1 (%)	3	38.4	38
c. ϕ_1 to ϕ_0 (%)	7	46.5	46
d. ϕ_0 to ϕ_1 (%)	9	01.55	01
e. ϕ_1 to ϕ_2 (%)	11	03.765	03
f. ϕ_2 to ϕ_3 (%)	17		
g. ϕ_3 to ϕ_4 (%)	10		
h. ϕ_4 to ϕ_5 (%)	13		
i. ϕ_5 to ϕ_6 (%)	10		
j. > ϕ_6 (%)	20		
20. SUBSAMPLE DRY WEIGHT (m)		20.79	
21. SPHERICITY (avg.)			
22. ROUNDNESS (avg.)			
23. SURFACE TEXTURE (avg.)			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			

27. REMARKS: ITEMS 11-26 DETERMINED IN THE LAB.

Sediment Type: Sandy Mud

WATER DEPTH (m.) 25

SEDIMENT ANALYSIS SHEET
PRC-MID-1500 (Rev. 1-58)

1. SAMPLE NUMBER	Serial 12; Station Pz 9A	5. SIMPLER TYPE	Phleger
2. LATITUDE	28 43' N	5. WATER DEPTH (m.)	20
3. LONGITUDE	48 54' E	7. CORE LENGTH (m.)	8.5
4. DATE (day, month, year)	28 February 1960	8. CORE PENETRATION (m.)	24
9. LABORATORY NUMBERS	55068		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR	Greenish Gray 5G 2/1		
12. DOOR			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDNESS (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < ϕ_2 (%)	00	00	00
b. ϕ_2 to ϕ_1 (%)	3	38.4	38
c. ϕ_1 to ϕ_0 (%)	7	46.5	46
d. ϕ_0 to ϕ_1 (%)	1	01.55	01
e. ϕ_1 to ϕ_2 (%)	1	03.765	03
f. ϕ_2 to ϕ_3 (%)	5	13	
g. ϕ_3 to ϕ_4 (%)	6	8	
h. ϕ_4 to ϕ_5 (%)	8.5	19	
i. ϕ_5 to ϕ_6 (%)	19	15	
j. > ϕ_6 (%)	44	29	
20. SUBSAMPLE DRY WEIGHT (m)		15.39	20.44
21. SPHERICITY (avg.)			
22. ROUNDNESS (avg.)			
23. SURFACE TEXTURE (avg.)			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			

27. REMARKS: Items 11-26 determined in the lab.

Sediment Type: Clayey Silt

Sandy Mud

WATER DEPTH (m.) 20

SEDIMENT ANALYSIS SHEET PACIFIC LAB (REV. 1-6-63)

1. SAMPLE NUMBER	Serial 113 : Station 72-1	5. SAMPLER TYPE	Phleger
2. LATITUDE	49° 3'	6. WATER DEPTH (m.)	N
3. LONGITUDE	48° E	7. CORE LENGTH (m.)	10
4. DATE (Day, month, year)	29 February 1960	8. CORE PENETRATION (m.)	18
9. LABORATORY NUMBERS	55491		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR	Light Olive Gray* 5/6/1		
12. DIBOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	100	60 ₅	100
b. < 2 ₅ to < 1 ₅ (%)	2	38 ₅	58 ₅
c. < 1 ₅ to 0 ₅ (%)	3	46 ₅	46 ₅
d. 0 ₅ to 1 ₅ (%)	2	0 ₅	0 ₅
e. 1 ₅ to 2 ₅ (%)	1	92 ₅	92 ₅
f. 2 ₅ to 3 ₅ (%)	13		93 ₅
g. 3 ₅ to 4 ₅ (%)	9		
h. 4 ₅ to 6 ₅ (%)	10		
i. 6 ₅ to 9 ₅ (%)	23		
j. > 9 ₅ (%)	37		
20. SUBSAMPLE DRY WEIGHT (gm)	21.39		16.82
21. SPHERICITY (avg)			
22. ROUNDNESS (avg.)			
23. SURFACE TEXTURE (avg.)			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	Items 11-26 determined in the lab. The sample contained a vertical layer of sand and shell extending from 0-4'. *With dirt streaks.		

Sediment Type: Clayey Mud, Sandy Mud

SEDIMENT ANALYSIS SHEET PACIFIC LAB (REV. 1-6-63)

1. SAMPLE NUMBER	Serial 114 : Station 27-2	5. SAMPLER TYPE	Phleger
2. LATITUDE	49° 15'	6. WATER DEPTH (m.)	20
3. LONGITUDE	48° E	7. CORE LENGTH (m.)	3
4. DATE (Day, month, year)	2 March 1960	8. CORE PENETRATION (m.)	14
9. LABORATORY NUMBERS	55492		
10. SUBSAMPLE DEPTH IN CORE (m.)	Light Olive Gray 5Y 5/2		
11. COLOR			
12. DIBOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	100	60 ₅	100
b. < 2 ₅ to < 1 ₅ (%)	2.28	38 ₅	58 ₅
c. < 1 ₅ to 0 ₅ (%)	3	46 ₅	46 ₅
d. 0 ₅ to 1 ₅ (%)	5	0 ₅	0 ₅
e. 1 ₅ to 2 ₅ (%)	5	92 ₅	92 ₅
f. 2 ₅ to 3 ₅ (%)	7		
g. 3 ₅ to 4 ₅ (%)	14		
h. 4 ₅ to 6 ₅ (%)	29		
i. 6 ₅ to 9 ₅ (%)	15		
j. > 9 ₅ (%)	22		
20. SUBSAMPLE DRY WEIGHT (gm)	29.91		
21. SPHERICITY (avg)			
22. ROUNDNESS (avg.)			
23. SURFACE TEXTURE (avg.)			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	Items 11-26 DETERMINED IN THE LAB.		

Sediment Type: Silty Mud

SEDIMENT ANALYSIS SHEET PAC-400-160 (REV. 1-68)

1. SAMPLE NUMBER	29	35	57	2	March 1960	5-497	Greenan Bay 5 61% 4	Greenan Bay 5 61% 4	5. SIMPLER TYPE	Phlogol	3
2. LATITUDE	29	35	57	2	March 1960	5-497	Greenan Bay 5 61% 4	Greenan Bay 5 61% 4	5. WATER DEPTH (m.)	N	8
3. LONGITUDE	40	57	57	2	March 1960	5-497	Greenan Bay 5 61% 4	Greenan Bay 5 61% 4	7. CORE LENGTH (m.)	E	16
4. DATE (day, month, year)	29	35	57	2	March 1960	5-497	Greenan Bay 5 61% 4	Greenan Bay 5 61% 4	8. CORE PENETRATION (m.)	21	
5. LABORATORY NUMBERS											
10. SUBSAMPLE DEPTH IN CORE (m.)											
11. COLOR											
12. DOOR											
13. NET DENSITY (lb./ft. ³)											
14. RIGIDNESS (cm)											
15. MAXIMUM POROSITY (%)											
16. MINIMUM POROSITY (%)											
17. WATER CONTENT (%)											
18. ORGANIC CARBON CONTENT (%)											
19. SIZE ANALYSIS AND STATISTICAL MEASURES											
a. < 2 ₅ (%)											
b. -2 ₅ to -1 ₆ (%)											
c. -1 ₆ to 0 ₁ (%)											
d. 0 ₁ to 1 ₆ (%)											
e. 1 ₆ to 2 ₅ (%)											
f. 2 ₅ to 3 ₆ (%)											
g. 3 ₆ to 4 ₆ (%)											
h. 4 ₆ to 6 ₁ (%)											
i. 6 ₁ to 9 ₁ (%)											
j. > 9 ₁ (%)											
20. SUBSAMPLE DRY WEIGHT (gm)											
21. SPHERICITY (avg.)											
22. ROUNDNESS (avg.)											
23. SURFACE TEXTURE (avg.)											
24. DOMINANT MINERAL (%)											
25. SECONDARY MINERAL (%)											
26. OTHER MINERALS (%)											
27. REMARKS											

ITEMS 11-26 DETERMINED IN THE LAB.

* THE SAMPLE CONTAINED DARK STREAKS EXTENDING FROM 0-2".

Sediment Type Silty Clay Silty Clay Silty Clay

DATE OF THIS SHEET: 1-68

SEDIMENT ANALYSIS SHEET PAC-400-160 (REV. 1-68)

1. SAMPLE NUMBER	29	47	32	3	March 1960	5-496	Living Cove 5 Y 6 1/2 *	Living Cove 5 Y 6 1/2 *	5. SIMPLER TYPE	Phlogol	2
2. LATITUDE	29	47	32	3	March 1960	5-496	Living Cove 5 Y 6 1/2 *	Living Cove 5 Y 6 1/2 *	5. WATER DEPTH (m.)	N	8
3. LONGITUDE	40	32	32	3	March 1960	5-496	Living Cove 5 Y 6 1/2 *	Living Cove 5 Y 6 1/2 *	7. CORE LENGTH (m.)	E	7 1/2
4. DATE (day, month, year)	29	47	32	3	March 1960	5-496	Living Cove 5 Y 6 1/2 *	Living Cove 5 Y 6 1/2 *	8. CORE PENETRATION (m.)	14	
5. LABORATORY NUMBERS											
10. SUBSAMPLE DEPTH IN CORE (m.)											
11. COLOR											
12. DOOR											
13. NET DENSITY (lb./ft. ³)											
14. RIGIDNESS (cm)											
15. MAXIMUM POROSITY (%)											
16. MINIMUM POROSITY (%)											
17. WATER CONTENT (%)											
18. ORGANIC CARBON CONTENT (%)											
19. SIZE ANALYSIS AND STATISTICAL MEASURES											
a. < 2 ₅ (%)											
b. -2 ₅ to -1 ₆ (%)											
c. -1 ₆ to 0 ₁ (%)											
d. 0 ₁ to 1 ₆ (%)											
e. 1 ₆ to 2 ₅ (%)											
f. 2 ₅ to 3 ₆ (%)											
g. 3 ₆ to 4 ₆ (%)											
h. 4 ₆ to 6 ₁ (%)											
i. 6 ₁ to 9 ₁ (%)											
j. > 9 ₁ (%)											
20. SUBSAMPLE DRY WEIGHT (gm)											
21. SPHERICITY (avg.)											
22. ROUNDNESS (avg.)											
23. SURFACE TEXTURE (avg.)											
24. DOMINANT MINERAL (%)											
25. SECONDARY MINERAL (%)											
26. OTHER MINERALS (%)											
27. REMARKS											

ITEMS 11-26 DETERMINED IN THE LAB.

* THE SAMPLE CONTAINED MEDIUM GRAY STREAKS (N-5)

Sediment Type Silty Mud

DATE OF THIS SHEET: 1-68

SEDIMENT ANALYSIS SHEET
PRC-400-1480 (REV. 1-83)

1. SAMPLE NUMBER	PRC-400-1480	2. SITE NAME	PRC-400-1480	3. SAMPLER TYPE	Phleger
4. LATITUDE	29° 43.5'	5. WATER DEPTH (m.)	N	6. WATER DEPTH (m.)	9
7. LONGITUDE	80° 12' E	8. CORE LENGTH (m.)	E	9. CORE LENGTH (m.)	16
10. DATE (day, month, year)	5 March 1960	11. CORE PREPARATION (m.)	24	12. CORE PREPARATION (m.)	24
13. LABORATORY NUMBERS	5500	14. SUBSAMPLE DEPTH IN CORE (m.)	0-2	15. SUBSAMPLE DEPTH IN CORE (m.)	0-2
16. COLOR	Greenish Gray 5 Gy 6/1	17. COLOR	Greenish Gray 5 Gy 6/1	18. COLOR	Greenish Gray 5 Gy 6/1
19. DOR		20. DOR		21. DOR	
22. WET DENSITY (lb./ft. ³)		23. WET DENSITY (lb./ft. ³)		24. WET DENSITY (lb./ft. ³)	
25. FLUIDITY (mm)		26. FLUIDITY (mm)		27. FLUIDITY (mm)	
28. MAXIMUM PROBABILITY (%)		29. MAXIMUM PROBABILITY (%)		30. MAXIMUM PROBABILITY (%)	
31. MINIMUM PROBABILITY (%)		32. MINIMUM PROBABILITY (%)		33. MINIMUM PROBABILITY (%)	
34. WATER CONTENT (%)		35. WATER CONTENT (%)		36. WATER CONTENT (%)	
37. ORGANIC CARBON CONTENT (%)		38. ORGANIC CARBON CONTENT (%)		39. ORGANIC CARBON CONTENT (%)	
1B. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. < 2 ₅₀ (%)	00 ₂	00 ₂	00 ₂	00 ₂	00 ₂
b. 2 ₅₀ to 1 ₅₀ (%)	2	2	2	2	2
c. 1 ₅₀ to 0 ₅₀ (%)	Mc ₂ 9.20	Mc ₂ 9.20	Mc ₂ 9.20	Mc ₂ 9.20	Mc ₂ 9.20
d. 0 ₅₀ to 1 ₅₀ (%)	01 ₂ 7.20	01 ₂ 7.20	01 ₂ 7.20	01 ₂ 7.20	01 ₂ 7.20
e. 1 ₅₀ to 2 ₅₀ (%)	00 ₂	00 ₂	00 ₂	00 ₂	00 ₂
f. 2 ₅₀ to 3 ₅₀ (%)	2	2	2	2	2
g. 3 ₅₀ to 4 ₅₀ (%)					
h. 4 ₅₀ to 5 ₅₀ (%)	7	7	7	7	7
i. 5 ₅₀ to 6 ₅₀ (%)	39	39	39	39	39
j. > 6 ₅₀ (%)	52	52	52	52	52
20. SUBSAMPLE DRY WEIGHT (m)	10.26	11.53	12.22	12.22	12.22
21. SPHERICITY (avg.)					
22. ROUNDNESS (avg.)					
23. SURFACE TEXTURE (avg.)					
24. DOMINANT MINERAL (%)					
25. SECONDARY MINERAL (%)					
26. OTHER MINERALS (%)					
27. REMARKS: ITEMS 11-26 DETERMINED IN THE LAB					

RECEIVED DATE: 11-26-60

SEDIMENT ANALYSIS SHEET
PRC-400-1480 (REV. 1-83)

1. SAMPLE NUMBER	PRC-400-1480	2. SITE NAME	PRC-400-1480	3. SAMPLER TYPE	Phleger
4. LATITUDE	29° 43.5'	5. WATER DEPTH (m.)	N	6. WATER DEPTH (m.)	9
7. LONGITUDE	80° 12' E	8. CORE LENGTH (m.)	E	9. CORE LENGTH (m.)	12
10. DATE (day, month, year)	5 March 1960	11. CORE PREPARATION (m.)	18	12. CORE PREPARATION (m.)	18
13. LABORATORY NUMBERS	5500	14. SUBSAMPLE DEPTH IN CORE (m.)	0-2	15. SUBSAMPLE DEPTH IN CORE (m.)	0-2
16. COLOR	Greenish Gray 5 Gy 6/1	17. COLOR	Greenish Gray 5 Gy 6/1	18. COLOR	Greenish Gray 5 Gy 6/1
19. DOR		20. DOR		21. DOR	
22. WET DENSITY (lb./ft. ³)		23. WET DENSITY (lb./ft. ³)		24. WET DENSITY (lb./ft. ³)	
25. FLUIDITY (mm)		26. FLUIDITY (mm)		27. FLUIDITY (mm)	
28. MAXIMUM PROBABILITY (%)		29. MAXIMUM PROBABILITY (%)		30. MAXIMUM PROBABILITY (%)	
31. MINIMUM PROBABILITY (%)		32. MINIMUM PROBABILITY (%)		33. MINIMUM PROBABILITY (%)	
34. WATER CONTENT (%)		35. WATER CONTENT (%)		36. WATER CONTENT (%)	
37. ORGANIC CARBON CONTENT (%)		38. ORGANIC CARBON CONTENT (%)		39. ORGANIC CARBON CONTENT (%)	
1B. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. < 2 ₅₀ (%)	00 ₂	00 ₂	00 ₂	00 ₂	00 ₂
b. 2 ₅₀ to 1 ₅₀ (%)	1	1	1	1	1
c. 1 ₅₀ to 0 ₅₀ (%)	Mc ₂ 8.40	Mc ₂ 8.40	Mc ₂ 8.40	Mc ₂ 8.40	Mc ₂ 8.40
d. 0 ₅₀ to 1 ₅₀ (%)	01 ₂ 6.95	01 ₂ 6.95	01 ₂ 6.95	01 ₂ 6.95	01 ₂ 6.95
e. 1 ₅₀ to 2 ₅₀ (%)	1	1	1	1	1
f. 2 ₅₀ to 3 ₅₀ (%)	2	2	2	2	2
g. 3 ₅₀ to 4 ₅₀ (%)	1	1	1	1	1
h. 4 ₅₀ to 5 ₅₀ (%)	10	10	10	10	10
i. 5 ₅₀ to 6 ₅₀ (%)	42	42	42	42	42
j. > 6 ₅₀ (%)	44	44	44	44	44
20. SUBSAMPLE DRY WEIGHT (m)	17.18	14.60	14.60	14.60	14.60
21. SPHERICITY (avg.)					
22. ROUNDNESS (avg.)					
23. SURFACE TEXTURE (avg.)					
24. DOMINANT MINERAL (%)					
25. SECONDARY MINERAL (%)					
26. OTHER MINERALS (%)					
27. REMARKS: ITEMS 11-26 DETERMINED IN THE LAB					

RECEIVED DATE: 11-26-60

OCEANOGRAPHIC LOG SHEET-R
PRINC-MD3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-1	3. SECTION	PG 33	3. SAMPLER TYPE	Phleger
4. LATITUDE	27° 00' 00.8"	7. WATER DEPTH (meters)	16.47				
5. LONGITUDE	086° 00' 00.8"	8. CORE LENGTH (cm)	21.8				
6. DATE (day, month, year)	5 January 1961	9. CORE PENETRATION (cm)	60.0				
10. LABORATORY NUMBER	7141	11. SUB SAMPLE DEPTH IN CORE (cm)	7141				
12. COLOR (by the test rock color chart)	0-6	13. LAB. DETERMINATION	Grayish Green				
			Grayish Green				
			100y5/2				
14. SIZE ANALYSIS AND STATISTICAL MEASURES							
a. % COARSEST THAN SAND (<= 1 φ)							
b. % SAND	14	19	23				
c. % SILT	61	61	56				
d. % CLAY	24	20	21				
e. PH MEDIAN DIAMETER (M φ)	6.00	5.55	5.62				
15. CHEMICAL ANALYSIS							
a. CaCO ₃ (%)	47	49	48				
b. Organic Carbon (%)	0.70						

*Contained black streaks

OCEANOGRAPHIC LOG SHEET-R
PRINC-MD3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-2	3. SECTION	PG 34	3. SAMPLER TYPE	Phleger
4. LATITUDE	26° 00' 58"	7. WATER DEPTH (meters)	32				
5. LONGITUDE	86° 00' 58"	8. CORE LENGTH (cm)	18				
6. DATE (day, month, year)	6 January 1961	9. CORE PENETRATION (cm)	1				
10. LABORATORY NUMBER	7172	11. SUB SAMPLE DEPTH IN CORE (cm)	7172				
12. COLOR (by the test rock color chart)	0-5	13. LAB. DETERMINATION	Dusky				
			Yellow Green				
			50y5/2				
14. SIZE ANALYSIS AND STATISTICAL MEASURES							
a. % COARSEST THAN SAND (<= 1 φ)							
b. % SAND	1	46	Trace				
c. % SILT	50	54	46				
d. % CLAY	8.96	37	37				
e. PH MEDIAN DIAMETER (M φ)	8.96						
15. CHEMICAL ANALYSIS							
a. CaCO ₃ (%)	35						
b. Organic Carbon (%)	0.84						

OCEANOGRAPHIC LOG SHEET-R
PRINC-MD3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-3	3. SECTION	PG 38	3. SAMPLER TYPE	Phleger
4. LATITUDE	26° 00' 58.3"	7. WATER DEPTH (meters)	44.7				
5. LONGITUDE	86° 00' 58.3"	8. CORE LENGTH (cm)	56.2				
6. DATE (day, month, year)	6 January 1961	9. CORE PENETRATION (cm)	41.8				
10. LABORATORY NUMBER	7020	11. SUB SAMPLE DEPTH IN CORE (cm)	7020				
12. COLOR (by the test rock color chart)	0-4.5	13. LAB. DETERMINATION	Greenish Gray				
			50y6/1				
14. SIZE ANALYSIS AND STATISTICAL MEASURES							
a. % COARSEST THAN SAND (<= 1 φ)							
b. % SAND	Trace	54	Trace				
c. % SILT	44	44	59				
d. % CLAY	8.71	8.70	8.63				
e. PH MEDIAN DIAMETER (M φ)							
15. CHEMICAL ANALYSIS							
a. CaCO ₃ (%)	31	31	32				
b. Organic Carbon (%)	0.77						

Dark streaks throughout the first 47 1/2 inches

SEDIMENT ANALYSIS SUMMARY SHEET

[illegible]

The core combined black streaks (hyperstrolite?) in the first 24.5 cm and the last 4.6 cm.

OCEANOGRAPHIC LOG SHEET-R
PRNC-MHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET									
1. CRUISE NO.	00865	2. SAMPLE NO.	BS-5	3. SEAFLOOR	PG 90	4. SAMPLER TYPE	Orange Peel		
5. LATITUDE	26° 01'	6. WATER DEPTH (meters)	63	7. CORE LENGTH (meters)		8. CORE PENETRATION (cm)			
9. LONGITUDE	155° 03'	10. DATE (local month, year)	10 January 1961	11. LABORATORY NUMBER	2884	12. COLOR (by Munsell color chart)			
13. SUB-SAMPLE DEPTH IN CORE (cm)				14. Greenish Gray*					
15. COLOR (by Munsell color chart)				16. SIZE ANALYSIS AND STATISTICAL MEASURES					
17. FIELD ☐ LAB. DETERMINATION				18. PERCENT FINE SAND (< 1 φ)					
19. COARSE SAND, MUD, & SILT (%)				20. CLAY (%)					
21. SILT (%)				22. CLAY (%)					
23. PERCENT DIAMETER (φ)				24. PERCENT DIAMETER (φ)					
25. DUE TO DIAMETER ANALYSIS				26. DUE TO DIAMETER ANALYSIS					
27. DUE TO DIAMETER ANALYSIS				28. DUE TO DIAMETER ANALYSIS					
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OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

[illegible]

OCEANOGRAPHIC LOG SHEET-R
PRIC-HHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET					
1. CRUISE NO.	00 86.5	2. SAMPLE NO.	BS-7 Station PG-29	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	26° 34'	7. WATER DEPTH (meters)	51.2		
5. LONGITUDE	055° 49'	8. CORE LENGTH (cm)			
6. DATE (day, month, year)	14 January 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7685				
11. SUB SAMPLE DEPTH IN CORE (cm)					
12. COLOR (by the color checker chart)					
13. DOOR (earth, mudd, rock, H.S. etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (<-1 φ)					
b. % SAND					79.28
c. % SILT					5.8
d. % CLAY					15
e. % SILT					25
f. % CLAY					5.85
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)					6.3
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R
PRIC-HHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET					
1. CRUISE NO.	010 86.5	2. SAMPLE NO.	BS-8 Station PG-30	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	24° 37'	7. WATER DEPTH (meters)	N		
5. LONGITUDE	055° 51'	8. CORE LENGTH (cm)			
6. DATE (day, month, year)	15 January 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7686				
11. SUB SAMPLE DEPTH IN CORE (cm)					
12. COLOR (by the color checker chart)					
13. DOOR (earth, mud, rock, H.S. etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (<-1 φ)					
b. % SAND	21				
c. % SILT	46				
d. % CLAY	33				
e. % SILT	33				
f. % CLAY	33				
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	6.6				
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R
PRIC-HHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET					
1. SAMPLE NO.	BS-9	Station	PG-45	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	30° 36' S	7. WATER DEPTH (meters)	N		
5. LONGITUDE	055° 48' E	8. CORE LENGTH (cm)	14.6		
6. DATE (day, month, year)	16 January 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7687				
11. SUB SAMPLE DEPTH IN CORE (cm)					
12. COLOR (by the color checker chart)					
13. DOOR (earth, muddy, rocky, H.S. etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (<-1 φ)					
b. % SAND					
c. % SILT	11				
d. % CLAY	68				
e. % SILT	21				
f. % CLAY	3.2				
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	5.7				
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R
PRIC-HHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET					
1. CRUISE NO.	00 86.5	2. SAMPLE NO.	BS-10 Station PG-34	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	24° 40'	7. WATER DEPTH (meters)	N		
5. LONGITUDE	055° 41'	8. CORE LENGTH (cm)	87.3		
6. DATE (day, month, year)	17 January 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7688				
11. SUB SAMPLE DEPTH IN CORE (cm)					
12. COLOR (by the CSM rock color chart)					
13. DOOR (earth, muddy, sandy, rock, H.S. etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (<-1 φ)					
b. % SAND					
c. % SILT					
d. % CLAY					
e. % SILT					
f. % CLAY					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	8.2				
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET

PNC-CH-310/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CURVE NO.	00865	2. SAMPLE NO.	BS-11 Station PG 31	3. SAMPLE TYPE	Orange Peel
4. LATITUDE	0° 8' 6.5"	5. LONGITUDE	085° 08' 14"	6. DATE (day, month, year)	17 January 1961
7. WATER DEPTH (meters)	47.5	8. CORE LENGTH (m)	1.12	9. CORE PENETRATION (m)	76.97
10. LABORATORY NUMBER		11. SUB SAMPLE DEPTH IN CORE (cm)		12. COLOR (by the CIE red color chart)	
FIELD LAB. DETERMINATION					
13. GROSS (weight, wet), (g)		14. SIZE ANALYSIS AND STATISTICAL MEASURES		15. COARSEST THAN SAND (< -1 φ)	
16. % SILT		17. % CLAY		18. % SAND	
19. % SILT		20. % CLAY		21. % SAND	
22. % SILT		23. % CLAY		24. % SAND	
25. % SILT		26. % CLAY		27. % SAND	
28. % SILT		29. % CLAY		30. % SAND	
31. % SILT		32. % CLAY		33. % SAND	
34. % SILT		35. % CLAY		36. % SAND	
37. % SILT		38. % CLAY		39. % SAND	
40. % SILT		41. % CLAY		42. % SAND	
43. % SILT		44. % CLAY		45. % SAND	
46. % SILT		47. % CLAY		48. % SAND	
49. % SILT		50. % CLAY		51. % SAND	
52. % SILT		53. % CLAY		54. % SAND	
55. % SILT		56. % CLAY		57. % SAND	
58. % SILT		59. % CLAY		60. % SAND	
61. % SILT		62. % CLAY		63. % SAND	
64. % SILT		65. % CLAY		66. % SAND	
67. % SILT		68. % CLAY		69. % SAND	
70. % SILT		71. % CLAY		72. % SAND	
73. % SILT		74. % CLAY		75. % SAND	
76. % SILT		77. % CLAY		78. % SAND	
79. % SILT		80. % CLAY		81. % SAND	
82. % SILT		83. % CLAY		84. % SAND	
85. % SILT		86. % CLAY		87. % SAND	
88. % SILT		89. % CLAY		90. % SAND	
91. % SILT		92. % CLAY		93. % SAND	
94. % SILT		95. % CLAY		96. % SAND	
97. % SILT		98. % CLAY		99. % SAND	
100. % SILT		101. % CLAY		102. % SAND	
103. % SILT		104. % CLAY		105. % SAND	
106. % SILT		107. % CLAY		108. % SAND	
109. % SILT		110. % CLAY		111. % SAND	
112. % SILT		113. % CLAY		114. % SAND	
115. % SILT		116. % CLAY		117. % SAND	
118. % SILT		119. % CLAY		120. % SAND	
121. % SILT		122. % CLAY		123. % SAND	
124. % SILT		125. % CLAY		126. % SAND	
127. % SILT		128. % CLAY		129. % SAND	
130. % SILT		131. % CLAY		132. % SAND	
133. % SILT		134. % CLAY		135. % SAND	
136. % SILT		137. % CLAY		138. % SAND	
139. % SILT		140. % CLAY		141. % SAND	
142. % SILT		143. % CLAY		144. % SAND	
145. % SILT		146. % CLAY		147. % SAND	
148. % SILT		149. % CLAY		150. % SAND	
151. % SILT		152. % CLAY		153. % SAND	
154. % SILT		155. % CLAY		156. % SAND	
157. % SILT		158. % CLAY		159. % SAND	
160. % SILT		161. % CLAY		162. % SAND	
163. % SILT		164. % CLAY		165. % SAND	
 			

OCEANOGRAPHIC LOG SHEET-R
PRINC-CHS-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CHART NO.	0 0 8 6 5	2. SAMPLE NO.	BS-17 Station PG 4	3. SAMPLE TYPE	Phleger
4. LATITUDE	27° 36' 17" N	7. WATER DEPTH (meters)	60.4		
5. LONGITUDE	82° 47' 0" W	8. CORE LENGTH (meters)	53		
6. DATE (day, month, year)	27 January 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7449	12. CORE DEPTH (cm)	715.1		
11. SUB SAMPLE DEPTH IN CORE (cm)	0-5	20-25	30-35	40-45	715.8
12. COLOR (by the GS) (not color chart)					482-5.8
[F] FIELD [C] LAB. DETERMINATION					
13. ROOT FINDER, muddy, sandy, silty, etc.	Grayish Olive	Grayish Olive	Grayish Olive	Grayish Olive	Grayish Olive
14. SIZE ANALYSIS AND STATISTICAL MEASURES	10% 1/2	10% 1/2	10% 1/2	10% 1/2	10% 1/2
15. % COARSER THAN SAND (< 1 φ)					
16. % SAND	1	2	5	4	4
17. % SILT	56	55	50	50	49
18. % CLAY	44	44	46	47	47
19. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
20. PHI MEDIAN DIAMETER (φ) (d)	8.60	8.60	8.73	8.74	8.82
21. PHI DEVIATION MEASURE (σ) (d)					
22. PHI STRENGTH MEASURE (σ) (d)					
23. CHEMICAL ANALYSIS					
a. Organic Carbon (%)	5.9	6.1	5.9	6.0	5.7
b. Organic Carbon (%)	6.32				5.7

OCEANOGRAPHIC LOG SHEET-R
PRINC-CHS-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CHART NO.	0 0 8 6 5	2. SAMPLE NO.	BS-18 Station PG 5	3. SAMPLE TYPE	Phleger
4. LATITUDE	27° 40' 17" N	7. WATER DEPTH (meters)	54.9		
5. LONGITUDE	82° 40' 0" W	8. CORE LENGTH (meters)	59		
6. DATE (day, month, year)	27 January 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7030	12. CORE DEPTH (cm)	703.1		
11. SUB SAMPLE DEPTH IN CORE (cm)	0-5	16-30	34-38.5	48.5-43	703.4
12. COLOR (by the GS) (not color chart)					55-5.9
[F] FIELD [C] LAB. DETERMINATION					
13. ROOT FINDER, muddy, sandy, silty, etc.	Pale Olive	Pale Olive	Pale Olive	Grayish Olive	Grayish Olive
14. SIZE ANALYSIS AND STATISTICAL MEASURES	10% 1/2	10% 1/2	10% 1/2	10% 1/2	10% 1/2
15. % COARSER THAN SAND (< 1 φ)					
16. % SAND	2	3	4	2	3
17. % SILT	65	62	64	62	59
18. % CLAY	33	36	33	36	38
19. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
20. PHI MEDIAN DIAMETER (φ) (d)	7.68	7.75	7.55	7.44	8.03
21. PHI DEVIATION MEASURE (σ) (d)					
22. PHI STRENGTH MEASURE (σ) (d)					
23. CHEMICAL ANALYSIS					
a. Organic Carbon (%)	5.4	6.7	5.8	5.8	5.7
b. Organic Carbon (%)	4.33				

OCEANOGRAPHIC LOG SHEET-R PRINCING-167/18 (REV. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	3. SAMPLER TYPE
00865	BS-19	Station PG-6	Phleger
4. LATITUDE	21° 55'	7. WATER DEPTH (meters)	76.8
5. LONGITUDE	022° 21'	8. CORE LENGTH (cm)	55.9
6. DATE (day, month, year)	29 January 1961	9. CORE PENETRATION (cm)	91.4
10. LABORATORY NUMBER	7035	10.36	7038
11. SUBS SAMPLE DEPTH IN CORE (cm)	0-5	18.22	36-40
12. COLOR (for the 0.5% red color chart)			
13. COLOR (for the 0.5% red color chart)			
14. SIZE ANALYSIS and STATISTICAL MEASURES			
a. % COARSER THAN SAND (<= 1 φ)			
b. % SAND	1	8	1
c. % SILT	57	54	53
d. % CLAY	42	43	43
e. % CLAY			
f. PH. MEAN DIAMETER (M φ)			
g. PH. DEVIATION MEASURE (σ φ)			
h. PH. SKEWNESS MEASURE (σ φ)			
15. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)	57	55	54
b. Organic Carbon (%)	2.32		

OCEANOGRAPHIC LOG SHEET-R PRINCING-167/18 (REV. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	3. SAMPLER TYPE
00865	BS-21	Station PG-8	Phleger
4. LATITUDE	21° 55'	7. WATER DEPTH (meters)	32.9
5. LONGITUDE	051° 58'	8. CORE LENGTH (cm)	105
6. DATE (day, month, year)	30 January 1961	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	7169	7170	
11. SUBS SAMPLE DEPTH IN CORE (cm)	0-55	55-105	
12. COLOR (for the 0.5% red color chart)			
13. COLOR (for the 0.5% red color chart)			
14. SIZE ANALYSIS and STATISTICAL MEASURES			
a. % COARSER THAN SAND (<= 1 φ)			
b. % SAND	98	92	8
c. % SILT			
d. % CLAY			
e. % CLAY			
f. PH. MEAN DIAMETER (M φ)			
g. PH. DEVIATION MEASURE (σ φ)			
h. PH. SKEWNESS MEASURE (σ φ)			
15. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)	98		
b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R PRINCING-167/18 (REV. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	3. SAMPLER TYPE
00865	BS-20	Station PG-11	Phleger
4. LATITUDE	22° 28'	7. WATER DEPTH (meters)	46.7
5. LONGITUDE	052° 28'	8. CORE LENGTH (cm)	25.6
6. DATE (day, month, year)	30 January 1961	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	7621	7622	
11. SUBS SAMPLE DEPTH IN CORE (cm)	0-5	4-14	
12. COLOR (for the 0.5% red color chart)			
13. COLOR (for the 0.5% red color chart)			
14. SIZE ANALYSIS and STATISTICAL MEASURES			
a. % COARSER THAN SAND (<= 1 φ)			
b. % SAND	1	1	
c. % SILT	58	53	
d. % CLAY	23	26	
e. % CLAY			
f. PH. MEAN DIAMETER (M φ)			
g. PH. DEVIATION MEASURE (σ φ)			
h. PH. SKEWNESS MEASURE (σ φ)			
15. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)	75		
b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R PRINCING-167/18 (REV. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	3. SAMPLER TYPE
00865	BS-22	Station PG-10	Phleger
4. LATITUDE	22° 28'	7. WATER DEPTH (meters)	46.7
5. LONGITUDE	052° 28'	8. CORE LENGTH (cm)	25.6
6. DATE (day, month, year)	30 January 1961	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	7624	7175	
11. SUBS SAMPLE DEPTH IN CORE (cm)	0-5	10-15	
12. COLOR (for the 0.5% red color chart)			
13. COLOR (for the 0.5% red color chart)			
14. SIZE ANALYSIS and STATISTICAL MEASURES			
a. % COARSER THAN SAND (<= 1 φ)			
b. % SAND	3	1	
c. % SILT	66	59	
d. % CLAY	24	23	
e. % CLAY			
f. PH. MEAN DIAMETER (M φ)			
g. PH. DEVIATION MEASURE (σ φ)			
h. PH. SKEWNESS MEASURE (σ φ)			
15. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)	91	88	
b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-23 Station PG-9	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	23° 21' N	5. LONGITUDE	083° 30' W	6. DATE (day, month, year)	31 January 1961
7. CORE LENGTH (cm)	84	8. DATE (day, month, year)	31 January 1961	9. CORE PENETRATION (cm)	7693
10. LABORATORY NUMBER		11. SUB SAMPLE DEPTH IN CORE (cm)		12. COLOR (by the C.S.T. card color chart)	Yellowish Gray F 5Y1/2
13. ODD (length, width, and H.S. etc.)		14. SIZE ANALYSIS AND STATISTICAL MEASURES		15. CHEMICAL ANALYSIS	
a. % COARSER THAN SAND (<-1 φ)		b. % SAND	91	a. CaCO ₃ (%)	94
c. % SILT		d. % CLAY	9	b. Organic Carbon (%)	
e. % CLAY		f. SEGMENT TYPE	Sand		
1. PHI MEDIAN DIAMETER (M φ)	1.84	2. PHI DEVIATION MEASURE (M φ)	1.34		
3. PHI SKEWNESS MEASURE (M φ)	-1.34	4. PHI KURTOSIS MEASURE (M φ)	-1.34		
5. CHEMICAL ANALYSIS		6. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)		b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-24 Station PG-25	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	23° 38' N	5. LONGITUDE	083° 11' W	6. DATE (day, month, year)	2 February 1961
7. CORE LENGTH (cm)	84	8. DATE (day, month, year)	2 February 1961	9. CORE PENETRATION (cm)	7694
10. LABORATORY NUMBER		11. SUB SAMPLE DEPTH IN CORE (cm)		12. COLOR (by the C.S.T. card color chart)	Ducky Yellow Green F 5GY1/2
13. ODD (length, width, and H.S. etc.)		14. SIZE ANALYSIS AND STATISTICAL MEASURES		15. CHEMICAL ANALYSIS	
a. % COARSER THAN SAND (<-1 φ)		b. % SAND	83	a. CaCO ₃ (%)	
c. % SILT		d. % CLAY	8	b. Organic Carbon (%)	
e. % CLAY		f. SEGMENT TYPE	Sand		
1. PHI MEDIAN DIAMETER (M φ)	2.33	2. PHI DEVIATION MEASURE (M φ)	1.76		
3. PHI SKEWNESS MEASURE (M φ)	-0.38	4. PHI KURTOSIS MEASURE (M φ)			
5. CHEMICAL ANALYSIS		6. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)		b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-26 Station PG-26	3. SAMPLER TYPE	Pilger
4. LATITUDE	26° 08' N	5. LONGITUDE	083° 09' W	6. DATE (day, month, year)	3 February 1961
7. CORE LENGTH (cm)	84	8. DATE (day, month, year)	3 February 1961	9. CORE PENETRATION (cm)	61
10. LABORATORY NUMBER		11. SUB SAMPLE DEPTH IN CORE (cm)		12. COLOR (by the C.S.T. card color chart)	
13. ODD (length, width, and H.S. etc.)		14. SIZE ANALYSIS AND STATISTICAL MEASURES		15. CHEMICAL ANALYSIS	
a. % COARSER THAN SAND (<-1 φ)		b. % SAND	55	a. CaCO ₃ (%)	
c. % SILT		d. % CLAY	29	b. Organic Carbon (%)	
e. % CLAY		f. SEGMENT TYPE	Silty Sand		
1. PHI MEDIAN DIAMETER (M φ)	3.00	2. PHI DEVIATION MEASURE (M φ)	4.67		
3. PHI SKEWNESS MEASURE (M φ)	0.43	4. PHI KURTOSIS MEASURE (M φ)			
5. CHEMICAL ANALYSIS		6. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)		b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. SITE NO.		00865		2. SAMPLE NO.		25-26 Station		27. Thienger	
6. LATITUDE		26° 02'		7. LONGITUDE		44° 45.5'		8. SAMPLER TYPE	
9. DATE		3 February 1961		10. LABORATORY NUMBER		11. DATE		12. COLOR (by Munsell color chart)	
13. CORE LENGTH (cm)		106		14. CORE PENETRATION (cm)		15. LABORATORY NUMBER		16. DATE	
17. CORE LENGTH (cm)		106		18. CORE PENETRATION (cm)		19. LABORATORY NUMBER		20. DATE	
21. CORE LENGTH (cm)		106		22. CORE PENETRATION (cm)		23. LABORATORY NUMBER		24. DATE	
25. CORE LENGTH (cm)		106		26. CORE PENETRATION (cm)		27. LABORATORY NUMBER		28. DATE	
29. CORE LENGTH (cm)		106		30. CORE PENETRATION (cm)		31. LABORATORY NUMBER		32. DATE	
33. CORE LENGTH (cm)		106		34. CORE PENETRATION (cm)		35. LABORATORY NUMBER		36. DATE	
37. CORE LENGTH (cm)		106		38. CORE PENETRATION (cm)		39. LABORATORY NUMBER		40. DATE	
41. CORE LENGTH (cm)		106		42. CORE PENETRATION (cm)		43. LABORATORY NUMBER		44. DATE	
45. CORE LENGTH (cm)		106		46. CORE PENETRATION (cm)		47. LABORATORY NUMBER		48. DATE	
49. CORE LENGTH (cm)		106		50. CORE PENETRATION (cm)		51. LABORATORY NUMBER		52. DATE	
53. CORE LENGTH (cm)		106		54. CORE PENETRATION (cm)		55. LABORATORY NUMBER		56. DATE	
57. CORE LENGTH (cm)		106		58. CORE PENETRATION (cm)		59. LABORATORY NUMBER		60. DATE	
61. CORE LENGTH (cm)		106		62. CORE PENETRATION (cm)		63. LABORATORY NUMBER		64. DATE	
65. CORE LENGTH (cm)		106		66. CORE PENETRATION (cm)		67. LABORATORY NUMBER		68. DATE	
69. CORE LENGTH (cm)		106		70. CORE PENETRATION (cm)		71. LABORATORY NUMBER		72. DATE	
73. CORE LENGTH (cm)		106		74. CORE PENETRATION (cm)		75. LABORATORY NUMBER		76. DATE	
77. CORE LENGTH (cm)		106		78. CORE PENETRATION (cm)		79. LABORATORY NUMBER		80. DATE	
81. CORE LENGTH (cm)		106		82. CORE PENETRATION (cm)		83. LABORATORY NUMBER		84. DATE	
85. CORE LENGTH (cm)		106		86. CORE PENETRATION (cm)		87. LABORATORY NUMBER		88. DATE	
89. CORE LENGTH (cm)		106		90. CORE PENETRATION (cm)		89. LABORATORY NUMBER		90. DATE	
91. CORE LENGTH (cm)		106		92. CORE PENETRATION (cm)		91. LABORATORY NUMBER		92. DATE	
93. CORE LENGTH (cm)		106		94. CORE PENETRATION (cm)		93. LABORATORY NUMBER		94. DATE	
95. CORE LENGTH (cm)		106		96. CORE PENETRATION (cm)		95. LABORATORY NUMBER		96. DATE	
97. CORE LENGTH (cm)		106		98. CORE PENETRATION (cm)		97. LABORATORY NUMBER		98. DATE	
99. CORE LENGTH (cm)		106		99. CORE PENETRATION (cm)		99. LABORATORY NUMBER		99. DATE	
101. CORE LENGTH (cm)		106		100. CORE PENETRATION (cm)		101. LABORATORY NUMBER		100. DATE	
103. CORE LENGTH (cm)		106		101. CORE PENETRATION (cm)		103. LABORATORY NUMBER		101. DATE	
105. CORE LENGTH (cm)		106		102. CORE PENETRATION (cm)		105. LABORATORY NUMBER		102. DATE	
107. CORE LENGTH (cm)		106		103. CORE PENETRATION (cm)		107. LABORATORY NUMBER		103. DATE	
109. CORE LENGTH (cm)		106		104. CORE PENETRATION (cm)		109. LABORATORY NUMBER		104. DATE	
111. CORE LENGTH (cm)		106		105. CORE PENETRATION (cm)		111. LABORATORY NUMBER		105. DATE	
113. CORE LENGTH (cm)		106		106. CORE PENETRATION (cm)		113. LABORATORY NUMBER		106. DATE	
115. CORE LENGTH (cm)		106		107. CORE PENETRATION (cm)		115. LABORATORY NUMBER		107. DATE	
117. CORE LENGTH (cm)		106		108. CORE PENETRATION (cm)		117. LABORATORY NUMBER		108. DATE	
119. CORE LENGTH (cm)		106		109. CORE PENETRATION (cm)		119. LABORATORY NUMBER		109. DATE	
121. CORE LENGTH (cm)		106		110. CORE PENETRATION (cm)		121. LABORATORY NUMBER		110. DATE	
123. CORE LENGTH (cm)		106		111. CORE PENETRATION (cm)		123. LABORATORY NUMBER		111. DATE	
125. CORE LENGTH (cm)		106		112. CORE PENETRATION (cm)		125. LABORATORY NUMBER		112. DATE	
127. CORE LENGTH (cm)		106		113. CORE PENETRATION (cm)		127. LABORATORY NUMBER		113. DATE	
129. CORE LENGTH (cm)		106		114. CORE PENETRATION (cm)		129. LABORATORY NUMBER		114. DATE	
131. CORE LENGTH (cm)		106		115. CORE PENETRATION (cm)		131. LABORATORY NUMBER		115. DATE	
133. CORE LENGTH (cm)		106		116. CORE PENETRATION (cm)		133. LABORATORY NUMBER		116. DATE	
135. CORE LENGTH (cm)		106		117. CORE PENETRATION (cm)		135. LABORATORY NUMBER		117. DATE	
137. CORE LENGTH (cm)		106		118. CORE PENETRATION (cm)		137. LABORATORY NUMBER		118. DATE	
139. CORE LENGTH (cm)		106		119. CORE PENETRATION (cm)		139. LABORATORY NUMBER		119. DATE	
141. CORE LENGTH (cm)		106		120. CORE PENETRATION (cm)		141. LABORATORY NUMBER		120. DATE	
143. CORE LENGTH (cm)		106		121. CORE PENETRATION (cm)		143. LABORATORY NUMBER		121. DATE	
145. CORE LENGTH (cm)		106		122. CORE PENETRATION (cm)		145. LABORATORY NUMBER		122. DATE	
147. CORE LENGTH (cm)		106		123. CORE PENETRATION (cm)		147. LABORATORY NUMBER		123. DATE	
149. CORE LENGTH (cm)		106		124. CORE PENETRATION (cm)		149. LABORATORY NUMBER		124. DATE	
151. CORE LENGTH (cm)		106		125. CORE PENETRATION (cm)		151. LABORATORY NUMBER		125. DATE	
153. CORE LENGTH (cm)		106		126. CORE PENETRATION (cm)		153. LABORATORY NUMBER		126. DATE	
155. CORE LENGTH (cm)		106		127. CORE PENETRATION (cm)		155. LABORATORY NUMBER		127. DATE	
157. CORE LENGTH (cm)		106		128. CORE PENETRATION (cm)		157. LABORATORY NUMBER		128. DATE	
159. CORE LENGTH (cm)		106		129. CORE PENETRATION (cm)		159. LABORATORY NUMBER		129. DATE	
161. CORE LENGTH (cm)		106		130. CORE PENETRATION (cm)		161. LABORATORY NUMBER		130. DATE	
163. CORE LENGTH (cm)		106		131. CORE PENETRATION (cm)		163. LABORATORY NUMBER		131. DATE	
165. CORE LENGTH (cm)		106		132. CORE PENETRATION (cm)		165. LABORATORY NUMBER		132. DATE	
167. CORE LENGTH (cm)		106		133. CORE PENETRATION (cm)		167. LABORATORY NUMBER		133. DATE	
169. CORE LENGTH (cm)		106		134. CORE PENETRATION (cm)		169. LABORATORY NUMBER		134. DATE	
171. CORE LENGTH (cm)		106		135. CORE PENETRATION (cm)		171. LABORATORY NUMBER		135. DATE	
173. CORE LENGTH (cm)		106		136. CORE PENETRATION (cm)		173. LABORATORY NUMBER		136. DATE	
175. CORE LENGTH (cm)		106		137. CORE PENETRATION (cm)		175. LABORATORY NUMBER		137. DATE	
177. CORE LENGTH (cm)		106		138. CORE PENETRATION (cm)		177. LABORATORY NUMBER		138. DATE	
179. CORE LENGTH (cm)		106		139. CORE PENETRATION (cm)		179. LABORATORY NUMBER		139. DATE	
181. CORE LENGTH (cm)		106		140. CORE PENETRATION (cm)		181. LABORATORY NUMBER		140. DATE	
183. CORE LENGTH (cm)		106		141. CORE PENETRATION (cm)		183. LABORATORY NUMBER		141. DATE	
185. CORE LENGTH (cm)		106		142. CORE PENETRATION (cm)		185. LABORATORY NUMBER		142. DATE	
187. CORE LENGTH (cm)		106		143. CORE PENETRATION (cm)		187. LABORATORY NUMBER		143. DATE	
189. CORE LENGTH (cm)		106		144. CORE PENETRATION (cm)		189. LABORATORY NUMBER		144. DATE	
191. CORE LENGTH (cm)		106		145. CORE PENETRATION (cm)		191. LABORATORY NUMBER		145. DATE	
193. CORE LENGTH (cm)		106		146. CORE PENETRATION (cm)		193. LABORATORY NUMBER		146. DATE	
195. CORE LENGTH (cm)		106		147. CORE PENETRATION (cm)		195. LABORATORY NUMBER		147. DATE	
197. CORE LENGTH (cm)		106		148. CORE PENETRATION (cm)		197. LABORATORY NUMBER		148. DATE	
199. CORE LENGTH (cm)		106		149. CORE PENETRATION (cm)		199. LABORATORY NUMBER		149. DATE	
201. CORE LENGTH (cm)		106		150. CORE PENETRATION (cm)		201. LABORATORY NUMBER		150. DATE	
203. CORE LENGTH (cm)		106		151. CORE PENETRATION (cm)		203. LABORATORY NUMBER		151. DATE	
205. CORE LENGTH (cm)		106		152. CORE PENETRATION (cm)		205. LABORATORY NUMBER		152. DATE	
207. CORE LENGTH (cm)		106		153. CORE PENETRATION (cm)		207. LABORATORY NUMBER		153. DATE	
209. CORE LENGTH (cm)		106		154. CORE PENETRATION (cm)		209. LABORATORY NUMBER		154. DATE	
211. CORE LENGTH (cm)		106		155. CORE PENETRATION (cm)		211. LABORATORY NUMBER		155. DATE	
213. CORE LENGTH (cm)		106		156. CORE PENETRATION (cm)		213. LABORATORY NUMBER		156. DATE	
215. CORE LENGTH (cm)		106		157. CORE PENETRATION (cm)		215. LABORATORY NUMBER		157. DATE	
217. CORE LENGTH (cm)		106		158. CORE PENETRATION (cm)		217. LABORATORY NUMBER		158. DATE	
219. CORE LENGTH (cm)		106		159. CORE PENETRATION (cm)		219. LABORATORY NUMBER		159. DATE	
221. CORE LENGTH (cm)		106		160. CORE PENETRATION (cm)		221. LABORATORY NUMBER		160. DATE	
223. CORE LENGTH (cm)		106		161. CORE PENETRATION (cm)		223. LABORATORY NUMBER		161. DATE	
225. CORE LENGTH (cm)		106		162. CORE PENETRATION (cm)		225. LABORATORY NUMBER		162. DATE	
227. CORE LENGTH (cm)		106		163. CORE PENETRATION (cm)		227. LABORATORY NUMBER		163. DATE	
229. CORE LENGTH (cm)		106		164. CORE PENETRATION (cm)		229. LABORATORY NUMBER		164. DATE	
231. CORE LENGTH (cm)		106		165. CORE PENETRATION (cm)		231. LABORATORY NUMBER		165. DATE	
233. CORE LENGTH (cm)		106		166. CORE PENETRATION (cm)		233. LABORATORY NUMBER		166. DATE	
235. CORE LENGTH (cm)		106		167. CORE PENETRATION (cm)		235. LABORATORY NUMBER		167. DATE	
237. CORE LENGTH (cm)		106		168. CORE PENETRATION (cm)		237. LABORATORY NUMBER		168. DATE	
239. CORE LENGTH (cm)		106		169. CORE PENETRATION (cm)		239. LABORATORY NUMBER		169. DATE	
241. CORE LENGTH (cm)		106		170. CORE PENETRATION (cm)		241. LABORATORY NUMBER		170. DATE	
243. CORE LENGTH (cm)		106		171. CORE PENETRATION (cm)		243. LABORATORY NUMBER		171. DATE	
245. CORE LENGTH (cm)		106		172. CORE PENETRATION (cm)		245. LABORATORY NUMBER		172. DATE	
247. CORE LENGTH (cm)		106		173. CORE PENETRATION (cm)		247. LABORATORY NUMBER		173. DATE	
249. CORE LENGTH (cm)		106		174. CORE PENETRATION (cm)		249. LABORATORY NUMBER		174. DATE	
251. CORE LENGTH (cm)		106		175. CORE PENETRATION (cm)		251. LABORATORY NUMBER		175. DATE	
253. CORE LENGTH (cm)		106		176. CORE PENETRATION (cm)		253. LABORATORY NUMBER		176. DATE	
255. CORE LENGTH (cm)		106		177. CORE PENETRATION (cm)		255. LABORATORY NUMBER		177. DATE	
257. CORE LENGTH (cm)		106		178. CORE PENETRATION (cm)		257. LABORATORY NUMBER		178. DATE	
259. CORE LENGTH (cm)		106		179. CORE PENETRATION (cm)		259. LABORATORY NUMBER		179. DATE	
261. CORE LENGTH (cm)		106		180. CORE PENETRATION (cm)		261. LABORATORY NUMBER		180. DATE	
263. CORE LENGTH (cm)		106		181. CORE PENETRATION (cm)		263. LABORATORY NUMBER		181. DATE	
265. CORE LENGTH (cm)		106		182. CORE PENETRATION (cm)		265. LABORATORY NUMBER		182. DATE	
267. CORE LENGTH (cm)		106		183. CORE PENETRATION (cm)		267. LABORATORY NUMBER		183. DATE	
269. CORE LENGTH (cm)		106		184. CORE PENETRATION (cm)		269. LABORATORY NUMBER		184. DATE	
271. CORE LENGTH (cm)		106		185. CORE PENETRATION (cm)		271. LABORATORY NUMBER		185. DATE	
273. CORE LENGTH (cm)		106		186. CORE PENETRATION (cm)		273. LABORATORY NUMBER		186. DATE	
275. CORE LENGTH (cm)		106		187. CORE PENETRATION (cm)		275. LABORATORY NUMBER		187. DATE	
277. CORE LENGTH (cm)		106		188. CORE PENETRATION (cm)		277. LABORATORY NUMBER		188. DATE	
279. CORE LENGTH (cm)		106		189. CORE PENETRATION (cm)		279. LABORATORY NUMBER		189. DATE	
281. CORE LENGTH (cm)		106		190. CORE PENETRATION (cm)		281. LABORATORY NUMBER		190. DATE	
283. CORE LENGTH (cm)		106		191. CORE PENETRATION (cm)		283. LABORATORY NUMBER		191. DATE	
285. CORE LENGTH (cm)		106		192. CORE PENETRATION (cm)		285. LABORATORY NUMBER		192. DATE	
287. CORE LENGTH (cm)		106		193. CORE PENETRATION (cm)		287. LABORATORY NUMBER		193. DATE	
289. CORE LENGTH (cm)		106		194. CORE PENETRATION (cm)		289. LABORATORY NUMBER		194. DATE	
291. CORE LENGTH (cm)		106		195. CORE PENETRATION (cm)		291. LABORATORY NUMBER		195. DATE	
293. CORE LENGTH (cm)		106		196. CORE PENETRATION (cm)		293. LABORATORY NUMBER		196. DATE	
295. CORE LENGTH (cm)		106		197. CORE PENETRATION (cm)		295. LABORATORY NUMBER		197. DATE	
297. CORE LENGTH (cm)		106		198. CORE PENETRATION (cm)		297. LABORATORY NUMBER		198. DATE	
299. CORE LENGTH (cm)		106		199. CORE PENETRATION (cm)		299. LABORATORY NUMBER		199. DATE	
301. CORE LENGTH (cm)		106		200. CORE PENETRATION (cm)		301. LABORATORY NUMBER		200. DATE	
303. CORE LENGTH (cm)		106		201. CORE PENETRATION (cm)		303. LABORATORY NUMBER		201. DATE	
305. CORE LENGTH (cm)		106		202. CORE PENETRATION (cm)		305. LABORATORY NUMBER		202. DATE	
307. CORE LENGTH (cm)		106		203. CORE PENETRATION (cm)		307. LABORATORY NUMBER		203. DATE	
309. CORE LENGTH (cm)		106		204. CORE PENETRATION (cm)		309. LABORATORY NUMBER		204. DATE	
311. CORE LENGTH (cm)		106		205. CORE PENETRATION (cm)		311. LABORATORY NUMBER		205. DATE	
313. CORE LENGTH (cm)		106		206. CORE PENETRATION (cm)		313. LABORATORY NUMBER		206. DATE	
315. CORE LENGTH (cm)		106		207. CORE PENETRATION (cm)		315. LABORATORY NUMBER		207. DATE	
317. CORE LENGTH (cm)		106		208. CORE PENETRATION (cm)		317. LABORATORY NUMBER		208. DATE	
319. CORE LENGTH (cm)		106		209. CORE PENETRATION (cm)		319. LABORATORY NUMBER		209. DATE	
321. CORE LENGTH (cm)		106		210. CORE PENETRATION (cm)		321. LABORATORY NUMBER		210. DATE	
323. CORE LENGTH (cm)		106		211. CORE PENETRATION (cm)		323. LABORATORY NUMBER		211. DATE	
325. CORE LENGTH (cm)		106		212. CORE PENETRATION (cm)		325. LABORATORY NUMBER		212. DATE	
327. CORE LENGTH (cm)		106		213. CORE PENETRATION (cm)		327. LABORATORY NUMBER		213. DATE	
329. CORE LENGTH (cm)		106		214. CORE PENETRATION (cm)		329. LABORATORY NUMBER		214. DATE	
331. CORE LENGTH (cm)		106		215. CORE PENETRATION (cm)		331. LABORATORY NUMBER		215. DATE	
333. CORE LENGTH (cm)		106		216. CORE PENETRATION (cm)		333. LABORATORY NUMBER		216. DATE	
335. CORE LENGTH (cm)		106		217. CORE PENETRATION (cm)		335. LABORATORY NUMBER		217. DATE	
337. CORE LENGTH (cm)		106		218. CORE PENETRATION (cm)		337. LABORATORY NUMBER		218. DATE	
339. CORE LENGTH (cm)		106		219. CORE PENETRATION (cm)		339. LABORATORY NUMBER		219. DATE	
341. CORE LENGTH (cm)		106		220. CORE PENETRATION (cm)		341. LABORATORY NUMBER		220. DATE	
343. CORE LENGTH (cm)		106		221. CORE PENETRATION (cm)		343. LABORATORY NUMBER		221. DATE	
345. CORE LENGTH (cm)		106		222. CORE PENETRATION (cm)		345. LABORATORY NUMBER		222. DATE	
347. CORE LENGTH (cm)		106		223. CORE PENETRATION (cm)		347. LABORATORY NUMBER		223. DATE	
349. CORE LENGTH (cm)		106		224. CORE PENETRATION (cm)		349. LABORATORY NUMBER		224. DATE	
351. CORE LENGTH (cm)		106		225. CORE PENETRATION (cm)		351. LABORATORY NUMBER		225. DATE	
353. CORE LENGTH (cm)		106		226. CORE PENETRATION (cm)		353. LABORATORY NUMBER		226. DATE	
355. CORE LENGTH (cm)		106		227. CORE PENETRATION (cm)		355. LABORATORY NUMBER		227. DATE	
357. CORE LENGTH (cm)		106		228. CORE PENETRATION (cm)		357. LABORATORY NUMBER		228. DATE	
359. CORE LENGTH (cm)		106		229. CORE PENETRATION (cm)		359. LABORATORY NUMBER		229. DATE	
361. CORE LENGTH (cm)		106		230. CORE PENETRATION (cm)		361. LABORATORY NUMBER		230. DATE	
363. CORE LENGTH (cm)		106		231. CORE PENETRATION (cm)		363. LABORATORY NUMBER		231. DATE	
365. CORE LENGTH (cm)		106		232. CORE PENETRATION (cm)		365. LABORATORY NUMBER		232. DATE	
367. CORE LENGTH (cm)		106		233. CORE PENETRATION (cm)		367. LABORATORY NUMBER		233. DATE	
369. CORE LENGTH (cm)		1							

DCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CURVE NO.	2. SAMPLE NO.	3. SIZING PG. 22	4. SAMPLE TYPE	5. PHOTOP
0.0865	26	89		
1. LATITUDE	26			
2. LONGITUDE	89			
3. DATE (for month, year)	6 February 1941			
4. LABORATORY NUMBER	9124			
5. SURFACE DEPTH IN CORE (cm)	0.55			
6. COLOR (for the CS and color chart)	Dusky Yellow Green 50Y5/6			
7. FIELD	1			
8. CORE LENGTH (in)	21.85			
9. CORE PENETRATION (in)	9.14			
10. LABORATORY NUMBER	9124			
11. SURFACE DEPTH IN CORE (cm)	0.55			
12. COLOR (for the CS and color chart)	Dusky Yellow Green 50Y5/6			
13. CORE LENGTH (in)	21.85			
14. CORE PENETRATION (in)	9.14			
15. CORE ANALYSIS				
16. SIZE ANALYSIS AND STATISTICAL MEASURES				
17. COARSE (mm)	45			
18. SAND	53			
19. SILT	27			
20. CLAY	20			
21. SEDIMENT TYPE	Sandy Mud			
22. PHI MEDIAN DIAMETER (H) (φ)	5.62			
23. PHI MEDIAN DIAMETER (H) (φ)	5.62			
24. PHI SKENNESS MEASURE (H) (φ)	3.48			
25. CHEMICAL ANALYSIS				
26. CaCO ₃ (%)	6.9			
27. Organic Carbon (%)	1.53			

COCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CURVE NO.	00865	2. SAMPLE NO.	BS-38	3. SECTION	PG 23	4. SAMPLE TYPE	Phlog
5. LATITUDE	25° 44' 43"	6. N	E	7. CORF LENGTH (cm)	51.2	8. CORF DIAMETER (cm)	21.2
9. DATE (month/year)	4/86	10. DATE (month/year)	1/86	11. CORF PENETRATION (cm)	91.4	12. CORF LENGTH (cm)	91.4
13. LAB. STUDY NUMBER	7139	14. LAB. STUDY NUMBER	0-3	15. LAB. STUDY NUMBER	7140	16. LAB. STUDY NUMBER	82-272
17. SUR. SAMPLE DEPTH IN CORF (cm)		18. SUR. SAMPLE DEPTH IN CORF (cm)		19. SUR. SAMPLE DEPTH IN CORF (cm)		20. SUR. SAMPLE DEPTH IN CORF (cm)	
21. CORF TYPE (by the US rock color chart)		22. CORF TYPE (by the US rock color chart)		23. CORF TYPE (by the US rock color chart)		24. CORF TYPE (by the US rock color chart)	
25. FIELD	Olive Gray	26. FIELD	Olive Gray	27. FIELD	Olive Gray	28. FIELD	Olive Gray
29. SIZE ANALYSIS AND STATISTICAL MEASURES		30. SIZE ANALYSIS AND STATISTICAL MEASURES		31. SIZE ANALYSIS AND STATISTICAL MEASURES		32. SIZE ANALYSIS AND STATISTICAL MEASURES	
33. COAR. (arith. mean) (mm)	3	34. COAR. (arith. mean) (mm)	3	35. COAR. (arith. mean) (mm)	8	36. COAR. (arith. mean) (mm)	8
37. % SAND	19	38. % SAND	19	39. % SAND	17	40. % SAND	17
41. % SILT	18	42. % SILT	18	43. % SILT	15	44. % SILT	15
45. % CLAY	63	46. % CLAY	63	47. % CLAY	68	48. % CLAY	68
49. SEDEMENT TYPE	Clayey silt	50. SEDEMENT TYPE	Clayey silt	51. SEDEMENT TYPE	Clayey silt	52. SEDEMENT TYPE	Clayey silt
53. PHI MEDIAN DIAMETER (M)	5.23	54. PHI MEDIAN DIAMETER (M)	5.23	55. PHI MEDIAN DIAMETER (M)	5.23	56. PHI MEDIAN DIAMETER (M)	5.23
57. PHI DEVIATION MEASURE (s.d.)	0.45	58. PHI DEVIATION MEASURE (s.d.)	0.45	59. PHI DEVIATION MEASURE (s.d.)	0.45	60. PHI DEVIATION MEASURE (s.d.)	0.45
61. PHI SKENNESS MEASURE (u.s.)	0.46	62. PHI SKENNESS MEASURE (u.s.)	0.46	63. PHI SKENNESS MEASURE (u.s.)	0.46	64. PHI SKENNESS MEASURE (u.s.)	0.46
65. CHEMICAL ANALYSIS		66. CHEMICAL ANALYSIS		67. CHEMICAL ANALYSIS		68. CHEMICAL ANALYSIS	
69. Cc (%)	84	70. Cc (%)	84	71. Cc (%)	84	72. Cc (%)	84
73. Organic Carbon (%)	1.77	74. Organic Carbon (%)	1.77	75. Organic Carbon (%)	1.77	76. Organic Carbon (%)	1.77

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-29 Station PG 24	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	25° 17'	7. WATER DEPTH (meters)	238		
5. LONGITUDE	83° 37'	8. CORE LENGTH (cm)			
6. DATE (day, month, year)	8 February 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7695				
11. SUB SAMPLE DEPTH IN CORE (cm)					
12. COLOR (by the GSI rock color chart)	Moderate Greenish Yellow				
	10Y7/4				
F. FIELD	LAB. DETERMINATION				
13. DOOR (weight, molyb, mech. H.S. etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (<= 1 φ)	6				
b. % SAND	94				
c. % SILT					
d. % CLAY					
e. SEDIMENT TYPE	Trace Sand				
f. PHI MEDIAN DIAMETER (M φ)	0.50				
g. PHI DEVIATION MEASURE (M φ)	0.04				
h. PHI SKEWNESS MEASURE (M φ)	0.06				
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	96				
b. Organic Carbon (%)					

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OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-30 Station PG 20	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	25° 15'	7. WATER DEPTH (meters)	347		
5. LONGITUDE	83° 4'	8. CORE LENGTH (cm)			
6. DATE (day, month, year)	7 February 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7696				
11. SUB SAMPLE DEPTH IN CORE (cm)					
12. COLOR (by the GSI rock color chart)	Dusky Yellow Green				
	6Y3/6 1/2				
F. FIELD	LAB. DETERMINATION				
13. DOOR (weight, molyb, mech. H.S. etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (<= 1 φ)	1				
b. % SAND	95				
c. % SILT					
d. % CLAY					
e. SEDIMENT TYPE	Sand				
f. PHI MEDIAN DIAMETER (M φ)	2.30				
g. PHI DEVIATION MEASURE (M φ)	1.06				
h. PHI SKEWNESS MEASURE (M φ)	-0.15				
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	96				
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-31 Station PG 21	3. SAMPLER TYPE	Phleger
4. LATITUDE	25° 10'	7. WATER DEPTH (meters)	73.2		
5. LONGITUDE	84° 10'	8. CORE LENGTH (cm)	38.0		
6. DATE (day, month, year)	8 February 1961	9. CORE PENETRATION (cm)	91-4		
10. LABORATORY NUMBER	7191				
11. SUB SAMPLE DEPTH IN CORE (cm)	0-5				
12. COLOR (by the GSI rock color chart)	Pale Olive				
	10Y6/2				
F. FIELD	LAB. DETERMINATION				
13. DOOR (weight, molyb, mech. H.S. etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (<= 1 φ)					
b. % SAND					
c. % SILT					
d. % CLAY					
e. SEDIMENT TYPE					
f. PHI MEDIAN DIAMETER (M φ)					
g. PHI DEVIATION MEASURE (M φ)					
h. PHI SKEWNESS MEASURE (M φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	72				
b. Organic Carbon (%)	2.03				

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-32 Station PG 13	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	26° 0'	7. WATER DEPTH (meters)	219		
5. LONGITUDE	86° 28'	8. CORE LENGTH (cm)			
6. DATE (day, month, year)	9 February 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER					
11. SUB SAMPLE DEPTH IN CORE (cm)					
12. COLOR (by the GSI rock color chart)	Dusky Yellow Green				
	6Y6/2				
F. FIELD	LAB. DETERMINATION				
13. DOOR (weight, molyb, mech. H.S. etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (<= 1 φ)					
b. % SAND					
c. % SILT					
d. % CLAY					
e. SEDIMENT TYPE					
f. PHI MEDIAN DIAMETER (M φ)					
g. PHI DEVIATION MEASURE (M φ)					
h. PHI SKEWNESS MEASURE (M φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	67				
b. Organic Carbon (%)					

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-33 Station PG 12	3. SAMPLER TYPE	Thiegey
4. LATITUDE	24° 51' N	7. WATER DEPTH (meters)	30.5		
5. LONGITUDE	083° 00' E	8. CORE LENGTH (cm)	23		
6. DATE (day, month, year)	12 February 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7677	7678	7679	7680	
11. SUB SAMPLE DEPTH IN CORE (cm)	0-7	7-16.5	16.5-23	23-37	
12. COLOR (by the GSI rock color chart)	Dusky Yellow Green	Dusky Yellow Green	Dusky Yellow Green	Dusky Yellow Green	
	5G Y 5/2	5G Y 5/2	5G Y 5/2	5G Y 5/2	
[F] FIELD [L] LAB. DETERMINATION					
13. DOOR (hardly, muddy, rock, fls, etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (< 1 φ)	2	3	6	3	
b. % SAND	48	60	71	63	
c. % SILT	25	18	12	16	
d. % CLAY	25	19	12	19	
e. SEDIMENT TYPE	Sandy Mud	Clayey Sand	Clayey Sand	Clayey Sand	
f. PHI MEDIAN DIAMETER (M φ)	4.0	5.5	5.8	5.8	
g. PHI DEVIATION MEASURE (σ φ)		5.12	4.33	4.33	
h. PHI SKEWNESS MEASURE (σ φ)		0.61	0.64	0.64	
15. CHEMICAL ANALYSIS					
a. CaOg (%)	76	76	78	75	
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-34 Station PG 14	3. SAMPLER TYPE	Thiegey
4. LATITUDE	24° 39' N	7. WATER DEPTH (meters)	86		
5. LONGITUDE	083° 28' E	8. CORE LENGTH (cm)	37.0		
6. DATE (day, month, year)	15 February 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7171	7172	7173	7174	7175
11. SUB SAMPLE DEPTH IN CORE (cm)	0-5	5-10	10-15.5	15.5-19	19-23
12. COLOR (by the GSI rock color chart)	Dusky Yellow Green	Dusky Yellow Green	Dusky Yellow Green	Dusky Yellow Green	Bluish White
	5G Y 5/2	5G Y 5/2	5G Y 5/2	5G Y 5/2	5B 1/1
[F] FIELD [L] LAB. DETERMINATION					
13. DOOR (hardly, muddy, rock, fls, etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSER THAN SAND (< 1 φ)	1	1	Trace	1	1
b. % SAND	64	65	56	49	45
c. % SILT	17	16	24	23	23
d. % CLAY	19	19	21	27	33
e. SEDIMENT TYPE	Clayey Sand	Clayey Sand	Sandy Mud	Sandy Mud	Sandy Mud
f. PHI MEDIAN DIAMETER (M φ)	2.62	2.56	3.32	4.00	4.17
g. PHI DEVIATION MEASURE (σ φ)					
h. PHI SKEWNESS MEASURE (σ φ)					
15. CHEMICAL ANALYSIS					
a. CaOg (%)	81	70	76	73	72
b. Organic Carbon (%)	0.84				

OCEANOGRAPHIC LOG SHEET-R
PINC-NO-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-35 Station PG 15	3. SAMPLER TYPE	Phleger
4. LATITUDE	28° 53'	5. LONGITUDE	86° 58'	6. CORE LENGTH (m)	80.5
7. DATE (day, month, year)	16 February 1961	8. CORE PENETRATION (m)	91.4	9. CORE DEPTH (m)	16
10. LABORATORY NUMBER	7136	11. SUB SAMPLE DEPTH IN CORE (m)	17-22	12. COLOR (by the 531 root color chart)	10/612
13. COLOR (by the 531 root color chart)	10/612	14. LAB. DETERMINATION	Pole Olive	15. CHEMICAL ANALYSIS	
16. SIZE ANALYSIS AND STATISTICAL MEASURES		17. SIZE ANALYSIS AND STATISTICAL MEASURES		18. CHEMICAL ANALYSIS	
a. % COARSER THAN SAND (<1 φ)	6	b. % SAND	6	c. % SILT	9
d. % CLAY	50	e. % CLAY	46	f. % CLAY	45
g. SEGMENT TYPE	Clayey Silt	h. SEGMENT TYPE	Silty Clay	i. SEGMENT TYPE	Silty Clay
j. PHI MEAN DIAMETER (M φ)	8.50	k. PHI DEVIATION MEASURE (σ φ)	8.82	l. PHI DEVIATION MEASURE (σ φ)	8.63
m. CHEMICAL ANALYSIS		n. CHEMICAL ANALYSIS		o. CHEMICAL ANALYSIS	
p. Organic Carbon (%)	60	q. Organic Carbon (%)	62	r. Organic Carbon (%)	59

OCEANOGRAPHIC LOG SHEET-R
PINC-NO-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-37 Station PG 17	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	28° 19'	5. LONGITUDE	86° 52'	6. CORE LENGTH (m)	36.6
7. DATE (day, month, year)	16 February 1961	8. CORE PENETRATION (m)	76.28	9. CORE DEPTH (m)	10/612
10. LABORATORY NUMBER	7138	11. SUB SAMPLE DEPTH IN CORE (m)		12. COLOR (by the 531 root color chart)	
13. COLOR (by the 531 root color chart)		14. LAB. DETERMINATION	Pole Olive	15. CHEMICAL ANALYSIS	
16. SIZE ANALYSIS AND STATISTICAL MEASURES		17. SIZE ANALYSIS AND STATISTICAL MEASURES		18. CHEMICAL ANALYSIS	
a. % COARSER THAN SAND (<1 φ)	5	b. % SAND	81	c. % SILT	14
d. % CLAY	14	e. % CLAY	14	f. % CLAY	14
g. SEGMENT TYPE	Sand	h. SEGMENT TYPE	Sand	i. SEGMENT TYPE	Sand
j. PHI MEAN DIAMETER (M φ)	2.13	k. PHI DEVIATION MEASURE (σ φ)	2.13	l. PHI DEVIATION MEASURE (σ φ)	2.13
m. CHEMICAL ANALYSIS		n. CHEMICAL ANALYSIS		o. CHEMICAL ANALYSIS	
p. Organic Carbon (%)	93	q. Organic Carbon (%)	93	r. Organic Carbon (%)	93

OCEANOGRAPHIC LOG SHEET-R
PINC-NO-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-36 Station PG 16	3. SAMPLER TYPE	Phleger
4. LATITUDE	28° 05'	5. LONGITUDE	86° 25'	6. CORE LENGTH (m)	69.2
7. DATE (day, month, year)	16 February 1961	8. CORE PENETRATION (m)	61	9. CORE DEPTH (m)	61
10. LABORATORY NUMBER	6994	11. SUB SAMPLE DEPTH IN CORE (m)	20-24.5	12. COLOR (by the 531 root color chart)	10/612
13. COLOR (by the 531 root color chart)	10/612	14. LAB. DETERMINATION	Pole Olive	15. CHEMICAL ANALYSIS	
16. SIZE ANALYSIS AND STATISTICAL MEASURES		17. SIZE ANALYSIS AND STATISTICAL MEASURES		18. CHEMICAL ANALYSIS	
a. % COARSER THAN SAND (<1 φ)	15	b. % SAND	16	c. % SILT	16
d. % CLAY	60	e. % CLAY	55	f. % CLAY	55
g. SEGMENT TYPE	Clayey Silt	h. SEGMENT TYPE	Clayey Silt	i. SEGMENT TYPE	Clayey Silt
j. PHI MEAN DIAMETER (M φ)	8.4	k. PHI DEVIATION MEASURE (σ φ)	8.80	l. PHI DEVIATION MEASURE (σ φ)	8.66
m. CHEMICAL ANALYSIS		n. CHEMICAL ANALYSIS		o. CHEMICAL ANALYSIS	
p. Organic Carbon (%)	71	q. Organic Carbon (%)	71	r. Organic Carbon (%)	76

OCEANOGRAPHIC LOG SHEET-R
PINC-NO-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-38 Station PG 46	3. SAMPLER TYPE	Phleger
4. LATITUDE	28° 54'	5. LONGITUDE	86° 24'	6. CORE LENGTH (m)	21
7. DATE (day, month, year)	16 February 1961	8. CORE PENETRATION (m)	71.36	9. CORE DEPTH (m)	19.5
10. LABORATORY NUMBER	7134	11. SUB SAMPLE DEPTH IN CORE (m)	0-5	12. COLOR (by the 531 root color chart)	
13. COLOR (by the 531 root color chart)		14. LAB. DETERMINATION	Pole Olive	15. CHEMICAL ANALYSIS	
16. SIZE ANALYSIS AND STATISTICAL MEASURES		17. SIZE ANALYSIS AND STATISTICAL MEASURES		18. CHEMICAL ANALYSIS	
a. % COARSER THAN SAND (<1 φ)	1	b. % SAND	10	c. % SILT	19
d. % CLAY	19	e. % CLAY	19	f. % CLAY	19
g. SEGMENT TYPE	Silty Sand	h. SEGMENT TYPE	Silty Sand	i. SEGMENT TYPE	Silty Sand
j. PHI MEAN DIAMETER (M φ)	2.66	k. PHI DEVIATION MEASURE (σ φ)	2.66	l. PHI DEVIATION MEASURE (σ φ)	2.66
m. CHEMICAL ANALYSIS		n. CHEMICAL ANALYSIS		o. CHEMICAL ANALYSIS	
p. Organic Carbon (%)	71	q. Organic Carbon (%)	71	r. Organic Carbon (%)	71

OCEANOGRAPHIC LOG SHEET-R
PRINC-NN0-3167/18 (Rev. 4/60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-42 Station AS 61	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	19° 30'	7. WATER DEPTH (meters)	82.8		
5. LONGITUDE	070° 36.5'	8. CORE LENGTH (cm)			
6. DATE (day, month, year)	26 February 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7699				
11. SUB SAMPLE DEPTH IN CORE (cm)					
12. COLOR (by the GS rock color chart)	Light Olive Gray 8Y6/2				
13. DOOR (earth, mud, rock, H.S. etc.)					
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (< -1 φ)	Trace				
b. % SAND	95				
c. % SILT					
d. % CLAY					
e. SEDIMENT TYPE	Sand				
f. PHI MEDIAN DIAMETER (φ)	1.93				
g. PHI DEVIATION FACTOR (σ)	0.82				
h. PHI SKENNESS MEASURE (α)	0.30				
15. CHEMICAL ANALYSIS					
a. Organic Carbon (%)	8.4				

OCEANOGRAPHIC LOG SHEET-R
PRINC-NN0-3167/18 (Rev. 4/60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-42 Station AS 60	3. SAMPLER TYPE	Phlegger
4. LATITUDE	19° 31'	7. WATER DEPTH (meters)	67.7		
5. LONGITUDE	071° 24'	8. CORE LENGTH (cm)	69.5		
6. DATE (day, month, year)	26 February 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7498				
11. SUB SAMPLE DEPTH IN CORE (cm)	0-5				
12. COLOR (by the GS rock color chart)	Olive Gray 5Y4/1				
13. DOOR (earth, mud, rock, H.S. etc.)					
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (< -1 φ)	Trace				
b. % SAND	89				
c. % SILT	71				
d. % CLAY					
e. SEDIMENT TYPE	Silty Clay				
f. PHI MEDIAN DIAMETER (φ)	2.7				
g. PHI DEVIATION FACTOR (σ)	1.3				
h. PHI SKENNESS MEASURE (α)					
15. CHEMICAL ANALYSIS					
a. Organic Carbon (%)	14				
b. Organic Carbon (%)	1.02				

OCEANOGRAPHIC LOG SHEET-R
PRINC-NN0-3167/18 (Rev. 4/60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO.	BS-42 continued	3. SAMPLER TYPE	
4. LATITUDE		7. WATER DEPTH (meters)			
5. LONGITUDE		8. CORE LENGTH (cm)			
6. DATE (day, month, year)		9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7602				
11. SUB SAMPLE DEPTH IN CORE (cm)	40-45				
12. COLOR (by the GS rock color chart)	Olive Gray 5Y4/1				
13. DOOR (earth, mud, rock, H.S. etc.)					
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (< -1 φ)	Trace				
b. % SAND	80				
c. % SILT	70				
d. % CLAY					
e. SEDIMENT TYPE	Silty Clay				
f. PHI MEDIAN DIAMETER (φ)					
g. PHI DEVIATION FACTOR (σ)					
h. PHI SKENNESS MEASURE (α)					
15. CHEMICAL ANALYSIS					
a. Organic Carbon (%)	17				
b. Organic Carbon (%)					

The core contained black streaks in the last 14.5 cm

OCEANOGRAPHIC LOG SHEET-R
PNC-INO3167/18 (Rev. 4/80)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO. 35-43	4. SAMPLE NO. 43-59	5. SAMPLER TYPE	6. SAMPLER TYPE
19	80	N	E	Phleger	
DATE (day, month, year)	DATE (day, month, year)	DATE (day, month, year)	DATE (day, month, year)		
07/14 March 1961	07/14 March 1961	07/14 March 1961	07/14 March 1961		
1. LATITUDE	2. LONGITUDE	3. CORE LENGTH (cm)	4. CORE PENETRATION (cm)		
07° 14' N	80° 00' E	7090	7090		
5. LABORATORY NUMBER	6. LABORATORY NUMBER	7090	7090		
0-6	0-6	30-43	30-43		
7. SUB SAMPLE DEPTH IN CORE (cm)	8. SUB SAMPLE DEPTH IN CORE (cm)	30-43	30-43		
Yellowish Brown	Yellowish Brown	Yellowish Brown	Yellowish Brown		
10YR 4/2	10YR 4/2	10YR 4/2	10YR 4/2		
1. FIELD	2. LAB. DETERMINATION	1	1		
13. ODOR (earthly, muddy, weak, H ₂ S, etc.)	14. SIZE ANALYSIS and STATISTICAL MEASURES				
	a. % COARSE THAN SAND (<= 1 φ)				
	b. % SAND				
	c. % SILT				
	d. % CLAY				
	e. SEDIMENT TYPE				
	f. PHI MEDIAN DIAMETER (M φ)				
	g. PHI DEVIATION MEASURE (σ φ)				
	h. PHI SKEWNESS MEASURE (σ φ)				
	i. CHEMICAL ANALYSIS				
	a. CaCO ₃ (%)				
	b. Organic Carbon (%)				

* Combined black streaks

OCEANOGRAPHIC LOG SHEET-R
PNC-INO3167/18 (Rev. 4/80)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO. 35-43	4. SAMPLE NO. 43-59	5. SAMPLER TYPE	6. SAMPLER TYPE
		N	E	Phleger	
DATE (day, month, year)	DATE (day, month, year)	DATE (day, month, year)	DATE (day, month, year)		
1. LATITUDE	2. LONGITUDE	3. CORE LENGTH (cm)	4. CORE PENETRATION (cm)		
		7093	7094		
5. LABORATORY NUMBER	6. LABORATORY NUMBER	43-48	61-64		
11. SUB SAMPLE DEPTH IN CORE (cm)	12. SUB SAMPLE DEPTH IN CORE (cm)	43-48	61-64		
Yellowish Gray	Yellowish Gray	Yellowish Gray	Yellowish Gray		
5Y 4/1	5Y 4/1	5Y 4/1	5Y 4/1		
1. FIELD	2. LAB. DETERMINATION	1	1		
13. ODOR (earthly, muddy, weak, H ₂ S, etc.)	14. SIZE ANALYSIS and STATISTICAL MEASURES				
	a. % COARSE THAN SAND (<= 1 φ)				
	b. % SAND				
	c. % SILT				
	d. % CLAY				
	e. SEDIMENT TYPE				
	f. PHI MEDIAN DIAMETER (M φ)				
	g. PHI DEVIATION MEASURE (σ φ)				
	h. PHI SKEWNESS MEASURE (σ φ)				
	i. CHEMICAL ANALYSIS				
	a. CaCO ₃ (%)				
	b. Organic Carbon (%)				

* Combined black streaks

OCEANOGRAPHIC LOG SHEET-R
PNC-INO3167/18 (Rev. 4/80)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO. 35-44	4. SAMPLE NO. 44-58	5. SAMPLER TYPE	6. SAMPLER TYPE
00-86-5	15	N	E	Phleger	
DATE (day, month, year)	DATE (day, month, year)	DATE (day, month, year)	DATE (day, month, year)		
07/14 March 1961	07/14 March 1961	07/14 March 1961	07/14 March 1961		
1. LATITUDE	2. LONGITUDE	3. CORE LENGTH (cm)	4. CORE PENETRATION (cm)		
07° 14' N	80° 00' E	7096	7097		
5. LABORATORY NUMBER	6. LABORATORY NUMBER	40-45	40-45		
11. SUB SAMPLE DEPTH IN CORE (cm)	12. SUB SAMPLE DEPTH IN CORE (cm)	40-45	40-45		
Dark Yellowish Brown	Dark Yellowish Brown	Dark Yellowish Brown	Dark Yellowish Brown		
10YR 4/2	10YR 4/2	10YR 4/2	10YR 4/2		
1. FIELD	2. LAB. DETERMINATION	1	1		
13. ODOR (earthly, muddy, weak, H ₂ S, etc.)	14. SIZE ANALYSIS and STATISTICAL MEASURES				
	a. % COARSE THAN SAND (<= 1 φ)				
	b. % SAND				
	c. % SILT				
	d. % CLAY				
	e. SEDIMENT TYPE				
	f. PHI MEDIAN DIAMETER (M φ)				
	g. PHI DEVIATION MEASURE (σ φ)				
	h. PHI SKEWNESS MEASURE (σ φ)				
	i. CHEMICAL ANALYSIS				
	a. CaCO ₃ (%)				
	b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
PRINC-IND-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-43 Station AS 56	3. SAMPLER TYPE	Phleger
4. LATITUDE	20° 39'	7. WATER DEPTH (meters)	25.6		
5. LONGITUDE	71° 38'	8. CORE LENGTH (cm)	76		
6. DATE (day, month, year)	14 March 1961	9. CORE PENETRATION (cm)	76		
10. LABORATORY NUMBER	7116	11. SUB SAMPLE DEPTH IN CORE (cm)	7117		
12. COLOR (for the CS-1 rock color chart)	Dark Yellowish Brown 10YR 4/2	13. COLOR (for the CS-1 rock color chart)	7-12		
F. FIELD		L. LAB. DETERMINATION			
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<1 φ)	19				
b. % SAND	39				
c. % SILT	42				
d. % CLAY	32				
f. PHI MEDIAN DIAMETER (φ)	3.76				
g. PHI DEVIATION MEASURE (σ φ)	0.17				
h. PHI SKEWNESS MEASURE (α φ)	14				
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	14				
b. Organic Carbon	14				

* Contains black streaks

OCEANOGRAPHIC LOG SHEET-R
PRINC-IND-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-46 Station AS 55	3. SAMPLER TYPE	Phleger
4. LATITUDE	20° 30'	7. WATER DEPTH (meters)	51.2		
5. LONGITUDE	70° 30'	8. CORE LENGTH (cm)	68.5		
6. DATE (day, month, year)	14 March 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7127	11. SUB SAMPLE DEPTH IN CORE (cm)	7128		
12. COLOR (for the CS-1 rock color chart)	Light Olive Gray 5Y 5/2	13. COLOR (for the CS-1 rock color chart)	20-26		
F. FIELD		L. LAB. DETERMINATION			
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<1 φ)	3				
b. % SAND	49				
c. % SILT	48				
d. % CLAY	50				
f. PHI MEDIAN DIAMETER (φ)	3.74				
g. PHI DEVIATION MEASURE (σ φ)	0.37				
h. PHI SKEWNESS MEASURE (α φ)	17				
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	14				
b. Organic Carbon (%)	15				

OCEANOGRAPHIC LOG SHEET-R
PRINC-IND-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-47 Station AS 54	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	20° 30'	7. WATER DEPTH (meters)	122.8		
5. LONGITUDE	069° 25'	8. CORE LENGTH (cm)	122.8		
6. DATE (day, month, year)	15 March 1961	9. CORE PENETRATION (cm)	122.8		
10. LABORATORY NUMBER	7180	11. SUB SAMPLE DEPTH IN CORE (cm)	7180		
12. COLOR (for the CS-1 rock color chart)	Light Olive Gray 5Y 5/2	13. COLOR (for the CS-1 rock color chart)	7180		
F. FIELD		L. LAB. DETERMINATION			
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<1 φ)	98				
b. % SAND	1				
c. % SILT	1				
d. % CLAY	1				
f. PHI MEDIAN DIAMETER (φ)	3.88				
g. PHI DEVIATION MEASURE (σ φ)	0.40				
h. PHI SKEWNESS MEASURE (α φ)	-0.07				
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	80				
b. Organic Carbon	80				

OCEANOGRAPHIC LOG SHEET-R

SEDIMENT ANALYSIS SUMMARY SHEET

1. CR. NO.	2. DATE	3. SAMPLE NO.	4. LOCATION	5. LATITUDE	6. LONGITUDE	7. DATE (month)	8. TIME (hr)	9. SAMPLE TYPE	10. PHOTOMETER
0085	20	30	30	30	16	March	1961	3. SAMPLE NO. 35-48 Station AS 52	4. LOCATION TYPE Phleger
1	1	1	1	1	1	1	1	3010	30.5
1	1	1	1	1	1	1	1	75.3	75.3
1	1	1	1	1	1	1	1	91.4	91.4
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	255.45	255.45
1	1	1	1	1	1	1	1	45.8	45.8
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
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1	1	1	1	1	1	1	1	706.8	706.8
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1	1	1	1	1	1	1	1	706.8	706.8
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1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1	10-13	10-13
1	1	1	1	1	1	1	1	706.8	706.8
1	1	1	1	1	1	1	1		

OCEANOGRAPHIC LOG SHEET-R
PBNC-NHQ-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

[illegible]

OCEANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

REQUIREMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO.		3. WATER DEPTH (meters)		4. SAMPLER TYPE	
10		10-5		47		48	
4. LATITUDE	0	5. LONGITUDE	0	6. DATE (day, month, year)	10/11/71	7. CORE PENETRATION (m)	
8. LAB. NO.	10-5	9. DATE (day, month, year)	10/11/71	10. LABORATORY NUMBER	21-21	11. SAMPLE DEPTH IN CORE (m)	
12. COLOR (by the color chart)	10/4/2	13. GRAIN (by the color chart)	10/4/2	14. GRAIN (by the color chart)	10/4/2	15. GRAIN (by the color chart)	
16. FIELD	10/4/2	17. LAB. IDENTIFICATION	10/4/2	18. ANALYSIS AND STATISTICAL DATA	10/4/2	19. ANALYSIS AND STATISTICAL DATA	
20. ANALYSIS AND STATISTICAL DATA	10/4/2	21. ANALYSIS AND STATISTICAL DATA	10/4/2	22. ANALYSIS AND STATISTICAL DATA	10/4/2	23. ANALYSIS AND STATISTICAL DATA	
24. ANALYSIS AND STATISTICAL DATA	10/4/2	25. ANALYSIS AND STATISTICAL DATA	10/4/2	26. ANALYSIS AND STATISTICAL DATA	10/4/2	27. ANALYSIS AND STATISTICAL DATA	
28. ANALYSIS AND STATISTICAL DATA	10/4/2	29. ANALYSIS AND STATISTICAL DATA	10/4/2	30. ANALYSIS AND STATISTICAL DATA	10/4/2	31. ANALYSIS AND STATISTICAL DATA	
32. ANALYSIS AND STATISTICAL DATA	10/4/2	33. ANALYSIS AND STATISTICAL DATA	10/4/2	34. ANALYSIS AND STATISTICAL DATA	10/4/2	35. ANALYSIS AND STATISTICAL DATA	
36. ANALYSIS AND STATISTICAL DATA	10/4/2	37. ANALYSIS AND STATISTICAL DATA	10/4/2	38. ANALYSIS AND STATISTICAL DATA	10/4/2	39. ANALYSIS AND STATISTICAL DATA	
40. ANALYSIS AND STATISTICAL DATA	10/4/2	41. ANALYSIS AND STATISTICAL DATA	10/4/2	42. ANALYSIS AND STATISTICAL DATA	10/4/2	43. ANALYSIS AND STATISTICAL DATA	
44. ANALYSIS AND STATISTICAL DATA	10/4/2	45. ANALYSIS AND STATISTICAL DATA	10/4/2	46. ANALYSIS AND STATISTICAL DATA	10/4/2	47. ANALYSIS AND STATISTICAL DATA	
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52. ANALYSIS AND STATISTICAL DATA	10/4/2	53. ANALYSIS AND STATISTICAL DATA	10/4/2	54. ANALYSIS AND STATISTICAL DATA	10/4/2	55. ANALYSIS AND STATISTICAL DATA	
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104. ANALYSIS AND STATISTICAL DATA	10/4/2	105. ANALYSIS AND STATISTICAL DATA	10/4/2	106. ANALYSIS AND STATISTICAL DATA	10/4/2	107. ANALYSIS AND STATISTICAL DATA	
108. ANALYSIS AND STATISTICAL DATA	10/4/2	109. ANALYSIS AND STATISTICAL DATA	10/4/2	110. ANALYSIS AND STATISTICAL DATA	10/4/2	111. ANALYSIS AND STATISTICAL DATA	
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280. ANALYSIS AND STATISTICAL DATA	10/4/2	281. ANALYSIS AND STATISTICAL DATA	10/4/2	282. ANALYSIS AND STATISTICAL DATA	10/4/2	283. ANALYSIS AND STATISTICAL DATA	
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408. ANALYSIS AND STATISTICAL DATA	10/4/2	409. ANALYSIS AND STATISTICAL DATA	10/4/2	410. ANALYSIS AND STATISTICAL DATA	10/4/2	411. ANALYSIS AND STATISTICAL DATA	
412. ANALYSIS AND STATISTICAL DATA	10/4/2	413. ANALYSIS AND STATISTICAL DATA	10/4/2	414. ANALYSIS AND STATISTICAL DATA	10/4/2	415. ANALYSIS AND STATISTICAL DATA	
416. ANALYSIS AND STATISTICAL DATA	10/4/2	417. ANALYSIS AND STATISTICAL DATA	10/4/2	418. ANALYSIS AND STATISTICAL DATA	10/4/2	419. ANALYSIS AND STATISTICAL DATA	
420. ANALYSIS AND STATISTICAL DATA	10/4/2	421. ANALYSIS AND STATISTICAL DATA	10/4/2	422. ANALYSIS AND STATISTICAL DATA	10/4/2	423. ANALYSIS AND STATISTICAL DATA	
424. ANALYSIS AND STATISTICAL DATA	10/4/2	425. ANALYSIS AND STATISTICAL DATA	10/4/2	426. ANALYSIS AND STATISTICAL DATA	10/4/2	427. ANALYSIS AND STATISTICAL DATA	
428. ANALYSIS AND STATISTICAL DATA	10/4/2	429. ANALYSIS AND STATISTICAL DATA	10/4/2	430. ANALYSIS AND STATISTICAL DATA	10/4/2	431. ANALYSIS AND STATISTICAL DATA	
432. ANALYSIS AND STATISTICAL DATA	10/4/2	433. ANALYSIS AND STATISTICAL DATA	10/4/2	434. ANALYSIS AND STATISTICAL DATA	10/4/2	435. ANALYSIS AND STATISTICAL DATA	
436. ANALYSIS AND STATISTICAL DATA	10/4/2	437. ANALYSIS AND STATISTICAL DATA	10/4/2	438. ANALYSIS AND STATISTICAL DATA	10/4/2	439. ANALYSIS AND STATISTICAL DATA	
440. ANALYSIS AND STATISTICAL DATA	10/4/2	441. ANALYSIS AND STATISTICAL DATA	10/4/2	442. ANALYSIS AND STATISTICAL DATA	10/4/2	443. ANALYSIS AND STATISTICAL DATA	
444. ANALYSIS AND STATISTICAL DATA	10/4/2	445. ANALYSIS AND STATISTICAL DATA	10/4/2	446. ANALYSIS AND STATISTICAL DATA	10/4/2	447. ANALYSIS AND STATISTICAL DATA	
448. ANALYSIS AND STATISTICAL DATA	10/4/2	449. ANALYSIS AND STATISTICAL DATA	10/4/2	450. ANALYSIS AND STATISTICAL DATA	10/4/2	451. ANALYSIS AND STATISTICAL DATA	
452. ANALYSIS AND STATISTICAL DATA	10/4/2	453. ANALYSIS AND STATISTICAL DATA	10/4/2	454. ANALYSIS AND STATISTICAL DATA	10/4/2	455. ANALYSIS AND STATISTICAL DATA	
456. ANALYSIS AND STATISTICAL DATA	10/4/2	457. ANALYSIS AND STATISTICAL DATA	10/4/2	458. ANALYSIS AND STATISTICAL DATA	10/4/2	459. ANALYSIS AND STATISTICAL DATA	
460. ANALYSIS AND STATISTICAL DATA	10/4/2	461. ANALYSIS AND STATISTICAL DATA	10/4/2	462. ANALYSIS AND STATISTICAL DATA	10/4/2	463. ANALYSIS AND STATISTICAL DATA	
464. ANALYSIS AND STATISTICAL DATA	10/4/2	465. ANALYSIS AND STATISTICAL DATA	10/4/2	466. ANALYSIS AND STATISTICAL DATA	10/4/2	467. ANALYSIS AND STATISTICAL DATA	
468. ANALYSIS AND STATISTICAL DATA	10/4/2	469. ANALYSIS AND STATISTICAL DATA	10/4/2	470. ANALYSIS AND STATISTICAL DATA	10/4/2	471. ANALYSIS AND STATISTICAL DATA	
472. ANALYSIS AND STATISTICAL DATA	10/4/2	473. ANALYSIS AND STATISTICAL DATA	10/4/2	474. ANALYSIS AND STATISTICAL DATA	10/4/2	475. ANALYSIS AND STATISTICAL DATA	
476. ANALYSIS AND STATISTICAL DATA	10/4/2	477. ANALYSIS AND STATISTICAL DATA	10/4/2	478. ANALYSIS AND STATISTICAL DATA	10/4/2	479. ANALYSIS AND STATISTICAL DATA	
480. ANALYSIS AND STATISTICAL DATA	10/4/2	481. ANALYSIS AND STATIST					

COCEANOGRAPHIC LOG SHEET-R
PRHC-NHO-3167/18 (Rev. 4-60)

RESIDENT ANALYSIS SUMMARY SHEET

1. QUOTE NO.	2. SAMPLE NO.	3. SAMPLE TYPE
1.	25-44	continuous
4. LATITUDE	0	5. LONGITUDE
6. DATE	month, year	7. TIME
8. CORE LENGTH (cm)	8. CORE LENGTH (in)	9. CORE LENGTH (m)
10. LABORATORY NUMBER	7073	7075
11. LABORATORY DEPTH IN CORE (cm)	62-66	29-70.2
12. CORE TYPE (see 25.1 note under chart)	Light	Light
13. CORE TYPE (see 25.1 note under chart)	Olive Gray	Olive Gray
	515 1/2	815 1/2
14. FIELD	1	2
15. LABORATORY DETERMINATION		
16. SOILS ANALYST (see 25.1 note under chart)		
17. SOILS ANALYST AND STATISTICAL MEASURES		
18. % CORNER THAN SAND (< 1/4 φ)	6	13
19. % SAND	58	40
20. % SILT	37	48
21. % CLAY	7.43	8.85
22. REGION TYPE	Clayey, silt	Silty clay
23. PHI MEDIAN DIAMETER (M φ)		
24. PHI DEVIATION MEASURE (M φ)		
25. PHI SKEWNESS MEASURE (M φ)		
26. PHI KURTOSIS MEASURE (M φ)		
27. PHYSICAL PROPERTIES		
28. a. DUCTY (%)	67	58
29. b. Organic Carbon (C _{org})		

OCEANOGRAPHIC LOG SHEET-R
PRINCING-3167/18 (Rev. 4-80)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-54 Station AS 45	3. SAMPLER TYPE	Phleger
4. LATITUDE	21° 30'	7. WATER DEPTH (meters)	627		
5. LONGITUDE	029° 45'	8. CORE LENGTH (cm)	914		
6. DATE (day, month, year)	17 March 1961	9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7668	11. SUR SAMPLE DEPTH IN CORE (cm)	1620		
12. COLOR (by the 0.5% rock color chart)	0-5	12. COLOR (by the 0.5% rock color chart)	10-15		
13. COLOR (by the 0.5% rock color chart)	Moderate Olive Brown	13. COLOR (by the 0.5% rock color chart)	Moderate Olive Brown		
14. SIZE ANALYSIS AND STATISTICAL MEASURES		14. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. % COARSER THAN SAND (< 1 φ)	37	a. % COARSER THAN SAND (< 1 φ)	28		
b. % SAND	45	b. % SAND	52		
c. % SILT	17	c. % SILT	22		
d. % CLAY	31	d. % CLAY	20		
e. SEDIMENT TYPE	Sandy silt	e. SEDIMENT TYPE	Silty Mud		
f. PHI MEDIAN DIAMETER (M φ)	3.7	f. PHI MEDIAN DIAMETER (M φ)	5.45		
g. PHI DEVIATION MEASURE (σ φ)	1.63	g. PHI DEVIATION MEASURE (σ φ)	6.38		
h. PHI SKENESS MEASURE (log σ)	0.94	h. PHI SKENESS MEASURE (log σ)			
15. CHEMICAL ANALYSIS		15. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)	53	a. CaCO ₃ (%)	58		
b. Organic Carbon (%)	3.16	b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R
PRINCING-3167/18 (Rev. 4-80)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	BS-54 (continued)	2. SAMPLE NO.	BS-54	3. SAMPLER TYPE	
4. LATITUDE	0	7. WATER DEPTH (meters)			
5. LONGITUDE	0	8. CORE LENGTH (cm)	7678		
6. DATE (day, month, year)		9. CORE PENETRATION (cm)	54-594		
10. LABORATORY NUMBER		11. SUR SAMPLE DEPTH IN CORE (cm)	44-46		
12. COLOR (by the 0.5% rock color chart)		12. COLOR (by the 0.5% rock color chart)	Moderate Olive Brown		
13. COLOR (by the 0.5% rock color chart)		13. COLOR (by the 0.5% rock color chart)	Grayish Olive		
14. SIZE ANALYSIS AND STATISTICAL MEASURES		14. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. % COARSER THAN SAND (< 1 φ)		a. % COARSER THAN SAND (< 1 φ)	26		
b. % SAND		b. % SAND	40		
c. % SILT		c. % SILT	19		
d. % CLAY		d. % CLAY	35		
e. SEDIMENT TYPE		e. SEDIMENT TYPE	Sandy silt		
f. PHI MEDIAN DIAMETER (M φ)		f. PHI MEDIAN DIAMETER (M φ)	4.74		
g. PHI DEVIATION MEASURE (σ φ)		g. PHI DEVIATION MEASURE (σ φ)	6.20		
h. PHI SKENESS MEASURE (log σ)		h. PHI SKENESS MEASURE (log σ)	1.68		
15. CHEMICAL ANALYSIS		15. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)		a. CaCO ₃ (%)	56		
b. Organic Carbon (%)		b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R
PRINCING-3167/18 (Rev. 4-80)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-55 Station AS 42	3. SAMPLER TYPE	Phleger
4. LATITUDE	21° 30'	7. WATER DEPTH (meters)	919		
5. LONGITUDE	030° 30'	8. CORE LENGTH (cm)	74		
6. DATE (day, month, year)	18 March 1961	9. CORE PENETRATION (cm)	914		
10. LABORATORY NUMBER	7119	11. SUR SAMPLE DEPTH IN CORE (cm)	7120		
12. COLOR (by the 0.5% rock color chart)	Greenish Gray	12. COLOR (by the 0.5% rock color chart)	40-44.5		
13. COLOR (by the 0.5% rock color chart)	Moderate Brown	13. COLOR (by the 0.5% rock color chart)	53-62		
14. SIZE ANALYSIS AND STATISTICAL MEASURES		14. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. % COARSER THAN SAND (< 1 φ)		a. % COARSER THAN SAND (< 1 φ)	2		
b. % SAND		b. % SAND	53		
c. % SILT		c. % SILT	45		
d. % CLAY		d. % CLAY	44		
e. SEDIMENT TYPE		e. SEDIMENT TYPE	Clayey silt		
f. PHI MEDIAN DIAMETER (M φ)		f. PHI MEDIAN DIAMETER (M φ)	8.36		
g. PHI DEVIATION MEASURE (σ φ)		g. PHI DEVIATION MEASURE (σ φ)	8.87		
h. PHI SKENESS MEASURE (log σ)		h. PHI SKENESS MEASURE (log σ)			
15. CHEMICAL ANALYSIS		15. CHEMICAL ANALYSIS			
a. CaCO ₃ (%)		a. CaCO ₃ (%)	32		
b. Organic Carbon (%)		b. Organic Carbon (%)	2.99		

* Contained a thin layer of brown silt

DCE ANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CHUTE NO.	2. SAMPLE NO.	3. SAMPLE NO. CONTINUED	4. SAMPLER TYPE
6. LATITUDE			
7. LONGITUDE			
8. DATE (for month, year)			
9. NO. LABORATORY NUMBER			
10. 11. SUP. SAMPLE DEPTH IN CORE (cm)			
12. COLOR (by the U.S. rock color chart)			
13. FIELD			
14. CORE ANALYSIS AND STATISTICAL MEASURES			
15. CHEMICAL ANALYSIS			
16. Organic Carbon (%)			

DCEANOGRAPHIC LOG SHEET-R
PRNC.NMO.3167/18 (Rev. 4-60)

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SEDIMENT ANALYSIS SUMMARY SHEET

1. QUOTE NO.	00865	2. SAMPLE NO.	BS-5822	3. SECTION	AS3	4. SAMPLER TYPE	Phleger
4. LATITUDE	24° 30'	5. N	11	6. WATER DEPTH (meters)	1318	7. DATE	1958
8. DATE (for month, year)	19 March	9. H	1961	10. CORE PENETRATION (cm)	41.4	11. I	2107
12. LABORATORY NUMBER	2105	13. DUSKY	20-24	14. YELLOW GREEN	20-24	15. DUSKY	42-46
16. SUB-SAMPLE DEPTH IN CORE (cm)	0-2	17. YELLOW GREEN	20-24	18. YELLOW GREEN	20-24	19. DUSKY	42-46
20. COLOR (by the U.S. rock color chart)		21. F	50-52	22. F	50-52	23. F	50-52
24. FIELD LAB. DETERMINATION		25. F	50-52	26. F	50-52	27. F	50-52
28. CORE LENGTH (meters) (U.S. ft.)		29. F	50-52	30. F	50-52	31. F	50-52
32. CORE ANALYSIS AND STATISTICAL MEASURES		33. F	50-52	34. F	50-52	35. F	50-52
36. % SAND		37. F	50-52	38. F	50-52	39. F	50-52
40. % SILT		41. F	50-52	42. F	50-52	43. F	50-52
44. % CLAY		45. F	50-52	46. F	50-52	47. F	50-52
48. % SILT		49. F	50-52	50. F	50-52	51. F	50-52
52. % CLAY		53. F	50-52	54. F	50-52	55. F	50-52
58. % SILT		59. F	50-52	60. F	50-52	61. F	50-52
64. % CLAY		65. F	50-52	66. F	50-52	67. F	50-52
70. % SILT		71. F	50-52	72. F	50-52	73. F	50-52
76. % CLAY		77. F	50-52	78. F	50-52	79. F	50-52
82. % SILT		83. F	50-52	84. F	50-52	85. F	50-52
88. % CLAY		89. F	50-52	90. F	50-52	91. F	50-52
94. % SILT		95. F	50-52	96. F	50-52	97. F	50-52
100. % CLAY		98. F	50-52	99. F	50-52	100. F	50-52
106. % SILT		107. F	50-52	108. F	50-52	109. F	50-52
112. % CLAY		113. F	50-52	114. F	50-52	115. F	50-52
118. % SILT		119. F	50-52	120. F	50-52	121. F	50-52
124. % CLAY		125. F	50-52	126. F	50-52	127. F	50-52
130. % SILT		131. F	50-52	132. F	50-52	133. F	50-52
136. % CLAY		137. F	50-52	138. F	50-52	139. F	50-52
142. % SILT		143. F	50-52	144. F	50-52	145. F	50-52
148. % CLAY		149. F	50-52	150. F	50-52	151. F	50-52
154. % SILT		155. F	50-52	156. F	50-52	157. F	50-52
160. % CLAY		161. F	50-52	162. F	50-52	163. F	50-52
166. % SILT		167. F	50-52	168. F	50-52	169. F	50-52
172. % CLAY		173. F	50-52	174. F	50-52	175. F	50-52
178. % SILT		179. F	50-52	180. F	50-52	181. F	50-52
184. % CLAY		185. F	50-52	186. F	50-52	187. F	50-52
190. % SILT		191. F	50-52	192. F	50-52	193. F	50-52
196. % CLAY		197. F	50-52	198. F	50-52	199. F	50-52
202. % SILT		203. F	50-52	204. F	50-52	205. F	50-52
208. % CLAY		209. F	50-52	210. F	50-52	211. F	50-52
214. % SILT		215. F	50-52	216. F	50-52	217. F	50-52
220. % CLAY		221. F	50-52	222. F	50-52	223. F	50-52
226. % SILT		227. F	50-52	228. F	50-52	229. F	50-52
232. % CLAY		233. F	50-52	234. F	50-52	235. F	50-52
238. % SILT		239. F	50-52	240. F	50-52	241. F	50-52
 
628. % CLAY		629. F	50-52	630. F	50-52	631. F	50-52
634. % SILT		635. F	50-52	636. F	50-52	637. F	50-52
640. % CLAY		641. F	50-52	642. F	50-52	643. F	50-52
646. % SILT		647. F	50-52	648. F	50-52	649. F	50-52
652. % CLAY		653. F	50-52	654. F	50-52	655. F	50-52
658. % SILT		659. F	50-52	660. F	50-52	661. F	50-52
664. % CLAY		665. F	50-52	666. F	50-52	667. F	50-52
670. % SILT		671. F	50-52	672. F	50-52	673. F	50-52
676. % CLAY		677. F	50-52	678. F	50-52	679. F	50-52
682. % SILT		683. F	50-52	684. F	50-52	685. F	50-52
688. % CLAY		689. F	50-52	690. F	50-52	691. F	50-52
694. % SILT		695. F	50-52	696. F	50-52	697. F	50-52
700. % CLAY		698. F	50-52	699. F	50-52	700. F	50-52
706. % SILT		707. F	50-52	708. F	50-52	709. F	50-52
712. % CLAY		713. F	50-52	714. F	50-52	715. F	50-52
718. % SILT		719. F	50-52	720. F	50-52	721. F	50-52
724. % CLAY		725. F	50-52	726. F	50-52	727. F	50-52
730. % SILT		731. F	50-52	732. F	50-52	733. F	50-52
736. % CLAY		737. F	50-52	738. F	50-52	739. F	50-52
742. % SILT		743. F	50-52	744. F	50-52	745. F	50-52
748. % CLAY		749. F	50-52	750. F	50-52	751. F	50-52
754. % SILT		755. F	50-52	756. F	50-52	757. F	50-52
760. % CLAY		761. F	50-52	762. F	50-52	763. F	50-52
766. % SILT		767. F	50-52	768. F	50-52	769. F	50-52
772. % CLAY		773. F	50-52	774. F	50-52	775. F	50-52
778. % SILT		779. F	50-52	780. F	50-52	781. F	50-52
784. % CLAY		785. F	50-52	786. F	50-52	787. F	50-52
790. % SILT		791. F	50-52	792. F	50-52	793. F	50-52
796. % CLAY		797. F	50-52	798. F	50-52	799. F	50-52
802. % SILT		803. F	50-52	804. F	50-52	805. F	50-52
808. % CLAY		809. F	50-52	810. F	50-52	811. F	50-52
814. % SILT		815. F	50-52	816. F	50-52	817. F	50-52
820. % CLAY		821. F	50-52	822. F	50-52	823. F	50-52
826. % SILT		827. F	50-52	828. F	50-52	829. F	50-52
832. % CLAY		833. F	50-52	834. F	50-52	835. F	50-52
838. % SILT		839. F	50-52	840. F	50-52	841. F	50-52
844. % CLAY		845. F	50-52	846. F	50-52	847. F	50-52
850. % SILT		851. F	50-52	852. F	50-52	853. F	50-52
856. % CLAY		857. F	50-52	858. F	50-52	859. F	50-52
862. % SILT		863. F	50-52	864. F	50-52	865. F	50-52
868. % CLAY		869. F	50-52	870. F	50-52	871. F	50-52
874. % SILT		875. F	50-52	876. F	50-52	877. F	50-52
880. % CLAY		881. F	50-52	882. F	50-52	883. F	50-52
886. % SILT		887. F	50-52	888. F	50-52	889. F	50-52
892. % CLAY		893. F	50-52	894. F	50-52	895. F	50-52
898. % SILT		899. F	50-52	900. F	50-52	901. F	50-52
904.							

ICE AND GRAPHIC LOG SHEET.R

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EXPERIMENTAL ANALYSIS SUMMARY SHEET

SEDIMENT ANALYSIS SUMMARY SHEET									
1. CRUISE NO. <u>00865</u>		3. SAMPLE NO. <u>BS-56 Station MS 24 - 3</u> SAMPLE TYPE <u>Phleger</u>							
4. LATITUDE <u>22° 30'</u>	5. LONGITUDE <u>80° 30'</u>	6. DATE <u>18 March 1961</u>	7. WATER DEPTH (meters) <u>291</u>	8. CORE LENGTH (cm) <u>91.4</u>	9. CORE PENETRATION (cm) <u>76.23</u>	10. <u>76.30</u>	11. <u>26 - 31</u>	12. <u>Grayish Olive</u>	13. <u>1044/2</u>
14. LABORATORY NUMBER <u>10-5</u>	15. LABORATORY NAME <u>Moderate Olive</u>	16. LABORATORY ADDRESS <u>Dark Brown</u>	17. LABORATORY PHONE <u>534/4</u>	18. LABORATORY FAX <u>534/4</u>	19. LABORATORY TELETYPE <u>534/4</u>	20. LABORATORY TELETYPE <u>534/4</u>	21. LABORATORY TELETYPE <u>534/4</u>	22. LABORATORY TELETYPE <u>534/4</u>	23. LABORATORY TELETYPE <u>534/4</u>
24. LABORATORY TELETYPE <u>534/4</u>	25. LABORATORY TELETYPE <u>534/4</u>	26. LABORATORY TELETYPE <u>534/4</u>	27. LABORATORY TELETYPE <u>534/4</u>	28. LABORATORY TELETYPE <u>534/4</u>	29. LABORATORY TELETYPE <u>534/4</u>	30. LABORATORY TELETYPE <u>534/4</u>	31. LABORATORY TELETYPE <u>534/4</u>	32. LABORATORY TELETYPE <u>534/4</u>	33. LABORATORY TELETYPE <u>534/4</u>
34. LABORATORY TELETYPE <u>534/4</u>	35. LABORATORY TELETYPE <u>534/4</u>	36. LABORATORY TELETYPE <u>534/4</u>	37. LABORATORY TELETYPE <u>534/4</u>	38. LABORATORY TELETYPE <u>534/4</u>	39. LABORATORY TELETYPE <u>534/4</u>	40. LABORATORY TELETYPE <u>534/4</u>	41. LABORATORY TELETYPE <u>534/4</u>	42. LABORATORY TELETYPE <u>534/4</u>	43. LABORATORY TELETYPE <u>534/4</u>
44. LABORATORY TELETYPE <u>534/4</u>	45. LABORATORY TELETYPE <u>534/4</u>	46. LABORATORY TELETYPE <u>534/4</u>	47. LABORATORY TELETYPE <u>534/4</u>	48. LABORATORY TELETYPE <u>534/4</u>	49. LABORATORY TELETYPE <u>534/4</u>	50. LABORATORY TELETYPE <u>534/4</u>	51. LABORATORY TELETYPE <u>534/4</u>	52. LABORATORY TELETYPE <u>534/4</u>	53. LABORATORY TELETYPE <u>534/4</u>
54. LABORATORY TELETYPE <u>534/4</u>	55. LABORATORY TELETYPE <u>534/4</u>	56. LABORATORY TELETYPE <u>534/4</u>	57. LABORATORY TELETYPE <u>534/4</u>	58. LABORATORY TELETYPE <u>534/4</u>	59. LABORATORY TELETYPE <u>534/4</u>	60. LABORATORY TELETYPE <u>534/4</u>	61. LABORATORY TELETYPE <u>534/4</u>	62. LABORATORY TELETYPE <u>534/4</u>	63. LABORATORY TELETYPE <u>534/4</u>
64. LABORATORY TELETYPE <u>534/4</u>	65. LABORATORY TELETYPE <u>534/4</u>	66. LABORATORY TELETYPE <u>534/4</u>	67. LABORATORY TELETYPE <u>534/4</u>	68. LABORATORY TELETYPE <u>534/4</u>	69. LABORATORY TELETYPE <u>534/4</u>	70. LABORATORY TELETYPE <u>534/4</u>	71. LABORATORY TELETYPE <u>534/4</u>	72. LABORATORY TELETYPE <u>534/4</u>	73. LABORATORY TELETYPE <u>534/4</u>
74. LABORATORY TELETYPE <u>534/4</u>	75. LABORATORY TELETYPE <u>534/4</u>	76. LABORATORY TELETYPE <u>534/4</u>	77. LABORATORY TELETYPE <u>534/4</u>	78. LABORATORY TELETYPE <u>534/4</u>	79. LABORATORY TELETYPE <u>534/4</u>	80. LABORATORY TELETYPE <u>534/4</u>	81. LABORATORY TELETYPE <u>534/4</u>	82. LABORATORY TELETYPE <u>534/4</u>	83. LABORATORY TELETYPE <u>534/4</u>
84. LABORATORY TELETYPE <u>534/4</u>	85. LABORATORY TELETYPE <u>534/4</u>	86. LABORATORY TELETYPE <u>534/4</u>	87. LABORATORY TELETYPE <u>534/4</u>	88. LABORATORY TELETYPE <u>534/4</u>	89. LABORATORY TELETYPE <u>534/4</u>	90. LABORATORY TELETYPE <u>534/4</u>	91. LABORATORY TELETYPE <u>534/4</u>	92. LABORATORY TELETYPE <u>534/4</u>	93. LABORATORY TELETYPE <u>534/4</u>
94. LABORATORY TELETYPE <u>534/4</u>	95. LABORATORY TELETYPE <u>534/4</u>	96. LABORATORY TELETYPE <u>534/4</u>	97. LABORATORY TELETYPE <u>534/4</u>	98. LABORATORY TELETYPE <u>534/4</u>	99. LABORATORY TELETYPE <u>534/4</u>	100. LABORATORY TELETYPE <u>534/4</u>	101. LABORATORY TELETYPE <u>534/4</u>	102. LABORATORY TELETYPE <u>534/4</u>	103. LABORATORY TELETYPE <u>534/4</u>
104. LABORATORY TELETYPE <u>534/4</u>	105. LABORATORY TELETYPE <u>534/4</u>	106. LABORATORY TELETYPE <u>534/4</u>	107. LABORATORY TELETYPE <u>534/4</u>	108. LABORATORY TELETYPE <u>534/4</u>	109. LABORATORY TELETYPE <u>534/4</u>	110. LABORATORY TELETYPE <u>534/4</u>	111. LABORATORY TELETYPE <u>534/4</u>	112. LABORATORY TELETYPE <u>534/4</u>	113. LABORATORY TELETYPE <u>534/4</u>
114. LABORATORY TELETYPE <u>534/4</u>	115. LABORATORY TELETYPE <u>534/4</u>	116. LABORATORY TELETYPE <u>534/4</u>	117. LABORATORY TELETYPE <u>534/4</u>	118. LABORATORY TELETYPE <u>534/4</u>	119. LABORATORY TELETYPE <u>534/4</u>	120. LABORATORY TELETYPE <u>534/4</u>	121. LABORATORY TELETYPE <u>534/4</u>	122. LABORATORY TELETYPE <u>534/4</u>	123. LABORATORY TELETYPE <u>534/4</u>
 
b. Organic Carbon (%)	2.68	21. GRAIN SIZE	Grayish Olive

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	35-59 Station AS	3. SAMPLER TYPE	Pileger
4. LATITUDE	29° 30' N	7. WATER DEPTH (meters)	622		
5. LONGITUDE	067° 27.5' E	8. CORE LENGTH (cm)	622.5		
6. DATE (day, month, year)	19 March 1961	9. CORE PENETRATION (cm)	914		
10. LABORATORY NUMBER	7009	7010	7011		
11. SUB SAMPLE DEPTH IN CORE (cm)	0-4.5	15.5-20	36.5-40		
12. COLOR (by the C&I rock color chart)	Grayish Olive	Grayish Olive	Grayish Olive		
F. FIELD	1044/2	F	1044/2	F	1044/2
13. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<= 1 φ)					
b. % SAND	38	45	44		
c. % SILT	61	53	56		
d. % CLAY	Silty Clay	Silty Clay	Silty Clay		
e. SEDIMENT TYPE					
f. PHI MEDIAN DIAMETER (φ)					
g. PHI DEVIATION MEASURE (σ φ)					
h. PHI SKEWNESS MEASURE (σ φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	34	33	35		
b. Organic Carbon (%)	1.03				

OCEANOGRAPHIC LOG SHEET-R
PRC-IND-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	35-60 Station AS	3. SAMPLER TYPE	Pileger
4. LATITUDE	29° 30' N	7. WATER DEPTH (meters)	240		
5. LONGITUDE	067° 30' E	8. CORE LENGTH (cm)	240		
6. DATE (day, month, year)	20 March 1961	9. CORE PENETRATION (cm)	74.2		
10. LABORATORY NUMBER	7009	7010	7011		
11. SUB SAMPLE DEPTH IN CORE (cm)	0-5	10-15	10-15		
12. COLOR (by the C&I rock color chart)	Grayish Olive	Grayish Olive	Grayish Olive		
F. FIELD	1044/2				
13. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<= 1 φ)					
b. % SAND	53	51	52		
c. % SILT	47	49	48		
d. % CLAY	Clayey Silt	Clayey Silt	Clayey Silt		
e. SEDIMENT TYPE					
f. PHI MEDIAN DIAMETER (φ)	8.74	8.94	8.80		
g. PHI DEVIATION MEASURE (σ φ)					
h. PHI SKEWNESS MEASURE (σ φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	21	20	22		
b. Organic Carbon (%)	2.35				

OCEANOGRAPHIC LOG SHEET-R
PRC-IND-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	35-60 (Continued)	2. SAMPLE NO.		3. SAMPLER TYPE	
4. LATITUDE		7. WATER DEPTH (meters)			
5. LONGITUDE		8. CORE LENGTH (cm)			
6. DATE (day, month, year)		9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER	7009	7010	7011		
11. SUB SAMPLE DEPTH IN CORE (cm)	40-45	50-55			
12. COLOR (by the C&I rock color chart)	Grayish Olive	Grayish Olive			
F. FIELD	1044/2				
13. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<= 1 φ)					
b. % SAND	Trace	51			
c. % SILT	46	48			
d. % CLAY	Clayey Silt	Clayey Silt			
e. SEDIMENT TYPE					
f. PHI MEDIAN DIAMETER (φ)	8.78	8.89			
g. PHI DEVIATION MEASURE (σ φ)					
h. PHI SKEWNESS MEASURE (σ φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	32	24			
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R
PNC-MNO-3107/18 (Rev. 4/60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. STATION	4. SAMPLER TYPE	5. WATER DEPTH (meters)	6. CORE LENGTH (m)	7. CORE PENETRATION (cm)	8. LABORATORY NUMBER	9. SUB SAMPLE DEPTH IN CORE (cm)	10. COLOR (by the 151 rack color chart)	11. LAB. DETERMINATION	12. CORE (locally, modify, mark, U.S. etc.)	13. SIZE ANALYSIS and STATISTICAL MEASURES	14. CHEMICAL ANALYSIS
00865	35-61	Station AS 5	Phleger	30'	24.9	58	7618	7615	10-25	Greenish Gray 5G Yell			
4. LATITUDE	24° 30'	5. LONGITUDE	089° 30'	6. DATE (day, month, year)	20 March 1961	7. LABORATORY NUMBER	7614	8. SUB SAMPLE DEPTH IN CORE (cm)	0-5	9. COLOR (by the 151 rack color chart)	10. LAB. DETERMINATION	11. CHEMICAL ANALYSIS	12. CORE (locally, modify, mark, U.S. etc.)
1. CRUISE NO.	35-61	2. SAMPLE NO.	35-61	3. STATION	AS 5	4. SAMPLER TYPE	Phleger	5. WATER DEPTH (meters)	24.9	6. CORE LENGTH (m)	58	7. CORE PENETRATION (cm)	8. LABORATORY NUMBER
9. SUB SAMPLE DEPTH IN CORE (cm)	0-5	10. COLOR (by the 151 rack color chart)	Greenish Gray 5G Yell	11. LAB. DETERMINATION	Greenish Gray 5G Yell	12. CORE (locally, modify, mark, U.S. etc.)		13. SIZE ANALYSIS and STATISTICAL MEASURES		14. CHEMICAL ANALYSIS			
a. % COARSEST THAN SAND (< 1 φ)	1	b. % SAND	57	c. % SILT	41	d. % CLAY	Clayey Silt	e. PH. MEDIUM DIAMETER (M φ)	8.63	f. PH. DEVIATION MEASURE (σ φ)	8.76	g. PH. SKEWNESS MEASURE (σ φ)	8.80
h. ORGANIC CARBON (%)	1.57	i. CHEMICAL ANALYSIS		j. LABORATORY NUMBER	7618	k. SUB SAMPLE DEPTH IN CORE (cm)	0-5	l. COLOR (by the 151 rack color chart)	Greenish Gray 5G Yell	m. LAB. DETERMINATION	Greenish Gray 5G Yell	n. CHEMICAL ANALYSIS	

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. STATION	4. SAMPLER TYPE	5. WATER DEPTH (meters)	6. CORE LENGTH (m)	7. CORE PENETRATION (cm)	8. LABORATORY NUMBER	9. SUB SAMPLE DEPTH IN CORE (cm)	10. COLOR (by the 151 rack color chart)	11. LAB. DETERMINATION	12. CORE (locally, modify, mark, U.S. etc.)	13. SIZE ANALYSIS and STATISTICAL MEASURES	14. CHEMICAL ANALYSIS
00865	35-61	Station AS 5	Phleger	30'	24.9	58	7618	7615	10-25	Greenish Gray 5G Yell			
4. LATITUDE	24° 30'	5. LONGITUDE	089° 30'	6. DATE (day, month, year)	20 March 1961	7. LABORATORY NUMBER	7614	8. SUB SAMPLE DEPTH IN CORE (cm)	0-5	9. COLOR (by the 151 rack color chart)	10. LAB. DETERMINATION	11. CHEMICAL ANALYSIS	12. CORE (locally, modify, mark, U.S. etc.)
1. CRUISE NO.	35-61	2. SAMPLE NO.	35-61	3. STATION	AS 5	4. SAMPLER TYPE	Phleger	5. WATER DEPTH (meters)	24.9	6. CORE LENGTH (m)	58	7. CORE PENETRATION (cm)	8. LABORATORY NUMBER
9. SUB SAMPLE DEPTH IN CORE (cm)	0-5	10. COLOR (by the 151 rack color chart)	Greenish Gray 5G Yell	11. LAB. DETERMINATION	Greenish Gray 5G Yell	12. CORE (locally, modify, mark, U.S. etc.)		13. SIZE ANALYSIS and STATISTICAL MEASURES		14. CHEMICAL ANALYSIS			
a. % COARSEST THAN SAND (< 1 φ)	1	b. % SAND	57	c. % SILT	41	d. % CLAY	Clayey Silt	e. PH. MEDIUM DIAMETER (M φ)	8.63	f. PH. DEVIATION MEASURE (σ φ)	8.76	g. PH. SKEWNESS MEASURE (σ φ)	8.80
h. ORGANIC CARBON (%)	1.57	i. CHEMICAL ANALYSIS		j. LABORATORY NUMBER	7618	k. SUB SAMPLE DEPTH IN CORE (cm)	0-5	l. COLOR (by the 151 rack color chart)	Greenish Gray 5G Yell	m. LAB. DETERMINATION	Greenish Gray 5G Yell	n. CHEMICAL ANALYSIS	

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. STATION	4. SAMPLER TYPE	5. WATER DEPTH (meters)	6. CORE LENGTH (m)	7. CORE PENETRATION (cm)	8. LABORATORY NUMBER	9. SUB SAMPLE DEPTH IN CORE (cm)	10. COLOR (by the 151 rack color chart)	11. LAB. DETERMINATION	12. CORE (locally, modify, mark, U.S. etc.)	13. SIZE ANALYSIS and STATISTICAL MEASURES	14. CHEMICAL ANALYSIS
00865	35-61	Station AS 6	Phleger	30'	24.9	58	7618	7615	10-25	Greenish Gray 5G Yell			
4. LATITUDE	24° 30'	5. LONGITUDE	089° 30'	6. DATE (day, month, year)	20 March 1961	7. LABORATORY NUMBER	7614	8. SUB SAMPLE DEPTH IN CORE (cm)	0-5	9. COLOR (by the 151 rack color chart)	10. LAB. DETERMINATION	11. CHEMICAL ANALYSIS	12. CORE (locally, modify, mark, U.S. etc.)
1. CRUISE NO.	35-61	2. SAMPLE NO.	35-61	3. STATION	AS 6	4. SAMPLER TYPE	Phleger	5. WATER DEPTH (meters)	24.9	6. CORE LENGTH (m)	58	7. CORE PENETRATION (cm)	8. LABORATORY NUMBER
9. SUB SAMPLE DEPTH IN CORE (cm)	0-5	10. COLOR (by the 151 rack color chart)	Greenish Gray 5G Yell	11. LAB. DETERMINATION	Greenish Gray 5G Yell	12. CORE (locally, modify, mark, U.S. etc.)		13. SIZE ANALYSIS and STATISTICAL MEASURES		14. CHEMICAL ANALYSIS			
a. % COARSEST THAN SAND (< 1 φ)	1	b. % SAND	57	c. % SILT	41	d. % CLAY	Clayey Silt	e. PH. MEDIUM DIAMETER (M φ)	8.63	f. PH. DEVIATION MEASURE (σ φ)	8.76	g. PH. SKEWNESS MEASURE (σ φ)	8.80
h. ORGANIC CARBON (%)	1.57	i. CHEMICAL ANALYSIS		j. LABORATORY NUMBER	7618	k. SUB SAMPLE DEPTH IN CORE (cm)	0-5	l. COLOR (by the 151 rack color chart)	Greenish Gray 5G Yell	m. LAB. DETERMINATION	Greenish Gray 5G Yell	n. CHEMICAL ANALYSIS	

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. STATION	4. SAMPLER TYPE	5. WATER DEPTH (meters)	6. CORE LENGTH (m)	7. CORE PENETRATION (cm)	8. LABORATORY NUMBER	9. SUB SAMPLE DEPTH IN CORE (cm)	10. COLOR (by the 151 rack color chart)	11. LAB. DETERMINATION	12. CORE (locally, modify, mark, U.S. etc.)	13. SIZE ANALYSIS and STATISTICAL MEASURES	14. CHEMICAL ANALYSIS
00865	35-61	Station AS 6	Phleger	30'	24.9	58	7618	7615	10-25	Greenish Gray 5G Yell			
4. LATITUDE	24° 30'	5. LONGITUDE	089° 30'	6. DATE (day, month, year)	20 March 1961	7. LABORATORY NUMBER	7614	8. SUB SAMPLE DEPTH IN CORE (cm)	0-5	9. COLOR (by the 151 rack color chart)	10. LAB. DETERMINATION	11. CHEMICAL ANALYSIS	12. CORE (locally, modify, mark, U.S. etc.)
1. CRUISE NO.	35-61	2. SAMPLE NO.	35-61	3. STATION	AS 6	4. SAMPLER TYPE	Phleger	5. WATER DEPTH (meters)	24.9	6. CORE LENGTH (m)	58	7. CORE PENETRATION (cm)	8. LABORATORY NUMBER
9. SUB SAMPLE DEPTH IN CORE (cm)	0-5	10. COLOR (by the 151 rack color chart)	Greenish Gray 5G Yell	11. LAB. DETERMINATION	Greenish Gray 5G Yell	12. CORE (locally, modify, mark, U.S. etc.)		13. SIZE ANALYSIS and STATISTICAL MEASURES		14. CHEMICAL ANALYSIS			
a. % COARSEST THAN SAND (< 1 φ)	1	b. % SAND	57	c. % SILT	41	d. % CLAY	Clayey Silt	e. PH. MEDIUM DIAMETER (M φ)	8.63	f. PH. DEVIATION MEASURE (σ φ)	8.76	g. PH. SKEWNESS MEASURE (σ φ)	8.80
h. ORGANIC CARBON (%)	1.57	i. CHEMICAL ANALYSIS		j. LABORATORY NUMBER	7618	k. SUB SAMPLE DEPTH IN CORE (cm)	0-5	l. COLOR (by the 151 rack color chart)	Greenish Gray 5G Yell	m. LAB. DETERMINATION	Greenish Gray 5G Yell	n. CHEMICAL ANALYSIS	

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO. BS-64	4. SAMPLER TYPE	5. SAMPLER TYPE
00865	30	30	Phleger	Phleger
4. LATITUDE	23° 30'	23° 30'	1. WATER DEPTH (meters)	330.3
5. LONGITUDE	061° 30'	061° 30'	2. CORE LENGTH (cm)	78.5
6. DATE (day, month, year)	21 March 1966	21 March 1966	3. CORE PENETRATION (cm)	91.4
10. LABORATORY NUMBER	7647	7647	11. SUB SAMPLE DEPTH IN CORE (cm)	7200
11. SUB SAMPLE DEPTH IN CORE (cm)	1-5	10-15	12. COLOR (by the CS rack color chart)	Greenish Gray
12. COLOR (by the CS rack color chart)	Greenish Gray	Greenish Gray	13. DOOR (open, mid, or full, U.S. sec.)	55Vell
13. DOOR (open, mid, or full, U.S. sec.)	55Vell	55Vell	14. SIZE ANALYSIS AND STATISTICAL MEASURES	
14. SIZE ANALYSIS AND STATISTICAL MEASURES			a. % COARSER THAN SAND (< 1 φ)	Trace
a. % COARSER THAN SAND (< 1 φ)	Trace	Trace	b. % SAND	55
b. % SAND	55	55	c. % SILT	43
c. % SILT	43	43	d. % CLAY	39
d. % CLAY	39	39	e. SEDIMENT TYPE	Clayey Silt
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	f. PHI MEDIAN DIAMETER (μm φ)	8.68
f. PHI MEDIAN DIAMETER (μm φ)	8.68	8.68	g. PHI DEVIATION MEASURE (σ φ)	8.46
g. PHI DEVIATION MEASURE (σ φ)	8.46	8.46	h. PHI SKEWNESS MEASURE (σ φ)	
h. PHI SKEWNESS MEASURE (σ φ)			i. CHEMICAL ANALYSIS	
i. CHEMICAL ANALYSIS	19	19	a. CaCO ₃ (%)	19
a. CaCO ₃ (%)	19	19	b. Organic Carbon (%)	19
b. Organic Carbon (%)	19	19		

* With Dark Yellowish Brown (10YR4/6) streaks

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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO. BS-64	4. SAMPLER TYPE	5. SAMPLER TYPE
00865	30	30	Phleger	Phleger
4. LATITUDE	23° 30'	23° 30'	1. WATER DEPTH (meters)	330.3
5. LONGITUDE	061° 30'	061° 30'	2. CORE LENGTH (cm)	78.5
6. DATE (day, month, year)	21 March 1966	21 March 1966	3. CORE PENETRATION (cm)	91.4
10. LABORATORY NUMBER	7647	7647	11. SUB SAMPLE DEPTH IN CORE (cm)	7200
11. SUB SAMPLE DEPTH IN CORE (cm)	1-5	10-15	12. COLOR (by the CS rack color chart)	Greenish Gray
12. COLOR (by the CS rack color chart)	Greenish Gray	Greenish Gray	13. DOOR (open, mid, or full, U.S. sec.)	55Vell
13. DOOR (open, mid, or full, U.S. sec.)	55Vell	55Vell	14. SIZE ANALYSIS AND STATISTICAL MEASURES	
14. SIZE ANALYSIS AND STATISTICAL MEASURES			a. % COARSER THAN SAND (< 1 φ)	Trace
a. % COARSER THAN SAND (< 1 φ)	Trace	Trace	b. % SAND	55
b. % SAND	55	55	c. % SILT	43
c. % SILT	43	43	d. % CLAY	39
d. % CLAY	39	39	e. SEDIMENT TYPE	Clayey Silt
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	f. PHI MEDIAN DIAMETER (μm φ)	8.68
f. PHI MEDIAN DIAMETER (μm φ)	8.68	8.68	g. PHI DEVIATION MEASURE (σ φ)	8.46
g. PHI DEVIATION MEASURE (σ φ)	8.46	8.46	h. PHI SKEWNESS MEASURE (σ φ)	
h. PHI SKEWNESS MEASURE (σ φ)			i. CHEMICAL ANALYSIS	
i. CHEMICAL ANALYSIS	19	19	a. CaCO ₃ (%)	19
a. CaCO ₃ (%)	19	19	b. Organic Carbon (%)	19
b. Organic Carbon (%)	19	19		

* With Dark Yellowish Brown (10YR4/6) streaks

OCEANOGRAPHIC LOG SHEET-R
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SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO. BS-64	4. SAMPLER TYPE	5. SAMPLER TYPE
00865	30	30	Phleger	Phleger
4. LATITUDE	23° 30'	23° 30'	1. WATER DEPTH (meters)	330.3
5. LONGITUDE	061° 30'	061° 30'	2. CORE LENGTH (cm)	78.5
6. DATE (day, month, year)	21 March 1966	21 March 1966	3. CORE PENETRATION (cm)	91.4
10. LABORATORY NUMBER	7647	7647	11. SUB SAMPLE DEPTH IN CORE (cm)	7200
11. SUB SAMPLE DEPTH IN CORE (cm)	1-5	10-15	12. COLOR (by the CS rack color chart)	Greenish Gray
12. COLOR (by the CS rack color chart)	Greenish Gray	Greenish Gray	13. DOOR (open, mid, or full, U.S. sec.)	55Vell
13. DOOR (open, mid, or full, U.S. sec.)	55Vell	55Vell	14. SIZE ANALYSIS AND STATISTICAL MEASURES	
14. SIZE ANALYSIS AND STATISTICAL MEASURES			a. % COARSER THAN SAND (< 1 φ)	Trace
a. % COARSER THAN SAND (< 1 φ)	Trace	Trace	b. % SAND	55
b. % SAND	55	55	c. % SILT	43
c. % SILT	43	43	d. % CLAY	39
d. % CLAY	39	39	e. SEDIMENT TYPE	Clayey Silt
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	f. PHI MEDIAN DIAMETER (μm φ)	8.68
f. PHI MEDIAN DIAMETER (μm φ)	8.68	8.68	g. PHI DEVIATION MEASURE (σ φ)	8.46
g. PHI DEVIATION MEASURE (σ φ)	8.46	8.46	h. PHI SKEWNESS MEASURE (σ φ)	
h. PHI SKEWNESS MEASURE (σ φ)			i. CHEMICAL ANALYSIS	
i. CHEMICAL ANALYSIS	19	19	a. CaCO ₃ (%)	19
a. CaCO ₃ (%)	19	19	b. Organic Carbon (%)	19
b. Organic Carbon (%)	19	19		

OCEANOGRAPHIC LOG SHEET-R
PRINC-IND-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO. BS-64	4. SAMPLER TYPE	5. SAMPLER TYPE
00865	30	30	Phleger	Phleger
4. LATITUDE	23° 30'	23° 30'	1. WATER DEPTH (meters)	330.3
5. LONGITUDE	061° 30'	061° 30'	2. CORE LENGTH (cm)	78.5
6. DATE (day, month, year)	21 March 1966	21 March 1966	3. CORE PENETRATION (cm)	91.4
10. LABORATORY NUMBER	7647	7647	11. SUB SAMPLE DEPTH IN CORE (cm)	7200
11. SUB SAMPLE DEPTH IN CORE (cm)	1-5	10-15	12. COLOR (by the CS rack color chart)	Greenish Gray
12. COLOR (by the CS rack color chart)	Greenish Gray	Greenish Gray	13. DOOR (open, mid, or full, U.S. sec.)	55Vell
13. DOOR (open, mid, or full, U.S. sec.)	55Vell	55Vell	14. SIZE ANALYSIS AND STATISTICAL MEASURES	
14. SIZE ANALYSIS AND STATISTICAL MEASURES			a. % COARSER THAN SAND (< 1 φ)	Trace
a. % COARSER THAN SAND (< 1 φ)	Trace	Trace	b. % SAND	55
b. % SAND	55	55	c. % SILT	43
c. % SILT	43	43	d. % CLAY	39
d. % CLAY	39	39	e. SEDIMENT TYPE	Clayey Silt
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	f. PHI MEDIAN DIAMETER (μm φ)	8.68
f. PHI MEDIAN DIAMETER (μm φ)	8.68	8.68	g. PHI DEVIATION MEASURE (σ φ)	8.46
g. PHI DEVIATION MEASURE (σ φ)	8.46	8.46	h. PHI SKEWNESS MEASURE (σ φ)	
h. PHI SKEWNESS MEASURE (σ φ)			i. CHEMICAL ANALYSIS	
i. CHEMICAL ANALYSIS	19	19	a. CaCO ₃ (%)	19
a. CaCO ₃ (%)	19	19	b. Organic Carbon (%)	19
b. Organic Carbon (%)	19	19		

CEANOGRAPHIC LOG SHEET-R
PRINC-IND-3167/18 (Rev. 480)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-65 (continued)	3. SAMPLE TYPE	Phleger
4. LATITUDE	22° 30'	7. WATER DEPTH (meters)	3242		
5. LONGITUDE	061° 30'	8. CORE LENGTH (m)	64.6		
6. DATE (day, month, year)	21 March 1961	9. CORE PENETRATION (m)	91.4		
10. LABORATORY NUMBER	7651				
11. SUB SAMPLE DEPTH IN CORE (m)	50-55				
12. COLOR (by the GSA rock color chart)	Light Olive Gray				
[F] FIELD	[] LAB. DETERMINATION				
13. DOOR (earth, muddy, rock, H.S. etc)					
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<-1 φ)					
b. % SAND	72.02				
c. % SILT	48				
d. % CLAY	52				
e. SEDIMENT TYPE	Silty Clay				
f. PHI MEDIAN DIAMETER (φ)					
g. PHI DEVIATION MEASURE (σ)					
h. PHI SKEWNESS MEASURE (α)					
15. CHEMICAL ANALYSIS					
a. (CaCO ₃ %)	80				
b. Organic Carbon (%)					

CEANOGRAPHIC LOG SHEET-R
PRINC-IND-3167/18 (Rev. 480)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-66 Station AS 41	3. SAMPLE TYPE	Phleger
4. LATITUDE	21° 30'	7. WATER DEPTH (meters)	1738		
5. LONGITUDE	061° 30'	8. CORE LENGTH (m)	55.0		
6. DATE (day, month, year)	21 March 1961	9. CORE PENETRATION (m)	91.4		
10. LABORATORY NUMBER	7179				
11. SUB SAMPLE DEPTH IN CORE (m)	0-3				
12. COLOR (by the GSA rock color chart)	Yellowish Gray				
[F] FIELD	[] LAB. DETERMINATION				
13. DOOR (earth, muddy, rock, H.S. etc)					
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<-1 φ)					
b. % SAND	7				
c. % SILT	57				
d. % CLAY	60				
e. SEDIMENT TYPE	Clayey Silt				
f. PHI MEDIAN DIAMETER (φ)	36				
g. PHI DEVIATION MEASURE (σ)	47.3				
h. PHI SKEWNESS MEASURE (α)					
15. CHEMICAL ANALYSIS					
a. (CaCO ₃ %)	85				
b. Organic Carbon (%)	1.50				

CEANOGRAPHIC LOG SHEET-R
PRINC-IND-3167/18 (Rev. 480)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	BS-66 (continued)	2. SAMPLE NO.		3. SAMPLE TYPE	
4. LATITUDE		7. WATER DEPTH (meters)			
5. LONGITUDE		8. CORE LENGTH (m)			
6. DATE (day, month, year)		9. CORE PENETRATION (m)			
10. LABORATORY NUMBER	7182				
11. SUB SAMPLE DEPTH IN CORE (m)	30-34.3				
12. COLOR (by the GSA rock color chart)	Light Olive Gray				
[F] FIELD	[] LAB. DETERMINATION				
13. DOOR (earth, muddy, rock, H.S. etc)					
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<-1 φ)					
b. % SAND	19				
c. % SILT	55				
d. % CLAY	32				
e. SEDIMENT TYPE	Clayey Silt				
f. PHI MEDIAN DIAMETER (φ)	610				
g. PHI DEVIATION MEASURE (σ)					
h. PHI SKEWNESS MEASURE (α)					
15. CHEMICAL ANALYSIS					
a. (CaCO ₃ %)	59				
b. Organic Carbon (%)	61				

OCEANOGRAPHIC LOG SHEET-R
PRINCING-3167 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLER TYPE
0845	BS-67 Station AS40	Phleger
4. LATITUDE	21° 26' N	7. WATER DEPTH (meters)
5. LONGITUDE	162° 27' E	3475
6. DATE (day, month, year)	22 March 1961	8. CORE LENGTH (cm)
		81
		9. CORE PENETRATION (cm)
		91.4
10. LABORATORY NUMBER	7445	7447
	0-5	14-17 1/2
	Light	17 1/2-20 1/2
11. SUB SAMPLE DEPTH IN CORE (cm)	Olive Gray	Light
12. COLOR (by the C.T. rock color chart)	Olive Gray	Olive Gray
	5Y5/2	5Y6/1

F	FIELD	LAB. DETERMINATION
13. DOOR (earth, muddy, sand, H.S., etc.)		
14. SIZE ANALYSIS and STATISTICAL MEASURES		
a. % COARSER THAN SAND (< 1 φ)	3	3
b. % SAND	58	57
c. % SILT	34	44
d. % CLAY		
e. SEDIMENT TYPE	Olivey Silt	Olivey Silt
f. PHI MEDIAN DIAMETER (1/2 φ)	8.25	8.01
g. PHI DEVIATION MEASURE (σ φ)		
h. PHI SKENNESS MEASURE (α φ)		
15. CHEMICAL ANALYSIS		
a. CaCO ₃ (%)	42	53
b. Organic Carbon (%)	0.20	47

* With Dark Yellowish Brown (10YR/2) streaks

OCEANOGRAPHIC LOG SHEET-R
PRINCING-3167 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLER TYPE
	BS-67	continued
4. LATITUDE		7. WATER DEPTH (meters)
5. LONGITUDE		
6. DATE (day, month, year)		8. CORE LENGTH (cm)
		7450
		9. CORE PENETRATION (cm)
		5161
10. LABORATORY NUMBER	7449	7451
	216-26	41-46.2
	Light	Light
11. SUB SAMPLE DEPTH IN CORE (cm)	Olive Gray	Olive Gray
12. COLOR (by the C.T. rock color chart)	Olive Gray	Olive Gray
	5Y6/1	5Y6/1

F	FIELD	LAB. DETERMINATION
13. DOOR (earth, muddy, sand, H.S., etc.)		
14. SIZE ANALYSIS and STATISTICAL MEASURES		
a. % COARSER THAN SAND (< 1 φ)	4	4
b. % SAND	53	57
c. % SILT	45	37
d. % CLAY		
e. SEDIMENT TYPE	Olivey Silt	Olivey Silt
f. PHI MEDIAN DIAMETER (1/2 φ)	8.46	8.21
g. PHI DEVIATION MEASURE (σ φ)		
h. PHI SKENNESS MEASURE (α φ)		
15. CHEMICAL ANALYSIS		
a. CaCO ₃ (%)	54	53
b. Organic Carbon (%)		

OCEANOGRAPHIC LOG SHEET-R
PRINCING-3167 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLER TYPE
	BS-67	continued
4. LATITUDE		7. WATER DEPTH (meters)
5. LONGITUDE		
6. DATE (day, month, year)		8. CORE LENGTH (cm)
		7456
		9. CORE PENETRATION (cm)
		5162
10. LABORATORY NUMBER	7453	7455
	40-44	20.5-25.4
	Light	Light
11. SUB SAMPLE DEPTH IN CORE (cm)	Olive Gray	Olive Gray
12. COLOR (by the C.T. rock color chart)	Olive Gray	Olive Brown
	5Y5/2	5Y4/4

F	FIELD	LAB. DETERMINATION
13. DOOR (earth, muddy, sand, H.S., etc.)		
14. SIZE ANALYSIS and STATISTICAL MEASURES		
a. % COARSER THAN SAND (< 1 φ)	2	2
b. % SAND	67	66
c. % SILT	31	33
d. % CLAY		
e. SEDIMENT TYPE	Olivey Silt	Olivey Silt
f. PHI MEDIAN DIAMETER (1/2 φ)	7.50	7.70
g. PHI DEVIATION MEASURE (σ φ)		
h. PHI SKENNESS MEASURE (α φ)		
15. CHEMICAL ANALYSIS		
a. CaCO ₃ (%)	44	45
b. Organic Carbon (%)		

OCEANOGRAPHIC LOG SHEET-R
PRINC-IND0367/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-7256-Sub AS 19	3. SAMPLER TYPE	Phleger
4. LATITUDE	23° 35' N	7. WATER DEPTH (meters)	2304.5		
5. LONGITUDE	63° 30.1' W	8. CORE LENGTH (cm)	86.5		
6. DATE (m, month, year)	23 March 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7111	11. SUB SAMPLE DEPTH IN CORE (cm)	711.3		
12. COLOR (by the C&I rock color chart)	Greenish Gray 6-5	13. LAB. DETERMINATION	Greenish Gray 60-44.5		
[F] FIELD	[] LAB.				
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<1 φ)	1	b. % SAND	3	5	4
c. % SILT	64	d. % CLAY	55	51	57
e. % SILT	45	f. % CLAY	43	45	38
g. % SILT	Clayey silt	h. % CLAY	Clayey silt	Clayey silt	Clayey silt
i. % SILT	8.30	j. % CLAY	8.50	7.50	7.50
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	25	b. Organic Carbon (%)	31	40	38

OCEANOGRAPHIC LOG SHEET-R
PRINC-IND0367/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-7256-Sub AS 27	3. SAMPLER TYPE	Phleger
4. LATITUDE	23° 30.1' N	7. WATER DEPTH (meters)	1732.9		
5. LONGITUDE	63° 30.1' W	8. CORE LENGTH (cm)	66.8		
6. DATE (m, month, year)	23 March 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7217	11. SUB SAMPLE DEPTH IN CORE (cm)	721.7		
12. COLOR (by the C&I rock color chart)	Dark Yellowish Brown 10YR4/2	13. LAB. DETERMINATION	Light Olive Gray 10-14		
[F] FIELD	[] LAB.				
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<1 φ)	Trace	b. % SAND	2	2	3
c. % SILT	84	d. % CLAY	84	84	84
e. % SILT	41	f. % CLAY	41	41	41
g. % SILT	Clayey silt	h. % CLAY	Clayey silt	Clayey silt	Clayey silt
i. % SILT	8.46	j. % CLAY	8.56	8.56	8.48
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	37	b. Organic Carbon (%)	41	42	45

OCEANOGRAPHIC LOG SHEET-R
PRINC-IND0367/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLER TYPE
4. LATITUDE	5. LONGITUDE	6. DATE
7. WATER DEPTH (meters)	8. CORE LENGTH (cm)	9. CORE PENETRATION (cm)
10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (by the C&I rock color chart)
13. LAB. DETERMINATION		
[F] FIELD	[] LAB.	
14. SIZE ANALYSIS AND STATISTICAL MEASURES		
a. % COARSER THAN SAND (<1 φ)	b. % SAND	c. % SILT
d. % CLAY	e. % SILT	f. % CLAY
g. % SILT	h. % CLAY	i. % SILT
j. % CLAY	k. % SILT	l. % CLAY
m. % SILT	n. % CLAY	o. % SILT
p. % CLAY	q. % SILT	r. % CLAY
15. CHEMICAL ANALYSIS		
a. CaCO ₃ (%)	b. Organic Carbon (%)	

OCEANOGRAPHIC LOG SHEET-R
PRINCIPALS 3107.18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00665	2. SAMPLE NO.	BS-74 (456-50)	3. SAMPLER TYPE	Pileger
4. LATITUDE	2 0 8.5	7. WATER DEPTH (meters)	8237		
5. LONGITUDE	63 31.5	8. CORE LENGTH (cm)	79		
6. DATE (day, month, year)	23 March 1961	9. CORE PENETRATION (cm)	79		
10. LABORATORY NUMBER	7432	11. SUB SAMPLE DEPTH IN CORE (cm)	7432		
12. COLOR (by the CS1 rock color chart)	Dark Brown 10YR 4/2	13. COLOR (by the CS1 rock color chart)	Yellowish Gray 5Y 7/2		
F. FIELD		L. LAB DETERMINATION			
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (<= 1 phi)					
b. % SAND					
c. % CLAY					
d. % SILT					
e. % SILT					
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QCEANOGRAPHIC LOG SHEET-R
PRINC-MNO-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00 8 65	2. SAMPLE NO.	BS-765 Station AS-38	3. SAMPLER TYPE	Pilegger
4. LATITUDE	21° 31' N	7. WATER DEPTH (meters)	8202		
5. LONGITUDE	64° 29.8' E	8. CORE LENGTH (m)	683		
6. DATE (for, month, year)	24 March 1961	9. CORE PENETRATION (m)	914		
10. LABORATORY NUMBER	7656	7657	7658	7659	
11. SUB SAMPLE DEPTH IN CORE (m)	0-26	23-85	85-145	145-20	
12. COLOR (by the C.S.T. red color chart)	Yellowish Brown	Yellowish Gray	Yellowish Gray	Light Olive Gray	
[F] FIELD	☐ LAB. DETERMINATION	517 1/2	517 1/2	514 1/2	514 1/2
13. DOOR (earth, mud, rock, 1/5, etc.)					
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSER THAN SAND (< 1 φ)					
b. % SAND	1	2	3	4	
c. % SILT	48	47	46	45	
d. % CLAY	51	52	52	51	
e. SEDIMENT TYPE	Silty Clay	Silty Clay	Silty Clay	Silty Clay	
f. PHI MEDIAN DIAMETER (1/2 φ)	4.11	4.10	4.17	4.65	
g. PHI DEVIATION MEASURE (σ φ)					
h. PHI SKEWNESS MEASURE (σ φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	42	47	51	53	
b. Organic Carbon (%)	0.66				

QCEANOGRAPHIC LOG SHEET-R
PRINC-MNO-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO.	BS-765 (continued)	3. SAMPLER TYPE
4. LATITUDE		7. WATER DEPTH (meters)		
5. LONGITUDE		8. CORE LENGTH (m)		
6. DATE (for, month, year)		9. CORE PENETRATION (m)		
10. LABORATORY NUMBER		7660	7661	7662
11. SUB SAMPLE DEPTH IN CORE (m)		20-231	23.1-28	28-33
12. COLOR (by the C.S.T. red color chart)		Dark Yellowish Brown	Light Olive Gray	Light Olive Gray
[F] FIELD	☐ LAB. DETERMINATION	514 1/2	514 1/2	514 1/2
13. DOOR (earth, mud, rock, 1/5, etc.)				
14. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. % COARSER THAN SAND (< 1 φ)				
b. % SAND	3	6	4	5
c. % SILT	42	44	52	49
d. % CLAY	56	49	44	45
e. SEDIMENT TYPE	Silty Clay	Silty Clay	Clayey Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (1/2 φ)			8.50	8.65
g. PHI DEVIATION MEASURE (σ φ)				
h. PHI SKEWNESS MEASURE (σ φ)				
15. CHEMICAL ANALYSIS				
a. CaCO ₃ (%)	49	51	51	52
b. Organic Carbon (%)				

QCEANOGRAPHIC LOG SHEET-R
PRINC-MNO-3167/18 (REV. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO.	BS-765 (continued)	3. SAMPLER TYPE
4. LATITUDE		7. WATER DEPTH (meters)		
5. LONGITUDE		8. CORE LENGTH (m)		
6. DATE (for, month, year)		9. CORE PENETRATION (m)		
10. LABORATORY NUMBER		7664	7665	7667
11. SUB SAMPLE DEPTH IN CORE (m)		37.3-474	474-54	60-65
12. COLOR (by the C.S.T. red color chart)		Olive Gray	Olive Gray *	Light Olive Gray
[F] FIELD	☐ LAB. DETERMINATION	516 1/2	515 1/2	515 1/2
13. DOOR (earth, mud, rock, 1/5, etc.)				
14. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. % COARSER THAN SAND (< 1 φ)				
b. % SAND	6	3	3	6
c. % SILT	51	57	57	51
d. % CLAY	43	40	40	43
e. SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
f. PHI MEDIAN DIAMETER (1/2 φ)	8.30	8.13	8.14	8.45
g. PHI DEVIATION MEASURE (σ φ)				
h. PHI SKEWNESS MEASURE (σ φ)				
15. CHEMICAL ANALYSIS				
a. CaCO ₃ (%)	50	45	45	45
b. Organic Carbon				

28 NC. NO. 2167 18 (REV. 4-60)

4.694

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUDE NO.	00 86.5	2. SAMPLE NO.	95-74 Station AS 37	3. SAMPLER TYPE	Thayer
4. LATITUDE 25°	27.9	5. LONGITUDE 65°	39.1	6. DATE	24 March 64
7. TIME	10:00 AM	8. MONTH	3	9. YEAR	1964
10. LABORATORY NUMBER	1000	11. SUP. SAMPLE DEPTH IN CORE (cm)	0-8	12. COLOR (by the IST rock color chart)	Yellowish Brown
13. DOOR (weight, scale, mark) (U.S. oz.)	16.5	14. SIZE ANALYST	1000	15. CORE PENETRATION (mm)	76.2
16. LABORATORY NUMBER	1000	17. SUP. SAMPLE DEPTH IN CORE (cm)	0-8	18. F. FIELD	Yellowish Brown
19. Y. COLOR	Yellowish Brown	20. COARSE (by the IST rock color chart)	10YR 6/2	21. F. FIELD	Yellowish Brown
22. Y. COLOR	Yellowish Brown	23. COARSE (by the IST rock color chart)	10YR 6/2	24. F. FIELD	Yellowish Brown
25. Y. COLOR	Yellowish Brown	26. COARSE (by the IST rock color chart)	10YR 6/2	27. F. FIELD	Yellowish Brown
28. Y. COLOR	Yellowish Brown	29. COARSE (by the IST rock color chart)	10YR 6/2	30. F. FIELD	Yellowish Brown
31. Y. COLOR	Yellowish Brown	32. COARSE (by the IST rock color chart)	10YR 6/2	33. F. FIELD	Yellowish Brown
34. Y. COLOR	Yellowish Brown	35. COARSE (by the IST rock color chart)	10YR 6/2	36. F. FIELD	Yellowish Brown
37. Y. COLOR	Yellowish Brown	38. COARSE (by the IST rock color chart)	10YR 6/2	39. F. FIELD	Yellowish Brown
40. Y. COLOR	Yellowish Brown	41. COARSE (by the IST rock color chart)	10YR 6/2	42. F. FIELD	Yellowish Brown
43. Y. COLOR	Yellowish Brown	44. COARSE (by the IST rock color chart)	10YR 6/2	45. F. FIELD	Yellowish Brown
46. Y. COLOR	Yellowish Brown	47. COARSE (by the IST rock color chart)	10YR 6/2	48. F. FIELD	Yellowish Brown
49. Y. COLOR	Yellowish Brown	50. COARSE (by the IST rock color chart)	10YR 6/2	51. F. FIELD	Yellowish Brown
52. Y. COLOR	Yellowish Brown	53. COARSE (by the IST rock color chart)	10YR 6/2	54. F. FIELD	Yellowish Brown
55. Y. COLOR	Yellowish Brown	56. COARSE (by the IST rock color chart)	10YR 6/2	57. F. FIELD	Yellowish Brown
58. Y. COLOR	Yellowish Brown	59. COARSE (by the IST rock color chart)	10YR 6/2	60. F. FIELD	Yellowish Brown
61. Y. COLOR	Yellowish Brown	62. COARSE (by the IST rock color chart)	10YR 6/2	63. F. FIELD	Yellowish Brown
64. Y. COLOR	Yellowish Brown	65. COARSE (by the IST rock color chart)	10YR 6/2	66. F. FIELD	Yellowish Brown
67. Y. COLOR	Yellowish Brown	68. COARSE (by the IST rock color chart)	10YR 6/2	69. F. FIELD	Yellowish Brown
70. Y. COLOR	Yellowish Brown	71. COARSE (by the IST rock color chart)	10YR 6/2	72. F. FIELD	Yellowish Brown
73. Y. COLOR	Yellowish Brown	74. COARSE (by the IST rock color chart)	10YR 6/2	75. F. FIELD	Yellowish Brown
76. Y. COLOR	Yellowish Brown	77. COARSE (by the IST rock color chart)	10YR 6/2	78. F. FIELD	Yellowish Brown
79. Y. COLOR	Yellowish Brown	80. COARSE (by the IST rock color chart)	10YR 6/2	81. F. FIELD	Yellowish Brown
82. Y. COLOR	Yellowish Brown	83. COARSE (by the IST rock color chart)	10YR 6/2	84. F. FIELD	Yellowish Brown
85. Y. COLOR	Yellowish Brown	86. COARSE (by the IST rock color chart)	10YR 6/2	87. F. FIELD	Yellowish Brown
88. Y. COLOR	Yellowish Brown	89. COARSE (by the IST rock color chart)	10YR 6/2	90. F. FIELD	Yellowish Brown
91. Y. COLOR	Yellowish Brown	92. COARSE (by the IST rock color chart)	10YR 6/2	93. F. FIELD	Yellowish Brown
94. Y. COLOR	Yellowish Brown	95. COARSE (by the IST rock color chart)	10YR 6/2	96. F. FIELD	Yellowish Brown
97. Y. COLOR	Yellowish Brown	98. COARSE (by the IST rock color chart)	10YR 6/2	99. F. FIELD	Yellowish Brown
100. Y. COLOR	Yellowish Brown	101. COARSE (by the IST rock color chart)	10YR 6/2	102. F. FIELD	Yellowish Brown
103. Y. COLOR	Yellowish Brown	104. COARSE (by the IST rock color chart)	10YR 6/2	105. F. FIELD	Yellowish Brown
106. Y. COLOR	Yellowish Brown	107. COARSE (by the IST rock color chart)	10YR 6/2	108. F. FIELD	Yellowish Brown
109. Y. COLOR	Yellowish Brown	110. COARSE (by the IST rock color chart)	10YR 6/2	111. F. FIELD	Yellowish Brown
112. Y. COLOR	Yellowish Brown	113. COARSE (by the IST rock color chart)	10YR 6/2	114. F. FIELD	Yellowish Brown
115. Y. COLOR	Yellowish Brown	116. COARSE (by the IST rock color chart)	10YR 6/2	117. F. FIELD	Yellowish Brown
118. Y. COLOR	Yellowish Brown	119. COARSE (by the IST rock color chart)	10YR 6/2	120. F. FIELD	Yellowish Brown
121. Y. COLOR	Yellowish Brown	122. COARSE (by the IST rock color chart)	10YR 6/2	123. F. FIELD	Yellowish Brown
124. Y. COLOR	Yellowish Brown	125. COARSE (by the IST rock color chart)	10YR 6/2	126. F. FIELD	Yellowish Brown
127. Y. COLOR	Yellowish Brown	128. COARSE (by the IST rock color chart)	10YR 6/2	129. F. FIELD	Yellowish Brown
130. Y. COLOR	Yellowish Brown	131. COARSE (by the IST rock color chart)	10YR 6/2	132. F. FIELD	Yellowish Brown
133. Y. COLOR	Yellowish Brown	134. COARSE (by the IST rock color chart)	10YR 6/2	135. F. FIELD	Yellowish Brown
136. Y. COLOR	Yellowish Brown	137. COARSE (by the IST rock color chart)	10YR 6/2	138. F. FIELD	Yellowish Brown
139. Y. COLOR	Yellowish Brown	140. COARSE (by the IST rock color chart)	10YR 6/2	141. F. FIELD	Yellowish Brown
142. Y. COLOR	Yellowish Brown	143. COARSE (by the IST rock color chart)	10YR 6/2	144. F. FIELD	Yellowish Brown
145. Y. COLOR	Yellowish Brown	146. COARSE (by the IST rock color chart)	10YR 6/2	147. F. FIELD	Yellowish Brown
148. Y. COLOR	Yellowish Brown	149. COARSE (by the IST rock color chart)	10YR 6/2	150. F. FIELD	Yellowish Brown
151. Y. COLOR	Yellowish Brown	152. COARSE (by the IST rock color chart)	10YR 6/2	153. F. FIELD	Yellowish Brown
154. Y. COLOR	Yellowish Brown	155. COARSE (by the IST rock color chart)	10YR 6/2	156. F. FIELD	Yellowish Brown
157. Y. COLOR	Yellowish Brown	158. COARSE (by the IST rock color chart)	10YR 6/2	159. F. FIELD	Yellowish Brown
160. Y. COLOR	Yellowish Brown	161. COARSE (by the IST rock color chart)	10YR 6/2	162. F. FIELD	Yellowish Brown
163. Y. COLOR	Yellowish Brown	164. COARSE (by the IST rock color chart)	10YR 6/2	165. F. FIELD	Yellowish Brown
166. Y. COLOR	Yellowish Brown	167. COARSE (by the IST rock color chart)	10YR 6/2	168. F. FIELD	Yellowish Brown
169. Y. COLOR	Yellowish Brown	170. COARSE (by the IST rock color chart)	10YR 6/2	171. F. FIELD	Yellowish Brown
172. Y. COLOR	Yellowish Brown	173. COARSE (by the IST rock color chart)	10YR 6/2	174. F. FIELD	Yellowish Brown
175. Y. COLOR	Yellowish Brown	176. COARSE (by the IST rock color chart)	10YR 6/2	177. F. FIELD	Yellowish Brown
178. Y. COLOR	Yellowish Brown	179. COARSE (by the IST rock color chart)	10YR 6/2	180. F. FIELD	Yellowish Brown
181. Y. COLOR	Yellowish Brown	182. COARSE (by the IST rock color chart)	10YR 6/2	183. F. FIELD	Yellowish Brown
184. Y. COLOR	Yellowish Brown	185. COARSE (by the IST rock color chart)	10YR 6/2	186. F. FIELD	Yellowish Brown
187. Y. COLOR	Yellowish Brown	188. COARSE (by the IST rock color chart)	10YR 6/2	189. F. FIELD	Yellowish Brown
190. Y. COLOR	Yellowish Brown	191. COARSE (by the IST rock color chart)	10YR 6/2	192. F. FIELD	Yellowish Brown
193. Y. COLOR	Yellowish Brown	194. COARSE (by the IST rock color chart)	10YR 6/2	195. F. FIELD	Yellowish Brown
196. Y. COLOR	Yellowish Brown	197. COARSE (by the IST rock color chart)	10YR 6/2	198. F. FIELD	Yellowish Brown
199. Y. COLOR	Yellowish Brown	200. COARSE (by the IST rock color chart)	10YR 6/2	201. F. FIELD	Yellowish Brown
202. Y. COLOR	Yellowish Brown	203. COARSE (by the IST rock color chart)	10YR 6/2	204. F. FIELD	Yellowish Brown
205. Y. COLOR	Yellowish Brown	206. COARSE (by the IST rock color chart)	10YR 6/2	207. F. FIELD	Yellowish Brown
208. Y. COLOR	Yellowish Brown	209. COARSE (by the IST rock color chart)	10YR 6/2	210. F. FIELD	Yellowish Brown
211. Y. COLOR	Yellowish Brown	212. COARSE (by the IST rock color chart)	10YR 6/2	213. F. FIELD	Yellowish Brown
214. Y. COLOR	Yellowish Brown	215. COARSE (by the IST rock color chart)	10YR 6/2	216. F. FIELD	Yellowish Brown
217. Y. COLOR	Yellowish Brown	218. COARSE (by the IST rock color chart)	10YR 6/2	219. F. FIELD	Yellowish Brown
220. Y. COLOR	Yellowish Brown	221. COARSE (by the IST rock color chart)	10YR 6/2	222. F. FIELD	Yellowish Brown
223. Y. COLOR	Yellowish Brown	224. COARSE (by the IST rock color chart)	10YR 6/2	225. F. FIELD	Yellowish Brown
226. Y. COLOR	Yellowish Brown	227. COARSE (by the IST rock color chart)	10YR 6/2	228. F. FIELD	Yellowish Brown
229. Y. COLOR	Yellowish Brown	230. COARSE (by the IST rock color chart)	10YR 6/2	231. F. FIELD	Yellowish Brown
232. Y. COLOR	Yellowish Brown	233. COARSE (by the IST rock color chart)	10YR 6/2	234. F. FIELD	Yellowish Brown
235. Y. COLOR	Yellowish Brown	236. COARSE (by the IST rock color chart)	10YR 6/2	237. F. FIELD	Yellowish Brown
238. Y. COLOR	Yellowish Brown	239. COARSE (by the IST rock color chart)	10YR 6/2	240. F. FIELD	Yellowish Brown
241. Y. COLOR	Yellowish Brown	242. COARSE (by the IST rock color chart)	10YR 6/2	243. F. FIELD	Yellowish Brown
244. Y. COLOR	Yellowish Brown	245. COARSE (by the IST rock color chart)	10YR 6/2	246. F. FIELD	Yellowish Brown
247. Y. COLOR	Yellowish Brown	248. COARSE (by the IST rock color chart)	10YR 6/2	249. F. FIELD	Yellowish Brown
250. Y. COLOR	Yellowish Brown	251. COARSE (by the IST rock color chart)	10YR 6/2	252. F. FIELD	Yellowish Brown
253. Y. COLOR	Yellowish Brown	254. COARSE (by the IST rock color chart)	10YR 6/2	255. F. FIELD	Yellowish Brown
256. Y. COLOR	Yellowish Brown	257. COARSE (by the IST rock color chart)	10YR 6/2	258. F. FIELD	Yellowish Brown
259. Y. COLOR	Yellowish Brown	260. COARSE (by the IST rock color chart)	10YR 6/2	261. F. FIELD	Yellowish Brown
262. Y. COLOR	Yellowish Brown	263. COARSE (by the IST rock color chart)	10YR 6/2	264. F. FIELD	Yellowish Brown
265. Y. COLOR	Yellowish Brown	266. COARSE (by the IST rock color chart)	10YR 6/2	267. F. FIELD	Yellowish Brown
268. Y. COLOR	Yellowish Brown	269. COARSE (by the IST rock color chart)	10YR 6/2	270. F. FIELD	Yellowish Brown
271. Y. COLOR	Yellowish Brown	272. COARSE (by the IST rock color chart)	10YR 6/2	273. F. FIELD	Yellowish Brown
274. Y. COLOR	Yellowish Brown	275. COARSE (by the IST rock color chart)	10YR 6/2	276. F. FIELD	Yellowish Brown
277. Y. COLOR	Yellowish Brown	278. COARSE (by the IST rock color chart)	10YR 6/2	279. F. FIELD	Yellowish Brown
280. Y. COLOR	Yellowish Brown	281. COARSE (by the IST rock color chart)	10YR 6/2	282. F. FIELD	Yellowish Brown
283. Y. COLOR	Yellowish Brown	284. COARSE (by the IST rock color chart)	10YR 6/2	285. F. FIELD	Yellowish Brown
286. Y. COLOR	Yellowish Brown	287. COARSE (by the IST rock color chart)	10YR 6/2	288. F. FIELD	Yellowish Brown
289. Y. COLOR	Yellowish Brown	290. COARSE (by the IST rock color chart)	10YR 6/2	291. F. FIELD	Yellowish Brown
292. Y. COLOR	Yellowish Brown	293. COARSE (by the IST rock color chart)	10YR 6/2	294. F. FIELD	Yellowish Brown
295. Y. COLOR	Yellowish Brown	296. COARSE (by the IST rock color chart)	10YR 6/2	297. F. FIELD	Yellowish Brown
298. Y. COLOR	Yellowish Brown	299. COARSE (by the IST rock color chart)	10YR 6/2	300. F. FIELD	Yellowish Brown
301. Y. COLOR	Yellowish Brown	302. COARSE (by the IST rock color chart)	10YR 6/2	303. F. FIELD	Yellowish Brown
304. Y. COLOR	Yellowish Brown	305. COARSE (by the IST rock color chart)	10YR 6/2	306. F. FIELD	Yellowish Brown
307. Y. COLOR	Yellowish Brown	308. COARSE (by the IST rock color chart)	10YR 6/2	309. F. FIELD	Yellowish Brown
310. Y. COLOR	Yellowish Brown	311. COARSE (by the IST rock color chart)	10YR 6/2	312. F. FIELD	Yellowish Brown
313. Y. COLOR	Yellowish Brown	314. COARSE (by the IST rock color chart)	10YR 6/2	315. F. FIELD	Yellowish Brown
316. Y. COLOR	Yellowish Brown	317. COARSE (by the IST rock color chart)	10YR 6/2	318. F. FIELD	Yellowish Brown
319. Y. COLOR	Yellowish Brown	320. COARSE (by the IST rock color chart)	10YR 6/2	321. F. FIELD	Yellowish Brown
322. Y. COLOR	Yellowish Brown	323. COARSE (by the IST rock color chart)	10YR 6/2	324. F. FIELD	Yellowish Brown
325. Y. COLOR	Yellowish Brown	326. COARSE (by the IST rock color chart)	10YR 6/2	327. F. FIELD	Yellowish Brown
328. Y. COLOR	Yellowish Brown	329. COARSE (by the IST rock color chart)	10YR 6/2	330. F. FIELD	Yellowish Brown
331. Y. COLOR	Yellowish Brown	332. COARSE (by the IST rock color chart)	10YR 6/2	333. F. FIELD	Yellowish Brown
334. Y. COLOR	Yellowish Brown	335. COARSE (by the IST rock color chart)	10YR 6/2	336. F. FIELD	Yellowish Brown
337. Y. COLOR	Yellowish Brown	338. COARSE (by the IST rock color chart)	10YR 6/2	339. F. FIELD	Yellowish Brown
340. Y. COLOR	Yellowish Brown	341. COARSE (by the IST rock color chart)	10YR 6/2	342. F. FIELD	Yellowish Brown
343. Y. COLOR	Yellowish Brown	344. COARSE (by the IST rock color chart)	10YR 6/2	345. F. FIELD	Yellowish Brown
346. Y. COLOR	Yellowish Brown	347. COARSE (by the IST rock color chart)	10YR 6/2	348. F. FIELD	Yellowish Brown
349. Y. COLOR	Yellowish Brown	350. COARSE (by the IST rock color chart)	10YR 6/2	351. F. FIELD	Yellowish Brown
352. Y. COLOR	Yellowish Brown	353. COARSE (by the IST rock color chart)	10YR 6/2	354. F. FIELD	Yellowish Brown
355. Y. COLOR	Yellowish Brown	356. COARSE (by the IST rock color chart)	10YR 6/2	357. F. FIELD	Yellowish Brown
358. Y. COLOR	Yellowish Brown	359. COARSE (by the IST rock color chart)	10YR 6/2	360. F. FIELD	Yellowish Brown
361. Y. COLOR	Yellowish Brown	362. COARSE (by the IST rock color chart)	10YR 6/2	363. F. FIELD	Yellowish Brown
364. Y. COLOR	Yellowish Brown	365. COARSE (by the IST rock color chart)	10YR 6/2	366. F. FIELD	Yellowish Brown
367. Y. COLOR	Yellowish Brown	368. COARSE (by the IST rock color chart)	10YR 6/2	369. F. FIELD	Yellowish Brown
370. Y. COLOR	Yellowish Brown	371. COARSE (by the IST rock color chart)	10YR 6/2	372. F. FIELD	Yellowish Brown
373. Y. COLOR	Yellowish Brown	374. COARSE (by the IST rock color chart)	10YR 6/2	375. F. FIELD	Yellowish Brown
376. Y. COLOR	Yellowish Brown	377. COARSE (by the IST rock color chart)	10YR 6/2	378. F. FIELD	Yellowish Brown
379. Y. COLOR	Yellowish Brown	380. COARSE (by the IST rock color chart)	10YR 6/2	381. F. FIELD	Yellowish Brown
382. Y. COLOR	Yellowish Brown	383. COARSE (by the IST rock color chart)	10YR 6/2	384. F. FIELD	Yellowish Brown
385. Y. COLOR	Yellowish Brown	386. COARSE (by the IST rock color chart)	10YR 6/2	387. F. FIELD	Yellowish Brown
388. Y. COLOR	Yellowish Brown	389. COARSE (by the IST rock color chart)	10YR 6/2	390. F. FIELD	Yellowish Brown
391. Y. COLOR	Yellowish Brown	392. COARSE (by the IST rock color chart)	10YR 6/2	393. F. FIELD	Yellowish Brown
394. Y. COLOR	Yellowish Brown	395. COARSE (by the IST rock color chart)	10YR 6/2	396. F. FIELD	Yellowish Brown
397. Y. COLOR	Yellowish Brown	398. COARSE (by the IST rock color chart)	10YR 6/2	399. F. FIELD	Yellowish Brown
400. Y. COLOR	Yellowish Brown	401. COARSE (by the IST rock color chart)	10YR 6/2	402. F. FIELD	Yellowish Brown
403. Y. COLOR	Yellowish Brown	404. COARSE (by the IST rock color chart)	10YR 6/2	405. F. FIELD	Yellowish Brown
406. Y. COLOR	Yellowish Brown	407. COARSE (by the IST rock color chart)	10YR 6/2	408. F. FIELD	Yellowish Brown
409. Y. COLOR	Yellowish Brown	410. COARSE (by the IST rock color chart)	10YR 6/2	411. F. FIELD	Yellowish Brown
412. Y. COLOR	Yellowish Brown	413. COARSE (by the IST rock color chart)	10YR 6/2	414. F. FIELD	Yellowish Brown
415. Y. COLOR	Yellowish Brown	416. COARSE (by the IST rock color chart)	10YR 6/2	417. F. FIELD	Yellowish Brown
418. Y. COLOR	Yellowish Brown	419. COARSE (by the IST rock color chart)	10YR 6/2	420. F. FIELD	Yellowish Brown
421. Y. COLOR	Yellowish Brown	422. COARSE (by the IST rock color chart)	10YR 6/2	423. F. FIELD	Yellowish Brown
424. Y. COLOR	Yellowish Brown	425. COARSE (by the IST rock color chart)	10YR 6/2	426. F. FIELD	Yellowish Brown
427. Y. COLOR	Yellowish Brown	428. COARSE (by the IST rock color chart)	10YR 6/2	429. F. FIELD	Yellowish Brown
430. Y. COLOR	Yellowish Brown	431. COARSE (by the IST rock color chart)	10YR 6/2	432. F. FIELD	Yellowish Brown
433. Y. COLOR	Yellowish Brown	434. COARSE (by the IST rock color chart)	10YR 6/2	435. F. FIELD	Yellowish Brown
436. Y. COLOR	Yellowish Brown	437. COARSE (by the IST rock color chart)	10YR 6/2	438. F. FIELD	Yellowish Brown
439. Y. COLOR	Yellowish Brown	440. COARSE (by the IST rock color chart)	10YR 6/2	441. F. FIELD	Yellowish Brown
442. Y. COLOR	Yellowish Brown	443. COARSE (by the IST rock color chart)	10YR 6/2	444. F. FIELD	Yellowish Brown
445. Y. COLOR	Yellowish Brown	446. COARSE (by the IST rock color chart)	10YR 6/2	447. F. FIELD	Yellowish Brown
448. Y. COLOR	Yellowish Brown	449. COARSE (by the IST rock color chart)	10YR 6/2	450. F. FIELD	Yellowish Brown
451. Y. COLOR	Yellowish Brown	452. COARSE (by the IST rock color chart)	10YR 6/2	453. F. FIELD	Yellowish Brown
454. Y. COLOR	Yellowish Brown	455. COARSE (by the IST rock color chart)	10YR 6/2	456. F. FIELD	Yellowish Brown
457. Y. COLOR	Yellowish Brown	458. COARSE (by the IST rock color chart)	10YR 6/2	459. F. FIELD	Yellowish Brown
460. Y. COLOR	Yellowish Brown	461. COARSE (by the IST rock color chart)	10YR 6/2	462. F. FIELD	Yellowish Brown
463. Y. COLOR	Yellowish Brown	464. COARSE (by the IST rock color chart)	10YR 6/2	465. F. FIELD	Yellowish Brown
466. Y. COLOR	Yellowish Brown	467. COARSE (by the IST rock color chart)	10YR 6/2	468. F. FIELD	Yellowish Brown
469. Y. COLOR	Yellowish Brown	470. COARSE (by the IST rock color chart)	10YR 6/2	471. F. FIELD	Yellowish Brown
472. Y. COLOR	Yellowish Brown	473. COARSE (by the IST rock color chart)	10YR 6/2	474. F. FIELD	Yellowish Brown
475. Y. COLOR	Yellowish Brown	476. COARSE (by the IST rock color chart)	10YR 6/2	477. F. FIELD	Yellowish Brown
478. Y. COLOR	Yellowish Brown	479. COARSE (by the IST rock color chart)	10YR 6/2	480. F. FIELD	Yellowish Brown
481. Y. COLOR	Yellowish Brown	482. COARSE (by the IST rock color chart)	10YR 6/2	483. F. FIELD	Yellowish Brown
484. Y. COLOR	Yellowish Brown	485. COARSE (by the IST rock color chart)	10YR 6/2	486. F. FIELD	Yellowish Brown
487. Y. COLOR	Yellowish Brown	488. COARSE (by the IST rock color chart)	10YR 6/2	489. F. FIELD	Yellowish Brown
490. Y. COLOR	Yellowish Brown	491. COARSE (by the IST rock color chart)	10YR 6/2	492. F. FIELD	Yellowish Brown
493. Y. COLOR	Yellowish Brown	494. COARSE (by the IST rock color chart)	10YR 6/2	495. F. FIELD	Yellowish Brown
496. Y. COLOR	Yellowish Brown	497. COARSE (by the IST rock color chart)	10YR 6/2	498. F. FIELD	Yellowish Brown
499. Y. COLOR	Yellowish Brown	500. COARSE (by the IST rock color chart)	10YR 6/2		

OCEANOGRAPHIC LOG SHEET-R
PRNC-NMO-3167/18 (Rev. 4-60)

- 460)

SEDIMENT ANALYSIS SUMMARY SHEET

1. QUOTE NO.	2. SAMPLE NO.	3. BS-% (Continued)	3. SAMPLER TYPE
4. LATITUDE	7. WATER DEPTH (feet)	8. CORE LENGTH (cm)	9. CORE PENETRATION (cm)
5. DATE (day, month, year)	10. LABORATORY NUMBER	11. SUB-SAMPLE DEPTH IN CORE (cm)	12. COLOR (by the 1531 rock color chart)
6. DATE (day, month, year)	13. COLOR (by the 1531 rock color chart)	14. F. FIELD	15. LAR DETERMINATION
			16. OODR (ratio, water, rock, by wt. %)
			17. SIZE ANALYSIS AND STATISTICAL MEASURES
			a. % SAND
			b. % SILT
			c. % CLAY
			d. SEDIMENT TYPE
			e. PHI MEAN DIAMETER (m. d.)
			f. PHI DEVIATION MEASURE (m. d.)
			g. PHI SKEWNESS MEASURE (m. d.)
			18. CHEMICAL ANALYSIS
			a. CaCO ₃
			b. Organic Carbon (%)

PRNC-NHQ-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

[illegible]

ULTRANOGRAPHIC LOG SHEET-R
PRNC-NHO-3167/18 (Rev. 4-60)

4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. SAMPLE NO.	2. SAMPLE NO. DS-77 (continued)	3. SAMPLER TYPE
4. LATITUDE	7. WATER DEPTH (meters)	
5. LONGITUDE	8. CORE LENGTH (cm)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	7.238	7.649
11. SUB-SAMPLE DEPTH IN CORE (cm)	32-36.6	36.6-42
12. COLOR (by the GS test color chart)	Light	Light
13. COLOR (by the GS test color chart)	Olive Gray	Olive Gray
	519/2	519/2
	Yellowish Gray	
	517/2	
F FIELD ☐ LAB DETERMINATION		
14. SOIL (sandy, silty, sandy silty, S, etc.)		
15. SIZE ANALYSIS AND STATISTICAL MEASURES		
a. % SAND	8	8
b. % SILT	50	55
c. % CLAY	42	38
d. SILMENT TYPE	Clayey Silt	Clayey Silt
e. PHI MEAN DIAMETER (μ)	8.33	8.00
f. PHI DEVIATION MEASURE (σ)		
g. PHI SKENNESS MEASURE (α)		
16. CHEMICAL ANALYSIS		
a. CaCO ₃ (%)		
b. Organic Carbon (%)		

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00 E 4.5	2. SAMPLE NO.	BS-18 Section AS 28	3. SAMPLER TYPE	Thieler
4. LATITUDE	29° 26' 8"	7. WATER DEPTH (meters)	245		
5. LONGITUDE	64° 06' 8"	8. CORE LENGTH (cm)	73.4		
6. DATE (day, month, year)	20 March 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7094	7097	7099	7099	
11. SUB SAMPLE DEPTH IN CORE (cm)	0-1.5	1.5-5.5	5.5-14.5	14.5-16	
12. COLOR (by the 031 rack color chart)	Dark Yellowish Brown	Dark Yellowish Brown	Light Olive Gray	Light Olive Gray	
	10YR 4/2	5Y 4/1	5Y 6/1	5Y 6/1	
F. FIELD	☐ LAB. DETERMINATION				
13. DOOR (earth, mud, rock, if S, etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSEST THAN SAND (<= 1 φ)	8	8	4	3	
b. % SAND	84	83	81	81	
c. % SILT	44	44	45	46	
d. % CLAY	Clayey silt	Clayey silt	Clayey silt	Clayey silt	
e. PH. MEDIAN DIAMETER (μ φ)	8.61	8.66	8.61	8.74	
f. PH. DEVIATION MEASURE (σ φ)					
g. PH. SKEWNESS MEASURE (σ φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)	34	35	41	41	
b. Organic Carbon (%)	0.80				

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO.	BS-19 continued	3. SAMPLER TYPE	
4. LATITUDE	0	7. WATER DEPTH (meters)			
5. LONGITUDE	0	8. CORE LENGTH (cm)			
6. DATE (day, month, year)		9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER		7100	7101	7102	7103
11. SUB SAMPLE DEPTH IN CORE (cm)		16-21	21-25	40-44	64-68
12. COLOR (by the 031 rack color chart)		Light Olive Gray	Light Olive Gray	Light Olive Gray	Light Olive Gray
		5Y 6/1	5Y 6/1	5Y 6/1	5Y 6/1
F. FIELD	☐ LAB. DETERMINATION				
13. DOOR (earth, mud, rock, if S, etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSEST THAN SAND (<= 1 φ)		5	7	7	6
b. % SAND		53	52	51	68
c. % SILT		41	41	42	32
d. % CLAY		Clayey silt	Clayey silt	Clayey silt	Clayey silt
e. PH. MEDIAN DIAMETER (μ φ)		8.42	8.30	8.36	7.45
f. PH. DEVIATION MEASURE (σ φ)					
g. PH. SKEWNESS MEASURE (σ φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)		45	47	44	47
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO.	BS-19 continued	3. SAMPLER TYPE	
4. LATITUDE	0	7. WATER DEPTH (meters)			
5. LONGITUDE	0	8. CORE LENGTH (cm)			
6. DATE (day, month, year)		9. CORE PENETRATION (cm)			
10. LABORATORY NUMBER		7104			
11. SUB SAMPLE DEPTH IN CORE (cm)		68-73.7			
12. COLOR (by the 031 rack color chart)		Light Olive Gray			
		5Y 6/2			
F. FIELD	☐ LAB. DETERMINATION				
13. DOOR (earth, mud, rock, if S, etc.)					
14. SIZE ANALYSIS and STATISTICAL MEASURES					
a. % COARSEST THAN SAND (<= 1 φ)		4			
b. % SAND		64			
c. % SILT		31			
d. % CLAY		Clayey silt			
e. PH. MEDIAN DIAMETER (μ φ)		7.45			
f. PH. DEVIATION MEASURE (σ φ)					
g. PH. SKEWNESS MEASURE (σ φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)		44			
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R

PRINCIPAL INVESTIGATOR (Name, date)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE TYPE
00865	BS-79 Station AS 18	Phleger
4. LATITUDE	5. LONGITUDE	6. DATE (day, month, year)
23 28.3	1372	25 March 1961
7. WATER DEPTH (meters)	8. CORE LENGTH (cm)	9. CORE PENETRATION (cm)
64 30.8	66.5	7499
10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (by the C&I rock color chart)
7499	7499	7499
	0-5	10-15
	Moderate	Moderate
	Olive Brown	Olive Brown
	5YH/4	5YH/4

F FIELD L LAB DETERMINATION

13. ODDS (length, width, height) (1/2, 1/3, 1/4)

14. SIZE ANALYSIS AND STATISTICAL MEASURES

a. % SAND

b. % SILT

c. % CLAY

d. % SILT

e. % CLAY

f. % CLAY

g. % CLAY

h. % CLAY

i. % CLAY

j. % CLAY

k. % CLAY

l. % CLAY

m. % CLAY

n. % CLAY

o. % CLAY

p. % CLAY

q. % CLAY

r. % CLAY

s. % CLAY

t. % CLAY

u. % CLAY

v. % CLAY

w. % CLAY

x. % CLAY

y. % CLAY

z. % CLAY

aa. % CLAY

ab. % CLAY

ac. % CLAY

ad. % CLAY

ae. % CLAY

af. % CLAY

ag. % CLAY

ah. % CLAY

ai. % CLAY

aj. % CLAY

ak. % CLAY

al. % CLAY

am. % CLAY

an. % CLAY

ao. % CLAY

ap. % CLAY

aq. % CLAY

ar. % CLAY

as. % CLAY

at. % CLAY

OCEANOGRAPHIC LOG SHEET-R

PRINCIPAL INVESTIGATOR (Name, date)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE TYPE
00865	BS-79 continued	
4. LATITUDE	5. LONGITUDE	6. DATE (day, month, year)
23 28.3	1372	25 March 1961
7. WATER DEPTH (meters)	8. CORE LENGTH (cm)	9. CORE PENETRATION (cm)
64 30.8	66.5	7499
10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (by the C&I rock color chart)
7499	7499	7499
	30-35	40-45
	Light	Light
	Olive Gray*	Olive Gray
	5Y5/2	5Y5/2

F FIELD L LAB DETERMINATION

13. ODDS (length, width, height) (1/2, 1/3, 1/4)

14. SIZE ANALYSIS AND STATISTICAL MEASURES

a. % SAND

b. % SILT

c. % CLAY

d. % SILT

e. % CLAY

f. % CLAY

g. % CLAY

h. % CLAY

i. % CLAY

j. % CLAY

k. % CLAY

l. % CLAY

m. % CLAY

n. % CLAY

o. % CLAY

p. % CLAY

q. % CLAY

r. % CLAY

s. % CLAY

t. % CLAY

u. % CLAY

v. % CLAY

w. % CLAY

x. % CLAY

y. % CLAY

z. % CLAY

aa. % CLAY

ab. % CLAY

ac. % CLAY

ad. % CLAY

ae. % CLAY

af. % CLAY

ag. % CLAY

ah. % CLAY

ai. % CLAY

aj. % CLAY

ak. % CLAY

al. % CLAY

am. % CLAY

an. % CLAY

ao. % CLAY

ap. % CLAY

aq. % CLAY

ar. % CLAY

as. % CLAY

at. % CLAY

*Contained black streaks

OCEANOGRAPHIC LOG SHEET-R

PRINCIPAL INVESTIGATOR (Name, date)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE TYPE
00865	BS-79 continued	
4. LATITUDE	5. LONGITUDE	6. DATE (day, month, year)
23 28.3	1372	25 March 1961
7. WATER DEPTH (meters)	8. CORE LENGTH (cm)	9. CORE PENETRATION (cm)
64 30.8	66.5	7499
10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (by the C&I rock color chart)
7499	7499	7499
	62-66.5	62-66.5
	Olive Gray	Olive Gray
	5YH/4	5YH/4

F FIELD L LAB DETERMINATION

13. ODDS (length, width, height) (1/2, 1/3, 1/4)

14. SIZE ANALYSIS AND STATISTICAL MEASURES

a. % SAND

b. % SILT

c. % CLAY

d. % SILT

e. % CLAY

f. % CLAY

g. % CLAY

h. % CLAY

i. % CLAY

j. % CLAY

k. % CLAY

l. % CLAY

m. % CLAY

n. % CLAY

o. % CLAY

p. % CLAY

OCEANOGRAPHIC LOG SHEET-R
PRC-IND-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	BS-80 Sta. tow. AS 10	3. SAMPLER TYPE	Phleger
4. LATITUDE	24 24.6	7. WATER DEPTH (meters)	3043.2		
5. LONGITUDE	84 26.8	8. CORE LENGTH (cm)	87		
6. DATE (day, month, year)	23 March 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7454	12.54	7266	7257	
11. SUB SAMPLE DEPTH IN CORE (cm)	0-5	12.55	12.6-14	14-2.3	
12. COLOR (by the GSI rock color chart)	Grayish Olive 10Y4/2	Grayish Olive 10Y4/2	Greenish Gray 5GY4/1	Greenish Gray 5GY4/1	
[F] FIELD [L] LAB. DETERMINATION					
13. ORDER (earth, mudd, sand, sh, s, etc.)					
14. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. % COARSEST THAN SAND (<-1 φ)					
b. % SAND					
c. % SILT					
d. % CLAY					
e. SEDIMENT TYPE					
f. PHI MEDIAN DIAMETER (M φ)					
g. PHI DEVIATION MEASURE (σ φ)					
h. PHI SKENNESS MEASURE (α φ)					
15. CHEMICAL ANALYSIS					
a. CaCO ₃ (%)					
b. Organic Carbon (%)					

OCEANOGRAPHIC LOG SHEET-R
PRC-IND-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO.	BS-80 continued	3. SAMPLER TYPE
4. LATITUDE		7. WATER DEPTH (meters)		
5. LONGITUDE		8. CORE LENGTH (cm)		
6. DATE (day, month, year)		9. CORE PENETRATION (cm)		
10. LABORATORY NUMBER	7258	7259	7260	7261
11. SUB SAMPLE DEPTH IN CORE (cm)	13-23.2	23.2-30.4	30.4-35	35-42.6
12. COLOR (by the GSI rock color chart)	Greenish Gray 5GY4/1	Dark Greenish Gray 5GY4/1	Greenish Gray 5GY4/1	Greenish Gray 5GY4/1
[F] FIELD [L] LAB. DETERMINATION				
13. ORDER (earth, mudd, sand, sh, s, etc.)				
14. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. % COARSEST THAN SAND (<-1 φ)				
b. % SAND				
c. % SILT				
d. % CLAY				
e. SEDIMENT TYPE				
f. PHI MEDIAN DIAMETER (M φ)				
g. PHI DEVIATION MEASURE (σ φ)				
h. PHI SKENNESS MEASURE (α φ)				
15. CHEMICAL ANALYSIS				
a. CaCO ₃ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R
PRC-IND-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.		2. SAMPLE NO.	BS-80 continued	3. SAMPLER TYPE
4. LATITUDE		7. WATER DEPTH (meters)		
5. LONGITUDE		8. CORE LENGTH (cm)		
6. DATE (day, month, year)		9. CORE PENETRATION (cm)		
10. LABORATORY NUMBER	7263	7263	7263	7263
11. SUB SAMPLE DEPTH IN CORE (cm)	42.6-47	47-57	57-59	59-61
12. COLOR (by the GSI rock color chart)	Greenish Gray 5GY4/1	Greenish Gray 5GY4/1	Greenish Gray 5GY4/1	Greenish Gray 5GY4/1
[F] FIELD [L] LAB. DETERMINATION				
13. ORDER (earth, mudd, sand, sh, s, etc.)				
14. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. % COARSEST THAN SAND (<-1 φ)				
b. % SAND				
c. % SILT				
d. % CLAY				
e. SEDIMENT TYPE				
f. PHI MEDIAN DIAMETER (M φ)				
g. PHI DEVIATION MEASURE (σ φ)				
h. PHI SKENNESS MEASURE (α φ)				
15. CHEMICAL ANALYSIS				
a. CaCO ₃ (%)				
b. Organic Carbon (%)				

OCEANOGRAPHIC LOG SHEET-R

OCEANOGRAPHIC LOG SHEET-R

SEDIMENT ANALYSIS SUMMARY SHEET									
1. SAMPLE NO. <u>00865</u>		2. SAMPLE NO. <u>BS-81</u>		3. SECTION <u>AS11</u>		4. SAMPLER TYPE <u>Phloger</u>		5. DATE <u>20 March 1961</u>	
6. LATITUDE <u>24° 30'</u>	7. LONGITUDE <u>65° 50'</u>	8. DATE (Yr, Mo, Day) <u>1961</u>	9. DATE (Yr, Mo, Day) <u>20 March 1961</u>	10. LABORATORY NUMBER <u>7440</u>	11. 100' WATER DEPTH IN CORE (m) <u>274.74</u>	12. 50' WATER DEPTH (m) <u>274.74</u>	13. 25' WATER DEPTH (m) <u>274.74</u>	14. 10' WATER DEPTH (m) <u>274.74</u>	15. 5' WATER DEPTH (m) <u>274.74</u>
16. 10' WATER DEPTH (m) <u>274.74</u>	17. 5' WATER DEPTH (m) <u>274.74</u>	18. 10' WATER DEPTH (m) <u>274.74</u>	19. 5' WATER DEPTH (m) <u>274.74</u>	20. 10' WATER DEPTH (m) <u>274.74</u>	21. 5' WATER DEPTH (m) <u>274.74</u>	22. 10' WATER DEPTH (m) <u>274.74</u>	23. 5' WATER DEPTH (m) <u>274.74</u>	24. 10' WATER DEPTH (m) <u>274.74</u>	25. 5' WATER DEPTH (m) <u>274.74</u>
26. 10' WATER DEPTH (m) <u>274.74</u>	27. 5' WATER DEPTH (m) <u>274.74</u>	28. 10' WATER DEPTH (m) <u>274.74</u>	29. 5' WATER DEPTH (m) <u>274.74</u>	30. 10' WATER DEPTH (m) <u>274.74</u>	31. 5' WATER DEPTH (m) <u>274.74</u>	32. 10' WATER DEPTH (m) <u>274.74</u>	33. 5' WATER DEPTH (m) <u>274.74</u>	34. 10' WATER DEPTH (m) <u>274.74</u>	35. 5' WATER DEPTH (m) <u>274.74</u>
36. 10' WATER DEPTH (m) <u>274.74</u>	37. 5' WATER DEPTH (m) <u>274.74</u>	38. 10' WATER DEPTH (m) <u>274.74</u>	39. 5' WATER DEPTH (m) <u>274.74</u>	40. 10' WATER DEPTH (m) <u>274.74</u>	41. 5' WATER DEPTH (m) <u>274.74</u>	42. 10' WATER DEPTH (m) <u>274.74</u>	43. 5' WATER DEPTH (m) <u>274.74</u>	44. 10' WATER DEPTH (m) <u>274.74</u>	45. 5' WATER DEPTH (m) <u>274.74</u>
46. 10' WATER DEPTH (m) <u>274.74</u>	47. 5' WATER DEPTH (m) <u>274.74</u>	48. 10' WATER DEPTH (m) <u>274.74</u>	49. 5' WATER DEPTH (m) <u>274.74</u>	50. 10' WATER DEPTH (m) <u>274.74</u>	51. 5' WATER DEPTH (m) <u>274.74</u>	52. 10' WATER DEPTH (m) <u>274.74</u>	53. 5' WATER DEPTH (m) <u>274.74</u>	54. 10' WATER DEPTH (m) <u>274.74</u>	55. 5' WATER DEPTH (m) <u>274.74</u>
56. 10' WATER DEPTH (m) <u>274.74</u>	57. 5' WATER DEPTH (m) <u>274.74</u>	58. 10' WATER DEPTH (m) <u>274.74</u>	59. 5' WATER DEPTH (m) <u>274.74</u>	60. 10' WATER DEPTH (m) <u>274.74</u>	61. 5' WATER DEPTH (m) <u>274.74</u>	62. 10' WATER DEPTH (m) <u>274.74</u>	63. 5' WATER DEPTH (m) <u>274.74</u>	64. 10' WATER DEPTH (m) <u>274.74</u>	65. 5' WATER DEPTH (m) <u>274.74</u>
66. 10' WATER DEPTH (m) <u>274.74</u>	67. 5' WATER DEPTH (m) <u>274.74</u>	68. 10' WATER DEPTH (m) <u>274.74</u>	69. 5' WATER DEPTH (m) <u>274.74</u>	70. 10' WATER DEPTH (m) <u>274.74</u>	71. 5' WATER DEPTH (m) <u>274.74</u>	72. 10' WATER DEPTH (m) <u>274.74</u>	73. 5' WATER DEPTH (m) <u>274.74</u>	74. 10' WATER DEPTH (m) <u>274.74</u>	75. 5' WATER DEPTH (m) <u>274.74</u>
76. 10' WATER DEPTH (m) <u>274.74</u>	77. 5' WATER DEPTH (m) <u>274.74</u>	78. 10' WATER DEPTH (m) <u>274.74</u>	79. 5' WATER DEPTH (m) <u>274.74</u>	80. 10' WATER DEPTH (m) <u>274.74</u>	81. 5' WATER DEPTH (m) <u>274.74</u>	82. 10' WATER DEPTH (m) <u>274.74</u>	83. 5' WATER DEPTH (m) <u>274.74</u>	84. 10' WATER DEPTH (m) <u>274.74</u>	85. 5' WATER DEPTH (m) <u>274.74</u>
86. 10' WATER DEPTH (m) <u>274.74</u>	87. 5' WATER DEPTH (m) <u>274.74</u>	88. 10' WATER DEPTH (m) <u>274.74</u>	89. 5' WATER DEPTH (m) <u>274.74</u>	90. 10' WATER DEPTH (m) <u>274.74</u>	91. 5' WATER DEPTH (m) <u>274.74</u>	92. 10' WATER DEPTH (m) <u>274.74</u>	93. 5' WATER DEPTH (m) <u>274.74</u>	94. 10' WATER DEPTH (m) <u>274.74</u>	95. 5' WATER DEPTH (m) <u>274.74</u>
96. 10' WATER DEPTH (m) <u>274.74</u>	97. 5' WATER DEPTH (m) <u>274.74</u>	98. 10' WATER DEPTH (m) <u>274.74</u>	99. 5' WATER DEPTH (m) <u>274.74</u>	100. 10' WATER DEPTH (m) <u>274.74</u>	101. 5' WATER DEPTH (m) <u>274.74</u>	102. 10' WATER DEPTH (m) <u>274.74</u>	103. 5' WATER DEPTH (m) <u>274.74</u>	104. 10' WATER DEPTH (m) <u>274.74</u>	105. 5' WATER DEPTH (m) <u>274.74</u>
106. 10' WATER DEPTH (m) <u>274.74</u>	107. 5' WATER DEPTH (m) <u>274.74</u>	108. 10' WATER DEPTH (m) <u>274.74</u>	109. 5' WATER DEPTH (m) <u>274.74</u>	110. 10' WATER DEPTH (m) <u>274.74</u>	111. 5' WATER DEPTH (m) <u>274.74</u>	112. 10' WATER DEPTH (m) <u>274.74</u>	113. 5' WATER DEPTH (m) <u>274.74</u>	114. 10' WATER DEPTH (m) <u>274.74</u>	115. 5' WATER DEPTH (m) <u>274.74</u>
116. 10' WATER DEPTH (m) <u>274.74</u>	117. 5' WATER DEPTH (m) <u>274.74</u>	118. 10' WATER DEPTH (m) <u>274.74</u>	119. 5' WATER DEPTH (m) <u>274.74</u>	120. 10' WATER DEPTH (m) <u>274.74</u>	121. 5' WATER DEPTH (m) <u>274.74</u>	122. 10' WATER DEPTH (m) <u>274.74</u>	123. 5' WATER DEPTH (m) <u>274.74</u>	124. 10' WATER DEPTH (m) <u>274.74</u>	125. 5' WATER DEPTH (m) <u>274.74</u>
126. 10' WATER DEPTH (m) <u>274.74</u>	127. 5' WATER DEPTH (m) <u>274.74</u>	128. 10' WATER DEPTH (m) <u>274.74</u>	129. 5' WATER DEPTH (m) <u>274.74</u>	130. 10' WATER DEPTH (m) <u>274.74</u>	131. 5' WATER DEPTH (m) <u>274.74</u>	132. 10' WATER DEPTH (m) <u>274.74</u>	133. 5' WATER DEPTH (m) <u>274.74</u>	134. 10' WATER DEPTH (m) <u>274.74</u>	135. 5' WATER DEPTH (m) <u>274.74</u>

OCEANOGRAPHIC LOG SHEET-R

OCEANOGRAPHIC LOG SHEET-R

SEDIMENT ANALYSIS SUMMARY SHEET			
1. CUISE NO.	00865	2. SAMPLE NO.	BS-52-Shera As 12
3. LATITUDE	25° 04.9'	3. SAMPLER TYPE	Thalysor
4. LONGITUDE	66° 15'	7. WATER DEPTH (meters)	76.8
5. DATE (Yr., month, day)	25 March 1966	8. CORE LENGTH (m)	63.8
10. LABORATORY NUMBER	7660	9. CORE PENETRATION (cm)	914
11. SUB-SAMPLE DEPTH IN CORE (cm)	72.8	12. CORE GRAIN SIZE (mm)	72.8
12. COLOR IN THE 5% TEST COLORED FLUID	C-5	13. CORE GRAIN SIZE (mm)	72.8
13. FIELD	☒ LAB. DETERMINATION	14. SIZE ANALYSIS AND STATISTICAL MEASURES	
15. CORE GRAIN SIZE (mm)	72.8	16. % COMMER THAN SAND (< 1.0)	
17. % SILT	61	18. % CLAY	39
19. % ORGANIC MATTER (C _{org})	19	20. % ORGANIC MATTER (C _{org})	19
21. % ORGANIC MATTER (C _{org})	19	22. % ORGANIC MATTER (C _{org})	19
23. % ORGANIC MATTER (C _{org})	19	24. % ORGANIC MATTER (C _{org})	19
25. % ORGANIC MATTER (C _{org})	19	26. % ORGANIC MATTER (C _{org})	19
27. % ORGANIC MATTER (C _{org})	19	28. % ORGANIC MATTER (C _{org})	19
29. % ORGANIC MATTER (C _{org})	19	30. % ORGANIC MATTER (C _{org})	19
31. % ORGANIC MATTER (C _{org})	19	32. % ORGANIC MATTER (C _{org})	19
33. % ORGANIC MATTER (C _{org})	19	34. % ORGANIC MATTER (C _{org})	19
35. % ORGANIC MATTER (C _{org})	19	36. % ORGANIC MATTER (C _{org})	19
37. % ORGANIC MATTER (C _{org})	19	38. % ORGANIC MATTER (C _{org})	19
39. % ORGANIC MATTER (C _{org})	19	40. % ORGANIC MATTER (C _{org})	19
41. % ORGANIC MATTER (C _{org})	19	42. % ORGANIC MATTER (C _{org})	19
43. % ORGANIC MATTER (C _{org})	19	44. % ORGANIC MATTER (C _{org})	19
45. % ORGANIC MATTER (C _{org})	19	46. % ORGANIC MATTER (C _{org})	19
47. % ORGANIC MATTER (C _{org})	19	48. % ORGANIC MATTER (C _{org})	19
49. % ORGANIC MATTER (C _{org})	19	50. % ORGANIC MATTER (C _{org})	19
51. % ORGANIC MATTER (C _{org})	19	52. % ORGANIC MATTER (C _{org})	19
53. % ORGANIC MATTER (C _{org})	19	54. % ORGANIC MATTER (C _{org})	19
55. % ORGANIC MATTER (C _{org})	19	56. % ORGANIC MATTER (C _{org})	19
57. % ORGANIC MATTER (C _{org})	19	58. % ORGANIC MATTER (C _{org})	19
59. % ORGANIC MATTER (C _{org})	19	60. % ORGANIC MATTER (C _{org})	19
61. % ORGANIC MATTER (C _{org})	19	62. % ORGANIC MATTER (C _{org})	19
63. % ORGANIC MATTER (C _{org})	19	64. % ORGANIC MATTER (C _{org})	19
65. % ORGANIC MATTER (C _{org})	19	66. % ORGANIC MATTER (C _{org})	19
67. % ORGANIC MATTER (C _{org})	19	68. % ORGANIC MATTER (C _{org})	19
69. % ORGANIC MATTER (C _{org})	19	70. % ORGANIC MATTER (C _{org})	19
71. % ORGANIC MATTER (C _{org})	19	72. % ORGANIC MATTER (C _{org})	19
73. % ORGANIC MATTER (C _{org})	19	74. % ORGANIC MATTER (C _{org})	19
75. % ORGANIC MATTER (C _{org})	19	76. % ORGANIC MATTER (C _{org})	19
77. % ORGANIC MATTER (C _{org})	19	78. % ORGANIC MATTER (C _{org})	19
79. % ORGANIC MATTER (C _{org})	19	80. % ORGANIC MATTER (C _{org})	19
81. % ORGANIC MATTER (C _{org})	19	82. % ORGANIC MATTER (C _{org})	19
83. % ORGANIC MATTER (C _{org})	19	84. % ORGANIC MATTER (C _{org})	19
85. % ORGANIC MATTER (C _{org})	19	86. % ORGANIC MATTER (C _{org})	19
87. % ORGANIC MATTER (C _{org})	19	88. % ORGANIC MATTER (C _{org})	19
89. % ORGANIC MATTER (C _{org})	19	90. % ORGANIC MATTER (C _{org})	19
91. % ORGANIC MATTER (C _{org})	19	92. % ORGANIC MATTER (C _{org})	19
93. % ORGANIC MATTER (C _{org})	19	94. % ORGANIC MATTER (C _{org})	19
95. % ORGANIC MATTER (C _{org})	19	96. % ORGANIC MATTER (C _{org})	19
97. % ORGANIC MATTER (C _{org})	19	98. % ORGANIC MATTER (C _{org})	19
99. % ORGANIC MATTER (C _{org})	19	100. % ORGANIC MATTER (C _{org})	19

OCEANOGRAPHIC LOG SHEET-R

OCEANOGRAPHIC LOG SHEET-R

SEDIMENT ANALYSIS SUMMARY SHEET			
2. SAMPLE NO.	3. JAWBLER TYPE		
1. CURVE NO.			
4. LATITUDE			
5. DATE OF COLLECTION			
6. DATE OF ANALYSIS			
7. MONTH, YEAR			
8. LAB. NO.			
9. LAB. ADDRESS			
10. LABORATORY NUMBER			
11. LABORATORY NAME			
12. SAMPLE DEPTH IN CORE (cm)			
13. CORNER TYPE (See Code Sheet)			
14. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. % COARSER THAN SAND ($\leq 2 \phi$)			
b. % SAND			
c. % SILT			
d. % CLAY			
e. SEDIMENT TYPE			
f. PHI MEDIAN DIAMETER (M_z)			
g. PHI STANDARD DEVIATION (σ_z)			
h. PHI SKWENESS MEASURE (S_z)			
i. PHI CURVATURE MEASURE (C_z)			
j. COEFFICIENT OF VARIATION (C_v)			
k. COEFFICIENT OF SORTATION (C_s)			
l. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R

DCEANOGRAPHIC LOG SHEET-R

SEDIMENT ANALYSIS SUMMARY SHEET				
1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLER TYPE		
4. LATITUDE	5. DATE	6. WATER DEPTH (meters)	7. CORE LENGTH (cm)	8. CORE PENETRATION (cm)
9. DATE & TIME, month, year	10. LABORATORY NUMBER	11. SUB-SAMPLE DEPTH IN CORE (cm)	12. SUB-SAMPLE DEPTH IN CORE (meters)	13. COLOR (in sec 521 nm, 100 ml)
14. FIELD	15. LAB. DETERMINATION	16. DOOR (location, number, etc.)	17. SIZE ANALYSIS AND STATISTICAL MEASURES	18. % COARSEST FINEST SAND (< 1 φ)
			a. % SAND	b. % SILT
			c. % CLAY	d. % ORGANIC
			e. PERCENT DIAMETER (μ)	f. PERCENT DIAMETER (μ)
			g. PERCENT DIAMETER (μ)	h. PERCENT DIAMETER (μ)
			i. PERCENT DIAMETER (μ)	j. PERCENT DIAMETER (μ)
			k. PERCENT DIAMETER (μ)	l. PERCENT DIAMETER (μ)
			m. PERCENT DIAMETER (μ)	n. PERCENT DIAMETER (μ)
			o. PERCENT DIAMETER (μ)	p. PERCENT DIAMETER (μ)
			q. PERCENT DIAMETER (μ)	r. PERCENT DIAMETER (μ)
			s. PERCENT DIAMETER (μ)	t. PERCENT DIAMETER (μ)
			u. PERCENT DIAMETER (μ)	v. PERCENT DIAMETER (μ)
			w. PERCENT DIAMETER (μ)	x. PERCENT DIAMETER (μ)
			y. PERCENT DIAMETER (μ)	z. PERCENT DIAMETER (μ)
			aa. PERCENT DIAMETER (μ)	ab. PERCENT DIAMETER (μ)
			ac. PERCENT DIAMETER (μ)	ad. PERCENT DIAMETER (μ)
			ae. PERCENT DIAMETER (μ)	af. PERCENT DIAMETER (μ)
			ag. PERCENT DIAMETER (μ)	ah. PERCENT DIAMETER (μ)
			ai. PERCENT DIAMETER (μ)	aj. PERCENT DIAMETER (μ)
			ak. PERCENT DIAMETER (μ)	al. PERCENT DIAMETER (μ)
			am. PERCENT DIAMETER (μ)	an. PERCENT DIAMETER (μ)
			ao. PERCENT DIAMETER (μ)	ap. PERCENT DIAMETER (μ)
			aq. PERCENT DIAMETER (μ)	ar. PERCENT DIAMETER (μ)
			as. PERCENT DIAMETER (μ)	at. PERCENT DIAMETER (μ)
			au. PERCENT DIAMETER (μ)	av. PERCENT DIAMETER (μ)
			aw. PERCENT DIAMETER (μ)	ax. PERCENT DIAMETER (μ)
			ay. PERCENT DIAMETER (μ)	az. PERCENT DIAMETER (μ)
			ba. PERCENT DIAMETER (μ)	bb. PERCENT DIAMETER (μ)
			bc. PERCENT DIAMETER (μ)	bd. PERCENT DIAMETER (μ)
			be. PERCENT DIAMETER (μ)	bf. PERCENT DIAMETER (μ)
			bg. PERCENT DIAMETER (μ)	bh. PERCENT DIAMETER (μ)
			bi. PERCENT DIAMETER (μ)	bj. PERCENT DIAMETER (μ)
			bk. PERCENT DIAMETER (μ)	bl. PERCENT DIAMETER (μ)
			bm. PERCENT DIAMETER (μ)	bn. PERCENT DIAMETER (μ)
			bo. PERCENT DIAMETER (μ)	bp. PERCENT DIAMETER (μ)
			bq. PERCENT DIAMETER (μ)	br. PERCENT DIAMETER (μ)
			bs. PERCENT DIAMETER (μ)	bt. PERCENT DIAMETER (μ)
			bu. PERCENT DIAMETER (μ)	bv. PERCENT DIAMETER (μ)
			bw. PERCENT DIAMETER (μ)	bx. PERCENT DIAMETER (μ)
			by. PERCENT DIAMETER (μ)	bz. PERCENT DIAMETER (μ)
			ca. PERCENT DIAMETER (μ)	cb. PERCENT DIAMETER (μ)
			cc. PERCENT DIAMETER (μ)	cd. PERCENT DIAMETER (μ)
			ce. PERCENT DIAMETER (μ)	cf. PERCENT DIAMETER (μ)
			cg. PERCENT DIAMETER (μ)	ch. PERCENT DIAMETER (μ)
			ci. PERCENT DIAMETER (μ)	cj. PERCENT DIAMETER (μ)
			ck. PERCENT DIAMETER (μ)	cl. PERCENT DIAMETER (μ)
			cm. PERCENT DIAMETER (μ)	cn. PERCENT DIAMETER (μ)
			co. PERCENT DIAMETER (μ)	cp. PERCENT DIAMETER (μ)
			cq. PERCENT DIAMETER (μ)	cr. PERCENT DIAMETER (μ)
			cs. PERCENT DIAMETER (μ)	ct. PERCENT DIAMETER (μ)
			cu. PERCENT DIAMETER (μ)	cv. PERCENT DIAMETER (μ)
			cw. PERCENT DIAMETER (μ)	cx. PERCENT DIAMETER (μ)
			cy. PERCENT DIAMETER (μ)	cz. PERCENT DIAMETER (μ)
			da. PERCENT DIAMETER (μ)	db. PERCENT DIAMETER (μ)
			dc. PERCENT DIAMETER (μ)	dd. PERCENT DIAMETER (μ)
			de. PERCENT DIAMETER (μ)	df. PERCENT DIAMETER (μ)
			dg. PERCENT DIAMETER (μ)	dh. PERCENT DIAMETER (μ)
			di. PERCENT DIAMETER (μ)	dj. PERCENT DIAMETER (μ)
			dk. PERCENT DIAMETER (μ)	dl. PERCENT DIAMETER (μ)
			dm. PERCENT DIAMETER (μ)	dn. PERCENT DIAMETER (μ)
			do. PERCENT DIAMETER (μ)	dp. PERCENT DIAMETER (μ)
			dq. PERCENT DIAMETER (μ)	dr. PERCENT DIAMETER (μ)
			ds. PERCENT DIAMETER (μ)	dt. PERCENT DIAMETER (μ)
			du. PERCENT DIAMETER (μ)	dv. PERCENT DIAMETER (μ)
			dw. PERCENT DIAMETER (μ)	dx. PERCENT DIAMETER (μ)
			dy. PERCENT DIAMETER (μ)	dz. PERCENT DIAMETER (μ)
			ea. PERCENT DIAMETER (μ)	eb. PERCENT DIAMETER (μ)
			ec. PERCENT DIAMETER (μ)	ed. PERCENT DIAMETER (μ)
			ee. PERCENT DIAMETER (μ)	ef. PERCENT DIAMETER (μ)
			eg. PERCENT DIAMETER (μ)	eh. PERCENT DIAMETER (μ)
			ei. PERCENT DIAMETER (μ)	ej. PERCENT DIAMETER (μ)
			ek. PERCENT DIAMETER (μ)	el. PERCENT DIAMETER (μ)
			em. PERCENT DIAMETER (μ)	en. PERCENT DIAMETER (μ)
			eo. PERCENT DIAMETER (μ)	ep. PERCENT DIAMETER (

OCEANOGRAPHIC LOG SHEET-R

OCEANOGRAPHIC LUG SHEET

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	008CS	2. SAMPLE NO.	BS - BSZATION	AS 16	3. SAMPLER TYPE	Phleger
4. LATITUDE	23	0	30			128.1
5. LONGITUDE	66	0				N
6. DATE (day, month, year)	28	March	1961			56
7. WATER DEPTH (meters)						
8. CORE LENGTH (meters)						
9. CORE PENETRATION (cm)						
10. LABORATORY NUMBER	7163					7165
11. SUB-SAMPLE DEPTH IN CORE (cm)	0-5					16.5-22
12. COLOR (for the 0-5 cm color chart)	Dark					
13. COLOR (for the 0-5 cm color chart)	Yellowish Brown					Olive Gray
14. FIELD LAB DETERMINATION	10YR 4/2					5Y 4/1
15. FIELD LAB DETERMINATION	4	Fail	1	Fail	1	4
16. CORP. (unit, weight, mark, & c.)						
17. ANALYSIS AND STATISTICAL MEASURES						
18. % CLAY	4					9
19. % SAND	46					42
20. % SILT	46					49
21. % CLAY	51					51
22. % SILT						
23. % SAND						
24. % CLAY						
25. % SILT						
26. % SAND						
27. % CLAY						
28. % SILT						
29. % SAND						
30. % CLAY						
31. % SILT						
32. % SAND						
33. % CLAY						
34. % SILT						
35. % SAND						
36. % CLAY						
37. % SILT						
38. % SAND						
39. % CLAY						
40. % SILT						
41. % SAND						
42. % CLAY						
43. % SILT						
44. % SAND						
45. % CLAY						
46. % SILT						
47. % SAND						
48. % CLAY						
49. % SILT						
50. % SAND						
51. % CLAY						
52. % SILT						
53. % SAND						
54. % CLAY						
55. % SILT						
56. % SAND						
57. % CLAY						
58. % SILT						
59. % SAND						
60. % CLAY						
61.						

OCEANOGRAPHIC LOG SHEET-R

CLEANUGRAPHIC LOG SHEET
BENC HMO 21/7/88 (8... (10)

SEDIMENT ANALYSIS SUMMARY SHEET

SAMPLING RECORD SHEET									
1. CRUISE NO.	2. SAMPLE NO.		3. STATION AS 301.3 SAMPLER TYPE <i>Phleger</i>						
4. LATITUDE	<i>22</i>	<i>00 86.5</i>	7. WATER DEPTH (meters)	8. CORE LENGTH (cm)					
5. LONGITUDE	<i>66</i>	<i>23.9</i>	9. <i>N</i>	10. CORE PENETRATION (cm)					
6. DATE (<i>day, month, year</i>)	<i>18 March 1961</i>		11. <i>E</i>	12. COLOR (by the <i>OC2</i> red color chart)					
10. LABORATORY NUMBER	<i>7620</i>		13. SUB SAMPLE DEPTH IN CORE (cm)	14. LAB. DETERMINATION					
11. SUB SAMPLE DEPTH IN CORE (cm)	<i>0-5</i>		Moderate	15. CORE ANALYSIS (by <i>OC2</i> red color chart)					
12. COLOR (by the <i>OC2</i> red color chart)	<i>7621</i>		Moderate	16. <i>N</i> 5 COARSEST THIN LAMINAE (1-10)					
13. SUB SAMPLE DEPTH IN CORE (cm)	<i>10-15</i>		Moderate	17. <i>N</i> 5 SAND					
14. LAB. DETERMINATION	<i>3344.4</i>		Olive Brown	18. <i>N</i> 5 SILT					
15. CORE ANALYSIS (by <i>OC2</i> red color chart)	<i>3344.4</i>		Olive Brown	19. <i>N</i> 5 CLAY					
16. <i>N</i> 5 COARSEST THIN LAMINAE (1-10)	<i>3344.4</i>		Olive Gray	20. SEDIMENT TYPE					
17. <i>N</i> 5 SAND	<i>3344.4</i>		Light	21. MINIMUM DIAMETER (1/10 ϕ)					
18. <i>N</i> 5 SILT	<i>3344.4</i>		3344.4	22. PHOSPHORUS MEASURE (p.p.m.)					
19. <i>N</i> 5 CLAY	<i>3344.4</i>		3344.4	23. PHOSPHORUS MEASURE (p.p.m.)					
20. SEDIMENT TYPE	<i>3344.4</i>		3344.4	24. CHEMICAL ANALYSIS					
21. MINIMUM DIAMETER (1/10 ϕ)	<i>3344.4</i>		3344.4	a. Ca (%)					
22. PHOSPHORUS MEASURE (p.p.m.)	<i>3344.4</i>		3344.4	b. Organic Carbon (%)					
23. PHOSPHORUS MEASURE (p.p.m.)	<i>3344.4</i>		3344.4	25. CRUISE NO.					
24. CHEMICAL ANALYSIS	<i>3344.4</i>		3344.4	26. DATE					
a. Ca (%)	<i>3344.4</i>		3344.4	27. TIME					
b. Organic Carbon (%)	<i>3344.4</i>		3344.4	28. LOCATION					

The core contained black streaks from 23.5 to 45.6 cm

OCEANOGRAPHIC LOG SHEET-R

PRNC-NHO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE TYPE
4. LATITUDE	5. LONGITUDE	6. WATER DEPTH (meters)
7. CORE LENGTH (cm)	8. CORE LENGTH (cm)	9. CORE PENETRATION (cm)
10. DATE (day, month, year)	11. LABORATORY NUMBER	12. COLOR (by the CIE color chart)
13. SUB-SAMPLE DEPTH IN CORE (cm)	14. LAB. DETERMINATION	15. MOISTURE, w (g water / 100 g dry soil)
16. COLOR (by the CIE color chart)	17. FIELD	18. DRY MASS LOSS, l (%)
19. S. COARSER THAN SAND (%)	20. S. SAND (%)	21. CLAY (%)
22. SEDIMENT TYPE	23. DIAMETER (W. 3)	24. PENETRATION MEASURE (g/cm)
25. PENETRATION MEASURE (g/cm)	26. PENETRATION MEASURE (g/cm)	27. CHEMICAL ANALYSIS
28. CHEMICAL ANALYSIS	29. ORGANIC CARBON (%)	30. ORGANIC CARBON (%)

OCEANOGRAPHIC LOG SHEET-R

UCEANOGRAPHIC LOG SHEET
BBMC NNO 2167/18 (8-160)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO. <i>35-84 (continued)</i>	3. SAMPLER TYPE
4. LATITUDE	7. WATER DEPTH (meters)	
5. LONGITUDE	8. CORE LENGTH (meters)	
6. DATE (day, month, year)	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER		
11. SUB-SAMPLE DEPTH IN CORE (cm)	7625	7627
12. COLOR (by the SST read color chart)	41-45.6	58-62
13. COLOR (by the SST read color chart)	Light	Light
	Olive Gray	Olive Gray
	51512	51512
14. FIELD		
15. LABORATORY DETERMINATION		
16. DOOR position, inside, outside, 1/2 S, 1/2 N		
17. ANALYSIS AND STATISTICAL MEASURES		
18. % CARBON	8	3
19. % SAND	49	51
20. % SILT		49
21. % CLAY		
22. SEDIMENT TYPE	Clayey Silt	Silty Clay
23. DIAMETER (mm)	44	44
24. PENETRATION MEASURE (g/s)	8.60	8.65
25. PENETRATION MEASURE (g/s)		
26. CHEMICAL ANALYSIS		
27. α , α_2 , α_3	46	31
28. α , α_2 , α_3 Carbon (%)		

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	35-85	3. SAMPLE TYPE	Phosor
4. LATITUDE	21° 30' N	5. LONGITUDE	158° 36' W	6. DATE (day, month, year)	21-41
7. WATER DEPTH (meters)	2141	8. CORE LENGTH (cm)	72	9. CORE PENETRATION (cm)	91.4
10. LABORATORY NUMBER	7199	11. SUB SAMPLE DEPTH IN CORE (cm)	7200	12. COLOR (by the CCI rock color chart)	7201
13. DOOR (yearly, monthly, weekly, daily, etc.)	7199	14. SIZE ANALYSIS AND STATISTICAL MEASURES	7201	15. CHEMICAL ANALYSIS	7201
16. % SAND	1	17. % SILT	48	18. % CLAY	49
19. PHDI MEDIAN DIAMETER (μm)	50	20. PHDI DEVIATION MEASURE (σ)	8.87	21. PHDI SKEWNESS MEASURE (γ)	8.86
22. PHDI SKEWNESS MEASURE (γ)	8.87	23. PHDI SKEWNESS MEASURE (γ)	8.86	24. PHDI SKEWNESS MEASURE (γ)	8.86
25. CHEMICAL ANALYSIS	8.87	26. CHEMICAL ANALYSIS	8.86	27. CHEMICAL ANALYSIS	8.86
28. Organic Carbon (%)	42	29. Organic Carbon (%)	45	30. Organic Carbon (%)	48

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	35-85	3. SAMPLE TYPE	Phosor
4. LATITUDE	21° 30' N	5. LONGITUDE	158° 36' W	6. DATE (day, month, year)	21-41
7. WATER DEPTH (meters)	2141	8. CORE LENGTH (cm)	72	9. CORE PENETRATION (cm)	91.4
10. LABORATORY NUMBER	7199	11. SUB SAMPLE DEPTH IN CORE (cm)	7200	12. COLOR (by the CCI rock color chart)	7201
13. DOOR (yearly, monthly, weekly, daily, etc.)	7199	14. SIZE ANALYSIS AND STATISTICAL MEASURES	7201	15. CHEMICAL ANALYSIS	7201
16. % SAND	1	17. % SILT	48	18. % CLAY	49
19. PHDI MEDIAN DIAMETER (μm)	50	20. PHDI DEVIATION MEASURE (σ)	8.87	21. PHDI SKEWNESS MEASURE (γ)	8.86
22. PHDI SKEWNESS MEASURE (γ)	8.87	23. PHDI SKEWNESS MEASURE (γ)	8.86	24. PHDI SKEWNESS MEASURE (γ)	8.86
25. CHEMICAL ANALYSIS	8.87	26. CHEMICAL ANALYSIS	8.86	27. CHEMICAL ANALYSIS	8.86
28. Organic Carbon (%)	42	29. Organic Carbon (%)	45	30. Organic Carbon (%)	48

OCEANOGRAPHIC LOG SHEET-R
PRINCNO-3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	35-85	3. SAMPLE TYPE	Phosor
4. LATITUDE	21° 30' N	5. LONGITUDE	158° 36' W	6. DATE (day, month, year)	21-41
7. WATER DEPTH (meters)	2141	8. CORE LENGTH (cm)	72	9. CORE PENETRATION (cm)	91.4
10. LABORATORY NUMBER	7199	11. SUB SAMPLE DEPTH IN CORE (cm)	7200	12. COLOR (by the CCI rock color chart)	7201
13. DOOR (yearly, monthly, weekly, daily, etc.)	7199	14. SIZE ANALYSIS AND STATISTICAL MEASURES	7201	15. CHEMICAL ANALYSIS	7201
16. % SAND	1	17. % SILT	48	18. % CLAY	49
19. PHDI MEDIAN DIAMETER (μm)	50	20. PHDI DEVIATION MEASURE (σ)	8.87	21. PHDI SKEWNESS MEASURE (γ)	8.86
22. PHDI SKEWNESS MEASURE (γ)	8.87	23. PHDI SKEWNESS MEASURE (γ)	8.86	24. PHDI SKEWNESS MEASURE (γ)	8.86
25. CHEMICAL ANALYSIS	8.87	26. CHEMICAL ANALYSIS	8.86	27. CHEMICAL ANALYSIS	8.86
28. Organic Carbon (%)	42	29. Organic Carbon (%)	45	30. Organic Carbon (%)	48

OCEANOGRAPHIC LOG SHEET-R
PRINC-NO:3167/18 (Rev. 4/00)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15
1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15
1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15

OCEANOGRAPHIC LOG SHEET-R
PRINC-NO:3167/18 (Rev. 4/00)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15
1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15

OCEANOGRAPHIC LOG SHEET-R
PRINC-NO:3167/18 (Rev. 4/00)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15
1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15

OCEANOGRAPHIC LOG SHEET-R
PRINC-NO:3167/18 (Rev. 4/00)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15
1. CRUISE NO.	2. SAMPLE NO.	3. SAMPLE NO.	4. LATITUDE	5. LONGITUDE	6. DATE	7. WATER DEPTH (m)	8. CORE LENGTH (m)	9. CORE PENETRATION (m)	10. LABORATORY NUMBER	11. SUB SAMPLE DEPTH IN CORE (cm)	12. COLOR (for the GST rock color chart)	13. DOOR (empty, ready, mark, 1/2, etc.)	14. SIZE ANALYSIS AND STATISTICAL MEASURES	15. CHEMICAL ANALYSIS
00865	BS-36	AS 551	2012	30.8	29 March 1961	724.3	10-15	124.3	Dark Yellowish Brown	10-15	10-15	10-15	10-15	10-15

OCEANOGRAPHIC LOG SHEET-R
PRNC-MNO-3167/18 (Rev. 4-60)

SEIOIMENT ANALYSIS SUMMARY SHEET

1. GUIDE NO.	2. SAMPLE NO.	3. SAMPLE NO. <i>BS-88</i>	4. CONTAINER	5. SAMPLER TYPE
1. LATITUDE	0			
2. LONGITUDE	0			
3. DATE (<i>Year, month, year</i>)	0			
4. LAB. DETERMINATION				
5. LAB. SAMPLE DEPTH IN CORE (cm)				
6. CORE LENGTH (meters)				
7. CORE PENETRATION (cm)				
8. DATE (<i>Year, month, year</i>)				
9. LAB. DETERMINATION				
10. LABORATORY NUMBER				
11. PHI MEDIAN DIAMETER (d_{50})				
12. COUPLER THAN SAND ($<-1 \phi$)				
13. COLOR (muddy, sandy, silty, etc.)				
14. SIZE ANALYSIS AND STATISTICAL MEASURES				
15. CHEMICAL ANALYSIS				
16. PHOSPHORUS MEASURE (μ)				
17. PHOSPHORUS MEASURE (μ)				
18. PHOSPHORUS MEASURE (μ)				
19. PHOSPHORUS MEASURE (μ)				
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95. PHOSPHORUS MEASURE (μ)				
96. PHOSPHORUS MEASURE (μ)				
97. PHOSPHORUS MEASURE (μ)				
98. PHOSPHORUS MEASURE (μ)				
99. PHOSPHORUS MEASURE (μ)				
100. PHOSPHORUS MEASURE (μ)				

OCEANOGRAPHIC LOG SHEET-R
PRNC-NNO-3167/18 (Rev. 4-60)

SEDIMENT ANALYSIS SUMMARY SHEET

1. QUOTE NO.	2. SAMPLE NO.	3. CONTAINER	4. SAMPLER TYPE
1.	78-89	continued	
6. LATITUDE	-	-	-
7. DATE (day, month, year)	-	-	-
8. WATER DEPTH (meters)	-	-	-
9. CORE LENGTH (cm)	-	-	-
10. CORE PENETRATION (cm)	-	-	-
11. LABORATORY NUMBER	7483	7484	7485
12. SUP. SAMPLE DEPTH IN CORE (cm)	14.5-21	24-37.5	38.5-44
13. COLOR (by the color chart)	Dark yellowish brown	Olive Gray	Olive gray
14. COLOR (by the color chart)	10YR4/2	5Y4/1	5Y4/1
15. FIELD LAB. DETERMINATION			
16. DOOR (weight, muddy, sand, S.S., etc.)			
17. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. % COARSE THAN (<- 1 φ)			
b. % SAND	5	2	3
c. % SILT	54	63	43
d. % CLAY	41	44	51
18. SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	Silty Clay
e. PHDI DIAMETER (M. d)	2.33	2.67	2.41
f. PHDI DEVIATION MEASURE (σ d)			
g. PHDI SKENNESS MEASURE (α d)			
19. CHEMICAL ANALYSIS			
a. CaO, %	18	19	20
b. Organic Carbon (%)			

OCEANOGRAPHIC LOG SHEET-R
PRINC-NO.3167/18 (Rev. 440)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00865	2. SAMPLE NO.	35-87	3. SAMPLER TYPE	Phleger
4. LATITUDE	22° 29.9'	5. WATER DEPTH (meters)	51.9	6. DATE (day, month, year)	30 March 1961
7. LONGITUDE	88° 53.0'	8. CORE LENGTH (cm)	91.4	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	7487	11. SUB SAMPLE DEPTH IN CORE (cm)	74-87	12. COLOR (by the CSI and color chart)	
13. DDD (earthly, muddy, sand, H.S. etc.)		14. SIZE ANALYSIS AND STATISTICAL MEASURES		15. LABORATORY NUMBER	
16. % COARSEST THAN SAND (< 1 φ)		17. % SAND		18. % SILT	
19. % CLAY		20. % CLAY		21. % CLAY	
22. % CLAY		23. % CLAY		24. % CLAY	
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OCEANOGRAPHIC LOG SHEET-R
PINCENOS-10718 (REV. 4/69)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00 865	2. SAMPLE NO.	35-91 Station AS 31	3. SAMPLER TYPE	Phleger
4. LATITUDE	22 00 29.8	7. WATER DEPTH (meters)	108.7		
5. LONGITUDE	69 30	8. CORE LENGTH (cm)	31		
6. DATE (day, month, year)	30 March 1961	9. CORE PENETRATION (cm)	91.4		
10. LABORATORY NUMBER	7457	11. SUB SAMPLE DEPTH IN CORE (cm)	7458		
12. COLOR (by the COT rack color chart)	0-5	12. LABORATORY NUMBER	7459		
		13. SUB SAMPLE DEPTH IN CORE (cm)	26-31		
		13. COLOR (by the COT rack color chart)	Grayish Olive		
		14. SIZE ANALYSIS AND STATISTICAL MEASURES	Grayish Olive		
		15. ODD (earth, month, year, 1/2, 3, etc.)	10/4/2		
		16. % COARSER THAN SAND (<= 1 φ)	1		
		17. % SAND	65		
		18. % SILT	14		
		19. % CLAY	19		
		20. SEDIMENT TYPE	Silty Sand		
		21. PHI MEDIAN DIAMETER (φ φ)	3.10		
		22. PHI DEVIATION MEASURE (σ φ)	2.75		
		23. PHI SKENNESS MEASURE (α φ)	4.02		
		24. CHEMICAL ANALYSIS	0.56		
		25. ORGANIC ANALYSIS	75		
		26. ORGANIC CARBON (%)	76		

OCEANOGRAPHIC LOG SHEET-R
PINCENOS-10718 (REV. 4/69)

SEDIMENT ANALYSIS SUMMARY SHEET

1. CRUISE NO.	00 P 65	2. SAMPLE NO.	35-92 Station AS 15	3. SAMPLER TYPE	Orange Peel
4. LATITUDE	23 00 23.9	7. WATER DEPTH (meters)	23.8		
5. LONGITUDE	67 31.9	8. CORE LENGTH (cm)	N		
6. DATE (day, month, year)	31 March 1961	9. CORE PENETRATION (cm)	F		
10. LABORATORY NUMBER		11. SUB SAMPLE DEPTH IN CORE (cm)	1201		
12. COLOR (by the COT rack color chart)		12. LABORATORY NUMBER			
		13. SUB SAMPLE DEPTH IN CORE (cm)	Olive Gray		
		13. COLOR (by the COT rack color chart)	5141		
		14. SIZE ANALYSIS AND STATISTICAL MEASURES			
		15. ODD (earth, month, year, 1/2, 3, etc.)			
		16. % COARSER THAN SAND (<= 1 φ)			
		17. % SAND	4		
		18. % SILT	91		
		19. % CLAY	5		
		20. SEDIMENT TYPE	Silt		
		21. PHI MEDIAN DIAMETER (φ φ)	514		
		22. PHI DEVIATION MEASURE (σ φ)	0.64		
		23. PHI SKENNESS MEASURE (α φ)	0.00		
		24. CHEMICAL ANALYSIS			
		25. ORGANIC ANALYSIS	14		
		26. ORGANIC CARBON (%)			

U. S. Naval Oceanographic Office
RESULTS OF THE PERSIAN GULF-ARABIAN
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1965. 239 p., including 12 figs.,
6 tables. (TR-176).

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Appendix A contains a tabulation of oceanographic data for 261 stations. Appendix B contains current measurement data for 22 locations. Appendix C contains Sediment Analysis Sheets for 110 bottom samples.

1. Persian Gulf - oceanography
2. Arabian Sea - oceanography
3. Persian Gulf - bottom sediments
4. Arabian Sea - bottom sediments
5. Persian Gulf - current measurements
6. Ships - USS REQUISITE

i. Title: Results of the Persian Gulf-Arabian Sea Oceanographic Surveys 1960-61

ii. TR-176

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