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UNIVERSITY OF WASHINGTON
DEPARTMENT OF OCEANOGRAPHY
Seattle 5, Washington

1

Special Report No. 31

PHYSICAL AND CHEMICAL DATA, NORTH PACIFIC OCEAN

GULF OF ALASKA AND BERING SEA

Summer of 1956

by

C. M. Love

A Tabulation of Oceanographic Data

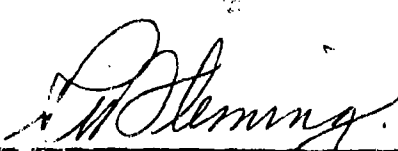
Collected by

Vessels of the U. S. Fish and Wildlife Service

U. S. Fish and Wildlife Service
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Richard H. Fleming
Executive Officer

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Summer of 1956

ERRATA

marks, indicating hand-interpolated values, should be changed as follows:

Station

PAR-35	Add # after salinity at 10 m.
TOR-25	Add # after temperature at 30 m.
TOR-27	Delete # after temperature and salinity at 30 m.

ABSTRACT

This report contains certain physical and chemical data obtained on 212 stations in the North Pacific Ocean, the Gulf of Alaska, and the Bering Sea during the summer of 1956 as part of the exploratory fishing program of the U. S. Fish and Wildlife Service. By contractual arrangement, observers for the Department of Oceanography of the University of Washington were aboard the following chartered vessels engaged in salmon investigations for the International North Pacific Fisheries Commission: M. V. CELTIC, M. V. MITKOF, M. V. PARAGON, and M. V. TORDENSKJOLD.

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M. V. PARAGON	
M. V. TORDENSKJOLD	
M. V. TORDENSKJOLD (King-Crab Stations)	
FIGURES	Inside back cover
Figure 1. Oceanographic and Exploratory Fishing Stations Occupied by Vessels of the U. S. Fish and Wildlife Service, May - September 1956.	
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INTRODUCTION

This report contains oceanographic data collected during the summer of 1956 as part of the exploratory fishing program of the U. S. Fish and Wildlife Service. The Department of Oceanography of the University of Washington contracted with the U. S. Fish and Wildlife Service to make oceanographic observations aboard the four chartered fishing vessels engaged in salmon investigations for the International North Pacific Fisheries Commission. These vessels ranged over areas in the northeast Pacific Ocean, Gulf of Alaska, and Bering Sea. One of the vessels, the M. V. TORDENSKJOLD, divided its time between exploratory salmon fishing and king-crab investigations in the Bering Sea. Preliminary reports of the oceanographic observers on these cruises have been issued previously in narrative form as Special Report No. 27 of Department of Oceanography (1). Oceanographic data collected aboard U. S. Fish and Wildlife Service vessels during the summer and fall of 1955 have been issued by this Department as Special Report No. 28 (2).

Area and Station Numbers

Figure 1 shows the tracks followed and locations of the stations occupied by each vessel. In general, the stations were 60 miles apart in the north-south direction and from 155 to 210 miles (5 degrees of longitude) apart in the east-west direction.

In this report the oceanographic stations have been renumbered to correspond with the revised fishing station (gill-net set) numbers assigned by the Fish and Wildlife Service after the vessels had returned. This renumbering had not been done at the time of issuance of Special Report No. 27; hence, the oceanographic station numbers shown on the map in that report will not correspond to those appearing on Figure 1 herein.

Figure 2 shows the TORDENSKJOLD king-crab stations in more detail. These stations were occupied in consecutive order at two different periods during the summer, but the stations were not renumbered upon return. Thus, the king crab stations bear an independent set of numbers, each number followed by K and either 1 or 2 to designate either the first king-crab run (in July) or the second (in August-September). During the first run an additional station was occupied between Stations 21 and 22. This station logically should be designated as 21AK1. However, on the IBM cards used to process these data the space provided for station number allows for only four digits; therefore the K was dropped and this station was designated 21A1.

Oceanographic Station Procedure

In general, the oceanographic stations were taken one station a day in the early evening after the gill nets had been set for the night. On the TORDENSKJOLD king-crab runs, however, the stations were occupied with greater frequency and the accompanying oceanographic observations were taken at various times of day. On all vessels Nansen bottles were used to collect

water samples, and the temperatures were obtained with reversing thermometers. Salinity samples were collected in citrate-type bottles and returned to the University of Washington laboratories in Seattle for analysis. When Secchi-disc readings were taken, they were usually taken at noon. In these data the noon Secchi-disc reading has been listed with the oceanographic station data collected during the evening of the same day.

Determination of Properties

The depths of subsurface observations were calculated from measured wire angle; from readings of unprotected reversing thermometers; and from curves of wire length minus thermometric depth versus wire length, the difference method described by LaFond (3).

Salinity determinations were run at the Department of Oceanography laboratories using the Knudsen method. Copenhagen standard sea water was used as the standard in these determinations.

The following were computed on the IBM Type 650 Magnetic Drum Data-Processing Machine in the Research Computer Laboratory of the University of Washington: the interpolated values of temperature and salinity at standard oceanographic depths; the density of sea water at atmospheric pressure (σ_t); the specific volume anomaly ($10^5\delta$); and the geopotential anomaly ($\Sigma\Delta$). Methods and procedures developed at the Department of Oceanography were used. The IBM 650 computer uses a three-point interpolation based on Aitken's method of successive iterations as given by Milne (4). The equations used for computing σ_t were taken from LaFond (3), and the equations for $10^5\delta$ and $\Sigma\Delta$ are those used by the U. S. Navy Hydrographic Office in their computer program (5). The procedures described in H. O. Study 111 (6) were used for punching the data on IBM cards.

The interpolation made by the 650 computer is essentially parabolic. Because of the nature of this interpolation certain combinations of observed values will produce manifestly incorrect machine-interpolated values at certain standard depths. For these data this occurs chiefly in the upper layer (50 meters and above) where the properties are sometimes nearly constant and where the spacing of the Nansen bottles, and hence of the observed values, was not as close as might be desired. Some of these incorrect interpolations were noticed during a preliminary check of the computer results; consequently, the machine-interpolated values were re-examined and those clearly incorrect were rejected. Other values, picked off the property-versus-depth curves, were substituted, these hand-interpolated values being marked in the tables by #, after which σ_t , $10^5\delta$, $\Sigma\Delta$ were recomputed on the 650 computer.

PERSONNEL

At Sea

Following is a list of personnel from the Department of Oceanography, assigned to the various vessels to collect oceanographic observations:

<u>Vessel</u>	<u>Observer</u>	<u>Dates Aboard (1956)</u>
CELTIC	Charles C. Kruger Charles A. Pelly	5 July - 8 September 8 - 23 September
MITKOF	Phillip E. Seelinger James Frank Hebard	14 May - 28 June 28 June - 27 September
PARAGON	James R. Helle Basdeo O. Maharajh	5 July - 9 August 12 August - 26 September
TORDENSKJOLD	H. Robert Dursch Donald S. Hanson	15 May - 22 June 21 June - 22 September

Ashore

The following persons, as well as some of the sea-going observers, were engaged ashore in preparation and analysis of the data, including IBM processing:

Chung, Insuk	Student Helper
Gregory, Robert T.	Senior Oceanographer
Henson, Fred D.	Senior Marine Technician
Huckins, Robert N.	Chief Lab Technician - Chemistry
Jackson, Hewitt R.	Senior Draftsman
Kreek, Peter	Engineering Aide
Love, Cuthbert M.	Senior Oceanographer
Martin, Thomas O.	Engineering Aide
McGraw, Elizabeth A.	Engineering Aide
Morse, Betty-Ann	Senior Lab Technician
Riley, Ralph W.	Marine Chemist
Semon, Darrelyn	Marine Aide
Woolf, Anne D.	Senior Marine Technician

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1. Love, Cuthbert M.
1957. Oceanographic observations in the North Pacific aboard vessels of the U. S. Fish and Wildlife Service, summer and fall, 1956. Spec. Rept. 27, Univ. Wash. Dept. Oceanography. 41 pp.
2. Favorite, Felix and Cuthbert M. Love
1957. Northeast Pacific Ocean and Gulf of Alaska physical and chemical data, summer and fall 1955. Spec. Rept. 28, Univ. Wash. Dept. Oceanography. 88 pp.
3. LaFond, E. C.
1951. Processing oceanographic data. H. O. Publication No. 614, U. S. Navy Hydrographic Office, Washington, D. C. 114 pp.
4. Milne, William Edmund
1949. Numerical calculus. Princeton Univ. Press. 393 pp.
5. U. S. Hydrographic Office
1955. Oceanographic data processing by automatic methods. Division of Computation (mimeographed, 31 Jan.). 11 pp.
6. U. S. Hydrographic Office
1956. Machine tabulation of oceanographic data. Division of Oceanography, H. O. Study 111. xvii pp. + 24 appendices.

EXPLANATION OF DATA TABLES

EXPLANATION OF DATA TABLES

The information in the data tables was transcribed directly from IBM cards using an IBM Type 407 accounting machine. A blank space in the tables or headings indicates that no observation was taken. The original data and the interpolated and computed values punched on the cards were recorded or coded in accordance with the procedures used by the U. S. Navy Hydrographic Office (6). Some changes were made in the card form but these do not affect arrangement of the data in this report. Abbreviations and column headings are described below and, where necessary, the Hydrographic Office numerical codes have been reproduced to aid in interpreting the data.

Abbreviations and Headings Used in Data Tables

DATE	Greenwich month, day and year.
HR (Hour)	Greenwich mean time to the nearest hour of the messenger drop on the <u>shallow</u> cast. When the messenger drop occurred at exactly 30 minutes after the hour, the hour has been rounded to the nearest even hour.
LAT (Latitude)	Degrees and minutes.
LONG (Longitude)	Degrees and minutes.
SDG (Depth of water)	Depth of water in meters at station as determined by either echo sounder or chart.
BTMCODE (Bottom type)	No observations taken.
WVEL (Wind velocity)	In meters per second.
DIR (Wind direction)	See code, page 8.
FC (Wind force)	Force of the wind according to the Beaufort Scale. See page 8.
BA (Barometric pressure)	To obtain the barometric pressure in millibars, add 900 if above 50; if below 50, add 1000.
DRY (Air temperature, dry bulb)	In degrees Celsius.
WET (Air temperature, wet bulb)	No observations taken.
RELHU (Relative humidity)	No observations taken.
VIS (Visibility)	Range of visibility. See code, page 8.
WEA (Weather)	State of weather. See code, page 9.

CL (Cloud type) See code, page 10.

AMT (Cloud cover) Amount of cloud cover. See code, page 10.

SEA____DIR____ (Sea state and direction) State of the sea, see code, page 10. Direction from which sea comes. See code, page 8.

SWL____DIR____ (Swell amount and direction) Height and wave length of swell. See code, page 11. Direction from which swell comes. See code, page 8.

SECDI (Water transparency) Depth in meters to which a 12-inch Secchi disc can be seen. During these cruises Secchi-disc observations were usually made at noon, local time. See comments on page 2.

LD (Layer depth) Depth of the mixed surface layer in meters, as read from the bathythermograph trace.

CAST Serial number of the cast at the station from which this sample was obtained. CB indicates a thermometer calibration cast.

DEPTH Depth in meters at which sample was obtained.

TEMP (Temperature) In degrees Celsius.

SAL (Salinity) In parts per thousand (‰).

SIGMA-T (σ_t) Expression for the density of sea water at atmospheric pressure, having the indicated temperature and salinity. To convert tabulated values to density divide by 1000 and add 1; thus, a sigma-t value of 26.51 converts to a density of 1.02651.

SP VOL ANOMALY (Specific volume anomaly, 10^{-5}) The anomaly of specific volume of water at the indicated temperature, salinity, and pressure, compared to a standard water of 0°C temperature and 35 ‰ salinity at the same pressure. (The depth in meters is taken as numerically equal to the pressure in decibars.) Tabular values multiplied by 10^{-5} will give the anomaly in units of cubic centimeters per gram.

GEOPOT ANOMALY (Geopotential anomaly, $\Sigma\Delta$) Geopotential anomaly in dynamic meters of the layer of water between the surface and the indicated depth. (The depth in meters is taken as numerically equal to the pressure in decibars.)

Indicates hand-interpolated values. See page 2.

Codes Used for Reporting Observations

Taken from U. S. Navy Hydrographic Office Study 111
"Machine Tabulation of Oceanographic Data"

Direction (Compass Direction from which Wind, Sea, or Swell is coming)

Code

00 Calm, or no value
01 to 36 Each value represents 1/10 of the true direction in degrees, measured clockwise from the north, with 36 representing true north.

Beaufort Wind Scale

Code	Description	Velocity (knots)
0	Calm	Less than 1
1	Light Air	1 - 3
2	Light Breeze	4 - 6
3	Gentle Breeze	7 - 10
4	Moderate Breeze	11 - 16
5	Fresh Breeze	17 - 21
6	Strong Breeze	22 - 27
7	Moderate Gale	28 - 33
8	Fresh Gale	34 - 40
9	Strong Gale	41 - 47
10	Whole Gale	48 - 55
11	Storm	56 - 63
12	Hurricane	64 - 71
13	Hurricane	72 - 80
14	Hurricane	81 - 89
15	Hurricane	90 - 99
16	Hurricane	100 - 109
17	Hurricane	110 - 118

Visibility

Code	Objects not visible at	Description
0	50 yards	Dense fog
1	200 yards	Thick fog
2	400 yards	Fog
3	1000 yards	Moderate fog
4	1 nautical mile	Thin fog or mist
5	2 nautical miles	Visibility poor
6	5 nautical miles	Visibility moderate
7	10 nautical miles	Visibility good
8	30 nautical miles	Visibility very good
9	over 30	Visibility excellent

NUMERICAL WEATHER CODES—PRESENT WEATHER

00	01	02	03	04	05	06	07	08	09
Cloud development NOT observed or NOT observed during past hour.	Clouds generally developing or becoming more developed 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.	Mass.	Visible dust or suspension in the air, NOT raised by wind, at time of observation.	Dust or sand raised by wind, at time of observation.	Wind decreased during past hour.	Duststorm or sand storm within sight of station during past hour.
10 Light fog.	11 Patches of shallow fog, less than 6 feet on land.	12 More or less continuous fog, less than 6 feet on land.	13 Lightning visible, no thunder heard.	14 Precipitation within sight of station, reaching the ground.	15 Precipitation within sight of station, but distant from station.	16 Precipitation within sight of station, near to station.	17 Thunder heard, but no precipitation at time of observation.	18 Squalls within sight during past hour.	19 Funnel clouds within sight during past hour.
20 Drizzle (NOT freezing rain) during past hour, but NOT at time of observation.	21 Rain (NOT freezing rain) during past hour, but NOT at time of observation.	22 Snow (NOT falling as flakes) during past hour, but NOT at time of observation.	23 Rain and snow (NOT falling as flakes) during past hour, but NOT at time of observation.	24 Freezing drizzle or sleet during past hour, but NOT at time of observation.	25 Showers of rain during past hour, but NOT at time of observation.	26 Showers of snow, or showers of rain and snow, during past hour, but NOT at time of observation.	27 Showers of hail, or of hail and rain, during past hour, but NOT at time of observation.	28 Fog during past hour, but NOT at time of observation.	29 Thunderstorm (with or without rain or hail) during past hour, but NOT at time of observation.
30 Slight or moderate duststorm or sandstorm during past hour.	31 Slight or moderate duststorm or sandstorm during past hour.	32 Slight or moderate duststorm or sandstorm during past hour.	33 Severe duststorm or sandstorm, has decreased during past hour.	34 Severe duststorm or sandstorm, no appreciable change during past hour.	35 Severe duststorm or sandstorm, has increased during past hour.	36 Slight or moderate duststorm or sandstorm, generally increasing during past hour.	37 Heavy drifting snow, generally low.	38 Slight or moderate drifting snow, generally high.	39 Heavy drifting snow, generally high.
40 Fog at distance at time of observation, but NOT at station during past hour.	41 Fog in patches.	42 Fog, sky decimable, has become thinner during past hour.	43 Fog, sky NOT decimable, has become thicker during past hour.	44 Fog, sky decimable, no appreciable change during past hour.	45 Fog, sky NOT decimable, has begun or become thicker during past hour.	46 Fog, sky decimable, has begun or become thicker during past hour.	47 Fog, sky NOT decimable, has begun or become thicker during past hour.	48 Fog, decimating rain, sky not decimable.	49 Fog, decimating rain, sky not decimable.
50 Intermittent drizzle (NOT freezing rain) at time of observation.	51 Continuous drizzle (NOT freezing rain) at time of observation.	52 Intermittent drizzle (NOT freezing rain) at time of observation.	53 Continuous drizzle (NOT freezing rain) at time of observation.	54 Intermittent drizzle (NOT freezing rain) at time of observation.	55 Continuous drizzle (NOT freezing rain) at time of observation.	56 Slight freezing drizzle.	57 Moderate or heavy freezing drizzle.	58 Drizzle and rain, slight.	59 Drizzle and rain, moderate or heavy.
60 Intermittent rain (NOT freezing rain) at time of observation.	61 Continuous rain (NOT freezing rain) at time of observation.	62 Intermittent rain (NOT freezing rain) at time of observation.	63 Continuous rain (NOT freezing rain) at time of observation.	64 Intermittent rain (NOT freezing rain) at time of observation.	65 Continuous rain (NOT freezing rain) at time of observation.	66 Slight freezing rain.	67 Moderate or heavy freezing rain.	68 Rain or drizzle and snow, slight.	69 Rain or drizzle and snow, moderate or heavy.
70 Intermittent fall of snowflakes, slight at time of observation.	71 Continuous fall of snowflakes, slight at time of observation.	72 Intermittent fall of snowflakes, moderate at time of observation.	73 Continuous fall of snowflakes, moderate at time of observation.	74 Intermittent fall of snowflakes, heavy at time of observation.	75 Continuous fall of snowflakes, heavy at time of observation.	76 Ice needles (with or without fog).	77 Granular snow (with or without fog).	78 Isolated stinklike snow crystals (with or without fog).	79 Ice pellets (sleet).
80 Slight rain shower(s).	81 Moderate or heavy rain shower(s).	82 Violent rain shower(s).	83 Slight shower(s) of rain and snow mixed.	84 Moderate or heavy shower(s) of rain and snow mixed.	85 Slight snow shower(s).	86 Moderate or heavy snow shower(s).	87 Slight shower(s) of rain and snow mixed.	88 Moderate or heavy shower(s) of rain and snow mixed.	89 Slight shower(s) of rain and snow mixed.
90 Moderate or heavy shower(s) of hail, with or without rain or snow mixed, not associated with thunder.	91 Slight rain at time of observation, but NOT at time of observation.	92 Moderate or heavy rain at time of observation, but NOT at time of observation.	93 Slight rain or rain shower at time of observation, but NOT at time of observation.	94 Moderate or heavy rain at time of observation, but NOT at time of observation.	95 Slight or moderate thunderstorm, with hail, at time of observation.	96 Slight or moderate thunderstorm, with hail, at time of observation.	97 Heavy thunderstorm, without hail, but with rain or snow at time of observation.	98 Thunderstorm combined with duststorm or sandstorm at time of observation.	99 Heavy thunderstorm with hail at time of observation.

Cloud Type

Code

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

Cloud Amount

Code

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

Sea Amount

Code

Description

Height

0	Calm	0
1	Smooth	Less than one foot
2	Slight	1 to 3 feet
3	Moderate	3 to 5 feet
4	Rough	5 to 8 feet
5	Very Rough	8 to 12 feet
6	High	12 to 20 feet
7	Very High	20 to 40 feet
8	Precipitous	40 feet and over
9	Confused	

Swell Amount

Code	Description	Height in feet	Length in feet
0	No swell	0	0
1	Low short	1 - 6	0 - 600
1	Low average	1 - 6	0 - 600
2	Long low	1 - 6	Above 600
3	Moderate short	6 - 12	0 - 300
4	Moderate average	6 - 12	300 - 600
5	Moderate long	6 - 12	Above 600
6	High short	Above 12	0 - 300
7	High average	Above 12	300 - 600
8	High long	Above 12	Above 600
9	Confused	- - - - -	- - - - -

DATA TABLES
OBSERVED AND INTERPOLATED VALUES

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M.V. CELTIC

STATION CEL-001

OBSERVED VALUES

DATE 07/13/56 HR 08 LAT 53-00N LONG 145-00W SDG BTMCODE
WVEL 05 DIR 14 FC 03 BA 02 DRY 10.5 WET RELHU VIS 7
WEA 49 CL 0 AMT 8 SEA 1 DIR 14 SWL 6 DIR SECDI 15 LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	9.88	32.75	25.24
3	25	7.81	32.85	25.64
3	50	4.25	32.94	26.15
3	75	3.62	33.14	26.37
3	100	3.79	33.36	26.53
1	204	4.14	33.94	26.95
2	285	4.02	33.99	27.00
2	415	3.70	34.11	27.13

STATION CEL-002

OBSERVED VALUES

DATE 07/14/56 HR 07 LAT 52-00N LONG 145-00W SDG BTMCODE
WVEL 06 DIR 14 FC 04 BA 99 DRY 10.8 WET RELHU VIS 3
WEA 20 CL 0 AMT 8 SEA 1 DIR 14 SWL 6 DIR SECDI 8 LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.32	32.66	25.09
2	24	8.80	32.75	25.41
2	48	4.82	32.85	26.02
2	73	4.19	32.90	26.12
2	97	3.74	32.95	26.21
1	205	4.32	33.84	26.85
1	305	3.93	33.97	27.00
1	418	3.73	34.08	27.10

STATION CEL-001

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.88	32.75	25.24	274.0	0.000
10	9.23	32.79	25.37	261.2	0.027
20	8.34	32.83	25.54	245.3	0.052
30	6.86	32.86	25.78	223.3	0.075
50	4.25	32.94	26.15	188.0	0.116
75	3.62	33.14	26.37	167.1	0.160
100	3.79	33.36	26.53	152.3	0.200
150	4.03	33.71	26.78	128.8	0.270
200	4.14	33.93	26.94	113.8	0.331
250	4.08	33.97	26.98	110.6	0.387
300	3.99	34.00	27.01	107.9	0.442
400	3.74	34.09	27.11	99.4	0.546

STATION CEL-002

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.32	32.66	25.09	287.7	0.000
10	9.99	32.70	25.18	279.6	0.028
20	9.22	32.73	25.33	265.7	0.055
30	7.49	32.78	25.63	237.5	0.080
50	4.76	32.85	26.02	200.0	0.124
75	4.14	32.90	26.13	190.2	0.173
100	3.77	32.99	26.23	180.0	0.219
150	4.15	33.48	26.59	147.2	0.301
200	4.32	33.82	26.84	123.9	0.369
250	4.12	33.90	26.92	116.3	0.429
300	3.94	33.96	26.99	110.3	0.486
400	3.74	34.07	27.10	100.9	0.592

STATION CEL-003

OBSERVED VALUES

DATE 07/15/56 HR 08 LAT 51-00N LONG 145-00W SDG B*MCODE
 WVEL 18 DIR 14 FC 08 BA DRY WET RELHU VIS
 WEA 21 CL 7 AMT 8 SEA 5 DIR 14 SWL 9 DIR SECDI LD

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.28	32.68	25.12
2	24	8.88	32.75	25.40
2	48	5.86	32.82	25.87
2	72	4.52	32.84	26.04
2	96	4.17	32.90	26.12
1	202	4.20	33.84	26.87
1	301	3.94	33.98	27.00
1	609	3.48	34.23	27.25
1	1012	2.84	34.40	27.44

STATION CEL-004

OBSERVED VALUES

DATE 07/17/56 HR 07 LAT 50-00N LONG 145-00W SDG B*MCODE
 WVEL 06 DIR 09 FC 04 BA 90 DRY 11.3 WET RELHU VIS 7
 WEA 14 CL 0 AMT 8 SEA 1 DIR 09 SWL 3 DIR SECDI 9 LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.70	32.69	25.05
2	25	10.49	32.71	25.10
2	49	7.67	32.77	25.59
2	74	4.58	32.77	25.98
2	98	4.43	32.82	26.03
1	204	4.20	33.84	26.87
1	303	3.93	33.94	26.97
1	613	3.44	34.22	27.24
1	1018	2.80	34.39	27.44

STATION CEL-003

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.28	32.68	25.12	285.6	0.000
10	9.89	32.71	25.21	277.3	0.028
20	9.23	32.74	25.34	265.1	0.055
30	7.97	32.77	25.55	244.8	0.080
50	5.71	32.82	25.89	212.6	0.126
75	4.47	32.84	26.04	197.9	0.177
100	4.18	32.95	26.16	187.0	0.225
150	4.23	33.48	26.58	148.1	0.309
200	4.20	33.83	26.86	121.9	0.376
250	4.07	33.91	26.93	115.0	0.435
300	3.94	33.98	27.00	108.8	0.491
400	3.79	34.07	27.09	101.4	0.596
500	3.65	34.15	27.17	94.7	0.694
600	3.49	34.22	27.24	88.6	0.786
700	3.34	34.28	27.30	83.2	0.872
800	3.18	34.33	27.36	78.5	0.953
1000	2.86	34.40	27.44	71.1	1.103

STATION CEL-004

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.70	32.69	25.05	291.7	0.000
10	10.63 ^{1/2}	32.69	25.06	290.7	0.029
20	10.55 ^{1/2}	32.70	25.03	288.9	0.058
30	9.91	32.73	25.22	276.5	0.086
50	7.49	32.77	25.62	238.5	0.138
75	4.57	32.77	25.98	204.2	0.193
100	4.43	32.85	26.06	197.0	0.243
150	4.32	33.44	26.54	152.0	0.330
200	4.21	33.82	26.85	122.8	0.399
250	4.07	33.89	26.92	116.5	0.459
300	3.94	33.94	26.97	111.8	0.516
400	3.78	34.04	27.07	103.5	0.624
500	3.62	34.13	27.15	95.9	0.724
600	3.46	34.21	27.23	89.0	0.816
700	3.30	34.28	27.31	82.8	0.902
800	3.14	34.33	27.36	78.1	0.982
1000	2.83	34.39	27.44	71.6	1.132

STATION CEL-005

OBSERVED VALUES

DATE 07/18/56 HR 06 LAT 49-00N LONG 145-00W SDG BTMCDR
 WVCL 05 DIR 09 FC 03 BA 02 DRY 12.1 WET RELHU VIS 2
 WEA 02 CL 0 AMT 7 SEA 2 DIR 09 SWL 3 DIR SECDI 8 LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.99	32.61	24.94
2	25	8.73	32.71	25.39
2	49	6.32	32.71	25.73
2	74	4.13	32.75	26.01
2	98	3.95	32.89	26.14
1	200	4.08	33.82	26.86
1	299	3.90	33.94	26.98
1	606	3.38	34.23	27.26

STATION CEL-006

OBSERVED VALUES

DATE 07/19/56 HR 06 LAT 48-00N LONG 145-00W SDG BTMCDR
 WVCL 06 DIR 14 FC 04 BA 99 DRY 12.4 WET RELHU VIS 6
 WEA 52 CL 7 AMT 3 SEA 1 DIR 14 SWL 3 DIR SECDI 9 LD 21

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.07	32.70	24.81
2	25	9.24	32.65	25.26
2	50	6.55	32.74	25.72
2	75	5.20	32.87	25.99
2	100	5.10	33.04	26.13
1	204	4.98	33.83	26.77
1	303	4.24	33.91	26.92
1	611	3.57	34.17	27.19
1	1015	2.87	34.38	27.42

STATION CEL-005

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.99	32.61	24.94	302.4	0.000
10	10.12	32.66	25.13	284.7	0.029
20	9.20	32.70	25.31	267.6	0.057
30	8.20	32.71	25.47	252.4	0.083
50	6.19	32.71	25.74	226.5	0.131
75	4.12	32.76	26.02	200.5	0.184
100	3.96	32.92	26.16	187.1	0.232
150	4.06	33.47	26.59	147.1	0.316
200	4.08	33.82	26.86	121.4	0.383
250	3.99	33.88	26.92	116.4	0.442
300	3.90	33.94	26.98	111.4	0.499
400	3.72	34.05	27.08	102.1	0.606
500	3.55	34.14	27.17	94.4	0.704
600	3.39	34.23	27.26	86.8	0.795

STATION CEL-006

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.07	32.70	24.81	314.5	0.000
10	10.92	32.66	24.99	297.8	0.031
20	9.79	32.65	25.18	280.4	0.060
30	8.59	32.66	25.37	261.7	0.087
50	6.55	32.74	25.72	228.6	0.136
75	5.20	32.87	25.99	203.4	0.190
100	5.10	33.04	26.13	189.8	0.239
150	5.13	33.51	26.50	155.4	0.325
200	5.00	33.81	26.75	132.1	0.397
250	4.60	33.87	26.85	123.6	0.461
300	4.26	33.91	26.92	117.4	0.521
400	4.02	34.00	27.01	109.0	0.634
500	3.80	34.09	27.11	100.8	0.739
600	3.59	34.16	27.18	94.1	0.836
700	3.40	34.23	27.26	87.6	0.927
800	3.22	34.29	27.32	81.9	1.012
1000	2.89	34.37	27.41	73.7	1.168

STATION CEL-007

OBSERVED VALUES

DATE 07/21/56 HR 01 LAT 48-00N LONG 150-00W SDG BTMCODE
 WVEL 06 DIR 22 FC 04 BA 88 DRY 11.5 WET RELHU VIS 5
 WEA 50 CL 0 AMT 5 SEA 1 DIR 22 SWL 3 DIR SECDI 12 LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.10	32.67	24.97
2	24	7.46	32.66	25.54
2	47	6.17	32.73	25.76
2	71	4.69	32.77	25.97
2	95		32.75	
1	196	4.86	33.75	26.72
1	292	4.37	33.96	26.94
1	587	3.66	34.18	27.19
1	974	2.95	34.37	27.41

STATION CEL-008

OBSERVED VALUES

DATE 07/22/56 HR 07 LAT 49-00N LONG 150-00W SDG BTMCODE
 WVEL 08 DIR 20 FC 04 BA 89 DRY 11.6 WET RELHU VIS 4
 WEA 50 CL 0 AMT 7 SEA 2 DIR 20 SWL 3 DIR SECDI 10 LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.26	32.57	25.03
2	25	8.32	32.63	25.39
2	50	6.19	32.72	25.75
2	75		32.76	
2	100	4.39	32.81	26.03
1	205	4.24	33.79	26.82
1	305	4.10	33.96	26.97
1	615	3.48	34.22	27.24
1	1020	2.82	34.42	27.46

STATION CEL-007

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.10	32.67	24.97	299.8	0.000
10	9.30	32.66	25.26	271.9	0.029
20	7.90	32.66	25.47	251.8	0.055
30	7.14	32.68	25.60	240.3	0.080
50	5.96	32.74	25.80	221.5	0.126
75	4.71	32.76	25.96	206.4	0.179
100	4.81	32.82	25.99	203.2	0.230
150	4.90	33.39	26.43	161.9	0.321
200	4.84	33.76	26.73	134.0	0.395
250	4.57	33.88	26.86	122.6	0.459
300	4.35	33.97	26.95	113.9	0.518
400	4.09	34.05	27.04	106.0	0.628
500	3.85	34.12	27.12	99.1	0.731
600	3.63	34.19	27.20	92.3	0.827
700	3.43	34.25	27.27	86.4	0.916
800	3.24	34.30	27.33	81.4	1.000

STATION CEL-008

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.26	32.57	25.03	293.4	0.000
10	9.51	32.59	25.17	280.3	0.029
20	8.72	32.62	25.32	266.4	0.056
30	7.83	32.65	25.48	251.7	0.082
50	6.19	32.72	25.75	225.8	0.130
75	4.97#	32.76	25.93	209.2	0.184
100	4.39	32.81	26.03	199.6	0.235
150	4.32	33.38	26.49	156.5	0.324
200	4.25	33.76	26.80	127.7	0.395
250	4.18	33.87	26.89	119.1	0.457
300	4.11	33.95	26.96	112.9	0.515
400	3.90	34.05	27.06	104.0	0.623
500	3.70	34.13	27.15	96.7	0.723
600	3.51	34.21	27.23	89.5	0.816
700	3.33	34.28	27.30	83.1	0.902
800	3.16	34.33	27.36	78.3	0.983
1000	2.85	34.41	27.45	70.3	1.132

STATION CEL-009

OBSERVED VALUES

DATE 07/23/56 HR 06 LAT 50-00N LONG 150-00W SDG BTMCODE
 WVCL 05 DIR 22 FC 03 BA 97 DRY 10.7 WET RELHU VIS 5
 WEA 02 CL 7 AMT 5 SEA 1 DIR 22 SWL 3 DIR SECDI 15 LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.30	32.60	25.05
2	25	8.26	32.65	25.41
2	50	5.56	32.74	25.84
2	74	3.78	32.95	26.20
2	99	3.57	33.10	26.34
1	201	3.97	33.87	26.91
1	300	3.84	34.01	27.04
1	606	3.38	34.22	27.25
1	1009	2.75	34.40	27.45

STATION CEL-010

OBSERVED VALUES

DATE 07/24/56 HR 05 LAT 51-00N LONG 150-00W SDG BTMCODE
 WVCL 03 DIR 22 FC 02 BA 07 DRY 12.5 WET RELHU VIS 6
 WEA 02 CL 0 AMT 6 SEA 1 DIR 22 SWL 3 DIR SECDI 13 LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.75	32.58	24.96
2	25	7.73	32.69	25.52
2	50	4.91	32.76	25.93
2	75	3.63	32.85	26.14
2	100	3.72		
1	200	3.93	33.91	26.95
1	304	3.80	34.02	27.05
1	613	3.30	34.26	27.29
1	1017	2.70	34.38	27.44

STATION CEL-009

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.30	32.60	25.05	291.8	0.000
10	9.56	32.62	25.19	278.8	0.029
20	8.72	32.64	25.34	264.9	0.056
30	7.65	32.66	25.51	248.6	0.082
50	5.56	32.74	25.84	216.9	0.129
75	3.77	32.96	26.21	182.1	0.179
100	3.58	33.11	26.35	169.2	0.223
150	3.84	33.56	26.68	138.2	0.300
200	3.97	33.87	26.91	116.6	0.364
250	3.91	33.94	26.97	111.1	0.421
300	3.84	34.01	27.04	105.6	0.475
400	3.69	34.09	27.12	98.8	0.577
500	3.54	34.15	27.18	93.6	0.673
600	3.39	34.22	27.25	87.5	0.764
700	3.24	34.27	27.30	82.9	0.849
800	3.08	34.32	27.36	78.2	0.930
1000	2.76	34.40	27.45	70.1	1.078

STATION CEL-010

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.75	32.58	24.96	300.6	0.000
10	9.52	32.63	25.20	277.5	0.029
20	8.32	32.67	25.42	256.9	0.056
30	7.04	32.70	25.63	237.5	0.081
50	4.91	32.76	25.93	208.3	0.126
75	3.63	32.85	26.14	189.1	0.176
100	3.72	33.01#	26.26	178.0	0.222
150	3.87	33.61	26.72	134.7	0.300
200	3.93	33.91	26.95	113.2	0.362
250	3.87	33.96	26.99	109.2	0.418
300	3.81	34.02	27.05	104.5	0.471
400	3.64	34.11	27.14	96.8	0.572
500	3.48	34.19	27.22	90.0	0.665
600	3.32	34.25	27.28	84.6	0.752
700	3.17	34.30	27.33	80.0	0.834
800	3.01	34.34	27.38	76.0	0.912
1000	2.72	34.38	27.44	71.1	1.059

STATION CEL-011

OBSERVED VALUES

DATE 07/25/56 HR 06 LAT 52-00N LONG 150-00W SDG BTM CODE
 WVEL 05 DIR 22 FC 03 BA 12 DRY 10.3 WET RELHU VIS 5
 WEA 02 CL 7 AMT 7 SEA 1 DIR 22 SWL 3 DIR SECDI 29 LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.29	32.65	25.09
2	25	8.79	32.69	25.37
2	49	5.01	32.89	26.03
2	74	3.72	32.95	26.21
2	99	3.66	33.36	26.54
1	200	3.97	33.90	26.94
1	298	3.84	34.02	27.05
1	583	3.33	34.23	27.26

STATION CEL-012

OBSERVED VALUES

DATE 07/26/56 HR 04 LAT 53-00N LONG 150-00W SDG BTM CODE
 WVEL 05 DIR 32 FC 03 BA 14 DRY 10.6 WET RELHU VIS 5
 WEA 02 CL 7 AMT 6 SEA 1 DIR 32 SWL 3 DIR SECDI 12 LD 23

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.22	32.77	25.20
2	25	7.45	32.84	25.68
2	50	4.35	32.97	26.16
2	75	3.08	33.13	26.41
2	99	3.01	33.24	26.50
1	205	3.98	33.97	26.99
1	305	3.79	34.08	27.10
1	615	3.29	34.27	27.30
1	1020	2.68	34.41	27.46

STATION CEL-011

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.29	32.65	25.09	287.9	0.000
10	9.99	32.65	25.14	283.3	0.029
20	9.29	32.67	25.27	271.2	0.057
30	7.80	32.74	25.55	244.6	0.083
50	4.93	32.89	26.03	198.8	0.127
75	3.72	32.97	26.22	180.9	0.174
100	3.67	33.37	26.55	150.4	0.215
150	3.8	33.69	26.78	128.7	0.285
200	3.97	33.90	26.94	114.3	0.346
250	3.91	33.96	26.99	109.6	0.402
300	3.84	34.02	27.05	104.8	0.456
400	3.68	34.12	27.14	96.5	0.557
500	3.50	34.19	27.21	90.2	0.650

STATION CEL-012

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.22	32.77	25.20	277.9	0.000
10	9.15	32.79	25.39	260.0	0.027
20	8.03	32.82	25.58	241.7	0.052
30	6.68	32.86	25.80	221.0	0.075
50	4.35	32.97	26.16	186.8	0.116
75	3.08	33.13	26.41	163.1	0.160
100	3.02	33.25	26.51	153.6	0.200
150	3.63	33.67	26.79	127.9	0.270
200	3.96	33.95	26.98	110.5	0.330
250	3.89	34.02	27.04	104.9	0.384
300	3.80	34.07	27.09	100.7	0.435
400	3.63	34.15	27.17	93.7	0.532
500	3.47	34.21	27.23	88.4	0.623
600	3.31	34.26	27.29	83.7	0.709
700	3.16	34.31	27.34	79.1	0.790
800	3.01	34.35	27.39	75.2	0.867
1000	2.71	34.41	27.46	68.8	1.011

STATION CEL-013

OBSERVED VALUES

DATE 07/31/56 HR 07 LAT 59-00N LONG 145-00W SDG BTMCODE
 WVCL 03 DIR 22 FC 02 BA 98 DRY 14.0 WET RELHU VIS 5
 WEA 02 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI 8 LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	14.08	32.53	24.29
2	25	8.06	32.56	25.37
2	50	5.43	32.67	25.80
2	75	4.28	32.78	26.02
2	100	4.10	32.91	26.14
1	203	5.18	33.82	26.74
1	302	4.44	33.94	26.92
1	611	3.82	34.20	27.19
1	1015	3.00	34.38	27.41

STATION CEL-014

OBSERVED VALUES

DATE 08/01/56 HR 07 LAT 58-10N LONG 144-55W SDG BTMCODE
 WVCL 13 DIR 20 FC 06 BA 88 DRY 12.0 WET RELHU VIS 7
 WEA 02 CL 0 AMT 1 SEA 2 DIR 20 SWL 3 DIR 20 SECDI LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	13.02	32.70	24.63
2	25	8.17	32.75	25.51
2	50	5.14	32.91	26.03
2	75	4.08	32.98	26.20
2	100	3.64	33.08	26.32
1	203	4.70	33.88	26.84
1	302	4.32	34.03	27.00
1	606	3.67	34.22	27.22
1	1001	2.90	34.37	27.41

STATION CEL-013

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	14.08	32.53	24.29	364.7	0.000
10	11.27	32.53	24.83	313.3	0.034
20	8.99	32.55	25.23	275.6	0.063
30	7.42	32.58	25.48	251.5	0.089
50	5.43	32.67	25.80	220.7	0.136
75	4.28	32.78	26.02	200.6	0.189
100	4.10	32.91	26.14	189.2	0.238
150	4.86	33.45	26.49	157.0	0.325
200	5.18	33.80	26.73	134.8	0.398
250	4.80	33.88	26.83	125.1	0.463
300	4.45	33.94	26.92	117.2	0.524
400	4.24	34.03	27.01	109.1	0.637
500	4.04	34.12	27.10	101.1	0.742
600	3.84	34.19	27.18	94.6	0.840
700	3.64	34.26	27.26	88.0	0.931
800	3.44	34.31	27.32	82.8	1.016
1000	3.03	34.38	27.41	74.5	1.173

STATION CEL-014

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.02	32.70	24.63	331.9	0.000
10	10.86	32.71	25.04	293.1	0.031
20	8.99	32.73	25.37	262.2	0.059
30	7.41	32.79	25.65	235.7	0.084
50	5.14	32.91	26.03	199.5	0.128
75	4.08	32.98	26.20	183.5	0.176
100	3.64	33.08	26.32	172.0	0.220
150	4.34	33.55	26.62	143.9	0.299
200	4.69	33.87	26.84	124.1	0.366
250	4.51	33.96	26.93	115.9	0.426
300	4.33	34.03	27.00	109.2	0.482
400	4.10	34.10	27.08	102.4	0.588
500	3.89	34.16	27.15	96.5	0.687
600	3.68	34.22	27.22	90.6	0.781
700	3.48	34.27	27.28	85.5	0.869
800	3.28	34.31	27.33	81.1	0.952
1000	2.90	34.37	27.41	73.8	1.107

STATION CEL-015

OBSERVED VALUES

DATE 08/02/56 HR 07 LAT 57-00N LONG 145-00W SDG BTMCODE
 WVEL 05 DIR 25 FC 03 BA 92 DRY 12.2 WET RELHU VIS 5
 WEA 02 CL 0 AMT 8 SEA 1 DIR 25 SWL 3 DIR 22 SECDI 14 LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.47	32.78	24.80
2	25	8.48	32.79	25.49
2	48	4.70	32.91	26.08
1	197	4.98	33.87	26.80
1	294	4.26	33.95	26.95
1	593	3.16	34.21	27.26
1	981	2.98	34.37	27.41

STATION CEL-016

OBSERVED VALUES

DATE 08/03/56 HR 06 LAT 56-00N LONG 145-00W SDG BTMCODE
 WVEL 05 DIR 22 FC 03 BA 92 DRY 12.0 WET RELHU VIS 6
 WEA 50 CL 0 AMT 5 SEA 1 DIR 22 SWL 1 DIR 22 SECDI 14 LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.22	32.85	24.90
2	24	8.83	32.87	25.50
2	48	4.95	32.94	26.07
2	73	3.64	33.03	26.28
2	97	3.39	33.12	26.37
1	196	4.66	33.89	26.86
1	289	4.35	33.97	26.95
1	590	3.66	34.21	27.21
1	985	2.89	34.40	27.44

STATION CEL-015

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.47	32.78	24.80	315.8	0.000
10	10.89	32.77	25.08	289.1	0.030
20	9.29	32.78	25.36	263.0	0.058
30	7.57	32.82	25.65	235.6	0.083
50	4.71	32.93	26.09	193.4	0.126
75	4.88	33.16	26.25	178.2	0.172
100	4.99	33.36	26.40	164.6	0.215
150	5.07	33.68	26.64	142.0	0.292
200	4.95	33.87	26.81	127.0	0.359
250	4.56	33.91	26.88	120.2	0.421
300	4.23	33.96	26.96	113.4	0.479
400	3.77	34.06	27.08	101.9	0.587
500	3.41	34.14	27.18	93.0	0.684
600	3.14	34.21	27.26	85.7	0.773
700	2.97	34.27	27.33	80.1	0.856
800	2.89	34.32	27.37	76.2	0.934

STATION CEL-016

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.22	32.85	24.90	306.1	0.000
10	10.87	32.85	25.15	282.9	0.029
20	9.43	32.86	25.40	259.2	0.056
30	7.62	32.89	25.69	231.0	0.081
50	4.81	32.95	26.10	193.0	0.123
75	3.61	33.04	26.29	174.6	0.169
100	3.45	33.15	26.39	165.0	0.211
150	4.28	33.62	26.68	138.1	0.287
200	4.65	33.89	26.86	122.2	0.352
250	4.47	33.94	26.92	117.0	0.412
300	4.32	33.98	26.96	112.9	0.469
400	4.09	34.07	27.06	104.5	0.578
500	3.86	34.15	27.15	96.9	0.679
600	3.64	34.22	27.22	90.2	0.773
700	3.43	34.28	27.29	84.2	0.860
800	3.23	34.33	27.35	79.0	0.942

STATION CEL-017

OBSERVED VALUES

DATE 08/04/56 HR 05 LAT 55-00N LONG 145-00W SDG BTMCODE
 WVCL 03 DIR 22 FC 02 BA 94 DRY 12.5 WET RELHU VIS 6
 WEA 02 CL 0 AMT 4 SEA 1 DIR 22 SWL 3 DIR 22 SECDI 22 LD 18

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.96	32.31	24.92
2	25	8.11	32.84	25.59
2	50	4.27	32.91	26.12
2	75	3.68	33.03	26.27
2	100	2.83	33.30	26.57
1	205	4.30	33.91	26.91
1	304	4.02	34.01	27.02
1	611	3.49	34.23	27.25
1	1012	2.83	34.39	27.44

STATION CEL-018

OBSERVED VALUES

DATE 08/05/56 HR 07 LAT 54-00N LONG 145-00W SDG BTMCODE
 WVCL 08 DIR 04 FC 04 BA 98 DRY 10.1 WET RELHU VIS 6
 WEA 02 CL 0 AMT 3 SEA 1 DIR 04 SWL 3 DIR 14 SECDI 22 LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	11.30	32.80	25.03
3	25	10.84	32.84	25.14
3	50		32.97	
3	75	3.66	33.03	26.28
3	100	2.74	33.21	26.50
1	196	3.98	33.91	26.94
2	292	3.88	34.03	27.05
2	590	3.28	34.24	27.28
2	987	2.74	34.40	27.45

STATION CEL-017

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	11.96	32.81	24.92	304.4	0.000
10	10.42	32.82	25.20	277.7	0.029
20	8.88	32.83	25.46	253.2	0.056
30	7.08	32.85	25.74	226.9	0.080
50	4.27	32.91	26.12	190.5	0.122
75	3.68	33.03	26.27	176.0	0.168
100	2.83	33.30	26.57	148.3	0.209
150	3.76	33.66	26.77	129.9	0.279
200	4.27	33.89	26.90	118.2	0.341
250	4.17	33.96	26.96	112.3	0.399
300	4.03	34.01	27.02	107.5	0.454
400	3.85	34.09	27.10	100.5	0.558
500	3.68	34.16	27.17	94.3	0.655
600	3.51	34.22	27.24	88.8	0.747
700	3.34	34.28	27.30	83.2	0.833
800	3.17	34.32	27.35	79.2	0.914
1000	2.85	34.39	27.43	71.8	1.065

STATION CEL-018

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	11.30	32.80	25.03	293.7	0.000
10	11.37	32.81	25.03	294.3	0.029
20	11.10	32.82	25.08	289.2	0.058
30	9.80	32.87	25.34	264.4	0.086
50	7.30#	32.97	25.80	221.1	0.135
75	3.66	33.03	26.28	175.8	0.185
100	2.74	33.21	26.50	154.3	0.226
150	3.55	33.65	26.78	128.6	0.297
200	3.98	33.92	26.95	112.9	0.357
250	3.93	33.98	27.00	108.3	0.412
300	3.86	34.04	27.06	103.5	0.465
400	3.64	34.11	27.14	96.8	0.565
500	3.44	34.18	27.21	90.3	0.659
600	3.26	34.25	27.28	83.9	0.746
700	3.10	34.30	27.34	79.2	0.828
800	2.96	34.34	27.38	75.4	0.905

STATION CEL-019

OBSERVED VALUES

DATE 08/07/56 HR 06 LAT 54-00N LONG 150-00W SDG
 WVEL 10 DIR 22 FC 05 BA 97 DRY 11.5 WET RELHU BTMCODE
 WEA 02 CL 0 AMT 8 SEA 1 DIR 22 SWL 3 DIR SEC DI 20 LD 24 VIS 5

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.04	32.90	25.16
2	25	7.64	32.94	25.73
2	50	3.47	33.09	26.34
2	75	2.82	33.18	26.47
3	100	2.95	33.33	26.58
1	203	4.01	33.93	26.96
1	302	3.80	34.07	27.09
1	607	3.29	34.27	27.30
1	1002	2.70	34.41	27.46

STATION CEL-020

OBSERVED VALUES

DATE 08/08/56 HR 06 LAT 55-00N LONG 150-00W SDG
 WVEL 00 DIR 18 FC 01 BA 98 DRY 12.8 WET RELHU BTMCODE
 WEA 02 CL 0 AMT 8 SEA 1 DIR 18 SWL 3 DIR 22 SEC DI 18 VIS 4 LD 18

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.95	32.94	25.02
2	25	10.73	32.99	25.28
2	50	4.88	33.09	26.20
2	75	3.12	33.18	26.45
2	100	2.98	33.38	26.62
1	204	4.01	34.01	27.02
1	303	3.86	34.08	27.09
1	608	3.29	34.26	27.29
1	1004	2.68	34.41	27.46

STATION CEL-019

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.04	32.90	25.16	281.8	0.000
10	9.77	32.90	25.37	261.3	0.027
20	8.38	32.92	25.61	239.2	0.052
30	6.52	32.97	25.91	210.8	0.075
50	3.47	33.09	26.34	169.4	0.113
75	2.82	33.18	26.47	157.1	0.154
100	2.95	33.33	26.58	147.0	0.192
150	3.63	33.68	26.80	127.1	0.261
200	4.00	33.92	26.95	113.1	0.321
250	3.91	34.00	27.02	106.6	0.376
300	3.80	34.07	27.09	100.7	0.428
400	3.63	34.14	27.16	94.5	0.526
500	3.46	34.21	27.23	88.3	0.617
600	3.30	34.27	27.30	82.9	0.703
700	3.14	34.31	27.34	78.9	0.784
800	2.99	34.36	27.40	74.3	0.861
1000	2.70	34.41	27.46	68.7	1.004

STATION CEL-020

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.95	32.94	25.02	294.7	0.000
10	12.02	32.95	25.02	295.4	0.030
20	11.34	32.98	25.16	281.5	0.059
30	9.23	33.01	25.55	245.2	0.085
50	4.88	33.09	26.20	183.2	0.128
75	3.12	33.18	26.45	159.7	0.171
100	2.98	33.38	26.62	143.5	0.209
150	3.63	33.75	26.85	121.9	0.275
200	3.99	34.00	27.01	107.0	0.332
250	3.94	34.04	27.05	103.9	0.385
300	3.86	34.08	27.09	100.5	0.436
400	3.67	34.14	27.16	94.9	0.534
500	3.48	34.20	27.22	89.2	0.626
600	3.30	34.26	27.29	83.6	0.712
700	3.14	34.30	27.34	79.7	0.794
800	2.98	34.34	27.38	75.7	0.872
1000	2.69	34.41	27.46	68.6	1.016

STATION CEL-021

OBSERVED VALUES

DATE 08/09/56 HR 05 LAT 56-00N LONG 150-00W SDG BTMCODE
 WVEL 02 DIR 11 FC 01 BA 98 DRY 13.2 WET RELHU VIS 4
 WEA 02 CL 0 AMT 8 SEA 1 DIR 11 SWL 2 DIR 14 SECDI 18 LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.62	32.94	24.89
2	25	7.58	33.02	25.80
2	50	4.13	33.11	26.29
2	75	3.07	33.20	26.47
2	100	2.94	33.31	26.57
1	204	4.30	33.95	26.94
1	303	4.26	34.05	27.03
1	611	3.68	34.26	27.25
1	1015	2.77	34.42	27.46

STATION CEL-022

OBSERVED VALUES

DATE 08/10/56 HR 06 LAT 57-00N LONG 150-00W SDG BTMCODE
 WVEL DIR FC BA 11 DRY 15.0 WET RELHU VIS 6
 WEA 02 CL 0 AMT 3 SEA 1 DIR SWL DIR SECDI 24 LD 13

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	12.74	32.90	24.84
3	25	6.34	32.90	25.87
3	50	4.86	32.94	26.08
3	75	3.84	33.07	26.29
3	100	3.41	33.16	26.40
1	183	4.76	33.76	26.74
1	273	4.26	33.99	26.98
1	557	3.54	34.24	27.25
2	1058	2.56	34.43	27.49

STATION CEL-021

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	12.62	32.94	24.89	306.8	0.000
10	10.41	32.97	25.32	266.4	0.029
20	8.46	33.00	25.66	234.4	0.054
30	6.70	33.04	25.94	207.8	0.076
50	4.13	33.11	26.29	174.1	0.114
75	3.07	33.20	26.47	157.7	0.155
100	2.94	33.31	26.57	148.4	0.193
150	3.77	33.69	26.79	127.7	0.262
200	4.27	33.94	26.94	114.4	0.323
250	4.29	34.00	26.98	110.6	0.379
300	4.26	34.05	27.03	107.0	0.433
400	4.09	34.12	27.10	100.8	0.537
500	3.90	34.19	27.17	94.4	0.635
600	3.70	34.25	27.24	88.6	0.726
700	3.49	34.31	27.31	82.6	0.812
800	3.28	34.35	27.36	78.1	0.892
1000	2.81	34.42	27.46	69.1	1.039

STATION CEL-022

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	12.74	32.90	24.84	312.0	0.000
10	9.59	32.90	25.40	258.5	0.029
20	7.23	32.90	25.76	225.0	0.053
30	6.01	32.90	25.92	209.9	0.075
50	4.86	32.94	26.08	194.3	0.115
75	3.84	33.07	26.29	174.5	0.161
100	3.41	33.16	26.40	163.9	0.203
150	4.43	33.57	26.63	143.4	0.280
200	4.66	33.81	26.79	128.3	0.348
250	4.38	33.94	26.93	116.0	0.409
300	4.19	34.02	27.01	108.5	0.465
400	3.92	34.11	27.11	99.7	0.569
500	3.67	34.20	27.21	91.2	0.664
600	3.44	34.27	27.28	84.3	0.752
700	3.22	34.33	27.35	78.3	0.833
800	3.02	34.37	27.40	73.8	0.909
1000	2.65	34.42	27.48	67.4	1.050

STATION CEL-023

OBSERVED VALUES

DATE 08/11/56 HR 05 LAT 58-00N LONG 150-00W SDG 230 BTMCODE
 WVEL 04 DIR 22 FC 03 BA 12 DRY 11.7 WET RELHU VIS 7
 WEA 02 CL AMT 0 SEA 1 DIR 22 SWL 3 DIR SECDI 9 LD 11

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	10.16	32.40	24.92
1	26	7.70	32.58	25.44
1	46	6.55	32.70	25.69
1	62	5.59	32.84	25.92
1	72	4.71	32.95	26.11

STATION CEL-024

OBSERVED VALUES

DATE 08/17/56 HR 07 LAT 55-00N LONG 155-00W SDG RELHU BTMCODE
 WVEL 21 DIR 36 FC 08 BA 82 DRY 12.2 WET VIS 4
 WEA 50 CL 0 AMT 8 SEA 2 DIR 36 SWL 3 DIR SECDI LD 20

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.84	32.83	24.96
2	25	7.70	32.93	25.71
2	50	4.04	33.07	26.27
2	75	2.78	33.18	26.48
2	100	3.08	33.40	26.62
1	191	4.04	33.94	26.96
1	284	3.93	34.05	27.06
1	574	3.24	34.26	27.29
1	952	2.80	34.41	27.45

STATION CEL-023

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.16	32.40	24.92	304.4	0.000
10	9.08	32.47	25.15	282.7	0.029
20	8.17	32.54	25.34	264.5	0.056
30	7.47	32.60	25.49	250.6	0.082
50	6.36	32.73	25.74	227.1	0.130

STATION CEL-024

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.84	32.83	24.96	300.8	0.000
10	10.13	32.87	25.29	269.3	0.029
20	8.49	32.91	25.58	241.5	0.055
30	6.78	32.96	25.86	214.8	0.078
50	4.04	33.07	26.27	176.2	0.117
75	2.78	33.18	26.48	156.8	0.159
100	3.08	33.40	26.62	142.9	0.196
150	3.74	33.75	26.84	122.9	0.262
200	4.03	33.95	26.97	111.2	0.321
250	3.98	34.01	27.02	106.6	0.375
300	3.88	34.06	27.07	102.2	0.427
400	3.62	34.14	27.16	94.4	0.525
500	3.39	34.21	27.24	87.5	0.616
600	3.19	34.27	27.31	81.7	0.701
700	3.04	34.33	27.37	76.4	0.780
800	2.91	34.37	27.41	72.7	0.855

STATION CEL-025

OBSERVED VALUES

DATE 08/18/56 HR 05 LAT 54-00N LONG 155-00W SDG BTMCODE
 WVEL 03 DIR 04 FC 02 BA 83 DRY 13.6 WET RELHU VIS 7
 WEA 02 CL 0 AMT 2 SEA 1 DIR 04 SWL 3 DIR 04 SECDI 20 LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.41	32.84	24.86
2	25	8.18	32.98	25.68
2	50	4.09	33.09	26.28
2	75	2.76	33.18	26.48
2	100	2.70	33.37	26.63
1	204	4.02	33.98	27.00
1	303	3.84	34.08	27.09
1	603	3.33	34.30	27.32
1	993	2.69	34.43	27.48

STATION CEL-026

OBSERVED VALUES

DATE 08/19/56 HR 06 LAT 53-00N LONG 155-00W SDG BTMCODE
 WVEL 03 DIR 09 FC 02 BA 81 DRY 12.1 WET RELHU VIS 5
 WEA 02 CL 0 AMT 8 SEA 1 DIR 09 SWL 3 DIR 09 SECDI 11 LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	12.42	32.79	24.82
3	25	8.52	32.84	25.52
3	50	3.29	33.13	26.39
3	75	2.63	33.20	26.50
1	205	4.04	33.98	26.99
1	308	3.91	34.05	27.06
1	615	3.38	34.26	27.28
2	871		34.42	

STATION CEL-025

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.41	32.84	24.86	310.3	0.000
10	10.70	32.90	25.22	276.4	0.029
20	9.01	32.95	25.53	246.2	0.055
30	7.14	33.00	25.85	216.5	0.078
50	4.09	33.09	26.28	175.2	0.117
75	2.76	33.18	26.48	156.6	0.158
100	2.70	33.37	26.63	141.9	0.195
150	3.53	33.73	26.85	122.4	0.261
200	4.00	33.97	26.99	109.4	0.319
250	3.94	34.03	27.04	104.7	0.373
300	3.85	34.08	27.09	100.4	0.424
400	3.67	34.16	27.17	93.4	0.521
500	3.50	34.24	27.25	86.4	0.611
600	3.33	34.30	27.32	80.9	0.695
700	3.17	34.35	27.37	76.2	0.774
800	3.00	34.39	27.42	72.1	0.848

STATION CEL-026

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.42	32.79	24.82	314.2	0.000
10	11.02	32.78	25.07	290.6	0.030
20	9.41	32.81	25.36	262.6	0.058
30	7.11	32.92	25.79	222.7	0.082
50	3.29	33.13	26.39	164.8	0.121
75	2.63	33.20	26.50	154.1	0.161
100	3.04	33.41	26.64	141.7	0.198
150	3.66	33.74	26.84	122.9	0.264
200	4.02	33.96	26.98	110.3	0.322
250	3.99	34.01	27.02	106.7	0.376
300	3.92	34.04	27.05	104.1	0.429
400	3.70#	34.11	27.13	97.5	0.530
500	3.53#	34.18	27.20	91.2	0.624
600	3.41#	34.25	27.27	85.7	0.712
700		34.31			
800		34.38			

STATION CEL-028

OBSERVED VALUES

DATE 08/21/56 HR 05 LAT 52-00N LONG 155-00W SDG BTMCD E
 WVCL 06 DIR 22 FC 04 BA 82 DRY 11.4 WET RELHU VIS 6
 WEA 02 CL 9 AMT 2 SEA 1 DIR 22 SWL 3 DIR 22 SECDI LD 34

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.26	32.82	25.05
2	25	11.20	32.81	25.06
2	49	4.21	32.98	26.18
2	73	3.05	33.20	26.47
3	98	3.08	33.49	26.70
1	192	4.16	33.94	26.95
1	286	3.96	34.05	27.06
1	576	2.96	34.25	27.31
1	952	2.68	34.41	27.46

STATION CEL-029

OBSERVED VALUES

DATE 08/22/56 HR 06 LAT 51-00N LONG 155-00W SDG BTMCD E
 WVCL 13 DIR 20 FC 06 BA 83 DRY 11.2 WET RELHU VIS 6
 WEA 03 CL 9 AMT 4 SEA 2 DIR 20 SWL 3 DIR 22 SECDI 13 LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.49	32.74	24.95
2	25	8.82	32.83	25.47
2	50	4.06	32.98	26.20
2	75	3.26	33.20	26.45
3	100	2.63	33.50	26.74
1	199	3.88	34.00	27.03
1	297	3.74	34.10	27.12
1	599	3.22	34.30	27.33
1	994	2.65	34.43	27.48

STATION CEL-028

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.26	32.82	25.05	291.5	0.000
10	11.23#	32.81#	25.05	291.9	0.029
20	11.21#	32.80	25.05	292.5	0.058
30	9.26	32.84	25.41	258.3	0.086
50	4.14	32.99	26.20	183.2	0.130
75	3.05	33.23	26.49	155.3	0.172
100	3.12	33.50	26.70	135.7	0.208
150	3.84	33.78	26.85	121.6	0.272
200	4.15	33.95	26.96	112.4	0.331
250	4.04	34.01	27.02	107.2	0.386
300	3.90	34.06	27.07	102.4	0.438
400	3.49	34.14	27.18	93.1	0.536
500	3.16	34.20	27.25	86.0	0.626
600	2.91	34.26	27.32	79.6	0.709
700	2.74	34.32	27.39	74.1	0.786
800	2.65	34.36	27.43	70.8	0.858

STATION CEL-029

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.49	32.74	24.95	301.4	0.000
10	10.67	32.77	25.12	285.5	0.029
20	9.52	32.81	25.34	264.3	0.056
30	7.55	32.85	25.67	233.1	0.081
50	4.06	32.98	26.20	183.2	0.123
75	3.26	33.20	26.45	159.4	0.166
100	2.63	33.50	26.74	131.5	0.202
150	3.44	33.80	26.91	116.3	0.264
200	3.88	34.00	27.03	105.9	0.320
250	3.81	34.05	27.07	101.9	0.372
300	3.73	34.10	27.12	97.7	0.422
400	3.55	34.18	27.20	90.7	0.516
500	3.33	34.24	27.27	85.2	0.604
600	3.22	34.30	27.33	79.8	0.686
700	3.06	34.35	27.38	75.1	0.763
800	2.91	34.38	27.42	71.9	0.837

STATION CEL-030

OBSERVED VALUES

DATE 08/23/56 HR 05 LAT 50-00N LONG 155-00W SDG BTMCODE
 WVEL 10 DIR 22 FC 05 BA 88 DRY 11.0 WET RELHU VIS 5
 WEA 03 CL 9 AMT 8 SEA 2 DIR 22 SWL 1 DIR 22 SECDI 15 LD 23

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	11.32	32.72	24.97
1	25	10.09	32.70	25.16
1	50	4.35	32.83	26.05
1	74	3.23	32.96	26.26
1	99	3.68	33.47	26.62
2	201	3.92	33.96	26.99
2	299	3.77	34.07	27.09
2	599	3.29		
2	989	2.73	34.44	27.48

STATION CEL-031

OBSERVED VALUES

DATE 08/24/56 HR 06 LAT 49-00N LONG 155-00W SDG BTMCODE
 WVEL 23 DIR 14 FC 09 BA 85 DRY 11.1 WET RELHU VIS 4
 WEA 50 CL 0 AMT 8 SEA 2 DIR 14 SWL 3 DIR 22 SECDI LD 18

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.90	32.58	24.93
2	23	10.27	32.63	25.08
2	50	5.51	32.76	25.87
2	74	4.64	32.79	25.99
2	101	3.23	33.10	26.37
1	213	3.98	33.90	26.94
1	319	3.82	34.04	27.06
1	638	3.28	34.27	27.30
1	1053	2.64	34.43	27.48

STATION CEL-030

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.32	32.72	24.97	299.9	0.000
10	11.37	32.69	24.93	303.2	0.030
20	10.70	32.69	25.05	292.1	0.060
30	8.57	32.73	25.43	256.2	0.087
50	4.35	32.83	26.05	197.3	0.132
75	3.25	32.98	26.28	175.9	0.179
100	3.68	33.48	26.63	142.3	0.219
150	3.85	33.76	26.84	123.2	0.285
200	3.92	33.96	26.99	109.3	0.343
250	3.85	34.02	27.04	104.5	0.396
300	3.77	34.07	27.09	100.4	0.447
400	3.60	34.17	27.19	91.9	0.543
500	3.44	34.25	27.27	85.1	0.631
600	3.29	34.32	27.34	79.0	0.713
700	3.14	34.37	27.39	74.4	0.790
800	2.99	34.41	27.44	70.6	0.862

STATION CEL-031

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.90	32.58	24.93	303.1	0.000
10	10.72 //	32.59	24.97	299.6	0.030
20	10.53	32.62	25.03	294.5	0.060
30	8.65	32.67	25.37	261.8	0.088
50	5.51	32.76	25.87	214.8	0.136
75	4.58	32.80	26.00	202.1	0.188
100	3.27	33.09	26.36	167.9	0.234
150	3.67	33.53	26.67	138.8	0.311
200	3.94	33.84	26.89	118.5	0.375
250	3.93	33.95	26.98	110.6	0.432
300	3.85	34.02	27.04	104.9	0.486
400	3.68	34.11	27.13	97.2	0.587
500	3.51	34.18	27.21	91.0	0.681
600	3.34	34.25	27.28	84.8	0.769
700	3.18	34.30	27.33	80.1	0.851
800	3.02	34.35	27.39	75.3	0.929
1000	2.72	34.42	27.47	68.2	1.072

STATION CEL-032

OBSERVED VALUES

DATE 08/28/56 HR 04 LAT 48-00N LONG 155-00W SDG BTMCODE
 WVEL 15 DIR 22 FC 07 BA 96 DRY 12.2 WET RELHU VIS 7
 WEA 02 CL AMT SEA 2 DIR 22 SWL 3 DIR 22 SECDI LD 21

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.49	32.65	24.88
2	25	11.44	32.65	24.89
2	50	6.62	32.94	25.87
2	75	6.44	32.98	25.93
2	100	6.05	33.01	26.00
1	197	5.26	33.78	26.70
1	294	4.46	33.92	26.90
1	596	3.75	34.20	27.20
1	989	2.92	34.38	27.42

STATION CEL-033

OBSERVED VALUES

DATE 08/30/56 HR 06 LAT 48-00N LONG 150-00W SDG BTMCODE
 WVEL 05 DIR 18 FC 03 BA 00 DRY 13.5 WET RELHU VIS 4
 WEA 02 CL 0 AMT 8 SEA 2 DIR 18 SWL 3 DIR SECDI LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.28	32.56	24.66
2	25	12.27	32.56	24.67
2	50	6.55	32.82	25.78
2	75	5.87	32.84	25.89
2	100	4.93	32.84	26.00
1	203	4.60	33.80	26.79
1	301	4.26	33.92	26.92
1	606	3.52	34.21	27.23
1	1004	2.88	34.39	27.43

STATION CEL-032

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.49	32.65	24.88	308.0	0.000
10	11.48#	32.65#	24.88	308.0	0.031
20	11.46#	32.65#	24.89	307.9	0.062
30	10.10	32.73	25.19	279.5	0.091
50	6.62	32.94	25.87	214.6	0.140
75	6.44	32.98	25.93	209.7	0.193
100	6.05	33.01	26.00	203.0	0.245
150	5.64	33.49	26.43	162.8	0.336
200	5.23	33.78	26.70	136.9	0.411
250	4.79	33.86	26.82	126.5	0.477
300	4.45	33.93	26.91	118.0	0.538
400	4.20	34.03	27.02	108.7	0.651
500	3.97	34.12	27.11	100.4	0.756
600	3.74	34.20	27.20	92.7	0.853
700	3.52	34.27	27.28	85.9	0.942
800	3.31	34.32	27.34	80.7	1.025

STATION CEL-033

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.28	32.56	24.66	328.6	0.000
10	12.27#	32.56#	24.67	328.6	0.033
20	12.27#	32.56#	24.67	328.9	0.066
30	10.72	32.63	25.00	297.0	0.097
50	6.55	32.82	25.78	222.7	0.149
75	5.87	32.84	25.89	213.3	0.203
100	4.93	32.84	26.00	202.9	0.255
150	4.77	33.41	26.46	159.0	0.345
200	4.61	33.78	26.77	130.0	0.417
250	4.43	33.86	26.86	122.6	0.480
300	4.26	33.92	26.92	116.7	0.540
400	4.00	34.03	27.04	106.6	0.652
500	3.75	34.12	27.13	98.0	0.754
600	3.53	34.21	27.23	89.7	0.848
700	3.34	34.27	27.29	84.0	0.935
800	3.16	34.33	27.36	78.3	1.016
1000	2.88	34.39	27.43	72.1	1.166

STATION CEL-034

OBSERVED VALUES

DATE 08/31/56 HR 08 LAT 49-00N LONG 150-00W SDG BTMCDR
 WVEL 08 DIR 27 FC 04 BA 07 DRY 10.0 WET RELHU VIS 5
 WEA 02 CL 6 AMT 4 SEA 1 DIR 27 SWL 3 DIR 32 SECDI 13 LD 29

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.86	32.55	24.74
2	25	9.92	32.62	25.13
2	50	5.70	32.74	25.83
2	75	4.94	32.80	25.96
2	100	3.63	32.85	26.14
1	203	4.00	33.81	26.86
1	301	3.84	33.98	27.01
1	607	3.39	34.24	27.26
1	1004	2.78	34.43	27.47

STATION CEL-035

OBSERVED VALUES

DATE 09/01/56 HR 06 LAT 50-00N LONG 150-00W SDG BTMCDR
 WVEL 05 DIR 27 FC 03 BA 06 DRY 10.0 WET RELHU VIS 5
 WEA 02 CL 0 AMT 6 SEA 1 DIR 27 SWL 3 DIR SECDI 12 LD 35

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.46	32.57	24.82
2	25	11.40	32.57	24.84
2	50	6.53	32.70	25.69
2	75	4.87	32.76	25.94
2	100	3.56	32.87	26.16
1	201	4.00	33.86	26.90
1	314	3.82	33.99	27.02
1	599	3.28	34.27	27.30
1	1034	2.74	34.43	27.48

STATION CEL-034

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	11.86	32.55	24.74	321.8	0.000
10	11.36	32.57	24.84	311.9	0.032
20	10.49	32.60	25.02	295.3	0.062
30	8.80	32.65	25.33	265.5	0.090
50	5.70	32.74	25.83	218.5	0.138
75	4.94	32.80	25.96	205.8	0.191
100	3.63	32.85	26.14	189.2	0.240
150	3.88	33.42	26.57	149.1	0.325
200	4.00	33.79	26.85	122.9	0.393
250	3.92	33.90	26.94	114.2	0.452
300	3.84	33.98	27.01	107.8	0.508
400	3.70	34.07	27.10	100.4	0.612
500	3.55	34.16	27.19	92.9	0.709
600	3.40	34.24	27.26	86.1	0.799
700	3.25	34.30	27.33	80.8	0.882
800	3.10	34.35	27.38	76.2	0.960
1000	2.79	34.43	27.47	68.2	1.104

STATION CEL-035

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	11.46	32.57	24.82	313.4	0.000
10	11.42#	32.57#	24.83	312.9	0.031
20	11.41#	32.57#	24.83	312.9	0.062
30	10.17	32.60	25.07	290.3	0.092
50	6.53	32.70	25.69	231.4	0.144
75	4.87	32.76	25.94	208.1	0.199
100	3.56	32.87	26.16	187.1	0.248
150	3.85	33.46	26.60	145.8	0.331
200	4.00	33.85	26.89	118.4	0.397
250	3.92	33.92	26.96	112.7	0.455
300	3.84	33.97	27.01	108.6	0.510
400	3.64	34.09	27.12	98.3	0.613
500	3.45	34.19	27.22	89.7	0.707
600	3.28	34.27	27.30	82.6	0.793
700	3.12	34.34	27.37	76.5	0.873
800	2.99	34.38	27.41	72.8	0.948
1000	2.77	34.43	27.47	67.9	1.089

STATION CEL-036

OBSERVED VALUES

DATE 09/02/56 HR 07 LAT 51-00N LONG 150-00W SDG BTMCD E
 WVCL 13 DIR 16 FC 06 BA 06 DRY 11.1 WET RELHU VIS 5
 WEA 50 CL 0 AMT 8 SEA 4 DIR 16 SWL 3 DIR SECDI LD 41

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.94	32.62	24.96
2	24	10.91	32.62	24.96
2	48	5.70	32.76	25.84
2	73	3.88	32.87	26.13
2	97	3.42	33.04	26.31
1	204	3.94	33.92	26.96
1	302	3.81	34.05	27.07
1	604	3.30	34.27	27.30
1	994	2.76	34.42	27.47

STATION CEL-037

OBSERVED VALUES

DATE 09/03/56 HR 04 LAT 52-00N LONG 150-00W SDG BTMCD E
 WVCL 01 DIR 25 FC 01 BA 04 DRY 13.1 WET RELHU VIS 7
 WEA 02 CL 0 AMT 3 SEA 1 DIR 25 SWL 3 DIR 22 SECDI 14 LD 34

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.99	32.74	25.04
2	25	10.75	32.74	25.08
2	50	4.22	32.85	26.08
2	75	3.91	33.07	26.28
2	100	3.78	33.49	26.63
1	204	3.91	33.96	26.99
1	303	3.78	34.07	27.09
1	608	3.24	34.29	27.32
1	1005	2.67	34.42	27.47

STATION CEL-036

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.94	32.62	24.96	300.8	0.000
10	10.92#	32.62#	24.96	300.7	0.030
20	10.91#	32.62#	24.96	300.8	0.060
30	9.29	32.66	25.26	272.1	0.089
50	5.50	32.77	25.87	214.0	0.138
75	3.83	32.88	26.14	188.7	0.188
100	3.44	33.08	26.34	170.2	0.233
150	3.76	33.57	26.70	136.6	0.310
200	3.93	33.90	26.94	113.9	0.373
250	3.88	33.98	27.01	107.8	0.428
300	3.81	34.05	27.07	102.3	0.481
400	3.64	34.13	27.15	95.3	0.580
500	3.47	34.20	27.23	89.1	0.672
600	3.31	34.27	27.30	83.0	0.758
700	3.15	34.32	27.35	78.3	0.839
800	3.01	34.36	27.40	74.5	0.915

STATION CEL-037

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.99	32.74	25.04	292.8	0.000
10	10.90#	32.73	25.05	292.3	0.029
20	10.80#	32.73	25.07	290.8	0.058
30	8.95	32.75	25.39	260.3	0.086
50	4.22	32.85	26.08	194.5	0.131
75	3.91	33.07	26.28	175.1	0.177
100	3.78	33.49	26.63	142.5	0.217
150	3.88	33.76	26.84	123.5	0.283
200	3.91	33.95	26.98	110.0	0.341
250	3.85	34.01	27.04	105.3	0.395
300	3.78	34.07	27.09	100.5	0.446
400	3.60	34.15	27.17	93.4	0.543
500	3.42	34.22	27.25	87.1	0.633
600	3.25	34.29	27.32	80.8	0.717
700	3.09	34.34	27.37	76.2	0.795
800	2.95	34.37	27.41	73.1	0.870
1000	2.68	34.42	27.47	67.7	1.011

STATION CEL-038

OBSERVED VALUES

DATE 09/04/56 HR 06 LAT 53-00N LONG 150-00W SDG BTMCODE
 WVCL 10 DIR 20 FC 05 BA 00 DRY 11.3 WET RELHU VIS 5
 WEA 02 CL 0 AMT 8 SEA 2 DIR 20 SWL 3 DIR 22 SECDI LD 35

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.98	32.83	25.11
2	25	10.97	32.84	25.12
2	50	4.66	33.01	26.16
2	75	3.26	33.13	26.39
2	100	2.64	33.40	26.66
1	205	3.98	33.98	27.00
1	305	3.74	34.05	27.08
1	615	3.22	34.29	27.32
1	1020	2.64	34.42	27.48

STATION CEL-039

OBSERVED VALUES

DATE 09/12/56 HR 03 LAT 53-00N LONG 145-00W SDG BTMCODE
 WVCL 05 DIR 22 FC 03 BA 89 DRY 12.2 WET RELHU VIS 3
 WEA 45 CL 9 AMT 8 SEA 2 DIR 22 SWL 4 DIR SECDI 15 LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.24	32.65	24.74
2	23	11.78	32.65	24.83
2	45	5.50	32.83	25.92
2	69	4.17	32.91	26.13
2	90	3.73	32.97	26.22
1	191	3.96	33.96	26.99
1	287	3.84	34.06	27.08
1	593	3.40	34.25	27.27
1	983	2.73	34.42	27.47

STATION CEL-038

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.98	32.83	25.11	286.0	0.000
10	10.98#	32.83#	25.11	286.2	0.029
20	10.97#	32.83	25.11	286.3	0.058
30	9.32	32.88	25.43	256.2	0.085
50	4.66	33.01	26.16	186.9	0.129
75	3.26	33.13	26.39	164.6	0.173
100	2.64	33.40	26.66	139.1	0.211
150	3.48	33.74	26.86	121.2	0.276
200	3.95	33.96	26.99	109.6	0.334
250	3.87	34.01	27.03	105.5	0.388
300	3.75	34.05	27.08	101.7	0.440
400	3.57	34.14	27.17	93.9	0.538
500	3.41	34.22	27.25	87.0	0.628
600	3.24	34.28	27.31	81.5	0.712
700	3.09	34.33	27.36	76.9	0.791
800	2.94	34.38	27.42	72.3	0.866
1000	2.67	34.42	27.47	67.6	1.006

STATION CEL-039

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	12.24	32.65	24.74	321.2	0.000
10	12.10#	32.65#	24.77	319.0	0.032
20	11.90#	32.65#	24.81	315.6	0.064
30	9.26	32.72	25.32	267.2	0.093
50	5.15	32.85	25.98	204.1	0.140
75	4.03	32.92	26.15	187.6	0.189
100	3.77	33.11	26.33	171.0	0.234
150	3.91	33.67	26.76	130.6	0.309
200	3.95	33.97	26.99	108.9	0.369
250	3.89	34.02	27.04	104.9	0.422
300	3.82	34.07	27.09	100.9	0.473
400	3.69	34.14	27.16	95.1	0.571
500	3.54	34.20	27.22	89.9	0.663
600	3.39	34.25	27.27	85.3	0.751
700	3.23	34.30	27.33	80.6	0.834
800	3.06	34.35	27.38	75.7	0.912

STATION CEL-040

OBSERVED VALUES

DATE 09/13/56 HR 06 LAT 52-00N LONG 145-00W SDG BTMCODE
 WVEL 05 DIR 32 FC 03 BA 11 DRY 13.4 WET RELHU VIS 8
 WEA 01 CL 7 AMT 4 SEA 2 DIR 32 SWL 4 DIR SECDI 12 LD 27

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.87	32.65	24.62
2	25	11.97	32.65	24.79
2	50	5.19	32.85	25.97
2	75	4.21	32.86	26.09
2	99	3.99		
1	198	4.36	33.85	26.86
1	295	3.99	33.96	26.98
1	595	3.50	34.21	27.23
1	983	2.84	34.38	27.43

STATION CEL-041

OBSERVED VALUES

DATE 09/14/56 HR 04 LAT 51-00N LONG 145-00W SDG BTMCODE
 WVEL 08 DIR 25 FC 04 BA 11 DRY 12.8 WET RELHU VIS 4
 WEA 45 CL AMT 9 SEA 2 DIR 25 SWL 4 DIR SECDI 15 LD 27

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	13.37	32.59	24.48
2	25	12.47	32.62	24.68
2	50	5.24	32.82	25.94
2	75	4.31	32.87	26.09
2	100		33.04	
1	199	4.20	33.86	26.88
1	297	3.94	33.99	27.01
1	602	3.44	34.24	27.26
1	999	2.81	34.39	27.44

STATION CEL-040

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	12.87	32.65	24.62	332.8	0.000
10	12.64#	32.65#	24.67	328.7	0.033
20	12.31#	32.65#	24.73	323.0	0.066
30	10.15	32.71	25.16	281.8	0.096
50	5.19	32.85	25.97	204.6	0.145
75	4.21	32.86	26.09	193.8	0.195
100	4.00	33.14	26.33	170.9	0.241
150	4.27	33.58	26.65	141.0	0.319
200	4.35	33.85	26.86	122.0	0.385
250	4.15	33.91	26.93	115.9	0.444
300	3.98	33.96	26.98	110.8	0.501
400	3.82	34.06	27.08	102.4	0.608
500	3.66	34.14	27.16	95.6	0.707
600	3.49	34.21	27.23	89.3	0.799
700	3.32	34.27	27.30	83.8	0.886
800	3.15	34.32	27.35	78.9	0.967

STATION CEL-041

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	13.37	32.59	24.48	346.6	0.000
10	13.15#	32.60#	24.53	341.9	0.034
20	12.76#	32.61#	24.61	334.1	0.068
30	10.52	32.67	25.07	290.8	0.099
50	5.24	32.82	25.94	207.3	0.149
75	4.31	32.87	26.09	194.1	0.199
100	4.26#	33.04	26.23	181.0	0.246
150	4.27	33.54	26.62	144.0	0.327
200	4.20	33.86	26.88	119.7	0.393
250	4.06	33.93	26.95	113.4	0.451
300	3.93	33.99	27.01	108.0	0.506
400	3.77	34.09	27.11	99.7	0.610
500	3.61	34.17	27.19	92.8	0.706
600	3.44	34.24	27.26	86.6	0.796
700	3.28	34.30	27.32	81.1	0.880
800	3.12	34.34	27.37	77.1	0.959

STATION CEL-042

OBSERVED VALUES

DATE 09/15/56 HR 04 LAT 50-00N LONG 145-00W SDG BTMCDCE
 WVEL 03 DIR 22 FC 02 BA 09 DRY 13.4 WET RELHU VIS 3
 WEA 44 CL AMT 9 SEA 2 DIR 22 SWL 4 DIR SECDI LD 26

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	13.80	32.65	24.44
2	25	12.78	32.65	24.64
2	50	7.59	32.77	25.61
2	75	4.48	32.82	26.03
2	100	4.25	32.84	26.07
1	199	4.14	33.80	26.84
1	297	3.94	33.95	26.98
1	599	3.41	34.22	27.25
1	995	2.82	34.41	27.45

STATION CEL-043

OBSERVED VALUES

DATE 09/17/56 HR 01 LAT 52-00N LONG 140-00W SDG BTMCDCE
 WVEL 05 DIR 32 FC 03 BA 02 DRY 14.4 WET RELHU VIS 4
 WEA 44 CL AMT 7 SEA 1 DIR 32 SWL 1 DIR SECDI LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	13.98	32.17	24.03
2	25	13.48	32.59	24.45
2	50	5.61	32.82	25.90
2	75	4.72	32.87	26.04
2	100	4.52	33.04	26.20
1	201	4.80	33.85	26.81
1	297	4.22	33.96	26.96
1	589	3.56	34.21	27.22
1	977	2.93	34.40	27.43

STATION CEL-042

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.80	32.65	24.44	350.5	0.000
10	13.56#	32.64	24.48	346.8	0.035
20	13.32	32.64	24.52	342.4	0.069
30	11.58	32.68	24.89	308.0	0.102
50	7.59	32.77	25.61	239.9	0.157
75	4.48	32.82	26.03	199.6	0.212
100	4.25	32.84	26.07	195.9	0.261
150	4.21	33.43	26.54	151.6	0.348
200	4.14	33.80	26.84	123.6	0.417
250	4.03	33.88	26.92	116.8	0.477
300	3.93	33.95	26.98	111.0	0.534
400	3.75	34.05	27.08	102.5	0.641
500	3.58	34.14	27.17	94.7	0.740
600	3.41	34.22	27.25	87.7	0.831
700	3.25	34.29	27.32	81.5	0.916
800	3.10	34.34	27.37	76.9	0.995

STATION CEL-043

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.98	32.17	24.03	389.2	0.000
10	13.83#	32.36	24.21	372.6	0.038
20	13.62#	32.52	24.37	357.0	0.074
30	11.35	32.65	24.91	306.2	0.107
50	5.61	32.82	25.90	211.5	0.159
75	4.72	32.87	26.04	198.3	0.210
100	4.52	33.04	26.20	183.6	0.258
150	4.77	33.53	26.56	150.0	0.341
200	4.80	33.85	26.81	126.9	0.410
250	4.48	33.91	26.89	119.4	0.472
300	4.21	33.96	26.96	113.2	0.530
400	3.97	34.06	27.06	104.0	0.639
500	3.74	34.14	27.15	96.4	0.739
600	3.54	34.22	27.23	89.1	0.832
700	3.35	34.28	27.30	83.4	0.918
800	3.18	34.33	27.36	78.5	0.999

STATION CEL-044

OBSERVED VALUES

DATE 09/18/56 HR 06 LAT 51-00N LONG 140-00W SDG BYMCODE
 WVEL 08 DIR 14 FC 04 BA 95 DRY 14.1 WET RELHU VIS 5
 WEA 03 CL 5 AMT 2 SEA 2 DIR 14 SWL 1 DIR SECDI LD 27

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	14.04	32.61	24.36
2	25	13.59	32.60	24.44
2	50	6.34	32.82	25.81
2	75	4.82	32.84	26.01
2	100	4.62	32.85	26.04
1	202	4.46	33.83	26.83
1	301	4.11	33.92	26.94
1	605	3.64	34.20	27.21
1	1006	2.91	34.40	27.44

STATION CEL-045

OBSERVED VALUES

DATE 09/19/56 HR 07 LAT 50-00N LONG 140-00W SDG BYMCODE
 WVEL 10 DIR 22 FC 05 BA 91 DRY 13.2 WET RELHU VIS 5
 WEA 02 CL 5 AMT 5 SEA 2 DIR 22 SWL 4 DIR SECDI LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
4	0	14.16	32.56	24.29
4	25	13.94	32.58	24.35
4	50	6.29	32.76	25.77
4	75	4.88	32.83	25.99
4	100	4.64	32.83	26.02
1	199	4.88	33.85	26.80
2	296	4.32	33.93	26.92
3	600	3.58	34.19	27.21
3	998	2.91	34.40	27.44

STATION CEL-044

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	14.04	32.61	24.36	358.1	0.000
10	13.91#	32.61#	24.38	355.8	0.036
20	13.71#	32.60#	24.42	352.9	0.071
30	11.68	32.66	24.85	311.2	0.104
50	6.34	32.82	25.81	220.1	0.157
75	4.82	32.84	26.01	201.6	0.210
100	4.62	32.85	26.04	198.9	0.260
150	4.57	33.44	26.51	154.6	0.348
200	4.47	33.82	26.82	125.5	0.418
250	4.28	33.87	26.88	120.2	0.479
300	4.11	33.92	26.94	115.1	0.538
400	3.96	34.02	27.03	106.9	0.649
500	3.81	34.12	27.13	98.7	0.752
600	3.65	34.20	27.21	91.8	0.847
700	3.48	34.26	27.27	86.2	0.936
800	3.30	34.32	27.34	80.6	1.019
1000	2.92	34.40	27.44	71.8	1.171

STATION CEL-045

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	14.16	32.56	24.29	364.1	0.000
10	14.09#	32.57#	24.31	362.3	0.036
20	13.99#	32.57#	24.33	360.5	0.072
30	11.91	32.62	24.78	318.2	0.106
50	6.29	32.76	25.77	224.0	0.160
75	4.88	32.83	25.99	203.0	0.213
100	4.64	32.83	26.02	200.6	0.263
150	4.86	33.46	26.49	156.2	0.352
200	4.87	33.85	26.80	127.6	0.423
250	4.57	33.89	26.87	121.8	0.485
300	4.31	33.93	26.93	116.5	0.545
400	4.04	34.03	27.03	107.0	0.657
500	3.80	34.11	27.12	99.3	0.760
600	3.58	34.19	27.21	91.8	0.856
700	3.38	34.26	27.28	85.2	0.944
800	3.20	34.31	27.34	80.2	1.027

M.V. MITKOF

STATION MIT-002

OBSERVED VALUES

DATE 05/22/56 HR 01 LAT 48-00N LONG 140-00W SDG BTMCODE
WVEL 18 DIR 14 FC 08 BA 01 DRY WET RELHU VIS 7
WEA 02 CL 1 AMT 9 SEA 3 DIR 14 SWL 3 DIR SECDI LD 37

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.58	32.83	25.51
2	25	7.93		
2	75	5.52		

STATION MIT-003

OBSERVED VALUES

DATE 05/25/56 HR 06 LAT 48-00N LONG 150-00W SDG BTMCODE
WVEL 04 DIR 22 FC 03 BA 08 DRY WET RELHU VIS 5
WEA 10 CL AMT SEA 3 DIR 22 SWL 3 DIR SECDI LD 44

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.81	32.71	25.66
2	25	6.60	32.71	25.69
2	50		32.71	
2	75	4.62	32.75	25.96

STATION MIT-002

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.58	32.83	25.51	248.4	0.000
10	8.36				
20	8.09				
30	7.76				
50	6.91				
75	5.52				

STATION MIT-003

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.81	32.71	25.66	233.5	0.000
10	6.79	32.71	25.67	233.4	0.023
20	6.68	32.71	25.68	232.1	0.046
30		32.71			
50		32.71			
75	4.62	32.75	25.96		

STATION MIT-004

OBSERVED VALUES

DATE 05/28/56 HR 03 LAT 50-00N LONG 155-00W SDG BTMCODE
 WVEL 08 DIR 20 FC 04 BA 05 DRY WET RELHU VIS
 WEA 10 CL AMT SEA 3 DIR SWL 3 DIR SECDI LD 50

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.29		
2	25	5.18		
2	50	4.12		
2	75	3.34		

STATION MIT-005

OBSERVED VALUES

DATE 06/15/56 HR 04 LAT 51-00N LONG 175-00E SDG BTMCODE
 WVEL 00 DIR 36 FC 01 BA 07 DRY 9.2 WET RELHU VIS 7
 WEA 01 CL 1 AMT 9 SEA 1 DIR 36 SWL 1 DIR 22 SECDI LD 62

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	4.86	32.98	26.11
2	25	4.50	32.97	26.14
2	50	3.25	33.02	26.31
2	75	3.54	33.17	26.40
2	100	3.57	33.32	26.52
1	207	3.85	33.60	26.71
1	436	3.76	34.07	27.09
1	786	3.18	34.28	27.32

STATION MIT-004

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.29				
10	5.25//				
20	5.22//				
30	4.95				
50	4.12				
75	3.34				

STATION MIT-005

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	4.86	32.98	26.11	190.8	0.000
10	4.82	32.97	26.11	191.2	0.019
20	4.64	32.97	26.13	189.4	0.038
30	4.13	32.97	26.18	184.4	0.057
50	3.25	33.02	26.31	172.7	0.093
75	3.54	33.17	26.40	164.1	0.135
100	3.57	33.32	26.52	153.3	0.175
150	3.73	33.46	26.61	144.6	0.249
200	3.84	33.58	26.70	137.0	0.319
250	3.85	33.71	26.80	127.8	0.385
300	3.84	33.82	26.89	119.8	0.447
400	3.79	34.01	27.04	105.8	0.560
500	3.69	34.15	27.16	95.1	0.660
600	3.55	34.24	27.25	87.7	0.751
700	3.37	34.29	27.31	82.8	0.836

STATION MIT-006

OBSERVED VALUES

DATE 06/16/56 HR 06 LAT 50-00N LONG 175-00E SDG BTMCODE
 WVCL 14 DIR 04 FC 07 BA 04 DRY 5.2 WET RELHU VIS 7
 WEA 02 CL 2 AMT 9 SEA 5 DIR 04 SWL 3 DIR SECDI LD 52

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.08	32.93	26.05
2	25	4.84	32.94	26.08
2	50	4.66	32.95	26.11
2	75	3.82	33.15	26.36
2	100	3.74	33.58	26.71
1	282	3.66	34.06	27.10
1	635	3.21	34.28	27.31

STATION MIT-007

OBSERVED VALUES

DATE 06/19/56 HR 07 LAT 43-12N LONG 175-00E SDG BTMCODE
 WVCL 06 DIR 32 FC 04 BA 18 DRY 12.1 WET RELHU VIS 7
 WEA 01 CL 1 AMT 9 SEA 3 DIR 32 SWL 2 DIR SECDI LD 27

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.81	33.97	25.85
2	25	11.42	33.93	25.89
2	50	11.16	33.91	25.92
2	75	10.10	34.03	26.20
2	100	10.05	34.07	26.24
1	203	7.89	34.04	26.56
1	301	5.58	33.90	26.76
1	608	3.68	34.11	27.13
1	1010	3.00	34.37	27.40

STATION MIT-006

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.08	32.93	26.05	196.9	0.000
10	4.98	32.93	26.06	195.9	0.020
20	4.88	32.94	26.08	194.2	0.040
30	4.86	32.93	26.07	194.8	0.059
50	4.66	32.95	26.11	191.4	0.098
75	3.82	33.15	26.36	168.3	0.143
100	3.74	33.58	26.71	135.3	0.181
150	3.73	33.74	26.83	123.6	0.246
200	3.71	33.87	26.94	114.0	0.305
250	3.68	33.99	27.04	105.1	0.360
300	3.65	34.09	27.12	97.7	0.411
400	3.55	34.24	27.25	86.2	0.503
500	3.43	34.31	27.32	80.5	0.586
600	3.27	34.30	27.32	80.3	0.666

STATION MIT-007

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.81	33.97	25.85	216.3	0.000
10	11.64	33.95	25.86	215.0	0.022
20	11.49	33.94	25.88	213.3	0.043
30	11.43	33.91	25.87	214.7	0.064
50	11.16	33.91	25.92	210.5	0.107
75	10.10	34.03	26.20	184.3	0.156
100	10.05	34.07	26.24	181.1	0.202
150	9.04	34.07	26.40	166.0	0.289
200	7.96	34.04	26.55	153.0	0.369
250	6.68	33.96	26.66	142.1	0.443
300	5.60	33.90	26.76	133.5	0.512
400	4.84	33.97	26.90	120.4	0.639
500	4.21	34.04	27.02	109.0	0.754
600	3.71	34.10	27.12	99.9	0.858
700	3.34	34.17	27.21	91.4	0.954
800	3.10	34.24	27.29	84.4	1.042
1000	2.99	34.36	27.40	75.5	1.202

STATION MIT-008

OBSERVED VALUES

DATE 06/22/56 HR 04 LAT 43-10N LONG 175-00W SDG BTMCODE
 WVEL 06 DIR 02 FC 04 BA 16 DRY 11.1 WET RELHU VIS 7
 WEA 01 CL 8 AMT 7 SEA 2 DIR 02 SWL 2 DIR SECDI LD

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.40	33.86	25.65
2	25	11.40	33.88	25.85
2	50	9.90	33.94	26.16
2	75	9.72	33.93	26.18
2	100	9.46	33.92	26.22
1	202	7.20	33.93	26.57

STATION MIT-009

OBSERVED VALUES

DATE 06/26/56 HR 06 LAT 50-00N LONG 175-00W SDG BTMCODE
 WVEL 05 DIR 32 FC 03 BA DRY 5.0 WET RELHU VIS 5
 WEA 01 CL 0 AMT 7 SEA 3 DIR 32 SWL 3 DIR SECDI LD 23

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.84	32.95	25.85
2	25	5.43	32.95	26.03
2	37	5.18	32.94	26.05
2	50	5.03	32.97	26.09
2	75	4.77	32.97	26.12
1	204	2.98	33.75	26.91
1	304	3.19	33.91	27.02
1	613	3.28	34.22	27.26
1	1017	2.60	34.43	27.49

STATION MIT-008

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	12.40	33.86	25.65	235.1	0.000
10	12.06	33.86	25.71	229.1	0.023
20	11.64	33.87	25.80	221.1	0.046
30	10.99	33.90	25.94	207.8	0.067
50	9.90	33.94	26.16	187.2	0.107
75	9.72	33.93	26.18	185.6	0.154
100	9.46	33.92	26.22	182.7	0.200
150	8.59	33.91	26.35	171.0	0.288
200	7.26	33.93	26.56	151.4	0.369

STATION MIT-009

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	6.84	32.95	25.85	215.9	0.000
10	6.13	32.95	25.94	207.3	0.021
20	5.62	32.95	26.00	201.5	0.041
30	5.31	32.94	26.03	198.9	0.061
50	5.03	32.97	26.09	193.8	0.100
75	4.77	32.97	26.12	191.3	0.148
100	4.24	33.17	26.33	171.0	0.193
150	3.45	33.50	26.67	139.0	0.270
200	3.00	33.74	26.90	117.1	0.334
250	3.09	33.83	26.97	111.4	0.391
300	3.18	33.90	27.01	107.3	0.446
400	3.27	34.02	27.10	99.8	0.550
500	3.31	34.12	27.18	93.5	0.647
600	3.29	34.21	27.25	87.2	0.737
700	3.21	34.28	27.31	81.9	0.822
800	3.08	34.34	27.37	76.7	0.901
1000	2.65	34.43	27.48	66.7	1.044

STATION MIT-010

OBSERVED VALUES

DATE 07/06/56 HR 04 LAT 53-00N LONG 180-00
 WVEL 06 DIR 29 FC 04 BA 23 DRY 7.5 WET
 WEA 02 CL 0 AMT 9 SEA 4 DIR 29 SWL DIR
 SDG RELHU BTMCODE
 SECDI VIS 7
 LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.58	33.11	26.01
2	25	5.48	33.12	26.15
2	50	4.03	33.15	26.34
2	75	3.90	33.27	26.44
2	100	3.99	33.39	26.53
1	193	3.82	33.66	26.76
1	287	3.68	33.87	26.94
1	579	3.38	34.17	27.21
1	960	2.77	34.38	27.43

STATION MIT-011

OBSERVED VALUES

DATE 07/07/56 HR 05 LAT 54-00N LONG 180-00
 WVEL 13 DIR 14 FC 06 BA 21 DRY 7.9 WET
 WEA 20 CL 0 AMT 9 SEA 4 DIR 14 SWL 4 DIR
 SDG 318 BTMCODE
 RELHU VIS 4
 SECDI LD 27

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	6.66	33.15	26.03
1	24	6.51	33.14	26.04
1	49	4.54	33.19	26.31
1	73	3.77	33.23	26.42
1	97	3.44	33.31	26.52
1	195	3.76	33.76	26.85

STATION MIT-010

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.58	33.11	26.01	200.7	0.000
10	6.18	33.11	26.06	196.0	0.020
20	5.73	33.12	26.12	190.0	0.039
30	5.08	33.12	26.20	182.9	0.058
50	4.03	33.15	26.34	170.1	0.093
75	3.90	33.27	26.44	160.0	0.134
100	3.99	33.39	26.53	152.0	0.173
150	3.89	33.54	26.66	140.2	0.246
200	3.81	33.68	26.78	129.2	0.313
250	3.73	33.79	26.87	120.6	0.375
300	3.67	33.89	26.96	112.8	0.433
400	3.58	34.00	27.06	104.4	0.542
500	3.48	34.10	27.14	96.7	0.643
600	3.35	34.19	27.23	89.3	0.736
700	3.21	34.26	27.30	83.4	0.822
800	3.06	34.32	27.36	78.0	0.903

STATION MIT-011

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.66	33.15	26.03	198.7	0.000
10	6.62#	33.14	26.03	199.1	0.020
20	6.58#	33.14	26.03	198.7	0.040
30	5.93	33.15	26.12	190.3	0.059
50	4.50	33.19	26.32	171.7	0.095
75	3.74	33.24	26.44	160.7	0.137
100	3.41	33.32	26.53	151.8	0.176
150	3.28	33.53	26.71	135.1	0.248

STATION MIT-012

OBSERVED VALUES

DATE 07/08/56 HR 08 LAT 55-00N LONG 180-00 SDG BTMCODE
 WVEL 01 DIR 27 FC 01 BA 11 DRY 7.9 WET RELHU VIS 7
 WEA 40 CL AMT 9 SEA 2 DIR 27 SWL 2 DIR SECDI LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.89	33.20	26.04
2	25	4.36	33.22	26.36
2	50	3.68	33.22	26.43
2	75	3.32	33.23	26.47
2	100	2.55	33.27	26.57
1	205	3.66	33.73	26.83
1	305	3.59	33.93	27.00
1	615	3.28	34.21	27.25
1	1020	2.77	34.37	27.43

STATION MIT-013

OBSERVED VALUES

DATE 07/09/56 HR 07 LAT 56-00N LONG 180-00 SDG BTMCODE
 WVEL 10 DIR 27 FC 05 BA 18 DRY 11.2 WET RELHU VIS 7
 WEA 01 CL AMT 9 SEA 3 DIR 27 SWL 1 DIR SECDI LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	7.41	33.17	25.94
2	25	4.91	33.21	26.29
2	50	3.69	33.24	26.44
2	75	3.07	33.25	26.51
2	100	2.48	33.29	26.59
1	204	3.65	33.73	26.83
1	304	3.58	33.95	27.02
1	613	3.28	34.22	27.26
1	1018	2.77	34.37	27.43

STATION MIT-012

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.89	33.20	26.04	197.9	0.000
10	5.66	33.21	26.20	182.4	0.019
20	4.72	33.22	26.32	171.5	0.037
30	4.20	33.22	26.37	166.3	0.054
50	3.68	33.22	26.43	161.5	0.087
75	3.32	33.23	26.47	157.6	0.127
100	2.55	33.27	26.57	148.2	0.165
150	3.23	33.52	26.71	135.4	0.236
200	3.63	33.71	26.82	125.2	0.301
250	3.63	33.83	26.92	116.6	0.361
300	3.59	33.92	26.99	109.8	0.418
400	3.50	34.03	27.09	101.4	0.524
500	3.40	34.12	27.17	94.4	0.622
600	3.30	34.20	27.24	88.1	0.713
700	3.18	34.26	27.30	83.0	0.799
800	3.06	34.31	27.35	78.7	0.880
1000	2.80	34.37	27.42	72.7	1.031

STATION MIT-013

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.41	33.17	25.94	206.9	0.000
10	6.26	33.19	26.11	190.9	0.020
20	5.31	33.20	26.24	179.3	0.039
30	4.62	33.22	26.33	170.5	0.056
50	3.69	33.24	26.44	160.1	0.089
75	3.07	33.25	26.51	153.9	0.128
100	2.48	33.29	26.59	146.1	0.166
150	3.20	33.53	26.72	134.4	0.236
200	3.63	33.72	26.83	124.5	0.301
250	3.62	33.84	26.92	115.7	0.361
300	3.58	33.94	27.01	108.2	0.417
400	3.49	34.05	27.10	99.8	0.521
500	3.40	34.14	27.18	92.9	0.617
600	3.29	34.21	27.25	87.2	0.707
700	3.18	34.27	27.31	82.3	0.792
800	3.06	34.32	27.36	78.0	0.872
1000	2.80	34.37	27.42	72.7	1.023

STATION MIT-014

OBSERVED VALUES

DATE 07/10/56 HR 07 LAT 57-00N LONG 180-00 SDG BTMCODE
 WVEL 10 DIR 18 FC 05 BA 22 DRY 7.1 WET RELHU VIS 7
 WEA 40 CL AMT 9 SEA 1 DIR 18 SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	7.30	33.17	25.96
2	25	3.86	33.22	26.41
2	50	3.14	33.22	26.48
2	75	2.74	33.23	26.52
2	100	1.91	33.22	26.58
1	205	2.14	33.31	26.63
1	305	3.58	33.78	26.88
1	615	3.42	34.17	27.21
1	1020	2.87	34.36	27.41

STATION MIT-015

OBSERVED VALUES

DATE 07/11/56 HR 06 LAT 58-00N LONG 180-00 SDG BTMCODE
 WVEL 15 DIR 14 FC 07 BA 21 DRY 9.5 WET RELHU VIS 7
 WEA 40 CL AMT 9 SEA 4 DIR 14 SWL 2 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	7.10	33.04	25.88
2	25	4.48	33.12	26.27
2	50	3.80	33.21	26.41
2	75	3.28	33.22	26.46
2	100	2.97	33.28	26.54
1	204	3.25	33.45	26.65
1	303	3.64	33.75	26.85
1	611	3.34	34.12	27.17
1	1012	2.79	34.34	27.40

STATION MIT-014

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	7.30	33.17	25.96	205.4	0.000
10	5.60	33.20	26.20	182.5	0.019
20	4.33	33.21	26.35	168.3	0.037
30	3.69	33.22	26.42	161.5	0.053
50	3.14	33.22	26.48	156.7	0.085
75	2.74	33.23	26.52	152.7	0.124
100	1.91	33.22	26.58	147.1	0.161
150	1.86	33.21	26.57	147.6	0.235
200	2.10	33.30	26.63	142.8	0.308
250	2.88	33.54	26.75	131.3	0.377
300	3.53	33.76	26.87	121.2	0.440
400	3.55	33.92	26.99	110.1	0.556
500	3.51	34.05	27.10	100.7	0.661
600	3.43	34.16	27.20	92.4	0.758
700	3.34	34.24	27.27	86.2	0.847
800	3.22	34.30	27.33	81.2	0.931
1000	2.91	34.36	27.40	74.6	1.087

STATION MIT-015

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	7.10	33.04	25.88	212.5	0.000
10	5.82	33.07	26.07	194.7	0.020
20	4.85	33.10	26.21	181.9	0.039
30	4.33	33.14	26.30	173.6	0.057
50	3.80	33.21	26.41	163.4	0.091
75	3.28	33.22	26.46	158.0	0.131
100	2.97	33.28	26.54	150.9	0.170
150	3.09	33.34	26.58	147.7	0.245
200	3.24	33.44	26.64	141.8	0.317
250	3.46	33.60	26.75	132.2	0.386
300	3.63	33.74	26.84	123.7	0.450
400	3.56	33.89	26.97	112.5	0.568
500	3.46	34.01	27.07	103.2	0.676
600	3.35	34.11	27.16	95.3	0.775
700	3.23	34.19	27.24	88.6	0.867
800	3.10	34.26	27.31	82.9	0.953
1000	2.81	34.34	27.40	75.1	1.111

STATION MIT-016

OBSERVED VALUES

DATE 07/13/56 HR 02 LAT 60-00N LONG 175-00W SDG 117 BTMCODE
 WVEL 03 DIR 14 FC 02 BA 19 DRY 10.2 WET RELHU VIS 3
 WEA 28 CL AMT 9 SEA 2 DIR 14 SWL 1 DIR SECDI LD 8

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	7.86	31.21	24.35
1	25	1.15	31.88	25.55
1	50	-1.63	32.11	25.85
1	75	-1.35	32.28	25.98

STATION MIT-017

OBSERVED VALUES

DATE 07/14/56 HR 06 LAT 59-00N LONG 175-00W SDG 131 BTMCODE
 WVEL 02 DIR 09 FC 01 BA 21 DRY 7.0 WET RELHU VIS 6
 WEA 28 CL AMT 9 SEA 1 DIR 09 SWL 1 DIR SECDI LD 8

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	7.32	32.16	25.16
1	25	3.75	32.42	25.78
1	50	1.22	32.72	26.22
1	75	1.52	32.91	26.36
1	100	1.60	32.94	26.37

STATION MIT-016

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.86	31.21	24.35	359.1	0.000
10	4.70	31.53	24.98	298.3	0.033
20	2.18	31.78	25.41	258.0	0.061
30	0.35	31.93	25.64	235.9	0.086
50	-1.63	32.11	25.85	215.3	0.131
75	-1.35	32.28	25.98	202.6	0.183

STATION MIT-017

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.32	32.16	25.16	281.1	0.000
10	5.77	32.26	25.44	254.8	0.027
20	4.38	32.36	25.67	232.7	0.051
30	3.02	32.49	25.91	210.7	0.073
50	1.22	32.72	26.22	180.4	0.112
75	1.52	32.91	26.36	167.9	0.156
100	1.60	32.94	26.37	166.1	0.198

STATION MIT-018

OBSERVED VALUES

DATE 07/15/56 HR 08 LAT 58-00N LONG 175-00W SDG BTMCODE
 WVEL 00 DIR 00 FC 00 BA 28 DRY 9.4 WET RELHU VIS 9
 WEA 01 CL AMT SEA 0 DIR 00 SWL 0 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.92	33.02	25.44
2	25	6.72	33.03	25.93
2	50	4.09	33.20	26.37
2	75	3.25	33.23	26.47
2	100	3.05	33.31	26.56

STATION MIT-019

OBSERVED VALUES

DATE 07/16/56 HR 08 LAT 57-00N LONG 175-00W SDG BTMCODE
 WVEL 18 DIR 14 FC 08 BA 30 DRY 9.8 WET RELHU VIS 1
 WEA 49 CL AMT 9 SEA 4 DIR 14 SWL DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.50	32.89	25.57
2	25	4.84	32.89	26.04
2	50	3.86	32.94	26.19
2	75	2.32	32.99	26.36
2	100	2.41	33.04	26.39
1	205	3.15	33.25	26.50
1	305	3.69	33.52	26.66
1	615	3.54	33.98	27.04
1	1020	2.89	34.31	27.37

STATION MIT-018

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.92	33.02	25.44	254.6	0.000
10	9.92	33.02#	25.44	254.8	0.025
20	7.31	33.02	25.84	217.1	0.049
30	6.05	33.08	26.05	196.9	0.070
50	4.09	33.20	26.37	166.9	0.106
75	3.25	33.23	26.47	157.0	0.146
100	3.05	33.31	26.56	149.4	0.184

STATION MIT-019

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.50	32.89	25.57	242.8	0.000
10	6.71	32.88	25.81	219.6	0.023
20	5.36	32.89	25.99	203.1	0.044
30	4.69	32.90	26.07	195.3	0.064
50	3.86	32.94	26.19	184.3	0.102
75	2.32	32.99	26.36	167.5	0.146
100	2.41	33.04	26.39	164.5	0.187
150	2.78	33.13	26.44	160.9	0.268
200	3.12	33.24	26.49	155.8	0.347
250	3.43	33.38	26.58	148.4	0.423
300	3.67	33.51	26.66	141.3	0.495
400	3.68	33.68	26.79	129.4	0.630
500	3.63	33.83	26.92	118.4	0.754
600	3.55	33.96	27.03	108.6	0.867
700	3.45	34.07	27.12	100.0	0.971
800	3.31	34.17	27.22	91.8	1.067
1000	2.93	34.30	27.36	79.3	1.238

STATION MIT-020

OBSERVED VALUES

DATE 08/03/56 HR 03 LAT 55-00N LONG 175-00W SDG B1MCODE
 WVEL 15 DIR 22 FC 07 BA 16 DRY 11.3 WET RELHU VIS 3
 WEA 40 CL AMT 9 SEA 2 DIR 22 SWL DIR SECDI LD 21

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	9.16	32.90	25.47
1	25	8.15	33.09	25.77
1	50	4.01	33.21	26.39
1	75	3.68	33.21	26.42
1	100	3.11	33.26	26.51
2	197	3.49	33.58	26.73
2	291	3.70	33.85	26.92
3	615	3.29	34.22	27.26
3	1020	2.72	34.37	27.43

STATION MIT-021

OBSERVED VALUES

DATE 08/04/56 HR 07 LAT 54-00N LONG 175-00W SDG B1MCODE
 WVEL 13 DIR 22 FC 06 BA DRY 10.7 WET RELHU VIS 5
 WEA 02 CL 0 AMT 9 SEA 2 DIR 22 SWL DIR SECDI LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	9.28	33.01	25.54
1	25	7.34	33.16	25.95
1	50	4.01	33.22	26.39
1	75	3.65	33.24	26.44
1	100	3.38	33.34	26.55
2	204	3.75	33.61	26.73
2	303	3.70	33.86	26.93

STATION MIT-020

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.16	32.90	25.47	251.8	0.000
10	9.13	32.98	25.54	245.6	0.025
20	8.60	33.06	25.68	232.0	0.049
30	7.02	33.12	25.96	205.9	0.071
50	4.01	33.21	26.39	165.4	0.108
75	3.68	33.21	26.42	162.4	0.149
100	3.11	33.26	26.51	153.7	0.189
150	3.33	33.43	26.63	143.1	0.263
200	3.50	33.59	26.74	133.0	0.332
250	3.63	33.74	26.84	123.3	0.396
300	3.69	33.86	26.93	115.3	0.456
400	3.57	34.00	27.06	104.3	0.566
500	3.44	34.11	27.16	95.5	0.666
600	3.31	34.21	27.25	87.4	0.757
700	3.18	34.28	27.32	81.6	0.841
800	3.04	34.33	27.37	77.0	0.920
1000	2.75	34.37	27.43	72.2	1.069

STATION MIT-021

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.28	33.01	25.54	245.4	0.000
10	8.67	33.08	25.69	231.3	0.024
20	7.84	33.14	25.86	215.3	0.046
30	6.44	33.18	26.08	194.1	0.066
50	4.01	33.22	26.39	164.6	0.102
75	3.65	33.24	26.44	159.9	0.143
100	3.38	33.34	26.55	150.0	0.182
150	3.61	33.47	26.63	142.7	0.255
200	3.74	33.60	26.72	134.5	0.324
250	3.78	33.73	26.82	125.6	0.389
300	3.71	33.85	26.92	116.2	0.449

STATION MIT-022

OBSERVED VALUES

DATE 08/05/56 HR 06 LAT 53-00N LONG 175-00W SDG BTMCODE
 WVEL 03 DIR 27 FC 02 BA 22 DRY 11.5 WET RELHU VIS 9
 WEA 45 CL AMT SEA 1 DIR 27 SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	10.29	33.07	25.42
1	25	8.16	33.14	25.81
1	50	4.21	33.23	26.38
1	75	3.97	33.22	26.40
1	100	3.50	33.25	26.47
2	204	3.68	33.57	26.70
2	304	3.79	33.78	26.86
2	614	3.41	34.14	27.18
2	1018	2.74	34.36	27.42

STATION MIT-023

OBSERVED VALUES

DATE 08/08/56 HR 05 LAT 51-00N LONG 175-00W SDG BTMCODE
 WVEL 03 DIR 32 FC 02 BA 19 DRY 12.3 WET RELHU VIS 7
 WEA 02 CL 0 AMT 9 SEA 1 DIR 32 SWL 1 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	11.48	32.60	24.84
1	25	7.53	32.74	25.59
1	50	4.42	32.90	26.10
1	75	3.67	33.04	26.28
1	100	3.35	33.29	26.51
2	205	3.80	33.91	26.96
2	305	3.80	34.07	27.09
2	615	3.34	34.28	27.30
2	1020	2.61	34.44	27.49

STATION MIT-022

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.29	33.07	25.42	256.9	0.000
10	9.66	33.10	25.55	244.8	0.025
20	8.73	33.12	25.71	229.4	0.049
30	7.07	33.17	25.99	202.9	0.071
50	4.21	33.23	26.38	165.8	0.108
75	3.97	33.22	26.40	164.4	0.149
100	3.50	33.25	26.47	157.9	0.189
150	3.59	33.42	26.59	146.3	0.265
200	3.67	33.56	26.70	136.9	0.336
250	3.74	33.67	26.78	129.7	0.403
300	3.79	33.77	26.85	123.0	0.466
400	3.68	33.91	26.97	112.2	0.584
500	3.56	34.03	27.08	102.7	0.691
600	3.43	34.13	27.17	94.6	0.790
700	3.28	34.21	27.25	87.8	0.881
800	3.13	34.28	27.32	81.7	0.966
1000	2.77	34.36	27.42	73.1	1.121

STATION MIT-023

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.48	32.60	24.84	311.5	0.000
10	9.80	32.65	25.17	280.3	0.030
20	8.25	32.71	25.46	253.0	0.057
30	6.72	32.77	25.72	228.2	0.081
50	4.42	32.90	26.10	192.7	0.123
75	3.67	33.04	26.28	175.1	0.169
100	3.35	33.29	26.51	153.5	0.210
150	3.62	33.64	26.77	130.0	0.281
200	3.79	33.89	26.95	113.3	0.342
250	3.81	33.99	27.02	106.4	0.397
300	3.80	34.06	27.08	101.4	0.449
400	3.67	34.14	27.16	94.9	0.547
500	3.52	34.21	27.23	88.9	0.639
600	3.36	34.27	27.29	83.5	0.725
700	3.20	34.32	27.35	78.8	0.806
800	3.02	34.37	27.40	73.8	0.882
1000	2.65	34.44	27.49	65.9	1.022

STATION MIT-024

OBSERVED VALUES

DATE 08/09/56 HR 06 LAT 50-00N LONG 175-00W SDG BTMCODE
 WVEL 03 DIR 16 FC 02 BA 22 DRY 12.9 WET RELHU VIS 3
 WEA 02 CL 0 AMT 9 SEA 1 DIR 16 SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	12.40	32.81	24.84
1	25	9.31	32.90	25.45
1	50	5.29	33.01	26.09
1	75	4.70	33.04	26.18
1	100	4.28	33.07	26.25
2	203	2.92	33.72	26.89
2	303	3.21	33.91	27.02
2	611	3.24	34.23	27.27
2	1014	2.67	34.41	27.47

STATION MIT-025

OBSERVED VALUES

DATE 08/10/56 HR 05 LAT 49-00N LONG 175-00W SDG BTMCODE
 WVEL 03 DIR 04 FC 02 BA 26 DRY 14.0 WET RELHU VIS 7
 WEA 02 CL 0 AMT 7 SEA 1 DIR 04 SWL 1 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	13.68	32.86	24.62
1	25	8.78	32.95	25.57
1	50	5.29	33.05	26.12
1	75	4.95	33.07	26.17
2	193	3.42	33.70	26.83
2	289	3.47	33.89	26.98
2	591	3.38	34.22	27.25
2	985	3.09	34.31	27.35

STATION MIT-024

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.40	32.81	24.84	312.3	0.000
10	11.28	32.84	25.07	290.6	0.030
20	10.00	32.88	25.32	266.7	0.058
30	8.23	32.93	25.64	236.5	0.083
50	5.29	33.01	26.09	193.7	0.126
75	4.70	33.04	26.18	185.3	0.173
100	4.28	33.07	26.25	178.9	0.219
150	3.41	33.44	26.63	143.1	0.300
200	2.94	33.71	26.88	118.8	0.365
250	3.07	33.81	26.95	112.8	0.423
300	3.20	33.90	27.01	107.5	0.478
400	3.26	34.03	27.11	99.0	0.581
500	3.28	34.13	27.19	92.4	0.677
600	3.25	34.22	27.26	86.1	0.766
700	3.17	34.29	27.33	80.7	0.849
800	3.06	34.35	27.38	75.7	0.927
1000	2.70	34.41	27.46	68.7	1.071

STATION MIT-025

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.68	32.86	24.62	332.7	0.000
10	11.55	32.89	25.06	291.5	0.031
20	9.65	32.93	25.42	257.4	0.058
30	7.83	32.98	25.74	227.2	0.082
50	5.29	33.05	26.12	190.7	0.124
75	4.95	33.07	26.17	185.7	0.171
100	4.48	33.24	26.36	168.2	0.215
150	3.77	33.52	26.66	140.5	0.292
200	3.42	33.72	26.85	122.5	0.358
250	3.45	33.82	26.92	115.6	0.418
300	3.47	33.91	26.99	109.4	0.474
400	3.45	34.04	27.10	100.1	0.579
500	3.42	34.14	27.18	93.1	0.676
600	3.38	34.23	27.26	86.7	0.766
700	3.32	34.28	27.30	83.0	0.851
800	3.25	34.32	27.34	80.0	0.933

STATION MIT-026

OBSERVED VALUES

DATE 08/11/56 HR 06 LAT 48-00N LONG 175-00W SDG BTMCODE
 WVEL 13 DIR 07 FC 06 BA 21 DRY 13.4 WET RELHU VIS 7
 WEA 02 CL 0 AMT 8 SEA 2 DIR 07 SWL 4 DIR SECDI LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	13.72	32.90	24.64
1	25	9.14	32.96	25.52
1	50	5.35	33.04	26.11
1	75	4.85	33.05	26.17
1	100	4.60	33.08	26.22
2	204	3.37	33.75	26.88
2	304	3.41	33.92	27.01
2	613	3.37	34.23	27.26
2	933	2.80	34.38	27.43

STATION MIT-027

OBSERVED VALUES

DATE 08/12/56 HR 06 LAT 47-00N LONG 175-00W SDG BTMCODE
 WVEL 05 DIR 04 FC 03 BA 21 DRY 13.3 WET RELHU VIS 7
 WEA 02 CL 0 AMT 8 SEA 1 DIR 04 SWL 1 DIR SECDI LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	14.24	32.87	24.51
1	25	8.28	33.01	25.69
1	50	5.59	33.11	26.13
1	75	5.30	33.13	26.18
1	100	5.08	33.17	26.24
2	203	4.30	33.74	26.78
2	302	3.78	33.88	26.94
2	609	3.45	34.20	27.23
2	1011	2.74	34.39	27.44

STATION MIT-026

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	13.72	32.90	24.64	330.5	0.000
10	11.79	32.92	25.04	293.5	0.031
20	9.99	32.95	25.38	261.3	0.059
30	8.12	32.98	25.69	231.2	0.084
50	5.35	33.04	26.11	192.1	0.126
75	4.85	33.05	26.17	186.1	0.173
100	4.60	33.08	26.22	181.5	0.219
150	3.85	33.46	26.60	145.8	0.301
200	3.39	33.73	26.86	121.4	0.368
250	3.39	33.83	26.94	114.3	0.427
300	3.41	33.91	27.00	108.8	0.483
400	3.45	34.03	27.09	100.9	0.588
500	3.44	34.14	27.18	93.3	0.685
600	3.38	34.22	27.25	87.4	0.775
700	3.27	34.29	27.32	81.7	0.860
800	3.10	34.34	27.37	76.9	0.939

STATION MIT-027

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	14.24	32.87	24.51	343.0	0.000
10	11.46	32.93	25.10	287.0	0.032
20	9.21	32.99	25.53	246.2	0.059
30	7.55	33.04	25.82	218.9	0.082
50	5.59	33.11	26.13	189.5	0.123
75	5.30	33.13	26.18	185.0	0.170
100	5.08	33.17	26.24	179.8	0.216
150	4.67	33.50	26.55	151.2	0.299
200	4.32	33.73	26.77	130.7	0.369
250	4.03	33.81	26.86	122.1	0.432
300	3.79	33.88	26.94	114.8	0.491
400	3.69	34.00	27.04	105.6	0.601
500	3.59	34.10	27.13	97.8	0.703
600	3.46	34.19	27.22	90.5	0.797
700	3.32	34.27	27.30	83.8	0.884
800	3.15	34.32	27.35	78.9	0.965
1000	2.76	34.39	27.44	70.8	1.115

STATION MIT-028

OBSERVED VALUES

DATE 08/14/56 HR 02 LAT 47-00N LONG 180-00 SDG BTMCODE
 WVEL 05 DIR 27 FC 03 BA 21 DRY 19.8 WET RELHU VIS 7
 WEA 01 CL 0 AMT 5 SEA 1 DIR 27 SWL DIR SECDI LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	17.06	32.61	23.69
1	25	9.48	32.76	25.31
1	50	5.79	33.04	26.05
1	75	5.74	33.14	26.14
1	100	5.76	33.30	26.26
2	204	4.38	33.74	26.77
2	304	3.78	33.84	26.91
2	613	3.50	34.19	27.21
2	1016	2.80	34.40	27.45

STATION MIT-029

OBSERVED VALUES

DATE 08/15/56 HR 06 LAT 48-00N LONG 180-00 SDG BTMCODE
 WVEL 05 DIR 34 FC 03 BA 19 DRY 15.2 WET RELHU VIS 7
 WEA 02 CL 0 AMT 9 SEA 1 DIR 34 SWL 1 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	15.45	32.62	24.06
1	25	8.68	32.81	25.48
1	50	5.61	33.04	26.08
1	75	5.26	33.05	26.12
1	100	5.59	33.29	26.27
2	202	3.56	33.68	26.80
2	301	3.33	33.84	26.95
2	607	3.42	34.21	27.24
2	1006	2.71	34.40	27.45

STATION MIT-028

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	17.06	32.61	23.69	421.5	0.000
10	13.56	32.65	24.48	346.1	0.038
20	10.68	32.72	25.08	289.5	0.070
30	8.45	32.83	25.53	247.1	0.097
50	5.79	33.04	26.05	197.1	0.141
75	5.74	33.14	26.14	189.3	0.189
100	5.76	33.30	26.26	177.8	0.235
150	5.00	33.55	26.55	151.0	0.317
200	4.42	33.73	26.76	131.7	0.388
250	4.07	33.79	26.84	124.0	0.452
300	3.80	33.84	26.91	117.9	0.512
400	3.72	33.97	27.02	108.1	0.625
500	3.63	34.08	27.11	99.7	0.729
600	3.52	34.18	27.20	91.9	0.825
700	3.38	34.26	27.28	85.2	0.914
800	3.22	34.32	27.34	79.7	0.996
1000	2.83	34.40	27.44	70.8	1.146

STATION MIT-029

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	15.45	32.62	24.06	386.0	0.000
10	12.30	32.69	24.76	319.6	0.035
20	9.74	32.77	25.28	270.7	0.065
30	7.85	32.87	25.65	235.7	0.090
50	5.61	33.04	26.08	195.0	0.133
75	5.26	33.05	26.12	190.6	0.181
100	5.59	33.29	26.27	176.6	0.227
150	4.37	33.51	26.59	147.3	0.308
200	3.58	33.67	26.79	127.7	0.377
250	3.43	33.76	26.88	119.9	0.439
300	3.33	33.84	26.95	113.3	0.497
400	3.42	33.98	27.05	104.3	0.606
500	3.45	34.10	27.15	96.4	0.706
600	3.42	34.20	27.23	89.3	0.799
700	3.34	34.28	27.30	83.2	0.885
800	3.19	34.34	27.36	77.9	0.966
1000	2.73	34.40	27.45	69.7	1.114

STATION MIT-030

OBSERVED VALUES

DATE 08/16/56 HR 06 LAT 49-00N LONG 180-00 SDG BTMCODE
 WVEL 03 DIR 18 FC 02 BA DRY 13.2 WET RELHU VIS 7
 WEA 02 CL AMT 9 SEA 1 DIR 18 SWL 1 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	13.44	32.75	24.59
1	25	7.18	32.96	25.81
1	50	5.51	33.09	26.13
1	75	4.99	33.09	26.19
1	100	4.72	33.15	26.26
2	202	3.44	33.69	26.82
2	301	3.35	33.87	26.97
2	610	3.30	34.21	27.25
2	1015	2.72	34.39	27.45

STATION MIT-031

OBSERVED VALUES

DATE 08/17/56 HR 04 LAT 50-00N LONG 180-00 SDG BTMCODE
 WVEL 10 DIR 32 FC 05 BA 09 DRY 15.4 WET RELHU VIS 3
 WEA 45 CL AMT 9 SEA 2 DIR 32 SWL 2 DIR SECDI LD 21

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	13.78	32.51	24.33
1	25	8.80	32.86	25.50
1	50	5.60	33.08	26.11
1	75	5.15	33.10	26.18
1	100	4.43	33.21	26.34
2	204	3.15	33.71	26.87
2	303	3.19	33.86	26.98
2	611	3.26	34.22	27.26
2	1014	2.65	34.41	27.47

STATION MIT-030

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.44	32.75	24.59	336.2	0.000
10	10.39	32.84	25.22	275.7	0.031
20	8.06	32.92	25.66	234.7	0.057
30	6.75	33.00	25.90	211.4	0.079
50	5.51	33.09	26.13	190.1	0.119
75	4.99	33.09	26.19	184.6	0.166
100	4.72	33.15	26.26	177.5	0.211
150	3.94	33.46	26.59	146.6	0.292
200	3.45	33.68	26.81	125.7	0.360
250	3.39	33.78	26.90	118.0	0.421
300	3.35	33.87	26.97	111.2	0.478
400	3.37	34.00	27.08	102.3	0.585
500	3.36	34.11	27.16	94.7	0.684
600	3.31	34.20	27.24	88.2	0.775
700	3.22	34.28	27.31	82.0	0.860
800	3.10	34.33	27.36	77.7	0.940
1000	2.75	34.39	27.44	70.7	1.088

STATION MIT-031

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.78	32.51	24.33	360.3	0.000
10	11.57	32.67	24.88	308.1	0.033
20	9.65	32.80	25.32	267.1	0.062
30	7.94	32.92	25.67	233.2	0.087
50	5.60	33.08	26.11	191.9	0.130
75	5.15	33.10	26.18	185.6	0.177
100	4.43	33.21	26.34	170.0	0.221
150	3.65	33.49	26.64	141.6	0.299
200	3.17	33.70	26.86	121.6	0.365
250	3.17	33.78	26.92	115.9	0.424
300	3.19	33.86	26.98	110.4	0.481
400	3.26	33.99	27.08	102.0	0.587
500	3.29	34.11	27.17	94.0	0.685
600	3.27	34.21	27.25	87.0	0.776
700	3.19	34.29	27.32	80.9	0.860
800	3.07	34.35	27.38	75.8	0.938
1000	2.68	34.41	27.46	68.5	1.082

STATION MIT-032

OBSERVED VALUES

DATE 08/23/56 HR 04 LAT 51-00N LONG 180-00 SDG BTMCODE
 WVEL 18 DIR 04 FC 08 BA 13 DRY 7.3 WET RELHU VIS 3
 WEA 60 CL 0 AMT 8 SEA DIR 04 SWL 1 DIR SECDI LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	7.12	32.75	25.65
1	25	5.79	32.98	26.01
1	50	4.35	33.02	26.20
1	75	3.96	33.13	26.33
1	100	4.09	33.30	26.45
2	187	4.39	33.78	26.80
2	278	3.60	33.89	26.97
2	560	3.50	34.20	27.22
2	929	2.93	34.35	27.39

STATION MIT-033

OBSERVED VALUES

DATE 08/25/56 HR 07 LAT 51-00N LONG 175-00E SDG BTMCODE
 WVEL 03 DIR 22 FC 02 BA 04 DRY 9.6 WET RELHU VIS 7
 WEA 02 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	9.71	32.72	25.24
1	25	6.40	33.12	26.04
1	50	5.11	33.24	26.29
1	75	4.54	33.31	26.41
1	100	4.54	33.36	26.45
2	197	4.30	33.48	26.57
2	296	4.08	33.71	26.78
2	594	3.58	34.16	27.18
2	992	2.93	34.37	27.41

STATION MIT-032

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.12	32.75	25.65	234.4	0.000
10	6.60	32.86	25.81	219.8	0.023
20	6.06	32.95	25.95	206.6	0.044
30	5.42	32.98	26.05	197.1	0.064
50	4.35	33.02	26.20	183.0	0.102
75	3.96	33.13	26.33	171.1	0.146
100	4.09	33.30	26.45	159.8	0.187
150	4.39	33.62	26.67	139.2	0.262
200	4.25	33.80	26.83	124.7	0.328
250	3.80	33.86	26.92	116.0	0.388
300	3.60	33.92	26.99	109.9	0.444
400	3.59	34.04	27.09	101.5	0.550
500	3.55	34.15	27.18	93.7	0.648
600	3.46	34.23	27.25	87.5	0.739
700	3.34	34.29	27.31	82.5	0.824
800	3.19	34.33	27.36	78.6	0.905

STATION MIT-033

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.71	32.72	25.24	273.6	0.000
10	8.14	32.91	25.64	236.4	0.025
20	6.90	33.06	25.93	208.7	0.047
30	6.08	33.15	26.10	192.0	0.067
50	5.11	33.24	26.29	174.4	0.104
75	4.54	33.31	26.41	163.4	0.146
100	4.54	33.36	26.45	159.8	0.186
150	4.41	33.41	26.50	155.2	0.265
200	4.29	33.49	26.58	148.3	0.341
250	4.18	33.61	26.69	138.6	0.413
300	4.07	33.72	26.78	129.7	0.480
400	3.90	33.90	26.94	115.2	0.602
500	3.74	34.05	27.08	103.1	0.711
600	3.57	34.17	27.19	93.1	0.809
700	3.40	34.26	27.28	85.4	0.898
800	3.24	34.32	27.34	79.9	0.981

STATION MIT-034

OBSERVED VALUES

DATE 08/26/56 HR 06 LAT 50-00N LONG 175-00E SDG BTMCODE
 WVCL 13 DIR 32 FC 06 BA 93 DRY 10.0 WET RELHU VIS 7
 WEA 60 CL 0 AMT 8 SEA 4 DIR 32 SWL 1 DIR SECDI 10 LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	11.18	32.41	24.75
1	25	7.82	32.74	25.55
1	49	4.45	32.97	26.15
1	74	3.60	33.08	26.32
1	98	3.65	33.44	26.60
2	191	3.84	33.91	26.96
2	287	3.70	34.03	27.07
2	580	3.26	34.26	27.29
2	975	2.63	34.41	27.47

STATION MIT-035

OBSERVED VALUES

DATE 08/27/56 HR 07 LAT 49-00N LONG 175-00E SDG BTMCODE
 WVCL 08 DIR 22 FC 04 BA 09 DRY 11.5 WET RELHU VIS 8
 WEA 03 CL AMT 6 SEA 4 DIR 22 SWL 7 DIR SECDI 15 LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	12.05	32.51	24.67
1	25	6.00	32.87	25.89
1	50	4.15	33.03	26.23
1	75	3.47	33.22	26.45
1	100	3.42	33.48	26.66
2	197	3.71	33.90	26.96
2	295	3.73	34.06	27.09
2	591	3.19	34.26	27.30
2	987	2.58	34.42	27.48

STATION MIT-034

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.18	32.41	24.75	320.4	0.000
10	9.85	32.55	25.09	288.5	0.030
20	8.50	32.68	25.40	258.8	0.057
30	6.91	32.80	25.72	228.4	0.081
50	4.40	32.97	26.16	187.3	0.123
75	3.60	33.10	26.34	170.0	0.168
100	3.66	33.45	26.61	144.3	0.207
150	3.80	33.75	26.84	123.5	0.274
200	3.83	33.92	26.97	111.4	0.333
250	3.75	33.99	27.03	105.8	0.387
300	3.68	34.04	27.08	101.7	0.439
400	3.53	34.13	27.16	94.2	0.537
500	3.38	34.21	27.24	87.4	0.628
600	3.23	34.27	27.30	82.1	0.713
700	3.07	34.32	27.36	77.4	0.793
800	2.91	34.37	27.41	72.7	0.868

STATION MIT-035

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.05	32.51	24.67	328.1	0.000
10	9.13	32.68	25.30	267.8	0.030
20	6.87	32.81	25.74	227.0	0.055
30	5.54	32.90	25.97	204.5	0.077
50	4.15	33.03	26.23	180.3	0.115
75	3.47	33.22	26.45	159.7	0.158
100	3.42	33.48	26.66	139.9	0.195
150	3.60	33.73	26.84	123.1	0.261
200	3.71	33.91	26.97	111.0	0.320
250	3.73	33.99	27.03	105.6	0.374
300	3.72	34.06	27.09	100.6	0.426
400	3.53	34.14	27.17	93.5	0.523
500	3.35	34.21	27.24	87.1	0.613
600	3.17	34.26	27.30	82.3	0.698
700	3.01	34.32	27.36	76.8	0.778
800	2.85	34.36	27.41	72.8	0.853

STATION MIT-036

OBSERVED VALUES

DATE 08/28/56 HR 04 LAT 48-00N LONG 175-00E SDG BTMCODE
 WVCL 05 DIR 36 FC 03 BA 25 DRY 19.0 WET RELHU VIS 9
 WEA 02 CL 6 AMT 2 SEA DIR 36 SWL 4 DIR SECDI 15 LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	13.62	32.47	24.33
1	25	10.25	32.72	25.15
1	50	4.80	32.97	26.11
1	75	3.83	33.11	26.32
2	200	3.29	33.86	26.97
2	300	3.41	34.04	27.10
2	600	3.08	34.29	27.33
2	1000	2.53	34.43	27.49

STATION MIT-037

OBSERVED VALUES

DATE 09/02/56 HR 17 LAT 47-00N LONG 180-00 SDG BTMCODE
 WVCL 13 DIR 20 FC 06 BA 14 DRY 11.7 WET RELHU VIS 7
 WEA 01 CL 0 AMT 3 SEA 3 DIR 20 SWL 4 DIR SECDI 16 LD 37

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	11.71	32.82	24.97
1	25	11.70	32.81	24.97
1	50	5.75	33.02	26.04
1	75	5.86	33.19	26.16
1	100	5.47	33.29	26.29
2	175	4.62	33.71	26.72
2	260	3.65	33.77	26.87

STATION MIT-036

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.62	32.47	24.33	360.2	0.000
10	12.52	32.57	24.63	332.4	0.035
20	11.09	32.67	24.97	300.1	0.067
30	8.80	32.78	25.43	255.9	0.095
50	4.80	32.97	26.11	191.4	0.140
75	3.83	33.11	26.32	171.4	0.185
100	3.66	33.31	26.50	154.9	0.226
150	3.41	33.63	26.78	123.8	0.297
200	3.29	33.86	26.97	110.7	0.357
250	3.36	33.96	27.04	104.2	0.411
300	3.41	34.04	27.10	99.0	0.462
400	3.31	34.14	27.19	91.3	0.557
500	3.20	34.22	27.27	84.9	0.645
600	3.08	34.29	27.33	79.1	0.727
700	2.95	34.35	27.39	74.0	0.804
800	2.82	34.39	27.44	70.3	0.876
1000	2.53	34.43	27.49	65.4	1.012

STATION MIT-037

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.71	32.82	24.97	299.3	0.000
10	11.72#	32.82#	24.97	299.7	0.030
20	11.71#	32.83#	24.98	299.0	0.060
30	10.03	32.86	25.30	268.8	0.088
50	5.75	33.02	26.04	198.1	0.135
75	5.86	33.19	26.16	187.0	0.183
100	5.47	33.29	26.29	175.2	0.228
150	4.90	33.61	26.61	145.4	0.308
200	4.34	33.77	26.80	127.9	0.376
250	3.76	33.79	26.87	120.9	0.438

STATION MIT-038

OBSERVED VALUES

DATE 09/03/56 HR 05 LAT 48-00N LONG 180-00
 WVEL 03 DIR 27 FC 02 BA 14 DRY 11.7 WET
 WEA 03 CL 0 AMT 6 SEA 0 DIR 00 SWL 1 DIR
 SDG RELHU BTMCD E VIS 7
 SECDI LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	11.76	32.68	24.85
1	24	11.34	32.67	24.92
1	47	6.36	33.15	26.07
1	71	5.82	33.19	26.17
1	94	5.70	33.32	26.29
2	186	4.12	33.73	26.79
2	280	3.52	33.85	26.94
2	576	3.36	34.15	27.20
2	974	2.78	34.38	27.43

STATION MIT-039

OBSERVED VALUES

DATE 09/04/56 HR 05 LAT 49-00N LONG 180-00
 WVEL 00 DIR 00 FC 00 BA 17 DRY 12.4 WET
 WEA 01 CL 0 AMT 7 SEA 0 DIR 00 SWL 1 DIR
 SDG RELHU BTMCD E VIS 5
 SECDI 14 LD 38

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	11.57	32.61	24.84
1	25	10.98	32.62	24.95
1	50	5.30	33.04	26.11
1	75	5.06	33.07	26.16
1	100	4.38	33.15	26.30
2	200	3.08	33.68	26.85
2	300	3.19	33.85	26.97
2	600	3.26	34.20	27.25
2	1000	2.68	34.40	27.46

STATION MIT-038

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.76	32.68	24.85	310.5	0.000
10	11.65#	32.67#	24.87	309.5	0.031
20	11.49#	32.67#	24.90	306.9	0.062
30	9.62	32.84	25.35	263.8	0.091
50	6.27	33.15	26.08	194.6	0.137
75	5.81	33.21	26.19	184.9	0.184
100	5.57	33.36	26.33	171.1	0.229
150	4.62	33.60	26.63	143.1	0.308
200	4.01	33.75	26.81	126.0	0.375
250	3.68	33.81	26.89	118.6	0.436
300	3.52	33.87	26.96	112.9	0.494
400	3.48	33.98	27.05	104.9	0.603
500	3.42	34.08	27.13	97.6	0.704
600	3.34	34.17	27.21	90.7	0.798
700	3.22	34.24	27.28	85.0	0.886
800	3.08	34.30	27.34	79.7	0.968

STATION MIT-039

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.57	32.61	24.84	312.3	0.000
10	11.40#	32.61#	24.87	309.6	0.031
20	11.12#	32.62#	24.92	304.3	0.062
30	9.41	32.74	25.31	268.0	0.091
50	5.30	33.04	26.11	191.5	0.137
75	5.06	33.07	26.16	186.9	0.184
100	4.38	33.15	26.30	173.9	0.229
150	3.55	33.46	26.63	142.9	0.308
200	3.08	33.68	26.85	122.3	0.374
250	3.14	33.77	26.91	116.4	0.434
300	3.19	33.85	26.97	111.2	0.491
400	3.26	33.99	27.08	102.0	0.598
500	3.28	34.10	27.16	94.7	0.696
600	3.26	34.20	27.25	87.7	0.787
700	3.19	34.28	27.32	81.7	0.872
800	3.07	34.34	27.37	76.6	0.951
1000	2.68	34.40	27.46	69.2	1.097

STATION MIT-040

OBSERVED VALUES

DATE 09/05/56 HR 07 LAT 50-00N LONG 180-00 SDG BTMCODE
 WVEL 13 DIR 09 FC 06 BA 08 DRY WET RELHU VIS 4
 WEA 60 CL 0 AMT 9 SEA 4 DIR 09 SWL 4 DIR SECDI LD 27

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	11.64	32.70	24.89
1	24	11.60	32.70	24.90
1	48	5.60	32.99	26.04
1	72	5.27	33.03	26.11
1	96	4.76	33.06	26.19
2	196	3.36	33.71	26.85
2	295	3.25	33.87	26.98
2	591	3.33	34.21	27.25
2	987	2.70	34.40	27.46

STATION MIT-041

OBSERVED VALUES

DATE 09/16/56 HR 02 LAT 54-00N LONG 160-00W SDG BTMCODE
 WVEL 05 DIR 32 FC 03 BA DRY WET RELHU VIS 7
 WEA 40 CL AMT 0 SEA 0 DIR 00 SWL DIR SECDI LD 37

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	10.57	32.75	25.12
1	25	10.54	32.77	25.14
1	50	4.13	33.05	26.25
1	75	3.19	33.13	26.40
1	99	3.06	33.34	26.58
2	198	4.13	33.98	26.98
2	294	3.87	34.08	27.09
2	593	3.35	34.27	27.29
2	984	2.65	34.42	27.48

STATION MIT-040

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	11.64	32.70	24.89	306.9	0.000
10	11.65#	32.70#	24.89	307.3	0.031
20	11.62#	32.70#	24.90	307.0	0.062
30	9.57	32.80	25.33	266.0	0.091
50	5.58	32.99	26.04	198.4	0.137
75	5.20	33.03	26.12	191.4	0.186
100	4.68	33.10	26.23	180.8	0.233
150	3.84	33.47	26.61	144.9	0.314
200	3.35	33.72	26.85	121.8	0.381
250	3.29	33.80	26.92	115.6	0.440
300	3.26	33.88	26.99	109.6	0.496
400	3.33	34.01	27.09	101.2	0.601
500	3.36	34.12	27.17	94.0	0.699
600	3.32	34.22	27.26	86.8	0.789
700	3.24	34.29	27.32	81.4	0.873
800	3.10	34.35	27.38	76.2	0.952

STATION MIT-041

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.57	32.75	25.12	285.1	0.000
10	10.56#	32.76#	25.13	284.4	0.028
20	10.55#	32.77	25.14	283.7	0.056
30	8.82	32.84	25.48	251.7	0.083
50	4.13	33.05	26.25	178.6	0.126
75	3.19	33.13	26.40	164.0	0.169
100	3.08	33.35	26.58	146.6	0.208
150	3.78	33.74	26.83	124.1	0.276
200	4.12	33.98	26.99	109.9	0.334
250	3.98	34.04	27.05	104.3	0.388
300	3.86	34.08	27.09	100.5	0.439
400	3.69	34.15	27.16	94.3	0.536
500	3.51	34.22	27.24	88.0	0.627
600	3.34	34.27	27.29	83.3	0.713
700	3.16	34.32	27.35	78.4	0.794
800	2.98	34.36	27.40	74.2	0.870

M.V. PARAGON

STATION PAR-001

OBSERVED VALUES

DATE 07/12/56 HR 03 LAT 59-00N LONG 140-00W SDG BTMCODE
WVEL 02 DIR 30 FC 03 BA 28 DRY 14.6 WET RELHU VIS 7
WEA 03 CL 8 AMT 4 SEA 2 DIR 30 SWL 1 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.88	32.13	24.41
2	25	8.82	32.36	25.10
2	50	6.47	32.37	25.44
2	75	5.40	32.46	25.64
2	100	4.91	32.56	25.78
1	125	4.78	32.66	25.87

STATION PAR-002

OBSERVED VALUES

DATE 07/13/56 HR 20 LAT 59-00N LONG 145-00W SDG BTMCODE
WVEL 04 DIR 28 FC 03 BA 19 DRY 17.2 WET RELHU VIS 8
WEA 00 CL AMT 0 SEA 2 DIR 28 SWL 1 DIR SECDI 7 LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.32	32.00	24.22
2	25	7.31	32.38	25.34
2	50	5.26	32.50	25.69
2	75	4.69	32.56	25.80
2	100	4.57	32.63	25.87
1	202	5.18	33.43	26.43
1	300	4.90	33.87	26.81
1	594	4.00	34.12	27.11
1	1002	3.16	34.33	27.36

STATION PAR-001

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.88	32.13	24.41	353.2	0.000
10	10.57	32.25	24.73	322.3	0.034
20	9.38	32.33	24.99	297.8	0.065
30	8.25	32.36	25.19	279.2	0.094
50	6.47	32.37	25.44	255.3	0.147
75	5.40	32.46	25.64	236.4	0.208
100	4.91	32.56	25.78	223.7	0.266

STATION PAR-002

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.32	32.00	24.22	370.6	0.000
10	9.96	32.18	24.78	317.7	0.034
20	8.08	32.32	25.18	279.6	0.064
30	6.78	32.41	25.43	255.9	0.091
50	5.26	32.50	25.69	231.6	0.140
75	4.69	32.56	25.80	221.2	0.197
100	4.57	32.63	25.87	214.9	0.252
150	4.98	33.07	26.17	186.7	0.352
200	5.18	33.42	26.43	163.3	0.439
250	5.04	33.67	26.64	143.5	0.516
300	4.90	33.87	26.81	127.5	0.584
400	4.57	33.96	26.92	118.0	0.707
500	4.26	34.05	27.03	108.8	0.820
600	3.98	34.12	27.11	101.3	0.925
700	3.74	34.19	27.19	94.3	1.023
800	3.52	34.25	27.26	88.2	1.114
1000	3.16	34.33	27.36	79.6	1.282

STATION PAR-003

OBSERVED VALUES

DATE 07/15/56 HR 07 LAT 59-00N LONG 150-00W SDG BTM CODE
 WVCL 01 DIR 25 FC 01 BA 16 DRY WET RELHU VIS 7
 WEA 00 CL AMT 0 SEA 1 DIR 25 SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.27	31.32	23.71
2	25	7.62	32.32	25.25
2	50	4.95	32.39	25.64
2	75	4.84	32.50	25.74
2	100	4.54	32.60	25.85
1	150	4.24	32.85	26.08
1	200	4.53	33.28	26.39

STATION PAR-004

OBSERVED VALUES

DATE 07/20/56 HR 02 LAT 55-00N LONG 155-00W SDG BTM CODE
 WVCL 01 DIR 11 FC 01 BA 14 DRY 16.9 WET RELHU VIS 7
 WEA 03 CL 5 AMT 8 SEA 1 DIR 11 SWL 1 DIR SECDI 21 LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.45	32.84	25.21
2	25	7.10	32.93	25.80
2	50	3.63	33.16	26.38
2	75	2.90	33.26	26.53
2	100	3.33	33.50	26.68
1	205	4.09	33.99	27.00
1	305	3.90	34.09	27.10
1	615	3.38	34.28	27.30
1	954	2.75	34.41	27.46

STATION PAR-003

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	12.27	31.32	23.71	419.8	0.000
10	10.17	31.83	24.47	346.9	0.038
20	8.39	32.19	25.04	293.6	0.070
30	6.88	32.33	25.36	263.1	0.098
50	4.95	32.39	25.64	236.5	0.148
75	4.84	32.50	25.74	227.3	0.206
100	4.54	32.60	25.85	216.9	0.262
150	4.24	32.85	26.08	195.5	0.365
200	4.53	33.28	26.39	166.6	0.456

STATION PAR-004

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.45	32.84	25.21	276.5	0.000
10	9.12	32.86	25.45	254.3	0.027
20	7.78	32.90	25.68	232.3	0.051
30	6.19	32.99	25.96	205.3	0.073
50	3.63	33.16	26.38	165.6	0.110
75	2.90	33.26	26.53	151.7	0.150
100	3.33	33.50	26.68	137.5	0.186
150	3.81	33.78	26.86	121.3	0.251
200	4.08	33.98	26.99	109.4	0.309
250	4.00	34.04	27.05	104.6	0.363
300	3.91	34.09	27.09	100.3	0.414
400	3.75	34.16	27.17	94.2	0.511
500	3.58	34.22	27.23	88.8	0.602
600	3.41	34.27	27.29	84.0	0.688
700	3.23	34.32	27.34	79.1	0.770
800	3.04	34.36	27.39	74.8	0.847

STATION PAR-005

OBSERVED VALUES

DATE 07/21/56 HR 06 LAT 54-00N LONG 155-00W SDG BTMCODE
 WVEL 02 DIR 18 FC 02 BA 02 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 18 SWL 2 DIR SECDI LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.47	32.93	25.45
2	25	8.78	32.95	25.57
2	50	4.07	33.06	26.26
2	75	2.71	33.17	26.47
2	100	3.15	33.40	26.62
1	201	4.08	33.98	26.99
1	300	3.88	34.08	27.09
1	600	3.32	34.29	27.31
1	961	2.68	34.42	27.47

STATION PAR-006

OBSERVED VALUES

DATE 07/22/56 HR 05 LAT 53-00N LONG 155-00W SDG BTMCODE
 WVEL 02 DIR 16 FC 01 BA 03 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 16 SWL 2 DIR SECDI LD 34

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.26	32.93	25.48
2	25	8.50	32.95	25.61
2	50	4.22	33.04	26.23
2	75	2.98	33.18	26.46
2	100	3.23	33.38	26.60
1	198	4.04	33.98	26.99
1	298	3.92	34.06	27.07
1	594	3.46	34.25	27.27
1	992	2.60	34.43	27.49

STATION PAR-005

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	9.47	32.93	25.45	254.3	0.000
10	9.17#	32.93	25.49	249.9	0.025
20	8.90#	32.94	25.54	245.3	0.050
30	7.57	32.97	25.76	224.4	0.073
50	4.07	33.06	26.26	177.2	0.113
75	2.71	33.17	26.47	157.0	0.155
100	3.15	33.40	26.62	143.5	0.193
150	3.75	33.75	26.84	123.0	0.260
200	4.08	33.98	26.99	109.4	0.318
250	3.98	34.03	27.04	105.1	0.372
300	3.88	34.08	27.09	100.7	0.423
400	3.69	34.16	27.17	93.6	0.520
500	3.50	34.23	27.25	87.2	0.610
600	3.32	34.29	27.31	81.6	0.694
700	3.14	34.34	27.37	76.7	0.773
800	2.96	34.38	27.42	72.5	0.848

STATION PAR-006

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	9.26	32.93	25.48	251.1	0.000
10	8.95#	32.93	25.53	246.6	0.025
20	8.65#	32.94	25.58	241.6	0.049
30	7.40	32.96	25.78	222.9	0.072
50	4.22	33.04	26.23	180.2	0.112
75	2.98	33.18	26.46	158.5	0.154
100	3.23	33.38	26.60	145.7	0.192
150	3.76	33.75	26.84	123.1	0.259
200	4.04	33.98	26.99	109.0	0.317
250	3.98	34.02	27.03	105.8	0.371
300	3.92	34.06	27.07	102.7	0.423
400	3.78	34.13	27.14	96.8	0.523
500	3.62	34.19	27.20	91.4	0.617
600	3.45	34.25	27.27	85.9	0.706
700	3.26	34.31	27.33	80.2	0.789
800	3.05	34.35	27.38	75.6	0.867

STATION PAR-007

OBSERVED VALUES

DATE 07/23/56 HR 07 LAT 52-00N LONG 155-00W SDG BTMCODE
 WVCL 01 DIR 34 FC 01 BA 03 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 34 SWL 1 DIR SECDI LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.48	32.74	25.30
2	25	8.52	32.75	25.45
2	50	4.69	32.84	26.02
2	75	3.02	32.96	26.28
2	100	2.86	33.04	26.36
1	198	4.07	33.88	26.91
1	297	3.85	34.03	27.05
1	597	3.38	34.24	27.27
3	998	2.69	34.41	27.46

STATION PAR-008

OBSERVED VALUES

DATE 07/24/56 HR 06 LAT 51-00N LONG 155-00W SDG BTMCODE
 WVCL 05 DIR 20 FC 03 BA 26 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 20 SWL 1 DIR SECDI LD 27

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.40	32.74	25.31
2	25	8.57	32.79	25.48
2	50	4.55	32.90	26.08
2	75	2.90	32.95	26.28
2	100	3.10	33.21	26.47
1	200	4.08	33.96	26.97
1	300	3.85	34.06	27.08
1	599	3.32	34.25	27.28
1	1001	2.31	34.40	27.49

STATION PAR-007

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	9.48	32.74	25.30	268.5	0.000
10	9.44	32.73	25.29	268.8	0.027
20	8.94	32.74	25.38	260.7	0.053
30	7.58	32.77	25.61	239.4	0.078
50	4.69	32.84	26.02	200.0	0.122
75	3.02	32.96	26.28	175.4	0.169
100	2.86	33.04	26.36	168.1	0.212
150	3.65	33.55	26.69	137.1	0.288
200	4.07	33.88	26.91	116.8	0.351
250	3.95	33.96	26.99	110.0	0.408
300	3.85	34.03	27.05	104.2	0.462
400	3.69	34.11	27.13	97.3	0.563
500	3.54	34.18	27.20	91.3	0.657
600	3.38	34.24	27.27	85.9	0.746
700	3.21	34.30	27.33	80.4	0.829
800	3.04	34.34	27.38	76.3	0.907

STATION PAR-008

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	9.40	32.74	25.31	267.3	0.000
10	9.04#	32.75	25.37	261.3	0.026
20	8.71#	32.78	25.45	254.4	0.052
30	7.58	32.82	25.65	235.7	0.077
50	4.55	32.90	26.08	194.0	0.120
75	2.90	32.95	26.28	175.1	0.166
100	3.10	33.21	26.47	157.3	0.208
150	3.74	33.67	26.78	128.9	0.280
200	4.08	33.96	26.97	111.0	0.340
250	3.96	34.01	27.03	106.4	0.394
300	3.85	34.06	27.08	101.9	0.446
400	3.69	34.13	27.15	95.9	0.545
500	3.52	34.19	27.21	90.4	0.638
600	3.32	34.25	27.28	84.6	0.725
700	3.10	34.30	27.34	79.2	0.807
800	2.86	34.34	27.39	74.4	0.884
1000	2.31	34.40	27.49	65.4	1.024

STATION PAR-009

OBSERVED VALUES

DATE 07/25/56 HR 04 LAT 50-00N LONG 155-00W SDG BTM CODE
 WVEL 03 DIR 24 FC 02 BA 32 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 2 DIR 24 SWL 1 DIR SECDI LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.14	32.69	25.31
2	25	9.15	32.70	25.32
2	50	4.58	32.73	25.95
2	75	3.43	32.89	26.19
2	100	3.57	33.35	26.54
1	200	3.98	33.94	26.97
1	300	3.80	34.05	27.07
1	600	3.31	34.26	27.29
1	999	2.66	34.40	27.46

STATION PAR-010

OBSERVED VALUES

DATE 07/26/56 HR 05 LAT 49-00N LONG 155-00W SDG BTM CODE
 WVEL 03 DIR 15 FC 02 BA 32 DRY WET RELHU VIS 4
 WEA 28 CL 5 AMT 8 SEA 1 DIR 15 SWL 1 DIR SECDI LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.70	32.58	25.14
2	25	8.58	32.70	25.41
2	50	5.52	32.70	25.82
2	75	4.16	32.71	25.97
2	100	3.42	32.75	26.08
1	198	4.02	33.79	26.84
1	296	3.85	33.95	26.99
1	598	3.47	34.32	27.32
1	992	2.76	34.39	27.44

STATION PAR-009

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.14	32.69	25.31	267.1	0.000
10	9.14 #	32.69	25.31	267.3	0.027
20	9.15 #	32.70	25.32	266.8	0.054
30	7.96	32.70	25.50	249.8	0.080
50	4.58	32.73	25.95	207.1	0.126
75	3.43	32.89	26.19	184.3	0.175
100	3.57	33.35	26.54	151.0	0.217
150	3.85	33.70	26.79	127.7	0.287
200	3.98	33.94	26.97	111.4	0.347
250	3.89	34.00	27.02	106.4	0.401
300	3.80	34.05	27.07	102.2	0.453
400	3.64	34.13	27.15	95.3	0.552
500	3.47	34.20	27.23	89.1	0.644
600	3.31	34.26	27.29	83.7	0.730
700	3.15	34.31	27.34	79.0	0.811
800	2.98	34.35	27.39	74.9	0.888

STATION PAR-010

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.70	32.58	25.14	283.8	0.000
10	9.48	32.64	25.22	276.1	0.028
20	8.96	32.69	25.34	264.8	0.055
30	7.83	32.70	25.52	248.0	0.081
50	5.52	32.70	25.82	219.5	0.128
75	4.16	32.71	25.97	204.6	0.181
100	3.42	32.75	26.08	194.8	0.231
150	3.82	33.39	26.55	150.7	0.317
200	4.02	33.79	26.84	123.1	0.385
250	3.93	33.88	26.93	115.8	0.445
300	3.85	33.96	27.00	109.4	0.501
400	3.74	34.11	27.13	97.9	0.605
500	3.61	34.23	27.24	88.3	0.698
600	3.47	34.32	27.32	80.9	0.783
700	3.31	34.38	27.38	75.5	0.861
800	3.14	34.41	27.42	72.1	0.935

STATION PAR-011

OBSERVED VALUES

DATE 07/27/56 HR 05 LAT 48-00N LONG 155-00W SDG BTM CODE
 WVEL 00 DIR 11 FC 01 BA 31 DRY WET RELHU VIS 4
 WEA 28 CL AMT SEA 0 DIR 11 SWL 0 DIR SECDI LD 29

CAST	DEPTH	TEMP.	SAL.	SIGMA-t
2	0	10.98	32.68	25.00
2	25	9.74	32.70	25.22
2	50	6.64	32.76	25.73
2	75	6.01	32.88	25.90
2	100	5.32	32.92	26.01
1	199	5.23	33.75	26.68
1	299	4.52	33.86	26.85
1	596	3.71	34.12	27.14
1	993	2.95	34.34	27.39

STATION PAR-012

OBSERVED VALUES

DATE 07/28/56 HR 05 LAT 46-54N LONG 155-00W SDG BTM CODE
 WVEL 03 DIR 24 FC 02 BA 33 DRY WET RELHU VIS 4
 WEA 28 CL AMT SEA 1 DIR 24 SWL 1 DIR SECDI LD 34

CAST	DEPTH	TEMP.	SAL.	SIGMA-t
2	0	11.60	32.74	24.93
2	25	10.26	32.75	25.17
2	50	6.52	32.85	25.81
2	75	6.22	33.01	25.98
2	100	6.03	33.01	26.00
1	200	5.50	33.78	26.67
1	299	4.65	33.88	26.85
1	597	3.76	34.00	27.04
1	995	2.94	34.42	27.45

STATION PAR-011

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.98	32.68	25.00	297.1	0.000
10	10.71	32.68	25.04	292.8	0.029
20	10.14	32.69	25.15	283.0	0.058
30	8.92	32.71	25.36	262.8	0.085
50	6.64	32.76	25.73	228.3	0.134
75	6.01	32.88	25.90	211.9	0.189
100	5.32	32.92	26.01	201.2	0.241
150	5.35	33.43	26.41	163.9	0.332
200	5.22	33.75	26.68	139.1	0.408
250	4.84	33.81	26.77	130.8	0.475
300	4.52	33.86	26.85	124.0	0.539
400	4.22	33.96	26.96	114.2	0.658
500	3.95	34.04	27.05	106.1	0.768
600	3.70	34.12	27.14	98.3	0.870
700	3.48	34.19	27.22	91.4	0.965
800	3.27	34.25	27.28	85.4	1.053

STATION PAR-012

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	11.60	32.74	24.93	303.3	0.000
10	11.35	32.73	24.97	299.9	0.030
20	10.72	32.74	25.09	288.7	0.059
30	9.24	32.77	25.36	263.2	0.087
50	6.52	32.85	25.81	220.0	0.135
75	6.22	33.01	25.98	204.7	0.188
100	6.03	33.01	26.00	202.7	0.239
150	5.81	33.48	26.40	165.6	0.331
200	5.50	33.78	26.67	140.1	0.407
250	5.04	33.83	26.77	131.6	0.475
300	4.65	33.88	26.85	123.9	0.539
400	4.32	33.90	26.90	119.7	0.661
500	4.02	33.94	26.96	114.3	0.778
600	3.75	34.00	27.04	107.7	0.889
700	3.51	34.08	27.13	99.9	0.993
800	3.29	34.18	27.23	90.8	1.088

STATION PAR-013

OBSERVED VALUES

DATE 07/29/56 HR 04 LAT 45-56N LONG 154-53W SDG BTMCODE
WVEL 01 DIR 06 FC 01 BA 33 DRY WET RELHU VIS 6
WEA 01 CL 5 AMT 8 SEA 1 DIR 06 SWL 1 DIR SECDI LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.58	32.69	24.71
2	25	10.62	32.70	25.07
2	50	6.96	32.91	25.80
2	75	6.52	32.94	25.88
2	100	6.09	32.97	25.96
1	200	5.72	33.67	26.56
1	300	4.74	33.85	26.82
1	600	3.82	34.12	27.13
1	999	3.00	34.35	27.39

STATION PAR-013

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	12.58	32.69	24.71	324.5	0.000
10	12.00	32.69#	24.82	314.2	0.032
20	11.15	32.70#	24.98	298.9	0.063
30	9.63	32.76	25.29	269.9	0.091
50	6.96	32.91	25.80	221.1	0.140
75	6.52	32.94	25.88	213.6	0.194
100	6.09	32.97	25.96	206.4	0.247
150	5.98	33.39	26.31	174.3	0.342
200	5.72	33.67	26.56	150.9	0.423
250	5.19	33.77	26.70	137.8	0.495
300	4.74	33.85	26.82	127.2	0.561
400	4.40	33.95	26.93	116.9	0.683
500	4.10	34.04	27.03	107.7	0.795
600	3.82	34.12	27.13	99.6	0.899
700	3.57	34.19	27.21	92.4	0.995
800	3.35	34.25	27.28	86.3	1.084

STATION PAR-014

OBSERVED VALUES

DATE 07/31/56 HR 02 LAT 45-49N LONG 160-03W SDG
WVEL 00 DIR 33 FC 01 BA 30 DRY WET RELHU BTMCODE
WEA 03 CL 1 AMT 2 SEA 1 DIR 33 SWL 1 DIR SECDI VIS 7
LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	13.96	32.92	24.61
2	25	10.47	32.98	25.32
2	50	7.65	33.19	25.93
2	75	7.87	33.29	25.97
2	100	7.26	33.33	26.09
3	200	6.21	33.77	26.58
3	299	4.95	33.87	26.81
1	520	4.13	34.05	27.04
3	598	3.92	34.15	27.14
3	998	2.96	34.36	27.40
1	1282	2.57	34.42	27.48

STATION PAR-014

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.96	32.92	24.61	333.8	0.000
10	12.48	32.93	24.91	305.2	0.032
20	11.11	32.96	25.19	279.0	0.061
30	9.66	33.03	25.49	250.4	0.087
50	7.65	33.19	25.93	209.4	0.133
75	7.87	33.29	25.97	205.4	0.185
100	7.26	33.33	26.09	194.5	0.235
150	6.76	33.59	26.36	169.2	0.326
200	6.21	33.77	26.58	149.5	0.406
250	5.50	33.82	26.70	137.7	0.478
300	4.95	33.87	26.81	128.1	0.544
400	4.53	33.93	26.90	119.8	0.668
500	4.19	34.03	27.02	109.5	0.783
600	3.91	34.15	27.14	98.3	0.887
700	3.63	34.22	27.23	90.8	0.982
800	3.38	34.27	27.29	85.1	1.070
1000	2.96	34.36	27.40	75.2	1.230
1200	2.66	34.41	27.47	69.4	1.375

STATION PAR-015

OBSERVED VALUES

DATE 08/01/56 HR 07 LAT 47-00N LONG 160-00W SDG BTMCODE
 WVEL 04 DIR 22 FC 03 BA 28 DRY WET RELHU VIS 7
 WEA 03 CL 5 AMT 5 SEA 1 DIR 22 SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	13.12	32.85	24.73
2	25	9.84	32.87	25.34
2	50	6.95	32.95	25.83
2	75	6.57	32.99	25.92
2	100	6.35	33.12	26.05
1	198	5.50	33.78	26.67
1	297	4.41	33.87	26.87
1	597	3.80	34.18	27.18
1	997	2.90	34.37	27.41

STATION PAR-016

OBSERVED VALUES

DATE 08/02/56 HR 04 LAT 48-00N LONG 160-00W SDG BTMCODE
 WVEL 04 DIR 33 FC 03 BA 21 DRY WET RELHU VIS 4
 WEA 03 CL 5 AMT 8 SEA 1 DIR 33 SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.95	32.62	24.77
2	25	9.18	32.78	25.37
2	50	5.88	32.85	25.89
2	75	5.35	32.85	25.96
2	100	4.47	32.92	26.11
1	203	4.06	33.74	26.80
1	301	3.78	33.90	26.96
1	606	3.46	34.21	27.23
1	1007	2.75	34.40	27.45

STATION PAR-015

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	13.12	32.85	24.73	322.7	0.000
10	11.76	32.85	24.99	298.2	0.031
20	10.46	32.86	25.23	275.6	0.060
30	9.06	32.89	25.48	251.6	0.086
50	6.95	32.95	25.83	218.0	0.133
75	6.57	32.99	25.92	210.5	0.187
100	6.35	33.12	26.05	198.4	0.238
150	5.94	33.53	26.42	163.4	0.328
200	5.47	33.78	26.68	139.7	0.404
250	4.87	33.83	26.79	129.6	0.471
300	4.40	33.87	26.87	121.9	0.534
400	4.21	33.99	26.98	111.8	0.651
500	4.00	34.10	27.09	102.2	0.758
600	3.79	34.18	27.18	94.8	0.856
700	3.58	34.25	27.25	88.1	0.947
800	3.36	34.31	27.32	81.9	1.032

STATION PAR-016

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.95	32.62	24.77	318.3	0.000
10	10.91	32.69	25.02	295.4	0.031
20	9.78	32.76	25.26	272.1	0.059
30	8.30	32.80	25.53	247.2	0.085
50	5.88	32.85	25.89	212.3	0.131
75	5.35	32.85	25.96	206.6	0.183
100	4.47	32.92	26.11	192.1	0.233
150	4.26	33.40	26.51	154.4	0.320
200	4.07	33.73	26.79	128.1	0.391
250	3.91	33.82	26.88	120.1	0.453
300	3.78	33.90	26.96	113.2	0.511
400	3.70	34.02	27.06	104.2	0.620
500	3.59	34.12	27.15	96.3	0.720
600	3.47	34.21	27.23	89.1	0.813
700	3.32	34.28	27.30	83.0	0.899
800	3.16	34.33	27.36	78.3	0.980
1000	2.77	34.40	27.45	70.2	1.128

STATION PAR-017

OBSERVED VALUES

DATE 08/03/56 HR 04 LAT 48-58N LONG 160-00W SDG BTMCODE
 WVEL 03 DIR 33 FC 02 BA 23 DRY WET RELHU VIS 7
 WEA 02 CL 5 AMT 8 SEA 1 DIR 33 SWL 1 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.30	32.57	24.85
2	25	7.67	32.57	25.44
2	50	5.63	32.74	25.84
2	75	5.42	32.83	25.93
2	100	4.26	32.90	26.11
1	200	3.86	33.81	26.88
1	299	3.79	33.98	27.02
1	597	3.36	34.23	27.26
1	996	2.74	34.35	27.41

STATION PAR-018

OBSERVED VALUES

DATE 08/04/56 HR 05 LAT 50-00N LONG 160-00W SDG BTMCODE
 WVEL 13 DIR 24 FC 06 BA 12 DRY WET RELHU VIS 3
 WEA 10 CL 5 AMT 8 SEA 2 DIR 24 SWL 2 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.43	32.62	25.04
2	25	7.69	32.67	25.51
2	50	4.85	32.71	25.90
2	75	4.05	32.83	26.08
2	100	3.05	32.97	26.28
1	188	4.01	33.88	26.92
1	282	3.89	34.00	27.02
1	575	3.39	34.23	27.26
1	962	2.72	34.40	27.45

STATION PAR-017

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.30	32.57	24.85	310.6	0.000
10	9.66	32.55	25.12	285.6	0.030
20	8.27	32.56	25.34	264.4	0.057
30	7.12	32.61	25.54	245.3	0.082
50	5.63	32.74	25.84	217.7	0.128
75	5.42	32.83	25.93	208.9	0.181
100	4.26	32.90	26.11	191.5	0.231
150	4.02	33.45	26.57	148.2	0.316
200	3.86	33.81	26.88	120.0	0.383
250	3.83	33.90	26.95	113.3	0.441
300	3.79	33.98	27.02	107.3	0.496
400	3.65	34.08	27.11	99.2	0.599
500	3.50	34.16	27.19	92.4	0.695
600	3.36	34.23	27.26	86.5	0.784
700	3.20	34.28	27.31	81.8	0.868
800	3.05	34.32	27.36	77.9	0.948

STATION PAR-018

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.43	32.62	25.04	292.4	0.000
10	9.35	32.64	25.24	274.1	0.028
20	8.25	32.66	25.42	256.7	0.055
30	6.96	32.67	25.61	238.8	0.080
50	4.85	32.71	25.90	211.4	0.125
75	4.05	32.83	26.08	194.5	0.176
100	3.05	32.97	26.28	175.0	0.222
150	3.72	33.58	26.71	135.5	0.300
200	4.00	33.90	26.93	114.6	0.363
250	3.93	33.96	26.99	109.8	0.419
300	3.86	34.02	27.04	105.0	0.473
400	3.69	34.10	27.12	98.1	0.575
500	3.52	34.18	27.20	91.1	0.670
600	3.35	34.25	27.28	84.9	0.758
700	3.17	34.30	27.33	80.0	0.840
800	3.00	34.35	27.39	75.1	0.918

STATION PAR-019

OBSERVED VALUES

DATE 08/05/56 HR 06 LAT 51-00N LONG 160-10W SDG BTM CODE
 WVEL 02 DIR 33 FC 02 BA 20 DRY WET RELHU VIS 8
 WEA 00 CL AMT SEA 1 DIR 33 SWL 1 DIR SECDI LD 26

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.43	32.71	25.11
2	25	8.86	32.76	25.41
2	50	5.02	32.86	26.00
2	75	3.20	32.92	26.23
2	100	2.82	33.01	26.34
1	202	4.08	33.88	26.91
1	300	3.91	34.16	27.15
1	607	3.35	34.26	27.28
1	1012	2.70	34.41	27.46

STATION PAR-020

OBSERVED VALUES

DATE 08/06/56 HR 04 LAT 51-57N LONG 160-00W SDG BTM CODE
 WVEL 05 DIR 29 FC 03 BA 24 DRY WET RELHU VIS 7
 WEA 01 CL 5 AMT 8 SEA 1 DIR 29 SWL 1 DIR SECDI LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.33	32.73	25.15
2	25	8.26	32.76	25.50
2	50	5.10	32.85	25.98
2	75	3.35	33.04	26.31
2	100	3.00	33.16	26.44
1	202	4.02	33.92	26.95
1	300	3.98	34.07	27.07
1	608	3.32	34.25	27.28
1	1013	2.70	34.42	27.47

STATION PAR-019

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.43	32.71	25.11	285.8	0.000
10	10.07	32.72	25.18	279.4	0.028
20	9.36	32.75	25.32	266.3	0.055
30	7.93	32.78	25.56	243.5	0.080
50	5.02	32.86	26.00	202.0	0.125
75	3.20	32.92	26.23	180.0	0.173
100	2.82	33.01	26.34	170.1	0.217
150	3.62	33.51	26.66	139.8	0.294
200	4.07	33.87	26.90	117.6	0.358
250	4.00	34.03	27.04	105.3	0.414
300	3.91	34.16	27.15	95.1	0.464
400	3.72	34.19	27.19	91.7	0.557
500	3.54	34.22	27.23	88.4	0.647
600	3.36	34.26	27.28	84.2	0.733
700	3.19	34.29	27.32	80.9	0.816
800	3.03	34.33	27.37	76.9	0.895
1000	2.72	34.41	27.46	68.9	1.041

STATION PAR-020

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.33	32.73	25.15	282.7	0.000
10	9.63	32.73	25.26	271.8	0.028
20	8.76	32.75	25.42	257.3	0.054
30	7.52	32.77	25.61	238.6	0.079
50	5.10	32.85	25.98	203.6	0.123
75	3.35	33.04	26.31	172.2	0.170
100	3.00	33.16	26.44	160.3	0.212
150	3.64	33.61	26.74	132.5	0.285
200	4.01	33.91	26.94	114.0	0.347
250	4.01	34.00	27.01	107.7	0.402
300	3.98	34.07	27.07	102.5	0.455
400	3.75	34.13	27.14	96.5	0.554
500	3.53	34.19	27.21	90.5	0.647
600	3.34	34.25	27.28	84.8	0.735
700	3.15	34.30	27.33	79.8	0.817
800	2.99	34.34	27.38	75.8	0.895
1000	2.72	34.42	27.47	68.2	1.039

STATION PAR-021

OBSERVED VALUES

DATE 08/07/56 HR 05 LAT 53-02N LONG 160-00W SDG BTM CODE
 WVEL 10 DIR 24 FC 05 BA 15 DRY WET RELHU VIS 3
 WEA 10 CL AMT 9 SEA 2 DIR 24 SWL 2 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.68	32.84	25.17
2	25	8.60	32.81	25.49
2	50	4.16	32.89	26.12
2	75	2.97	33.07	26.37
2	100	3.64	33.43	26.60
1	204	4.17	33.96	26.96
1	303	3.92	34.05	27.06
1	612	3.38	34.26	27.28
1	1016	2.64	34.43	27.48

STATION PAR-022

OBSERVED VALUES

DATE 08/08/56 HR 03 LAT 54-00N LONG 160-00W SDG BTM CODE
 WVEL 02 DIR 29 FC 01 BA 08 DRY WET RELHU VIS 7
 WEA 01 CL 5 AMT 8 SEA 1 DIR 29 SWL 1 DIR SECDI LD 26

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.22	32.65	24.75
2	25	10.95	32.89	25.16
2	50	4.56	33.03	26.19
2	75	3.11	33.15	26.42
2	100	3.05	33.35	26.59
1	199	4.14	33.97	26.98
1	298	3.91	34.05	27.06
1	594	3.42	34.26	27.28
1	989	2.76	34.41	27.46

STATION PAR-021

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.68	32.84	25.17	280.3	0.000
10	10.13	32.81	25.24	273.7	0.028
20	9.20	32.81	25.40	259.4	0.055
30	7.45	32.82	25.66	234.0	0.080
50	4.16	32.89	26.12	190.9	0.122
75	2.97	33.07	26.37	166.7	0.167
100	3.64	33.43	26.60	145.7	0.206
150	4.00	33.74	26.81	126.2	0.274
200	4.16	33.95	26.96	112.5	0.334
250	4.05	34.00	27.01	108.1	0.389
300	3.93	34.05	27.06	103.5	0.442
400	3.75	34.12	27.13	97.2	0.542
500	3.58	34.19	27.21	91.0	0.636
600	3.40	34.25	27.27	85.4	0.724
700	3.22	34.31	27.34	79.7	0.807
800	3.04	34.35	27.38	75.5	0.885
1000	2.67	34.43	27.48	66.9	1.027

STATION PAR-022

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.22	32.65	24.75	320.9	0.000
10	11.75#	32.76	24.92	304.6	0.031
20	11.20#	32.85	25.09	288.7	0.061
30	9.28	32.92	25.47	252.7	0.088
50	4.56	33.03	26.19	184.4	0.132
75	3.11	33.15	26.42	161.8	0.175
100	3.05	33.35	26.59	146.4	0.214
150	3.77	33.73	26.82	124.7	0.282
200	4.14	33.97	26.98	110.8	0.341
250	4.02	34.01	27.02	107.0	0.395
300	3.91	34.05	27.06	103.3	0.448
400	3.74	34.13	27.14	96.4	0.548
500	3.58	34.20	27.21	90.3	0.641
600	3.41	34.26	27.28	84.7	0.729
700	3.24	34.31	27.33	80.0	0.811
800	3.08	34.36	27.39	75.2	0.889

STATION PAR-023

OBSERVED VALUES

DATE 08/19/56 HR 06 LAT 52-00N LONG 170-00W SDG BTMCDR
 WVEL 10 DIR 28 FC 05 BA 94 DRY WET RELHU VIS 7
 WEA 04 CL 5 AMT 8 SEA 3 DIR 28 SWL 3 DIR SECDI LD 37

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.40	32.51	24.96
2	24	10.40	32.55	25.00
2	48	5.43	32.75	25.87
2	72	4.09	32.90	26.13
2	96	3.33	33.13	26.39
1	193	4.22	33.95	26.95
1	288	4.00	34.05	27.05
1	588	3.44	34.26	27.28
1	988	2.77	34.40	27.45

STATION PAR-024

OBSERVED VALUES

DATE 08/20/56 HR 07 LAT 51-00N LONG 170-00W SDG BTMCDR
 WVEL 10 DIR 24 FC 05 BA 94 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 3 DIR 24 SWL 3 DIR SECDI LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.74	32.70	25.05
2	25	10.30	32.74	25.16
2	50	5.54	32.92	25.99
2	75	4.66	32.97	26.13
2	100	4.37	33.01	26.19
1	197	3.68	33.78	26.87
1	295	3.54	33.94	27.01
1	598	3.36	34.23	27.26
1	996	2.76	34.39	27.44

STATION PAR-023

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.40	32.51	24.96	300.1	0.000
10	10.40#	32.51	24.96	300.3	0.030
20	10.40#	32.53	24.98	299.0	0.060
30	8.82	32.60	25.29	269.5	0.088
50	5.30	32.76	25.89	212.5	0.136
75	3.97	32.93	26.17	186.2	0.186
100	3.39	33.18	26.42	162.2	0.230
150	3.96	33.68	26.76	130.3	0.303
200	4.20	33.96	26.96	112.2	0.364
250	4.09	34.01	27.01	107.7	0.419
300	3.98	34.06	27.06	103.3	0.472
400	3.79	34.14	27.15	96.1	0.572
500	3.60	34.21	27.22	89.7	0.665
600	3.42	34.27	27.29	84.1	0.752
700	3.24	34.32	27.34	79.2	0.834
800	3.07	34.35	27.38	75.8	0.912

STATION PAR-024

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	10.74	32.70	25.05	291.6	0.000
10	10.60#	32.70	25.08	289.5	0.029
20	10.41#	32.72	25.13	285.1	0.058
30	9.04	32.79	25.40	258.7	0.085
50	5.54	32.92	25.99	203.2	0.131
75	4.66	32.97	26.13	190.1	0.180
100	4.37	33.01	26.19	184.4	0.227
150	3.95	33.48	26.61	145.2	0.309
200	3.68	33.79	26.88	119.7	0.375
250	3.60	33.87	26.95	113.3	0.433
300	3.54	33.95	27.02	107.0	0.488
400	3.50	34.06	27.11	99.1	0.591
500	3.44	34.15	27.19	92.5	0.687
600	3.36	34.23	27.26	86.5	0.776
700	3.25	34.29	27.32	81.5	0.860
800	3.11	34.34	27.37	77.0	0.939

STATION PAR-025

OBSERVED VALUES

DATE 08/21/56 HR 04 LAT 50-00N LONG 170-00W SDG BTMCODE
 WVEL 08 DIR 35 FC 04 BA 05 DRY WET RELHU VIS 7
 WEA 05 CL 0 AMT 7 SEA 3 DIR 35 SWL 5 DIR SECDI LD 27

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.12	32.74	25.02
2	25	10.58	32.75	25.12
2	50	5.52	32.94	26.01
2	75	5.05	33.04	26.14
2	100	4.13	33.03	26.23
1	198	3.41	33.67	26.81
1	296	3.40	33.92	27.01
1	601	3.34	34.23	27.26
1	1001	2.73	34.42	27.47

STATION PAR-026

OBSERVED VALUES

DATE 08/22/56 HR 04 LAT 49-00N LONG 170-00W SDG BTMCODE
 WVEL 13 DIR 35 FC 06 BA 08 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 3 DIR 35 SWL 3 DIR SECDI LD 21

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.84	32.79	24.93
2	24	10.08	32.92	25.34
2	48	5.46	33.03	26.08
2	71	5.00	33.03	26.14
2	95	4.49	33.09	26.24
1	201		33.74	
1	300	3.56	33.93	27.00
1	607	3.32	34.25	27.28
1	1009	2.73	34.38	27.44

STATION PAR-025

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP. VOL. ANOMALY	GEOPT. ANOMALY
0	11.12	32.74	25.02	295.0	0.000
10	10.96#	32.74#	25.05	292.5	0.029
20	10.72#	32.75#	25.10	288.0	0.058
30	9.20	32.80	25.39	260.3	0.085
50	5.52	32.94	26.01	201.5	0.131
75	5.05	33.04	26.14	189.0	0.180
100	4.13	33.03	26.23	180.5	0.226
150	3.67	33.41	26.58	147.8	0.308
200	3.41	33.68	26.82	125.4	0.376
250	3.41	33.81	26.92	115.9	0.436
300	3.40	33.92	27.01	107.9	0.492
400	3.42	34.04	27.10	99.8	0.596
500	3.40	34.14	27.18	92.9	0.692
600	3.34	34.23	27.26	86.2	0.782
700	3.25	34.30	27.33	80.8	0.866
800	3.11	34.36	27.39	75.5	0.944
1000	2.73	34.42	27.47	68.3	1.088

STATION PAR-026

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP. VOL. ANOMALY	GEOPT. ANOMALY
0	11.84	32.79	24.93	303.8	0.000
10	11.45	32.85	25.04	292.8	0.030
20	10.57	32.90	25.24	274.4	0.058
30	8.53	32.96	25.62	238.6	0.084
50	5.42	33.03	26.09	193.6	0.127
75	4.91	33.04	26.16	187.5	0.175
100	4.46	33.13	26.28	176.3	0.220
150	4.18	33.48	26.58	147.5	0.301
200	3.94	33.74	26.81	126.0	0.369
250	3.73	33.84	26.91	116.8	0.430
300	3.56	33.93	27.00	108.8	0.486
400	3.50	34.06	27.11	99.1	0.590
500	3.42	34.16	27.20	91.6	0.685
600	3.33	34.24	27.27	85.4	0.773
700	3.21	34.31	27.34	79.6	0.856
800	3.08	34.35	27.38	76.0	0.934
1000	2.75	34.38	27.43	71.4	1.081

STATION PAR-027

OBSERVED VALUES

DATE 08/23/56 HR 06 LAT 48-02N LONG 170-02W SDG BTMCDCE
 WVCL 10 DIR 15 FC 05 BA 99 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 2 DIR 15 SWL 3 DIR SECDI LD 26

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.87	32.81	24.94
2	22	8.64	32.88	25.54
2	44	5.66	32.94	25.99
2	66	5.20	32.95	26.05
2	89	4.80	32.96	26.10
1	198	3.68	33.69	26.80
1	296	3.60	33.92	26.99
1	600	3.37	34.21	27.24
1	998	2.73	34.39	27.44

STATION PAR-029

OBSERVED VALUES

DATE 08/27/56 HR 05 LAT 46-00N LONG 165-00W SDG BTMCDCE
 WVCL 05 DIR 24 FC 03 BA 07 DRY WET RELHU VIS 7
 WEA 05 CL 0 AMT 4 SEA 3 DIR 24 SWL 4 DIR SECDI LD 37

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	12.26	32.79	24.85
2	23	12.08	32.79	24.88
2	47	6.49	32.94	25.89
2	70	6.74	33.18	26.04
2	94	6.53	33.24	26.12
1	187	5.48	33.68	26.60
1	279	4.35	33.79	26.81
1	569	3.76	34.14	27.15
1	957	2.94	34.35	27.39

STATION PAR-027

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.87	32.81	24.94	302.8	0.000
10	10.37	32.84	25.23	275.4	0.029
20	8.92	32.87	25.49	250.8	0.055
30	7.26	32.91	25.76	224.7	0.079
50	5.53	32.94	26.01	201.6	0.122
75	5.04	32.95	26.07	195.7	0.172
100	4.64	33.06	26.20	183.4	0.219
150	4.04	33.43	26.56	149.9	0.302
200	3.68	33.70	26.81	126.5	0.371
250	3.64	33.82	26.91	117.4	0.432
300	3.60	33.92	26.99	109.9	0.489
400	3.55	34.03	27.08	101.9	0.595
500	3.47	34.13	27.17	94.3	0.693
600	3.37	34.21	27.24	88.0	0.784
700	3.25	34.28	27.31	82.3	0.869
800	3.10	34.33	27.36	77.7	0.949

STATION PAR-029

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	12.26	32.79	24.85	311.3	0.000
10	12.19#	32.79#	24.86	310.2	0.031
20	12.11#	32.79#	24.87	309.0	0.062
30	9.83	32.82	25.30	268.6	0.091
50	6.55	32.98	25.91	210.7	0.139
75	6.70	33.19	26.06	197.2	0.190
100	6.46	33.28	26.16	187.8	0.238
150	5.91	33.54	26.43	162.3	0.326
200	5.29	33.70	26.63	143.6	0.402
250	4.66	33.76	26.75	132.5	0.471
300	4.31	33.82	26.84	124.7	0.535
400	4.11	33.96	26.97	113.0	0.654
500	3.90	34.07	27.08	103.4	0.762
600	3.70	34.17	27.18	94.5	0.861
700	3.49	34.24	27.25	87.8	0.952
800	3.28	34.30	27.32	81.8	1.037

STATION PAR-031

OBSERVED VALUES

DATE 08/29/56 HR 11 LAT 48-00N LONG 165-00W SDG BTMCODE
 WVEL 04 DIR 33 FC 03 BA 18 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 2 DIR 33 SWL 2 DIR SECDI LD 52

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.03	32.84	25.11
2	24	11.00	32.83	25.11
2	47	10.84	32.83	25.14
2	70	7.02	33.14	25.97
2	94	6.85	33.24	26.08
1	198	4.48	33.66	26.69
1	295	4.12	33.83	26.87
1	596	3.62	34.15	27.17
1	988		34.34	

STATION PAR-032

OBSERVED VALUES

DATE 08/30/56 HR 05 LAT 48-58N LONG 164-59W SDG BTMCODE
 WVEL 06 DIR 33 FC 04 BA 22 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 2 DIR 33 SWL 3 DIR SECDI LD 43

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.34	32.65	25.08
2	24	10.30	32.65	25.09
2	48	5.14	32.87	26.00
2	72	4.62	32.92	26.09
2	95	4.23	32.99	26.19
1	197	3.79	33.81	26.88
1	294	3.71	33.96	27.01
1	603	3.32	34.24	27.27
1	1007	2.69	34.40	27.46

STATION PAR-031

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.03	32.84	25.11	286.1	0.000
10	11.03	32.83	25.10	287.1	0.029
20	11.01	32.83	25.11	286.9	0.058
30	10.97	32.83	25.11	286.5	0.087
50	10.14	32.88	25.30	269.5	0.143
75	7.00	33.16	25.99	203.3	0.202
100	6.66	33.27	26.12	191.1	0.251
150	5.32	33.50	26.47	158.3	0.338
200	4.47	33.66	26.69	137.5	0.412
250	4.27	33.76	26.80	128.3	0.478
300	4.10#	33.84	26.88	121.0	0.540
400	3.90#	33.96	26.99	110.7	0.656
500	3.74#	34.06	27.09	102.4	0.763
600		34.15			
700		34.23			
800		34.28			

STATION PAR-032

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.34	32.65	25.08	288.7	0.000
10	10.33#	32.65#	25.09	288.8	0.029
20	10.31#	32.65#	25.09	288.7	0.058
30	8.57	32.72	25.42	257.0	0.085
50	5.09	32.87	26.00	202.0	0.131
75	4.56	32.93	26.11	192.1	0.180
100	4.20	33.05	26.24	179.6	0.226
150	3.95	33.52	26.64	142.2	0.306
200	3.79	33.82	26.89	118.5	0.371
250	3.75	33.90	26.96	112.5	0.429
300	3.70	33.97	27.02	107.2	0.484
400	3.59	34.07	27.11	99.3	0.587
500	3.46	34.16	27.19	92.0	0.683
600	3.32	34.24	27.27	85.3	0.772
700	3.18	34.30	27.33	80.1	0.855
800	3.03	34.35	27.39	75.4	0.933
1000	2.70	34.40	27.46	69.4	1.078

STATION PAR-033

OBSERVED VALUES

DATE 08/31/56 HR 05 LAT 50-00N LONG 165-00W SDG
 WVCL 02 DIR 20 FC 01 BA 23 DRY WET RELHU BTMCODE
 WEA 04 CL 0 AMT 8 SEA 1 DIR 20 SWL 0 DIR SECDI VIS 7
 LD 41

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.68	32.77	25.29
2	22	9.51	32.79	25.33
2	44	4.91	32.88	26.03
2	67	3.96	32.88	26.13
2	90	3.55	33.20	26.42
1	199	4.05	33.50	26.61
1	297	3.82	34.04	27.06
1	601	3.32	34.26	27.29
1	1001	2.69	34.39	27.45

STATION PAR-034

OBSERVED VALUES

DATE 09/02/56 HR 09 LAT 52-02N LONG 164-53W SDG
 WVCL 04 DIR 20 FC 03 BA 08 DRY WET RELHU BTMCODE
 WEA 10 CL 0 AMT 8 SEA 2 DIR 20 SWL 2 DIR SECDI VIS 7
 LD 43

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.52	32.75	25.30
2	23	8.92	32.74	25.38
2	46	3.73	33.11	26.33
2	70	3.14	33.24	26.49
2	94	3.61	33.52	26.67
1	198	4.19	33.95	26.95
1	296	4.00	34.05	27.05
1	600	3.42	34.28	27.29
1	999	2.73	34.46	27.50

STATION PAR-033

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.68	32.77	25.29	269.4	0.000
10	9.62 #	32.77	25.30	268.6	0.027
20	9.53 #	32.79	25.33	266.0	0.054
30	7.42	32.83	25.68	262.8	0.079
50	4.61	32.88 #	26.06	196.2	0.122
75	3.80	33.00	26.24	179.4	0.169
100	3.63	33.21	26.42	162.1	0.212
150	3.92	33.33	26.49	156.2	0.292
200	4.05	33.51	26.62	144.4	0.367
250	3.93	33.81	26.87	121.1	0.433
300	3.81	34.04	27.06	103.0	0.489
400	3.65	34.13	27.15	95.4	0.588
500	3.48	34.20	27.22	89.2	0.680
600	3.32	34.26	27.29	83.8	0.767
700	3.16	34.31	27.34	79.1	0.848
800	3.00	34.35	27.39	75.1	0.925
1000	2.69	34.39	27.45	70.1	1.070

STATION PAR-034

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.52	32.75	25.30	268.4	0.000
10	9.32 #	32.74 #	25.32	266.3	0.027
20	9.07 #	32.74 #	25.36	262.7	0.053
30	6.86	32.88	25.79	221.8	0.077
50	3.56	33.12	26.36	167.9	0.116
75	3.25	33.30	26.53	151.7	0.156
100	3.67	33.55	26.69	136.9	0.192
150	4.02	33.79	26.84	122.7	0.257
200	4.19	33.95	26.95	112.8	0.316
250	4.09	34.00	27.00	108.5	0.371
300	3.99	34.05	27.05	104.1	0.424
400	3.80	34.14	27.14	96.2	0.524
500	3.61	34.21	27.22	89.8	0.617
600	3.42	34.28	27.29	83.4	0.704
700	3.24	34.34	27.36	77.7	0.785
800	3.06	34.39	27.41	72.8	0.860

STATION PAR-035

OBSERVED VALUES

DATE 09/03/56 HR 04 LAT 53-00N LONG 165-07W SDG BTMCODE
 WVEL 10 DIR 20 FC 05 BA 10 DRY WET RELHU VIS 8
 WEA 04 CL 4 AMT 7 SEA 2 DIR 20 SWL 3 DIR SECDI LD 37

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.40	32.60	25.03
2	22	10.27	32.60	25.06
2	45	4.61	32.77	25.97
2	68	3.99	33.09	26.29
2	92	4.42	33.34	26.45
1	198	4.26	33.87	26.88
1	295	4.03	34.00	27.01
1	599	3.56	34.24	27.25
1	999	2.77	34.40	27.45

STATION PAR-042

OBSERVED VALUES

DATE 09/16/56 HR 02 LAT 49-00N LONG 155-00W SDG BTMCODE
 WVEL 06 DIR 18 FC 04 BA 18 DRY WET RELHU VIS 7
 WEA 04 CL 0 AMT 8 SEA 3 DIR 18 SWL 3 DIR SECDI LD 43

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	97	5.31	32.89	25.99
2	488	3.75	34.12	27.13
1	792	3.18	34.32	27.35
1	989	2.82	34.39	27.44

STATION PAR-035

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.40	32.60	25.03	293.4	0.000
10	10.34#	32.60	25.04	292.6	0.029
20	10.29#	32.60#	25.05	292.0	0.058
30	7.73	32.64	25.48	251.1	0.085
50	4.39	32.85	26.06	196.2	0.130
75	4.13	33.17	26.34	169.7	0.176
100	4.41	33.39	26.49	156.2	0.217
150	4.34	33.68	26.72	134.2	0.290
200	4.25	33.87	26.88	119.5	0.353
250	4.13	33.94	26.95	113.4	0.411
300	4.02	34.00	27.01	108.2	0.466
400	3.88	34.09	27.10	100.8	0.570
500	3.73	34.17	27.18	94.1	0.667
600	3.56	34.24	27.25	87.8	0.758
700	3.38	34.30	27.31	82.2	0.843
800	3.19	34.34	27.36	77.9	0.923

STATION PAR-042

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
100	5.25	32.91	26.01	201.2	
150	4.86	33.15	26.25	179.4	
200	4.62	33.37	26.45	160.8	
250	4.40	33.56	26.62	144.7	
300	4.23	33.73	26.78	130.6	
400	3.95	33.97	26.99	110.5	
500	3.72	34.13	27.14	97.0	
600	3.51	34.22	27.24	88.8	
700	3.34	34.28	27.30	83.2	
800	3.18	34.32	27.35	79.3	

STATION PAR-043

OBSERVED VALUES

DATE 09/17/56 HR 18 LAT 49-00N LONG 150-00W SDG BTMCODE
WVEL 10 DIR 18 FC 05 BA 08 DRY WET RELHU VIS 7
WEA 10 CL 0 AMT 8 SEA 4 DIR 18 SWL 6 DIR SECDI LD 24

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	92	4.64	32.79	25.99
2	467	3.57	34.13	27.16
1	755	3.16	34.31	27.34
1	945	2.81	34.36	27.41

STATION PAR-044

OBSERVED VALUES

DATE 09/22/56 HR 03 LAT 48-46N LONG 134-56W SDG BTMCODE
WVEL 08 DIR 25 FC 04 BA 23 DRY WET RELHU VIS 7
WEA 02 CL 0 AMT 7 SEA 4 DIR 25 SWL 4 DIR SECDI LD 42

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	94	5.95	32.86	25.89
2	481	3.96	34.08	27.08
1	784	3.37	34.29	27.31
1	982	3.03	34.33	27.37

STATION PAR-043

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
100	4.59	32.83	26.02	200.1	
150	4.26	33.10	26.27	176.9	
200	4.06	33.35	26.49	156.5	
250	3.91	33.58	26.69	138.1	
300	3.80	33.77	26.85	123.1	
400	3.64	34.04	27.08	102.1	
500	3.52	34.16	27.19	92.6	
600	3.40	34.22	27.25	87.6	
700	3.26	34.28	27.31	82.4	
800	3.10	34.33	27.36	77.7	

STATION PAR-044

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
100	5.85	32.88	25.92	210.3	
150	5.34	33.09	26.15	189.2	
200	5.01	33.29	26.34	171.1	
250	4.74	33.48	26.52	154.4	
300	4.50	33.65	26.68	139.5	
400	4.13	33.92	26.94	116.2	
500	3.80	34.10	27.11	100.0	
600	3.56	34.19	27.21	91.6	
700	3.45	34.25	27.27	86.6	
800	3.32	34.29	27.31	83.0	

STATION PAR-045

OBSERVED VALUES

DATE 09/24/56 HR 02 LAT 50-00N LONG 130-00W SDG BTMCODE
WVEL 05 DIR 34 FC 03 BA 14 DRY WET RELHU VIS 7
WEA 02 CL 0 AMT 7 SEA 2 DIR 34 SWL 2 DIR SECDI LD 32

CAST	DEPTH	TEMP.	SAL.	SIGMA-t
2	92	6.24	32.82	25.82
2	465	4.42	34.05	27.01
1	736	3.88	34.28	27.25
1	923	3.40	34.35	27.35

STATION PAR-045

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP. VOL. ANOMALY	GEOPT. ANOMALY
100	6.15	32.87	25.88	214.6	
150	5.70	33.16	26.16	188.2	
200	5.40	33.41	26.39	166.5	
250	5.13	33.61	26.58	149.0	
300	4.93	33.76	26.72	136.0	
400	4.60	33.96	26.92	118.4	
500	4.31	34.08	27.04	107.1	
600	4.10	34.18	27.15	98.2	
700	3.93	34.26	27.23	91.2	
800	3.70	34.32	27.30	85.0	

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STATION TOR-002

OBSERVED VALUES

DATE 05/31/56 HR 09 LAT 53-00N LONG 165-00W SDG 3658 BTM CODE
 WVEL 03 DIR 22 FC 02 BA DRY WET RELHU VIS
 WEA 01 CL AMT 0 SEA 3 DIR 22 SWL 3 DIR SECDI LD 43

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	3.98	32.31	25.67
2	25	3.94	32.31	25.68
2	50	3.23	32.55	25.93
2	75	3.50	32.77	26.09
2	100	3.40	32.88	26.18
1	205	4.57	33.58	26.62
1	305	4.59	33.92	26.89
1	615	3.78	34.17	27.17
1	1020	3.03	34.37	27.40

STATION TOR-003

OBSERVED VALUES

DATE 06/07/56 HR 06 LAT 55-00N LONG 165-00W SDG 99 BTM CODE
 WVEL 08 DIR 32 FC 04 BA DRY WET RELHU VIS 2
 WEA 03 CL AMT 8 SEA 3 DIR 32 SWL 3 DIR SECDI LD

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	3.17	32.14	25.61
2	5	3.18	32.16	25.63
2	10	3.18	32.16	25.63
2	20	3.01	32.18	25.66
1	60	3.03	32.30	25.75
1	80	3.19	32.41	25.83
1	100	3.18	32.66	26.03

STATION TOR-002

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	3.98	32.31	25.67	232.5	0.000
10	4.04	32.28	25.64	235.4	0.023
20	4.00	32.29	25.66	234.4	0.046
30	3.72	32.36	25.74	226.6	0.069
50	3.23	32.55	25.93	208.0	0.112
75	3.50	32.77	26.09	193.9	0.162
100	3.40	32.88	26.18	184.9	0.209
150	4.10	33.26	26.42	163.3	0.296
200	4.54	33.55	26.60	146.5	0.373
250	4.60	33.75	26.75	132.6	0.443
300	4.59	33.91	26.88	121.0	0.506
400	4.32	34.01	26.99	111.5	0.622
500	4.06	34.09	27.08	103.6	0.730
600	3.81	34.16	27.16	96.5	0.830
700	3.59	34.22	27.23	90.4	0.923
800	3.39	34.28	27.30	84.5	1.010
1000	3.06	34.36	27.39	76.3	1.171

STATION TOR-003

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	3.17	32.14	25.61	238.3	0.000
10	3.18	32.16	25.63	236.9	0.024
20	3.01	32.18	25.66	234.0	0.048
30	2.98	32.20	25.68	232.3	0.071
50	2.99	32.26	25.72	227.9	0.117
75	3.17	32.37	25.80	221.2	0.173
100	3.18	32.66	26.03	199.5	0.226

STATION TOR-004

OBSERVED VALUES

DATE 06/08/56 HR 06 LAT 56-00N LONG 165-00W SDG 90 BTMCODE
 WVEL 05 DIR 32 FC 03 BA DRY 1.7 WET RELHU VIS 2
 WEA 02 CL AMT 8 SEA 3 DIR 32 SWL 3 DIR SECDI 16 LD 43

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	2.59	32.14	25.66
2	5	2.60	32.16	25.68
2	10	2.62	32.15	25.67
2	19	2.59	32.16	25.68
1	39	2.45	32.16	25.69
1	59	0.74	32.21	25.84
1	79	0.84	32.22	25.85

STATION TOR-005

OBSERVED VALUES

DATE 06/09/56 HR 05 LAT 57-00N LONG 165-00W SDG 68 BTMCODE
 WVEL 03 DIR 32 FC 02 BA DRY 2.8 WET RELHU VIS 7
 WEA 02 CL AMT 8 SEA 2 DIR 32 SWL 3 DIR SECDI 8 LD 34

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	1.31	31.82	25.50
2	5	1.26	31.81	25.49
2	10	0.90	31.82	25.52
1	20	0.77	31.85	25.55
1	30	0.76	31.87	25.57
1	50	-0.15	31.84	25.59

STATION TOR-004

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	2.59	32.14	25.66	233.7	0.000
10	2.62	32.15	25.67	233.2	0.023
20	2.62	32.16	25.68	232.5	0.046
30	2.71	32.15	25.66	233.9	0.069
50	1.29	32.19	25.79	221.1	0.115
75	0.68	32.22	25.85	215.3	0.170

STATION TOR-005

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	1.31	31.82	25.50	249.4	0.000
10	0.90	31.82	25.52	247.1	0.025
20	0.77	31.85	25.55	244.1	0.050
30	0.76	31.87	25.57	242.5	0.074
50	-0.15	31.84	25.59	240.5	0.122

STATION TOR-006

OBSERVED VALUES

DATE 06/10/56 HR 19 LAT 57-17N LONG 159-15W SDG 57 BTMCODE
 WVCL 04 DIR 04 FC 03 BA DRY 3.3 WET RELHU VIS
 WEA CL AMT SEA 1 DIR 04 SWL 0 DIR 00 SECDI 10 LD

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	0.56	31.68	25.43
2	5	0.56	31.63	25.39
2	10	0.44	31.63	25.39
1	20	0.42	31.63	25.39
1	30	0.41	31.82	25.55
1	50	0.37	31.93	25.64

STATION TOR-007

OBSERVED VALUES

DATE 06/11/56 HR 07 LAT 57-00N LONG 160-00W SDG 60 BTMCODE
 WVCL 05 DIR 09 FC 03 BA DRY 6.7 WET RELHU VIS
 WEA 01 CL AMT 7 SEA 3 DIR 09 SWL 3 DIR SECDI LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	1.82		
2	5	1.82	31.47	25.18
2	10	0.42		
1	20	0.23		
1	30	0.15	31.53	25.33
1	50	0.13	31.60	25.38

STATION TOR-006

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	0.56	31.68	25.43	256.1	0.000
10	0.44	31.63	25.39	259.3	0.026
20	0.42	31.63	25.39	259.2	0.052
30	0.41	31.82	25.55	244.6	0.077
50	0.37	31.93	25.64	235.9	0.125

STATION TOR-007

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	1.82				
10	0.42				
20	0.23				
30	0.15	31.53	25.33		
50	0.13	31.60	25.38		

STATION TOR-008

OBSERVED VALUES

DATE 06/13/56 HR 07 LAT 58-00N LONG 165-00W SDG 46 BTMCODE
WVEL 06 DIR 07 FC 04 BA DRY 2.8 WET RELHU VIS
WEA 01 CL 0 AMT 6 SEA 2 DIR 07 SWL 3 DIR SECDI LD 26

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	1.96	31.56	25.25
2	5	1.96	31.48	25.18
2	10	1.95	31.50	25.20
1	20	2.00	31.60	25.28
1	40	-0.08	31.97	25.69

STATION TOR-009

OBSERVED VALUES

DATE 06/14/56 HR 04 LAT 59-00N LONG 165-00W SDG 26 BTMCODE
WVEL 05 DIR 07 FC 03 BA DRY 2.8 WET RELHU VIS
WEA 03 CL 0 AMT 8 SEA 2 DIR 07 SWL 3 DIR SECDI 10 LD

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	1.97	31.45	25.16
2	5	1.94	31.46	25.17
1	10	1.92	31.45	25.16
1	15	1.94	31.47	25.18
1	20	1.93	31.45	25.16

STATION TOR-008

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	1.96	31.56	25.25	273.2	0.000
10	1.95	31.50	25.20	277.7	0.028
20	2.00	31.60	25.28	270.5	0.055
30	1.32	31.76	25.45	254.0	0.081

STATION TOR-009

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	1.97	31.45	25.16	281.7	0.000
10	1.92	31.45	25.16	281.3	0.028
20	1.93	31.45	25.16	281.4	0.056

STATION TOR-010

OBSERVED VALUES

DATE 06/16/56 HR 09 LAT 60-00N LONG 170-00W SDG 52 BTMCODE
 WVCL 02 DIR 27 FC 01 BA DRY 1.7 WET RELHU VIS 3
 WEA 03 CL AMT 9 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	0.72	31.44	25.23
1	5	0.18	31.46	25.27
1	10	0.04	31.45	25.27
2	20	0.02	31.46	25.27
2	30	-0.03	31.46	25.28
2	45	-0.04	31.46	25.28

STATION TOR-011

OBSERVED VALUES

DATE 06/17/56 HR 04 LAT 59-00N LONG 170-00W SDG 59 BTMCODE
 WVCL 01 DIR 27 FC 01 BA DRY 6.1 WET RELHU VIS 1
 WEA 02 CL AMT 9 SEA 0 DIR 00 SWL 0 DIR 00 SECDI 12 LD 5

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	1.75	31.53	25.24
1	5	0.81	31.57	25.33
1	10	-0.12	31.57	25.37
2	20	-0.38	31.58	25.39
2	30	-0.46	31.60	25.41
2	50	-0.51	31.62	25.42

STATION TOR-010

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	0.72	31.44	25.23	275.2	0.000
10	0.04	31.45	25.27	271.3	0.027
20	0.02	31.46	25.27	270.4	0.054
30	-0.03	31.46	25.28	270.2	0.081

STATION TOR-011

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	1.75	31.53	25.24	274.2	0.000
10	-0.12	31.57	25.37	261.5	0.027
20	-0.38	31.58	25.39	259.7	0.053
30	-0.46	31.60	25.41	257.8	0.079
50	-0.51	31.62	25.42	256.0	0.130

STATION TOR-012

OBSERVED VALUES

DATE 06/18/56 HR 04 LAT 58-00N LONG 170-00W SDG 66 BTMCODE
WVEL 00 DIR 00 FC 00 BA DRY 6.1 WET RELHU VIS 3
WEA 02 CL AMT 9 SEA 0 DIR 00 SWL DIR 00 SECDI 7 LD 2

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	3.78	31.85	25.33
1	5	2.01	31.84	25.47
1	10	0.90	31.84	25.54
2	20	0.05	31.86	25.60
2	30	-0.04	31.85	25.59
2	50	-0.16	31.87	25.61

STATION TOR-013

OBSERVED VALUES

DATE 06/19/56 HR 04 LAT 56-15N LONG 170-07W SDG 104 BTMCODE
WVEL 00 DIR 00 FC 00 BA DRY 8.3 WET RELHU VIS 8
WEA 02 CL 0 AMT 8 SEA 0 DIR 00 SWL 1 DIR SECDI 12 LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.94	32.54	25.64
2	5	4.57	32.55	25.80
2	10	4.42	32.56	25.83
2	20	3.84	32.63	25.94
1	40	3.67	32.66	25.98
1	60	3.10	32.83	26.17
1	80	2.72	32.99	26.33

STATION TOR-012

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	3.78	31.85	25.33	265.4	0.000
10	0.90	31.84	25.54	245.6	0.026
20	0.05	31.86	25.60	239.9	0.050
30	-0.04	31.85	25.59	240.3	0.074
50	-0.16	31.87	25.61	238.2	0.122

STATION TOR-013

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.94	32.54	25.64	235.7	0.000
10	4.42	32.56	25.83	218.0	0.023
20	3.84	32.63	25.94	207.3	0.044
30	3.80	32.63	25.95	206.9	0.065
50	3.36	32.75	26.08	194.1	0.105
75	2.80	32.95	26.29	174.3	0.151

STATION TOR-014

OBSERVED VALUES

DATE 06/21/56 HR 08 LAT 55-00N LONG 170-00W SDG BTMCD 8
 WVEL 00 DIR 00 FC 00 BA DRY 7.2 WET RELHU VIS 8
 WEA 01 CL AMT 6 SEA 0 DIR 00 SWL 3 DIR SECDI 5 LD 5

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.20	32.73	25.76
2	25	4.37	32.73	25.97
2	50	3.16	32.82	26.16
2	75	2.98	32.94	26.27
2	100	3.01	33.09	26.38
1	205	3.18	33.34	26.57
1	305	3.50	33.52	26.68
1	615	3.45	34.04	27.10
1	782	3.02	34.28	27.33
CB	968	2.83	34.35	27.40

STATION TOR-015

OBSERVED VALUES

DATE 06/25/56 HR 08 LAT 54-02N LONG 170-00W SDG 1875 BTMCD 8
 WVEL 05 DIR 25 FC 03 BA DRY 7.8 WET RELHU VIS 8
 WEA 02 CL 3 AMT 8 SEA 2 DIR 25 SWL DIR SECDI LD

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	7.22	33.12	25.93
2	25	4.36	33.17	26.32
2	50	3.90	33.20	26.39
2	75	3.89	33.29	26.46
1	100	3.36	33.39	26.59
1	200	3.50	33.60	26.75
1	300	3.63	33.78	26.88
1	600	3.30	34.14	27.19
1	1000	2.04	34.36	27.48

STATION TOR-014

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	6.20	32.73	25.76	224.5	0.000
10	5.39	32.72	25.85	216.1	0.022
20	4.69	32.72	25.93	208.8	0.043
30	4.05	32.75	26.02	200.2	0.063
50	3.16	32.82	26.16	187.1	0.102
75	2.98	32.94	26.27	176.6	0.147
100	3.01	33.09	26.38	165.6	0.190
150	3.07	33.22	26.48	156.6	0.271
200	3.17	33.33	26.56	149.5	0.348
250	3.34	33.42	26.62	144.6	0.422
300	3.49	33.51	26.67	139.6	0.493
400	3.59	33.69	26.81	127.7	0.627
500	3.58	33.86	26.94	115.6	0.749
600	3.47	34.02	27.08	103.3	0.858
700	3.20	34.18	27.23	89.2	0.954
800	2.99	34.30	27.35	78.7	1.038

STATION TOR-015

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	7.22	33.12	25.93	208.1	0.000
10	5.79	33.14	26.13	189.1	0.020
20	4.74	33.16	26.27	176.2	0.038
30	4.23	33.17	26.33	170.4	0.055
50	3.90	33.20	26.39	165.1	0.089
75	3.89	33.29	26.46	158.4	0.129
100	3.36	33.39	26.59	146.1	0.167
150	3.43	33.50	26.67	138.8	0.238
200	3.50	33.60	26.75	132.2	0.306
250	3.58	33.69	26.81	126.6	0.371
300	3.63	33.78	26.88	120.7	0.433
400	3.58	33.92	26.99	110.4	0.549
500	3.47	34.04	27.10	101.1	0.655
600	3.30	34.14	27.19	92.5	0.752
700	3.07	34.22	27.28	84.9	0.841
800	2.79	34.29	27.36	77.4	0.922
1000	2.04	34.36	27.48	65.6	1.065

STATION TOR-016

OBSERVED VALUES

DATE 07/29/56 HR 09 LAT 54-00N LONG 169-58W SDG 1829 BTMCODE
 WVCL 10 DIR 20 FC 05 BA 29 DRY 8.9 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 2 DIR 20 SWL 2 DIR SECDI 13 LD 37

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
4	0	7.82	32.96	25.72
4	25	7.54	33.12	25.89
4	50	4.74	33.23	26.32
3	67	3.59	33.33	26.52
3	89	3.53	33.38	26.57
5	195	3.60	33.58	26.72
6	290	3.62	33.78	26.88
5	394	3.54	33.94	27.01

STATION TOR-017

OBSERVED VALUES

DATE 07/30/56 HR 07 LAT 55-00N LONG 170-02W SDG 1829 BTMCODE
 WVCL 08 DIR 20 FC 04 BA 24 DRY 8.3 WET RELHU VIS 3
 WEA 51 CL 0 AMT 8 SEA 2 DIR 20 SWL 2 DIR SECDI 9 LD 30

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
4	0	8.10	32.84	25.59
4	25	5.76	33.13	26.13
4	50	4.07	33.23	26.40
3	69	3.55	33.26	26.47
3	90	3.44	33.31	26.52
2	192	3.57	33.56	26.71
2	292	3.56	33.76	26.87
1	392	3.53	33.92	27.00

STATION TOR-016

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.82	32.96	25.72	228.1	0.000
10	7.73 ^{1/2}	33.03	25.79	221.8	0.022
20	7.63 ^{1/2}	33.09	25.85	216.1	0.044
30	6.87	33.14	25.99	202.5	0.065
50	4.74	33.23	26.32	171.2	0.102
75	3.57	33.35	26.54	150.9	0.142
100	3.54	33.40	26.58	147.0	0.179
150	3.58	33.49	26.65	140.9	0.251
200	3.60	33.59	26.73	134.0	0.320
250	3.62	33.70	26.81	126.2	0.385
300	3.62	33.80	26.89	119.1	0.446

STATION TOR-017

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.10	32.84	25.59	240.9	0.000
10	7.09	32.98	25.84	217.0	0.023
20	6.18	33.09	26.04	197.6	0.044
30	5.33	33.16	26.20	182.7	0.063
50	4.07	33.23	26.40	164.5	0.098
75	3.51	33.27	26.48	156.3	0.138
100	3.46	33.34	26.54	150.8	0.176
150	3.53	33.46	26.63	142.7	0.249
200	3.57	33.58	26.72	134.4	0.318
250	3.57	33.68	26.80	127.3	0.383
300	3.56	33.77	26.87	120.8	0.445

STATION TOR-018

OBSERVED VALUES

DATE 07/31/56 HR 07 LAT 55-54N LONG 170-00W SDG 234 BTMCODE
 WVEL 05 DIR 36 FC 03 BA 19 DRY 7.8 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR 36 SWL 1 DIR SECDI 9 LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	7.92	32.31	25.20
2	25	6.13	32.88	25.89
2	50	3.84	33.04	26.27
3	73	3.63	33.11	26.34
3	89	3.51	33.18	26.41
1	131	3.51	33.33	26.53
1	168	3.47	33.41	26.60
1	205	3.53	33.46	26.63

STATION TOR-019

OBSERVED VALUES

DATE 08/02/56 HR 07 LAT 58-00N LONG 170-00W SDG 73 BTMCODE
 WVEL 05 DIR 22 FC 03 BA 23 DRY 7.2 WET RELHU VIS 3
 WEA 11 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI 10 LD 18

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.48	31.76	24.96
2	10	6.32	31.77	24.99
2	20	1.70	31.86	25.50
1	27	0.45	31.90	25.61
1	51	0.45	31.90	25.61
1	60	0.41	31.93	25.63

STATION TOR-018

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.92	32.31	25.20	277.9	0.000
10	7.26	32.59	25.51	248.3	0.026
20	6.53	32.80	25.77	223.5	0.050
30	5.50	32.92	25.99	202.5	0.071
50	3.84	33.04	26.27	176.6	0.109
75	3.61	33.12	26.35	168.6	0.152
100	3.51	33.23	26.45	159.5	0.193
150	3.48	33.37	26.56	149.0	0.270
200	3.52	33.45	26.62	143.7	0.343

STATION TOR-019

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.48	31.76	24.96	300.5	0.000
10	6.32	31.77	24.99	297.9	0.030
20	1.70	31.86	25.50	248.8	0.057
30	0.46	31.89	25.60	239.3	0.081
50	0.45	31.90	25.61	238.6	0.129

STATION TOR-020

OBSERVED VALUES

DATE 08/03/56 HR 05 LAT 59-00N LONG 170-00W SDG 64 BTMCODE
 WVCL 05 DIR 20 FC 03 BA 06 DRY 7.2 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR 20 SWL 1 DIR SECDI 11 LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.80	31.68	24.86
2	5	6.80	31.68	24.86
2	10	6.78	31.73	24.90
1	20	3.81	31.78	25.27
1	30	1.01	31.85	25.54
1	60	0.95	31.88	25.57

STATION TOR-021

OBSERVED VALUES

DATE 08/04/56 HR 05 LAT 59-59N LONG 170-01W SDG 95 BTMCODE
 WVCL 00 DIR 00 FC 00 BA 12 DRY 10.0 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR SWL 1 DIR SECDI LD 18

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.25	31.40	24.44
2	5	6.65	31.43	24.68
2	10	6.47	31.43	24.70
1	20	4.87	31.45	24.90
1	30	1.40	31.47	25.21
1	50	1.37	31.47	25.21

STATION TOR-020

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.80	31.68	24.86	310.3	0.000
10	6.78	31.73	24.90	306.5	0.031
20	3.81	31.78	25.27	271.1	0.060
30	1.01	31.85	25.54	245.4	0.086
50	0.96 #	31.87#	25.56	243.3	0.135

STATION TOR-021

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.25	31.40	24.44	350.2	0.000
10	6.47	31.43	24.70	325.2	0.034
20	4.87	31.45	24.90	306.1	0.066
30	1.40	31.47	25.21	276.5	0.095
50	1.37	31.47	25.21	276.3	0.150

STATION TOR-022

OBSERVED VALUES

DATE 08/05/56 HR 07 LAT 59-36N LONG 167-27W SDG 31 BTMCODE
WVEL 05 DIR 20 FC 03 BA 16 DRY 7.2 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 1 DIR 20 SWL 1 DIR SECDI 8 LD

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.86	31.03	24.34
2	5	6.84	31.05	24.36
2	10	6.84	31.03	24.34
1	20	6.80	31.04	24.35
1	28	6.82	31.03	24.34

STATION TOR-023

OBSERVED VALUES

DATE 08/06/56 HR 07 LAT 58-56N LONG 165-12W SDG 27 BTMCODE
WVEL 13 DIR 22 FC 06 BA 10 DRY 7.8 WET RELHU VIS 4
WEA 64 CL 0 AMT 8 SEA 4 DIR 22 SWL 4 DIR SECDI LD

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.67	31.04	24.37
2	5	6.68	31.03	24.36
1	10	6.66	31.03	24.36
1	20	6.66	31.03	24.36

STATION TOR-022

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.86	31.03	24.34	359.7	0.000
10	6.84	31.03	24.34	359.6	0.036
20	6.80	31.04	24.35	358.5	0.072

STATION TOR-023

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.67	31.04	24.37	356.7	0.000
10	6.66	31.03	24.36	357.4	0.036
20	6.66	31.03	24.36	357.5	0.072

STATION TOR-024

OBSERVED VALUES

DATE 08/07/56 HR 05 LAT 57-57N LONG 165-05W SDG 49 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 10 DRY 8.3 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR SWL 1 DIR SECDI 8 LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.54	31.33	24.34
2	5	8.26	31.34	24.39
2	10	8.04	31.35	24.43
1	20	3.06	31.53	25.14
1	30	2.18	31.56	25.23
1	45	2.15	31.57	25.24

STATION TOR-025

OBSERVED VALUES

DATE 08/08/56 HR 08 LAT 58-00N LONG 162-32W SDG 42 BTMCODE
 WVEL 05 DIR 04 FC 03 BA 15 DRY 8.9 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR 04 SWL 1 DIR SECDI 10 LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.27	30.28	23.56
2	5	8.27	30.38	23.64
2	10	6.52	30.76	24.17
1	20	5.52	31.00	24.48
1	35	5.49	31.00	24.48

STATION TOR-024

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.54	31.33	24.34	359.5	0.000
10	8.04	31.35	24.43	351.2	0.036
20	3.06	31.53	25.14	283.6	0.068
30	2.18	31.56	25.23	274.7	0.096

STATION TOR-025

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.27	30.28	23.56	434.0	0.000
10	6.52	30.76	24.17	375.9	0.040
20	5.52	31.00	24.48	346.7	0.076
30	5.48	31.05	24.52	342.6	0.110

STATION TOR-026

OBSERVED VALUES

DATE 08/09/56 HR 07 LAT 58-00N LONG 159-57W SDG 53 BTMCODE
 WVEL DIR FC BA 24 DRY 13.9 WET RELHU VIS 1
 WEA 01 CL 1 AMT 2 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.60	28.84	21.91
2	5	10.05	29.27	22.50
2	10	6.14	31.24	24.59
1	20	5.84	31.35	24.72
1	30	5.79	31.37	24.74
1	50	5.76	31.38	24.75

STATION TOR-027

OBSERVED VALUES

DATE 08/10/56 HR 07 LAT 56-57N LONG 160-04W SDG 57 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 36 DRY 11.7 WET RELHU VIS 8
 WEA 45 CL AMT 7 SEA 0 DIR 00 SWL DIR SECDI LD 1

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.00	31.24	23.88
2	10	4.40	31.44	24.94
2	20	4.32	31.45	24.96
1	30	4.28	31.45	24.96
1	60	4.24	31.46	24.97

STATION TOR-026

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.60	28.84	21.91	591.5	0.000
10	6.14	31.24	24.59	335.5	0.046
20	5.84	31.35	24.72	324.0	0.079
30	5.79	31.37	24.74	322.0	0.111
50	5.76	31.38	24.75	321.1	0.175

STATION TOR-027

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.00	31.24	23.88	403.9	0.000
10	4.40	31.44	24.94	302.1	0.035
20	4.32	31.45	24.96	300.7	0.065
30	4.28#	31.45#	24.96	300.4	0.095
50	4.24	31.45	24.97	300.1	0.155

STATION TOR-028

OBSERVED VALUES

DATE 08/12/56 HR 06 LAT 57-05N LONG 162-22W SDG 53 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 29 DRY 13.3 WET RELHU VIS 9
 WEA 03 CL AMT 7 SEA 1 DIR SWL 1 DIR SECDI 9 LD 11

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.96	31.13	23.96
2	10	7.96	31.18	24.31
2	20	3.14	31.39	25.02
1	30	2.41	31.45	25.13
1	60	2.30	31.45	25.13

STATION TOR-029

OBSERVED VALUES

DATE 08/13/56 HR 07 LAT 57-04N LONG 164-58W SDG 66 BTMCODE
 WVEL 09 DIR 20 FC 05 BA 17 DRY 10.0 WET RELHU VIS 2
 WEA 10 CL 0 AMT 9 SEA 3 DIR 20 SWL 3 DIR SECDI LD 8

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.58	31.59	24.22
2	10	9.19	31.59	24.45
2	20	7.39	31.64	24.75
1	30	0.79	31.80	25.51
1	60	0.78	31.81	25.52

STATION TOR-028

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.96	31.13	23.96	395.3	0.000
10	7.96	31.18	24.31	362.8	0.038
20	3.14	31.39	25.02	294.8	0.071
30	2.41	31.45	25.13	284.7	0.100
50	2.31#	31.45#	25.13	284.0	0.157

STATION TOR-029

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.58	31.59	24.22	371.1	0.000
10	9.19	31.59	24.45	349.7	0.036
20	7.39	31.64	24.75	321.1	0.070
30	0.79	31.80	25.51	248.0	0.098
50	0.78#	31.81 #	25.52	247.1	0.148

STATION TOR-030

OBSERVED VALUES

DATE 08/14/56 HR 07 LAT 56-04N LONG 164-56W SDG 97 BTMCODE
 WVCL 06 DIR 18 FC 04 BA 10 DRY 10.6 WET RELHU VIS 3
 WEA 10 CL 0 AMT 7 SEA 3 DIR 18 SWL 3 DIR SECDI 5 LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
1	0	10.98	31.98	24.45
1	10	9.20	32.00	24.76
1	20	8.58	32.00	24.86
2	30		32.13	
2	60		32.23	
2	80	1.38	32.25	25.84

STATION TOR-031

OBSERVED VALUES

DATE 09/12/56 HR 18 LAT 54-07N LONG 168-45W SDG 1829 BTMCODE
 WVCL 05 DIR 04 FC 03 BA 08 DRY 7.8 WET RELHU VIS 8
 WEA 02 CL 4 AMT 7 SEA 2 DIR 04 SWL 1 DIR SECDI 11 LD 43

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	6.84	33.05	25.93
3	25	6.70	33.07	25.96
3	50	5.54	33.12	26.15
2	72	5.06	33.29	26.34
2	96	4.62	33.34	26.42
2	192	3.65	33.45	26.61
1	279	3.68	33.69	26.80
1	371	3.58	33.87	26.95

STATION TOR-030

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.98	31.98	24.45	348.8	0.000
10	9.20	32.00	24.76	319.4	0.033
20	8.58	32.00	24.86	310.5	0.064
30		32.13			
50		32.21			
75		32.25			

STATION TOR-031

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.84	33.05	25.93	208.5	0.000
10	6.91	33.05	25.92	209.5	0.021
20	6.81	33.06	25.94	207.6	0.042
30	6.42	33.07	26.00	202.1	0.062
50	5.54	33.12	26.15	188.2	0.101
75	5.00	33.30	26.35	169.0	0.146
100	4.56	33.34	26.43	161.5	0.187
150	3.94	33.38	26.53	152.7	0.266
200	3.66	33.47	26.63	143.5	0.340
250	3.68	33.62	26.74	132.8	0.409
300	3.67	33.74	26.84	124.1	0.473

STATION TOR-032

OBSERVED VALUES

DATE 09/14/56 HR 18 LAT 55-04N LONG 170-05W SDG 1829 BTMCODE
 WVCL 08 DIR 18 FC 04 BA 18 DRY 7.8 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 2 DIR 18 SWL 2 DIR SECDI 9 LD 37

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	8.37	32.79	25.51
3	25	8.34	32.78	25.50
3	50	8.33	32.79	25.51
2	68	4.34	33.21	26.35
2	91	3.99	33.27	26.43
2	183	3.61	33.49	26.65
1	275	3.62	33.72	26.83
1	368	3.56	33.89	26.97

STATION TOR-033

OBSERVED VALUES

DATE 09/15/56 HR 06 LAT 55-58N LONG 170-01W SDG 227 BTMCODE
 WVCL 06 DIR 16 FC 04 BA 17 DRY 8.3 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR 16 SWL 1 DIR SECDI LD 47

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	7.72	32.54	25.41
3	25	7.52	32.57	25.46
3	50	6.05	32.75	25.79
2	67	3.85	33.08	26.30
2	89	3.69	33.13	26.35
2	125	3.52	33.25	26.46
1	171	3.55	33.25	26.46
1	210	3.53	33.31	26.51

STATION TOR-032

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.37	32.79	25.51	248.4	0.000
10	8.36	32.78	25.50	249.2	0.025
20	8.34	32.78	25.50	249.0	0.050
30	8.34#	32.78#	25.50	249.2	0.075
50	8.33	32.79	25.51	248.6	0.125
75	4.22	33.23	26.38	166.1	0.177
100	3.94	33.29	26.46	159.1	0.218
150	3.70	33.41	26.57	148.1	0.295
200	3.62	33.54	26.69	137.9	0.366
250	3.62	33.66	26.78	129.2	0.433
300	3.61	33.77	26.87	121.2	0.496

STATION TOR-033

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.72	32.54	25.41	258.0	0.000
10	7.79	32.53	25.39	259.9	0.026
20	7.66	32.55	25.42	256.8	0.052
30	7.39	32.58	25.48	251.1	0.077
50	6.05	32.75	25.79	221.8	0.124
75	3.79	33.10	26.32	171.7	0.173
100	3.62	33.18	26.40	164.3	0.215
150	3.54	33.24	26.46	159.4	0.296
200	3.54	33.29	26.49	155.9	0.375

.

STATION TOR-034

OBSERVED VALUES

DATE 09/16/56 HR 18 LAT 57-02N LONG 170-05W SDG 68 BTMCODE
 WVEL 05 DIR 14 FC 03 BA 12 DRY 6.7 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR 14 SWL 1 DIR SECDI 12 LD 53

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.73	31.91	25.05
2	5	6.70	31.91	25.05
2	9	6.69	31.92	25.06
1	18	6.64	31.95	25.09
1	27	6.39	31.95	25.12
1	60	4.94	32.09	25.40

STATION TOR-035

OBSERVED VALUES

DATE 09/17/56 HR 17 LAT 58-00N LONG 170-01W SDG 71 BTMCODE
 WVEL 09 DIR 02 FC 05 BA 14 DRY 5.6 WET RELHU VIS 8
 WEA 01 CL 6 AMT 2 SEA 1 DIR 02 SWL 1 DIR SECDI 11 LD 23

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.50	31.83	25.01
2	5	6.46	31.84	25.03
2	10	6.50	31.83	25.01
1	19	6.33	31.95	25.13
1	28	1.48	31.92	25.57
1	62	1.38	31.92	25.57

STATION TOR-034

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.73	31.91	25.05	292.3	0.000
10	6.69	31.92	25.06	291.2	0.029
20	6.59	31.95	25.10	287.8	0.058
30	6.29	31.95	25.13	284.3	0.087
50	5.47	32.02	25.29	269.9	0.142

STATION TOR-035

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.50	31.83	25.01	295.5	0.000
10	6.50	31.83	25.01	295.6	0.030
20	5.69	31.95	25.21	277.3	0.059
30	1.46#	31.92#	25.57	242.4	0.085
50	1.40#	31.92#	25.57	242.4	0.133

STATION TOR-036

OBSERVED VALUES

DATE 09/19/56 HR 18 LAT 56-58N LONG 164-57W SDG 71 BTM CODE
 WVEL 08 DIR 32 FC 04 RA 14 DRY 4.4 WET RELHU VIS 8
 WEA 01 CL 6 AMT 2 SEA 2 DIR 32 SWL 2 DIR SECDI 11 LD 38

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	4.75	31.83	25.22
2	4	4.76	31.83	25.21
2	9	4.75	31.83	25.22
1	18	4.76	31.83	25.21
1	27	4.74	31.83	25.22
1	59	1.10	31.92	25.59

STATION TOR-037

OBSERVED VALUES

DATE 09/21/56 HR 06 LAT 55-01N LONG 165-04W SDG 101 BTM CODE
 WVEL 08 DIR 29 FC 04 BA 19 DRY 5.0 WET RELHU VIS 8
 WEA 01 CL 6 AMT 1 SEA 2 DIR 29 SWL 2 DIR SECDI 9 LD 95

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	7.04	32.09	25.15
2	10	7.04	32.11	25.16
2	20	6.82	32.22	25.28
1	30	6.65	32.30	25.36
1	60	6.52	32.43	25.48
1	95	6.22	32.66	25.70

STATION TOR-036

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	4.75	31.83	25.22	276.1	0.000
10	4.75	31.83	25.22	276.2	0.028
20	4.79	31.83	25.21	276.7	0.056
30	4.64	31.83	25.23	275.3	0.084
50	2.69	31.88	25.45	254.3	0.137

STATION TOR-037

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.04	32.09	25.15	282.7	0.000
10	7.04	32.11	25.16	281.3	0.028
20	6.82	32.22	25.28	270.5	0.056
30	6.65	32.30	25.36	262.5	0.083
50	6.58	32.38	25.43	255.9	0.135
75	6.41	32.52	25.57	243.6	0.197

TORDENSKJOLD KING-CRAB STATIONS

STATION TOR01K1

OBSERVED VALUES

DATE 07/09/56 HR 22 LAT 55-32N LONG 163-10W SDG 64 BTMCODE
WVEL 00 DIR 00 FC 00 BA DRY 12.2 WET RELHU VIS 8
WEA 02 CL 4 AMT 1 SEA 0 DIR 00 SWL DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.58	32.00	25.14
2	10	5.87	32.01	25.23
2	20	4.67	31.98	25.34
1	30	4.57	32.00	25.37
1	60	2.72	32.01	25.55

STATION TOR02K1

OBSERVED VALUES

DATE 07/10/56 HR 02 LAT 55-46N LONG 163-35W SDG 88 BTMCODE
WVEL 05 DIR 34 FC 03 BA DRY 10.0 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 1 DIR 34 SWL 9 DIR SECDI 12 LD 29

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	6.40	31.98	25.14
3	10	6.33	31.98	25.15
3	20	5.45	31.98	25.26
2	30	2.86	32.01	25.54
1	47	0.89	32.03	25.69
2	60	0.62	32.04	25.71

STATION TOR01K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.58	32.00	25.14	283.7	0.000
10	5.87	32.01	25.23	274.7	0.028
20	4.67	31.98	25.34	264.2	0.055
30	4.57	32.00	25.37	261.8	0.081
50	3.59	32.01	25.47	251.9	0.132

STATION TOR02K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.40	31.98	25.14	283.0	0.000
10	6.33	31.98	25.15	282.3	0.028
20	5.45	31.98	25.26	272.4	0.056
30	2.86	32.01	25.54	245.7	0.082
50	0.73	32.03	25.70	230.1	0.130

STATION TOR03K1

OBSERVED VALUES

DATE 07/10/56 HR 06 LAT 56-00N LONG 163-10W SDG 86 BTMCODE
 WVCL 00 DIR 00 FC 00 BA DRY 6.7 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR SWL 9 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	6.54	31.87	25.04
3	10	6.34	31.89	25.08
3	20	4.76	31.87	25.25
2	30	2.78	31.92	25.47
2	60	0.89	31.92	25.60
1	85	0.88	31.94	25.62

STATION TOR04K1

OBSERVED VALUES

DATE 07/10/56 HR 17 LAT 55-46N LONG 162-45W SDG 58 BTMCODE
 WVCL 00 DIR 00 FC 00 BA DRY 5.6 WET RELHU VIS 2
 WEA 10 CL 0 AMT 8 SEA 1 DIR SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	6.42	31.85	25.04
3	10	6.34	31.87	25.06
3	20	3.42	31.89	25.39
2	30	2.74	31.91	25.47
2	60	2.60	31.94	25.50

STATION TOR03K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	6.54	31.87	25.04	293.0	0.000
10	6.34	31.89	25.08	289.2	0.029
20	4.76	31.87	25.25	273.4	0.057
30	2.78	31.92	25.47	251.9	0.083
50	1.29	31.92	25.58	241.6	0.132
75	0.71	31.93	25.62	237.5	0.192

STATION TOR04K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	6.42	31.85	25.04	293.0	0.000
10	6.34	31.87	25.06	290.7	0.029
20	3.42	31.89	25.39	259.4	0.057
30	2.74	31.91	25.47	252.3	0.083
50	2.61#	31.94	25.50	249.1	0.133

STATION TOR05K1

OBSERVED VALUES

DATE 07/10/56 HR 22 LAT 56-00N LONG 162-20W SDG 68 BTMCODE
WVEL 03 DIR 32 FC 02 BA DRY 7.8 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 1 DIR 32 SWL 1 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.98	31.69	24.84
2	10	6.76	31.74	24.91
2	20	3.21	31.76	25.31
1	30	1.71	31.78	25.44
1	65	1.60	31.78	25.45

STATION TOR06K1

OBSERVED VALUES

DATE 07/11/56 HR 02 LAT 56-14N LONG 162-45W SDG 73 BTMCODE
WVEL 00 DIR 00 FC 00 BA DRY 7.8 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI LD 21

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.37	31.62	24.86
2	10	5.84	31.65	24.95
2	20	4.72	31.67	25.09
1	30	0.44	31.76	25.50
1	60	0.35	31.76	25.50
1	70	0.33	31.76	25.50

STATION TOR05K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.98	31.69	24.84	311.8	0.000
10	6.76	31.74	24.91	305.5	0.031
20	3.21	31.76	25.31	267.4	0.060
30	1.71	31.78	25.44	254.9	0.086
50	1.63//	31.79	25.45	253.6	0.137

STATION TOR06K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.37	31.62	24.86	309.6	0.000
10	5.84	31.65	24.95	301.4	0.031
20	4.72	31.67	25.09	288.0	0.060
30	0.44	31.76	25.50	249.3	0.087
50	0.38	31.76	25.50	248.9	0.137

STATION TOR07K1

OBSERVED VALUES

DATE 07/11/56 HR 06 LAT 56-28N LONG 162-15W SDG 73 BTMCODE
 WVCL 00 DIR 00 FC 00 BA DRY 6.1 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI 7 LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.04	31.62	25.02
2	10	2.18	31.67	25.32
2	20	1.68	31.68	25.36
1	30	1.70	31.66	25.34
1	60	1.67	31.65	25.34
1	70	1.65	31.66	25.35

STATION TOR08K1

OBSERVED VALUES

DATE 07/11/56 HR 17 LAT 56-14N LONG 161-54W SDG 73 BTMCODE
 WVCL 03 DIR 36 FC 02 BA DRY 6.7 WET RELHU VIS 6
 WEA 10 CL 0 AMT 6 SEA 0 DIR 00 SWL DIR SECDI LD 3

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.34	31.73	24.95
2	10	4.37	31.73	25.18
2	20	3.07	31.73	25.30
1	30	3.06	31.73	25.30
1	60	3.05	31.73	25.30
1	70	3.04	31.73	25.30

STATION TOR07K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.04	31.62	25.02	294.9	0.000
10	2.18	31.67	25.32	266.4	0.028
20	1.68	31.68	25.36	262.3	0.054
30	1.70	31.66	25.34	263.9	0.080
50	1.69	31.65	25.34	264.6	0.133

STATION TOR08K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.34	31.73	24.95	301.1	0.000
10	4.37	31.73	25.18	280.0	0.029
20	3.07	31.73	25.30	268.6	0.056
30	3.06	31.73	25.30	268.5	0.083
50	3.06	31.73	25.30	268.6	0.137

STATION TOR09K1

OBSERVED VALUES

DATE 07/11/56 HR 22 LAT 56-28N LONG 161-30W SDG 62 BTMCODE
WVEL 03 DIR 02 FC 02 BA 25 DRY 7.2 WET RELHU VIS 6
WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	7.12	31.58	24.74
2	10	3.16	31.65	25.23
2	20	2.34	31.67	25.31
1	30	2.28	31.69	25.33
1	60	2.18	31.69	25.33

STATION TOR10K1

OBSERVED VALUES

DATE 07/12/56 HR 01 LAT 56-14N LONG 161-05W SDG 40 BTMCODE
WVEL 00 DIR 00 FC 00 BA 24 DRY 9.4 WET RELHU VIS 8
WEA 10 CL 0 AMT 6 SEA 0 DIR 00 SWL DIR SECDI 13 LD 3

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.89	31.60	24.91
2	10	4.70	31.60	25.04
2	20	4.67	31.60	25.04
1	30	4.66	31.60	25.04
1	38	4.63	31.60	25.05

STATION TOR09K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.12	31.58	24.74	321.8	0.000
10	3.16	31.65	25.23	275.3	0.030
20	2.34	31.67	25.31	267.5	0.057
30	2.28	31.69	25.33	265.6	0.084
50	2.20	31.70	25.34	264.3	0.137

STATION TOR10K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.89	31.60	24.91	305.6	0.000
10	4.70	31.60	25.04	293.0	0.030
20	4.67	31.60	25.04	292.8	0.059
30	4.66	31.60	25.04	292.8	0.088

STATION TOR11K1

OBSERVED VALUES

DATE 07/12/56 HR 05 LAT 56-28N LONG 160-40W SDG 55 BTMCODE
 WVCL 13 DIR 36 FC 06 BA 23 DRY 8.9 WET RELHU VIS 6
 WEA 10 CL 0 AMT 6 SEA 2 DIR 36 SWL 2 DIR SECDI LD 6

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	4.65	31.60	25.04
2	10	3.82	31.62	25.14
2	20	3.02	31.62	25.21
1	30	2.97	31.64	25.23
1	50	2.93	31.64	25.24

STATION TOR12K1

OBSERVED VALUES

DATE 07/12/56 HR 18 LAT 56-42N LONG 161-05W SDG 64 BTMCODE
 WVCL 13 DIR 09 FC 06 BA 15 DRY 6.1 WET RELHU VIS 8
 WEA 02 CL 4 AMT 6 SEA 3 DIR 09 SWL DIR SECDI LD 21

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	3.82	31.62	25.14
2	10	3.81	31.62	25.14
2	20	2.17	31.65	25.30
1	30	2.12	31.69	25.34
1	60	2.11	31.69	25.34

STATION TOR11K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	4.65	31.60	25.04	292.5	0.000
10	3.82	31.62	25.14	283.2	0.029
20	3.02	31.62	25.21	276.5	0.057
30	2.97	31.64	25.23	274.6	0.085
50	2.93	31.64	25.24	274.3	0.140

STATION TOR12K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPOT. ANOMALY
0	3.82	31.62	25.14	283.2	0.000
10	3.81	31.62	25.14	283.1	0.028
20	2.17	31.65	25.30	267.8	0.056
30	2.12	31.69	25.34	264.5	0.083
50	2.09	31.69#	25.34	264.3	0.136

STATION TOR13K1

OBSERVED VALUES

DATE 07/13/56 HR 00 LAT 56-53N LONG 160-45W SDG 71 BTMCODE
WVEL 13 DIR 09 FC 06 BA 17 DRY 11.1 WET RELHU VIS 8
WEA 02 CL 4 AMT 6 SEA 1 DIR 09 SWL DIR SECDI 10 LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	3.42	31.64	25.19
2	10	3.28	31.62	25.19
2	20	1.72	31.62	25.31
1	30	1.36	31.62	25.33
1	65	1.32	31.62	25.34

STATION TOR14K1

OBSERVED VALUES

DATE 07/13/56 HR 04 LAT 59-09N LONG 161-03W SDG 66 BTMCODE
WVEL 03 DIR 09 FC 02 BA 19 DRY 8.3 WET RELHU VIS 8
WEA 02 CL 4 AMT 5 SEA 1 DIR 09 SWL 9 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	4.65	31.33	24.83
2	10	4.52	31.36	24.87
2	20	3.04	31.36	25.00
1	30	1.49	31.42	25.17
1	65	1.24	31.44	25.20

STATION TOR13K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	3.42	31.64	25.19	278.2	0.000
10	3.28	31.62	25.19	278.5	0.028
20	1.72	31.62	25.31	267.1	0.055
30	1.36	31.62	25.33	264.9	0.082
50	1.30 [#]	31.62	25.34	264.5	0.135

STATION TOR14K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	4.65	31.33	24.83	312.8	0.000
10	4.52	31.36	24.87	309.3	0.031
20	3.04	31.36	25.00	296.3	0.061
30	1.49	31.42	25.17	280.9	0.090
50	1.32 [#]	31.44 [#]	25.19	278.3	0.146

STATION TOR15K1

OBSERVED VALUES

DATE 07/15/56 HR 03 LAT 57-23N LONG 161-30W SDG 55 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 18 DRY 8.9 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI LD 3

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.30	31.17	24.52
2	10	4.82	31.17	24.69
2	20	3.54	31.24	24.87
1	30	3.16	31.26	24.91
1	50	2.91	31.27	24.94

STATION TOR16K1

OBSERVED VALUES

DATE 07/15/56 HR 17 LAT 57-09N LONG 161-55W SDG 55 BTMCODE
 WVEL 08 DIR 32 FC 04 BA 22 DRY 8.9 WET RELHU VIS 8
 WEA 02 CL 2 AMT 1 SEA 1 DIR 32 SWL 1 DIR SECDI LD 5

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.35	31.27	24.71
2	10	3.00	31.29	24.95
2	20	2.67	31.31	24.99
1	30	2.55	31.31	25.00
1	50	2.59	31.31	25.00

STATION TOR15K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.30	31.17	24.52	342.5	0.000
10	4.82	31.17	24.69	326.6	0.033
20	3.54	31.24	24.87	309.5	0.065
30	3.16	31.26	24.91	304.9	0.096
50	2.91	31.27	24.94	302.2	0.157

STATION TOR16K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.35	31.27	24.71	324.5	0.000
10	3.00	31.29	24.95	301.3	0.031
20	2.67	31.31	24.99	297.2	0.061
30	2.55	31.31	25.00	296.4	0.091
50	2.59	31.31	25.00	296.7	0.150

STATION TOR17K1

OBSERVED VALUES

DATE 07/15/56 HR 22 LAT 56-56N LONG 161-30W SDG 66 BTMCODE
WVEL 08 DIR 32 FC 04 BA 24 DRY 10.6 WET RELHU VIS 3
WEA 10 CL 0 AMT 6 SEA 1 DIR 32 SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.02	31.44	24.88
2	10	4.34	31.56	25.04
2	20	1.62	31.55	25.26
1	30	1.40	31.55	25.28
1	60	1.19	31.55	25.29

STATION TOR18K1

OBSERVED VALUES

DATE 07/16/56 HR 02 LAT 56-31N LONG 161-55W SDG 75 BTMCODE
WVEL 10 DIR 32 FC 05 BA 25 DRY 8.3 WET RELHU VIS 2
WEA 10 CL 0 AMT 8 SEA 1 DIR 32 SWL 1 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	6.24	31.62	24.88
2	10	5.50	31.60	24.95
2	20	1.64	31.65	25.34
1	30	1.60	31.64	25.33
1	60	1.56	31.65	25.35
1	70	1.56	31.64	25.34

STATION TOR17K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.02	31.44	24.88	308.2	0.000
10	4.34	31.56	25.04	292.5	0.030
20	1.62	31.55	25.26	271.8	0.058
30	1.40	31.55	25.28	270.5	0.085
50	1.19	31.55	25.29	269.2	0.139

STATION TOR18K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	6.24	31.62	24.88	308.1	0.000
10	5.50	31.60	24.95	301.4	0.030
20	1.64	31.65	25.34	264.3	0.058
30	1.60	31.64	25.33	264.8	0.084
50	1.57	31.65	25.34	263.9	0.137

STATION TOR19K1

OBSERVED VALUES

DATE 07/16/56 HR 07 LAT 56-55N LONG 162-20W SDG 64 BTMCODE
WVEL 08 DIR 32 FC 04 BA 26 DRY 5.6 WET RELHU VIS 2
WEA 10 CL 0 AMT 8 SEA 4 DIR 32 SWL DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.27	31.51	24.91
2	10	1.97	31.51	25.21
2	20	1.63	31.51	25.23
1	30	1.47	31.51	25.24
1	60	1.28	31.60	25.32

STATION TOR20K1

OBSERVED VALUES

DATE 07/16/56 HR 21 LAT 56-41N LONG 162-45W SDG 73 BTMCODE
WVEL 08 DIR 32 FC 04 BA 25 DRY 7.8 WET RELHU VIS 3
WEA 10 CL 0 AMT 8 SEA 1 DIR 32 SWL 9 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.95	31.51	24.83
2	10	5.91	31.56	24.87
2	20	0.68	31.74	25.47
1	30	0.40	31.74	25.48
1	60	0.36	31.74	25.48
1	70	0.34	31.76	25.50

STATION TOR19K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.27	31.51	24.91	305.6	0.000
10	1.97	31.51	25.21	277.1	0.029
20	1.63	31.51	25.23	274.9	0.057
30	1.47	31.51	25.24	273.9	0.084
50	1.29	31.56	25.29	269.0	0.138

STATION TOR20K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.95	31.51	24.83	313.0	0.000
10	5.91	31.56	24.87	308.9	0.031
20	0.68	31.74	25.47	252.0	0.059
30	0.40	31.74	25.48	250.6	0.084
50	0.38	31.73	25.48	251.2	0.134

STATION TOR21K1

OBSERVED VALUES

DATE 07/17/56 HR 01 LAT 56-55N LONG 163-11W SDG 71 BTMCODE
 WVEL 05 DIR 32 FC 03 BA 25 DRY 8.3 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL DIR SECDI 19 LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	5.90	31.44	24.78
2	10	5.70	31.46	24.82
2	20	3.94	31.51	25.04
1	30	0.01	31.67	25.44
1	65	-0.01	31.67	25.45

STATION TOR21A1

OBSERVED VALUES

DATE 07/17/56 HR 17 LAT 57-09N LONG 162-20W SDG 55 BTMCODE
 WVEL 00 DIR 00 FC 00 BA 19 DRY 5.6 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 3

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	4.74	31.22	24.73
2	10	3.52	31.27	24.89
2	20	3.14	31.27	24.92
1	30	3.13	31.27	24.93
1	50	3.13	31.27	24.93

STATION TOR21K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	5.90	31.44	24.78	317.7	0.000
10	5.70	31.46	24.82	314.1	0.032
20	3.94	31.51	25.04	292.6	0.062
30	0.01	31.67	25.44	254.3	0.089
50	0.00#	31.67#	25.44	254.3	0.140

STATION TOR21A1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	4.74	31.22	24.73	322.0	0.000
10	3.52	31.27	24.89	307.0	0.031
20	3.14	31.27	24.92	303.9	0.062
30	3.13	31.27	24.93	303.9	0.092
50	3.13	31.27	24.93	303.9	0.153

STATION TOR22K1

OBSERVED VALUES

DATE 07/19/56 HR 22 LAT 56-41N LONG 163-35W SDG 73 BTM CODE
 WVCL 07 DIR 14 FC 04 BA 08 DRY 8.3 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR 14 SWL DIR SECDI 13 LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	7.49	31.46	24.59
2	10	7.40	31.46	24.60
2	20	4.76	31.58	25.02
1	30	-0.16	31.73	25.50
1	60	-0.23	31.73	25.50
1	70	-0.24	31.73	25.50

STATION TOR23K1

OBSERVED VALUES

DATE 07/20/56 HR 02 LAT 56-28N LONG 163-10W SDG 80 BTM CODE
 WVCL 05 DIR 14 FC 03 BA 08 DRY 8.9 WET RELHU VIS 4
 WEA 10 CL 0 AMT 8 SEA 1 DIR 14 SWL 1 DIR SECDI LD 9

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	7.42	31.53	24.66
3	10	7.01	31.53	24.71
3	20	0.00	31.78	25.53
2	30	-0.19	31.76	25.53
2	60	-0.25	31.78	25.54
1	80	-0.27	31.78	25.54

STATION TOR22K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.49	31.46	24.59	335.5	0.000
10	7.40	31.46	24.60	334.5	0.034
20	4.76	31.58	25.02	295.2	0.065
30	-0.16	31.73	25.50	249.0	0.092
50	-0.21	31.73	25.50	248.7	0.142

STATION TOR23K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	7.42	31.53	24.66	329.4	0.000
10	7.01	31.53	24.71	324.3	0.033
20	0.00	31.78	25.53	245.8	0.062
30	-0.19	31.76	25.53	246.6	0.087
50	-0.23	31.78	25.54	244.8	0.136
75	-0.27	31.78	25.54	244.5	0.197

STATION TOR24K1

OBSERVED VALUES

DATE 07/20/56 HR 06 LAT 56-14N LONG 163-35W SDG 86 BTMCODE
 WVEL 03 DIR 20 FC 02 BA 06 DRY 7.8 WET RELHU VIS 5
 WEA 10 CL 0 AMT 8 SEA 1 DIR 20 SWL DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	8.30	31.73	24.69
3	10	8.32	31.74	24.69
3	20	4.89	31.82	25.19
2	30	0.47	31.91	25.62
2	60	0.38	31.91	25.62
1	85	0.39	31.91	25.62

STATION TOR25K1

OBSERVED VALUES

DATE 07/20/56 HR 17 LAT 56-28N LONG 164-00W SDG 80 BTMCODE
 WVEL 08 DIR 14 FC 04 BA 00 DRY 7.8 WET RELHU VIS 5
 WEA 10 CL 0 AMT 8 SEA 1 DIR 14 SWL 1 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	8.00	31.78	24.77
3	10	8.02	31.78	24.77
3	20	4.97	31.87	25.22
2	30	0.15	31.87	25.60
2	60	0.15	31.87	25.60
1	80	0.33	31.92	25.63

STATION TOR24K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.30	31.73	24.69	326.3	0.000
10	8.32	31.74	24.69	326.0	0.033
20	4.89	31.82	25.19	278.5	0.063
30	0.47	31.91	25.62	238.0	0.089
50	0.40	31.91	25.62	237.6	0.137
75	0.38	31.91	25.62	237.4	0.196

STATION TOR25K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.00	31.78	24.77	318.5	0.000
10	8.02	31.78	24.77	318.9	0.032
20	4.97	31.87	25.22	275.5	0.062
30	0.15	31.87	25.60	239.6	0.088
50	0.11	31.86	25.59	240.1	0.136
75	0.27	31.90	25.62	237.6	0.196

STATION TOR26K1

OBSERVED VALUES

DATE 07/20/56 HR 22 LAT 56-15N LONG 164-25W SDG 86 BTMCODE
 WVCL 08 DIR 14 FC 04 BA 02 DRY 8.9 WET RELHU VIS 5
 WEA 50 CL 0 AMT 8 SEA 1 DIR 14 SWL 1 DIR SECDI 13 LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	8.12	31.87	24.82
3	10	8.08	31.89	24.85
3	20	5.04	31.96	25.29
2	30	1.02	31.98	25.64
2	60	0.53	32.00	25.69
1	85	0.54	32.01	25.69

STATION TOR27K1

OBSERVED VALUES

DATE 07/21/56 HR 06 LAT 56-00N LONG 164-00W SDG 88 BTMCODE
 WVCL 05 DIR 04 FC 03 BA 03 DRY 7.8 WET RELHU VIS 8
 WEA 01 CL 0 AMT 6 SEA 1 DIR 04 SWL 1 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	8.17	31.87	24.82
3	10	8.20	31.83	24.78
3	20	5.18	31.96	25.27
2	30	0.64	32.00	25.68
2	60	0.58	32.01	25.69
1	85	0.57	32.01	25.69

STATION TOR26K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.12	31.87	24.82	313.4	0.000
10	8.08	31.89	24.85	311.5	0.021
20	5.04	31.96	25.29	269.5	0.060
30	1.02	31.98	25.64	235.5	0.085
50	0.63	31.99	25.67	232.6	0.132
75	0.49	32.01	25.70	230.3	0.190

STATION TOR27K1

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.17	31.87	24.82	314.1	0.000
10	8.20	31.83	24.78	317.6	0.032
20	5.18	31.96	25.27	271.0	0.061
30	0.64	32.00	25.68	232.0	0.086
50	0.59	32.01	25.69	230.9	0.132
75	0.57	32.01	25.69	230.7	0.190

STATION TOR01K2

OBSERVED VALUES

DATE 08/20/56 HR 20 LAT 55-32N LONG 163-10W SDG 64 BTMCODE
WVEL 10 DIR 22 FC 05 BA 97 DRY 8.3 WET RELHU VIS 1
WEA 10 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI 12 LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.47	31.74	24.52
2	5	9.46	31.74	24.52
2	10	9.43	31.74	24.52
1	20	8.01	31.92	24.88
1	30	7.02	32.05	25.12
1	60	4.54	32.25	25.57

STATION TOR02K2

OBSERVED VALUES

DATE 08/21/56 HR 00 LAT 55-46N LONG 163-35W SDG 88 BTMCODE
WVEL 10 DIR 22 FC 05 BA 97 DRY 8.9 WET RELHU VIS 1
WEA 10 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI 12 LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.26	31.85	24.47
2	5	10.27	31.85	24.47
2	10	10.25	31.85	24.48
1	20	8.94	31.94	24.76
1	30	5.68	32.20	25.40
1	50	3.80	32.29	25.68

STATION TOR01K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.47	31.74	24.52	342.6	0.000
10	9.43	31.74	24.52	342.1	0.034
20	8.01	31.92	24.88	308.4	0.067
30	7.02	32.05	25.12	285.8	0.097
50	5.28	32.21	25.46	253.6	0.151

STATION TOR02K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.26	31.85	24.47	346.7	0.000
10	10.25	31.85	24.48	346.7	0.035
20	8.94	31.94	24.76	320.2	0.068
30	5.68	32.20	25.40	258.5	0.097
50	3.80	32.29	25.68	232.7	0.146

STATION TOR03K2

OBSERVED VALUES

DATE 08/21/56 HR 04 LAT 56-00N LONG 163-10W SDG 93 BTMCODE
 WVEL 10 DIR 22 FC 05 BA 96 DRY 8.9 WET RELHU VIS 2
 WEA 10 CL 0 AMT 8 SEA 2 DIR 22 SWL 2 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.77	31.80	24.35
2	10	10.78	31.78	24.33
2	20	2.60	32.05	25.59
1	30	1.10	32.05	25.69
1	60	1.10	32.05	25.69
1	90	1.08	32.03	25.68

STATION TOR04K2

OBSERVED VALUES

DATE 08/21/56 HR 18 LAT 55-46N LONG 162-43W SDG 68 BTMCODE
 WVEL 05 DIR 11 FC 03 BA 95 DRY 8.9 WET RELHU VIS 1
 WEA 01 CL 6 AMT 7 SEA 1 DIR 11 SWL 1 DIR SECDI LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.24	31.83	24.46
2	5	10.24	31.82	24.45
2	10	10.24	31.82	24.45
1	20	6.86	32.07	25.15
1	30	4.78	32.18	25.49
1	65	3.17	32.16	25.63

STATION TOR03K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.77	31.80	24.35	358.7	0.000
10	10.78	31.78	24.33	360.5	0.036
20	2.60	32.05	25.59	240.6	0.066
30	1.10	32.05	25.69	230.6	0.090
50	1.10	32.05	25.69	230.6	0.136
75	1.09	32.04	25.69	231.3	0.194

STATION TOR04K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.24	31.83	24.46	347.9	0.000
10	10.24	31.82	24.45	348.8	0.035
20	6.86	32.07	25.15	282.2	0.067
30	4.78	32.18	25.49	250.3	0.094
50	3.65#	32.17#	25.59	240.4	0.143

STATION TOR05K2

OBSERVED VALUES

DATE 08/21/56 HR 22 LAT 56-00N LONG 162-20W SDG 77 BTMCODE
WVEL 09 DIR 07 FC 05 BA 97 DRY 13.3 WET RELHU VIS 8
WEA 01 CL 6 AMT 6 SEA 1 DIR 07 SWL 1 DIR SECDI 12 LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.84	31.76	24.31
2	10	10.78	31.74	24.30
2	20	8.32	31.92	24.83
1	30	3.03	32.00	25.51
1	60	2.99	32.00	25.52
1	75	3.03	32.00	25.51

STATION TOR06K2

OBSERVED VALUES

DATE 08/22/56 HR 02 LAT 56-14N LONG 162-45W SDG 84 BTMCODE
WVEL DIR FC BA 98 DRY 16.7 WET RELHU VIS 8
WEA 02 CL 6 AMT 6 SEA 1 DIR SWL 1 DIR SECDI LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.22	31.55	24.08
2	10	11.58	31.51	23.98
2	20	7.70	31.94	24.94
1	26	1.86	32.00	25.60
1	51	1.69	32.00	25.62
1	67	1.68	32.00	25.62

STATION TOR05K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.84	31.76	24.31	362.8	0.000
10	10.78	31.74	24.30	363.4	0.036
20	8.32	31.92	24.83	312.7	0.070
30	3.03	32.00	25.51	247.8	0.098
50	2.99	32.00	25.52	247.6	0.148
75	3.03	32.00	25.51	248.0	0.210

STATION TOR06K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.22	31.55	24.08	384.6	0.000
10	11.58	31.51	23.98	393.9	0.039
20	7.70	31.94	24.94	302.8	0.074
30	1.82	32.00	25.61	238.9	0.101
50	1.69	32.00	25.62	238.1	0.149

STATION TOR07K2

OBSERVED VALUES

DATE 08/22/56 HR 05 LAT 56-28N LONG 162-15W SDG 77 BTMCODE
 WVEL 05 DIR 14 FC 03 BA 98 DRY 12.8 WET RELHU VIS 8
 WEA 02 CL 6 AMT 6 SEA 1 DIR 14 SWL 1 DIR SECDI LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.81	31.47	24.09
2	10	10.82	31.49	24.10
2	20	1.88	31.83	25.47
1	23	1.64	31.83	25.48
1	50	1.53	31.85	25.51
1	63	1.52	31.85	25.51

STATION TOR08K2

OBSERVED VALUES

DATE 08/22/56 HR 17 LAT 56-12N LONG 161-52W SDG 79 BTMCODE
 WVEL 03 DIR 36 FC 02 BA 02 DRY 11.7 WET RELHU VIS 8
 WEA 02 CL 4 AMT 4 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.80	31.82	24.36
2	10	10.81	31.83	24.37
2	20	4.95	31.97	25.31
1	28	2.44	31.89	25.47
1	56	2.42	31.89	25.48
1	69	2.43	31.87	25.46

STATION TOR07K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.81	31.47	24.09	383.7	0.000
10	10.82	31.49	24.10	382.6	0.038
20	1.88	31.83	25.47	252.2	0.070
30	1.60	31.84	25.49	249.6	0.095
50	1.53	31.85	25.51	248.4	0.145

STATION TOR08K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.80	31.82	24.36	357.7	0.000
10	10.81	31.83	24.37	357.3	0.036
20	4.95	31.97	25.31	267.8	0.067
30	2.44	31.89	25.47	251.6	0.093
50	2.42	31.89	25.48	251.5	0.143

STATION TOR09K2

OBSERVED VALUES

DATE 08/22/56 HR 22 LAT 56-29N LONG 161-26W SDG 68 BTMCODE
WVEL 03 DIR 16 FC 02 BA 03 DRY 12.8 WET RELHU VIS 8
WEA 02 CL 4 AMT 5 SEA 0 DIR 00 SWL 0 DIR 00 SECDI 13 LD 11

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.11	31.78	24.27
2	5	11.00	31.80	24.31
2	10	10.80	31.80	24.34
1	20	4.98	31.87	25.22
1	29	4.55	31.87	25.27
1	62	3.90	31.85	25.32

STATION TOR10K2

OBSERVED VALUES

DATE 08/23/56 HR 03 LAT 56-22N LONG 161-20W SDG 48 BTMCODE
WVEL DIR FC BA 03 DRY 10.0 WET RELHU VIS 8
WEA 03 CL 6 AMT 8 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 23

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	11.46	31.58	24.06
2	5	10.37	31.56	24.23
2	10	10.22	31.56	24.26
1	18	10.12	31.56	24.27
1	26	7.24	31.74	24.85
1	39	6.89	31.76	24.91

STATION TOR09K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.11	31.78	24.27	365.8	0.000
10	10.80	31.80	24.34	359.3	0.036
20	4.98	31.87	25.22	275.6	0.068
30	4.51	31.87	25.27	271.0	0.095
50	3.97	31.86	25.32	266.7	0.149

STATION TOR10K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	11.46	31.58	24.06	386.5	0.000
10	10.22	31.56	24.26	367.7	0.038
20	9.21	31.62	24.47	347.9	0.074
30	7.10#	31.75#	24.81	309.2	0.107

STATION TOR11K2

OBSERVED VALUES

DATE 08/26/56 HR 21 LAT 56-28N LONG 160-40W SDG 58 BTMCODE
 WVEL 10 DIR 07 FC 05 BA 97 DRY 10.0 WET RELHU VIS 8
 WEA 02 CL 6 AMT 8 SEA 2 DIR 07 SWL 0 DIR 00 SECDI LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.82	31.62	24.37
2	5	9.81	31.62	24.37
2	10	9.78	31.62	24.37
1	17	7.92	31.71	24.73
1	25	6.37	31.74	24.96
1	46	5.02	31.74	25.12

STATION TOR12K2

OBSERVED VALUES

DATE 08/27/56 HR 00 LAT 56-40N LONG 161-00W SDG 71 BTMCODE
 WVEL 14 DIR 04 FC 07 BA 93 DRY 10.6 WET RELHU VIS 8
 WEA 02 CL 6 AMT 8 SEA 1 DIR 04 SWL 1 DIR SECDI 7 LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.26	31.64	24.47
2	5	9.24	31.62	24.46
2	10	9.19	31.64	24.48
1	18	3.22	31.67	25.24
1	26	3.16	31.67	25.24
1	55	3.01	31.67	25.25

STATION TOR11K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.82	31.62	24.37	356.8	0.000
10	9.78	31.62	24.37	356.4	0.036
20	7.27	31.72	24.83	313.5	0.069
30	5.69	31.75	25.05	292.4	0.099

STATION TOR12K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.26	31.64	24.47	346.8	0.000
10	9.19	31.64	24.48	346.0	0.035
20	3.20	31.67	25.24	274.1	0.066
30	3.13	31.67	25.24	273.6	0.093
50	3.03	31.67	25.25	272.9	0.148

STATION TOR13K2

OBSERVED VALUES

DATE 08/27/56 HR 05 LAT 56-52N LONG 160-40W SDG 71 BTMCODE
WVEL 08 DIR 04 FC 04 BA 90 DRY 10.0 WET RELHU VIS 8
WEA 02 CL 6 AMT 8 SEA 2 DIR 04 SWL 2 DIR SECDI LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.38	31.58	24.56
2	5	8.48	31.58	24.55
2	10	8.30	31.58	24.57
1	17	3.66	31.60	25.14
1	26	3.56	31.60	25.15
1	56	3.53	31.58	25.14

STATION TOR14K2

OBSERVED VALUES

DATE 08/27/56 HR 19 LAT 57-10N LONG 161-04W SDG 66 BTMCODE
WVEL 06 DIR 14 FC 04 BA 88 DRY 10.0 WET RELHU VIS 8
WEA 02 CL 4 AMT 7 SEA 1 DIR 14 SWL 1 DIR SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.21	31.40	24.44
2	5	8.24	31.40	24.44
2	10	8.16	31.40	24.45
1	18	3.64	31.51	25.07
1	27	2.81	31.55	25.17
1	55	2.80	31.53	25.16

STATION TOR13K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.38	31.58	24.56	338.6	0.000
10	8.30	31.58	24.57	337.6	0.034
20	3.62	31.60	25.14	283.0	0.065
30	3.53	31.60	25.15	282.2	0.093
50	3.50	31.59	25.15	282.8	0.150

STATION TOR14K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.21	31.40	24.44	349.6	0.000
10	8.16	31.40	24.45	349.1	0.035
20	3.42	31.52	25.10	287.3	0.067
30	2.80 #	31.56	25.18	279.3	0.095
50	2.80 #	31.55	25.18	280.1	0.151

STATION TOR15K2

OBSERVED VALUES

DATE 08/27/56 HR 23 LAT 57-26N LONG 161-25W SDG 58 BTMCODE
 WVEL 05 DIR 04 FC 03 BA 87 DRY 12.8 WET RELHU VIS 8
 WEA 02 CL 4 AMT 7 SEA 1 DIR 04 SWL 1 DIR SECDI 8 LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.05	31.06	24.20
2	5	8.02	31.06	24.21
2	10	7.90	31.06	24.22
1	19	5.93	31.20	24.59
1	28	2.86	31.40	25.05
1	52	2.81	31.40	25.06

STATION TOR16K2

OBSERVED VALUES

DATE 08/28/56 HR 03 LAT 57-10N LONG 161-56W SDG 53 BTMCODE
 WVEL 03 DIR 32 FC 02 BA 86 DRY 10.6 WET RELHU VIS 8
 WEA 02 CL 6 AMT 7 SEA 1 DIR 32 SWL 1 DIR SECDI LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.75	31.11	24.14
2	5	8.74	31.11	24.14
2	10	8.53	31.11	24.17
1	18	4.31	31.26	24.81
1	28	3.39	31.29	24.92
1	46	2.91	31.38	25.03

STATION TOR15K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.05	31.06	24.20	372.8	0.000
10	7.90	31.06	24.22	370.9	0.037
20	5.51	31.23	24.66	329.3	0.072
30	2.86 #	31.40 #	25.05	291.9	0.103
50	2.80 #	31.40 #	25.06	291.5	0.161

STATION TOR16K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.75	31.11	24.14	378.8	0.000
10	8.53	31.11	24.17	375.8	0.038
20	4.09	31.26	24.83	312.9	0.072
30	3.26	31.30	24.94	302.6	0.103

STATION TOR17K2

OBSERVED VALUES

DATE 08/28/56 HR 06 LAT 56-54N LONG 161-36W SDG 79 BTMCODE
WVEL DIR FC BA 91 DRY 14.4 WET RELHU VIS 8
WEA 02 CL 6 AMT 7 SEA 1 DIR SWL 1 DIR SECDI LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.51	31.53	24.35
2	10	9.50	31.53	24.35
2	18	2.55	31.46	25.12
1	27	2.09	31.49	25.18
1	54	1.98	31.58	25.26
1	68	1.95	31.58	25.26

STATION TOR18K2

OBSERVED VALUES

DATE 08/28/56 HR 19 LAT 56-31N LONG 161-58W SDG 68 BTMCODE
WVEL 08 DIR 22 FC 04 BA 00 DRY 9.4 WET RELHU VIS 8
WEA 02 CL 6 AMT 7 SEA 1 DIR 22 SWL 1 DIR SECDI LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.70	31.56	24.34
2	5	9.72	31.55	24.33
2	9	9.62	31.56	24.35
1	18	1.98	31.56	25.24
1	27	1.96	31.62	25.29
1	58	2.00	31.62	25.29

STATION TOR17K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.51	31.53	24.35	358.8	0.000
10	9.50	31.53	24.35	358.8	0.036
20	2.43	31.47	25.14	283.3	0.068
30	2.07	31.51	25.20	277.8	0.096
50	1.99	31.57	25.25	272.7	0.151

STATION TOR18K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.70	31.56	24.34	359.4	0.000
10	8.39	31.56	24.54	340.4	0.035
20	1.97	31.58	25.26	271.8	0.066
30	1.96	31.63	25.30	267.9	0.093
50	1.97 //	31.62 //	25.29	268.8	0.147

STATION TOR19K2

OBSERVED VALUES

DATE 08/28/56 HR 22 LAT 56-55N LONG 162-20W SDG 66 BTMCODE
WVEL 05 DIR 22 FC 03 BA 01 DRY 11.1 WET RELHU VIS 6
WEA 02 CL 6 AMT 7 SEA 1 DIR 22 SWL 1 DIR SECDI 6 LD 14

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.64	31.35	24.19
2	5	9.64	31.33	24.17
2	8	9.56	31.35	24.20
1	16	2.46	31.46	25.13
1	23	2.26	31.51	25.18
1	46	2.15	31.65	25.30

STATION TOR20K2

OBSERVED VALUES

DATE 08/29/56 HR 03 LAT 56-40N LONG 162-46W SDG 70 BTMCODE
WVEL 10 DIR 22 FC 05 BA 02 DRY 8.3 WET RELHU VIS 4
WEA 51 CL 0 AMT 8 SEA 2 DIR 22 SWL 2 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.68	31.36	24.19
2	4	9.66	31.38	24.21
2	8	9.53	31.38	24.23
1	16	1.82	31.67	25.34
1	25	1.62	31.67	25.36
1	55	1.28	31.74	25.43

STATION TOR19K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.64	31.35	24.19	374.1	0.000
10	7.10	31.38	24.58	336.6	0.036
20	2.34	31.49	25.16	281.2	0.067
30	2.14	31.56	25.23	274.5	0.095

STATION TOR20K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.68	31.36	24.19	374.0	0.000
10	6.94	31.48	24.68	327.1	0.035
20	1.73	31.67	25.35	263.4	0.065
30	1.53	31.67	25.36	262.1	0.091
50	1.30	31.72	25.42	256.9	0.143

STATION TOR21K2

OBSERVED VALUES

DATE 08/29/56 HR 17 LAT 56-56N LONG 163-14W SDG 64 BTMCODE
 WVEL 03 DIR 22 FC 02 BA 01 DRY 8.3 WET RELHU VIS 3
 WEA 10 CL 0 AMT 8 SEA 1 DIR 22 SWL 1 DIR SECDI LD 12

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	8.38	31.38	24.40
2	5	8.41	31.36	24.38
2	10	8.35	31.36	24.39
1	19	1.72	31.58	25.28
1	28	1.02	31.60	25.34
1	56	0.96	31.62	25.36

STATION TOR22K2

OBSERVED VALUES

DATE 08/31/56 HR 21 LAT 56-41N LONG 163-35W SDG 75 BTMCODE
 WVEL DIR FC BA 21 DRY 8.9 WET RELHU VIS 4
 WEA 51 CL 0 AMT 8 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 15

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.05	31.42	24.18
2	10	9.88	31.44	24.22
2	18	2.08	31.78	25.41
1	27	0.16	31.83	25.57
1	56	0.28	31.83	25.56
1	68	0.28	31.85	25.58

STATION TOR21K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	8.38	31.38	24.40	353.5	0.000
10	8.35	31.36	24.39	354.7	0.035
20	1.63	31.58	25.28	269.6	0.066
30	0.91	31.60	25.34	263.9	0.093
50	0.97 //	31.62	25.36	262.6	0.146

STATION TOR22K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.05	31.42	24.18	375.2	0.000
10	9.88	31.44	24.22	371.3	0.037
20	1.57	31.79	25.46	253.3	0.068
30	0.18	31.83	25.57	242.8	0.093
50	0.27	31.82	25.55	243.8	0.142

STATION TOR23K2

OBSERVED VALUES

DATE 09/01/56 HR 01 LAT 56-28N LONG 163-10W SDG 84 BTM CODE
 WVEL DIR FC BA 21 DRY 10.0 WET RELHU VIS 8
 WEA 01 CL 4 AMT 7 SEA 0 DIR 00 SWL 0 DIR 00 SECDI 10 LD 18

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.26	31.40	24.13
2	9	9.92	31.42	24.20
2	17	1.60	31.82	25.48
1	26	0.46	31.87	25.58
1	53	0.46	31.91	25.62
1	70	0.46	31.87	25.58

STATION TOR24K2

OBSERVED VALUES

DATE 09/01/56 HR 05 LAT 56-14N LONG 163-33W SDG 90 BTM CODE
 WVEL 03 DIR 07 FC 02 BA 20 DRY 7.8 WET RELHU VIS 8
 WEA 01 CL 4 AMT 2 SEA 0 DIR 00 SWL 0 DIR 00 SECDI LD 17

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	10.01	31.65	24.36
2	9	9.91	31.67	24.39
2	18	2.89	31.94	25.48
1	26	0.90	32.01	25.67
1	52	0.90	32.03	25.69
1	74	0.94	32.05	25.70

STATION TOR23K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.26	31.40	24.13	380.0	0.000
10	8.50	31.49	24.47	347.1	0.036
20	1.16	31.84	25.52	247.0	0.066
30	0.46	31.88	25.59	240.2	0.090
50	0.46	31.91	25.62	237.9	0.138

STATION TOR24K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	10.01	31.65	24.36	357.6	0.000
10	8.88	31.71	24.59	336.2	0.035
20	2.30	31.96	25.54	245.2	0.064
30	0.90	32.01	25.67	232.6	0.088
50	0.90	32.03	25.69	231.0	0.134

STATION TOR25K2

OBSERVED VALUES

DATE 09/01/56 HR 17 LAT 56-28N LONG 164-00W SDG 82 BTMCODE
WVEL 10 DIR 09 FC 05 BA 19 DRY 8.9 WET RELHU VIS 8
WEA 03 CL 6 AMT 6 SEA 2 DIR 09 SWL 3 DIR SECDI LD 18

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
3	0	9.90	31.62	24.36
3	10	9.92	31.62	24.35
3	19	7.20	31.74	24.85
1	29	0.70	31.96	25.64
1	57	0.70	31.98	25.66
2	77	0.68	32.00	25.68

STATION TOR26K2

OBSERVED VALUES

DATE 09/01/56 HR 22 LAT 56-15N LONG 164-25W SDG 90 BTMCODE
WVEL 10 DIR 09 FC 05 BA 14 DRY 8.9 WET RELHU VIS 8
WEA 03 CL 6 AMT 8 SEA 2 DIR 09 SWL 2 DIR SECDI 12 LD 18

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.40	31.83	24.60
2	8	9.41	31.82	24.59
2	17	8.48	31.89	24.79
1	26	1.22	32.10	25.73
1	51	1.08	32.12	25.75
1	72	1.16	32.12	25.75

STATION TOR25K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.90	31.62	24.36	358.1	0.000
10	9.92	31.62	24.35	358.6	0.036
20	6.40	31.77	24.98	299.0	0.069
30	0.70	31.96	25.64	235.3	0.096
50	0.70	31.97	25.65	234.5	0.143
75	0.68	32.00	25.68	232.1	0.201

STATION TOR26K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.40	31.83	24.60	334.8	0.000
10	9.40//	31.82	24.59	335.7	0.034
20	5.64	31.97	25.23	275.2	0.065
30	1.18	32.10	25.73	227.3	0.090
50	1.08	32.12	25.75	225.2	0.135

STATION TOR27K2

OBSERVED VALUES

DATE 09/02/56 HR 03 LAT 56-00N LONG 164-00W SDG 93 B1MCODE
WVEL 13 DIR 11 FC 06 BA 12 DRY 10.6 WET RELHU VIS 8
WEA 51 CL 0 AMT 7 SEA 2 DIR 11 SWL 3 DIR SECDI LD 23

CAST	DEPTH	TEMP.	SAL.	SIGMA-T
2	0	9.21	31.89	24.68
2	8	9.26	31.89	24.67
2	16	9.15	31.89	24.69
1	25	3.92	32.21	25.60
1	52	1.23	32.15	25.77
1	79	1.40	32.17	25.77

STATION TOR27K2

INTERPOLATED AND COMPUTED VALUES

DEPTH	TEMP.	SAL.	SIGMA-T	SP.VOL. ANOMALY	GEOPT. ANOMALY
0	9.21	31.89	24.68	327.5	0.000
10	9.25#	31.89#	24.67	328.3	0.033
20	6.56	32.05	25.18	280.0	0.063
30	3.21	32.19	25.65	235.0	0.089
50	1.33	32.15	25.76	224.4	0.135
75	1.19	32.16	25.78	222.8	0.191

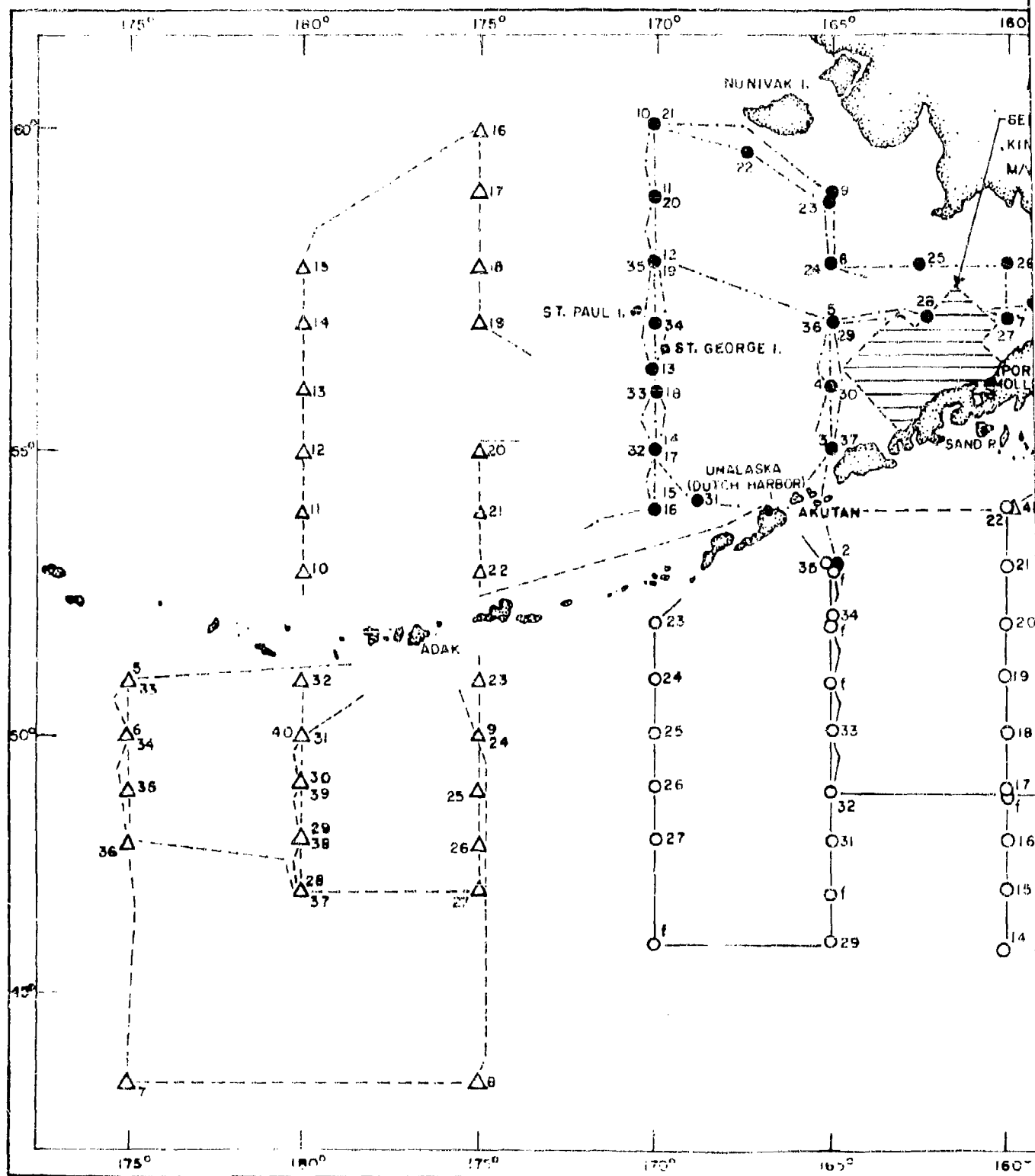
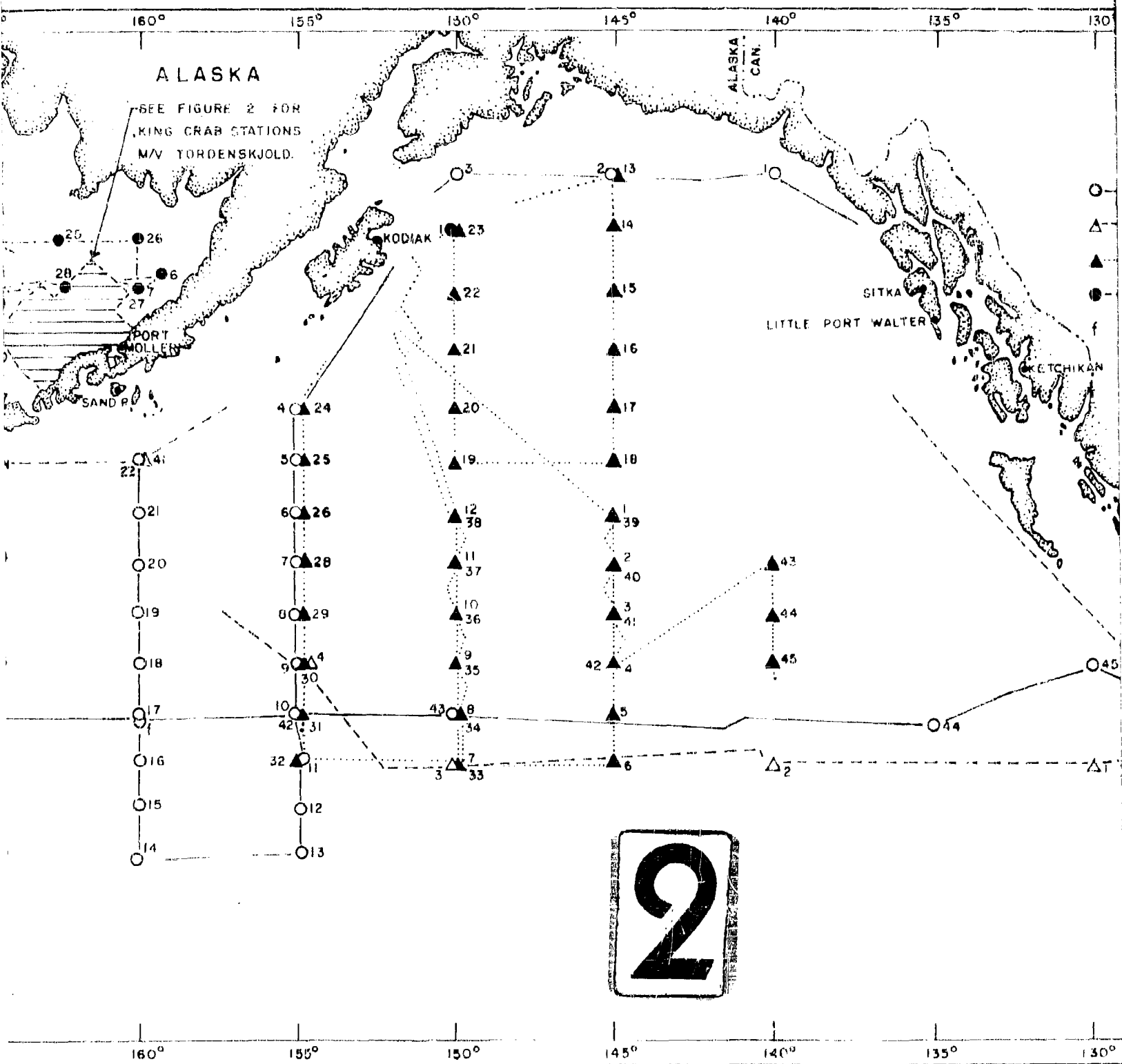
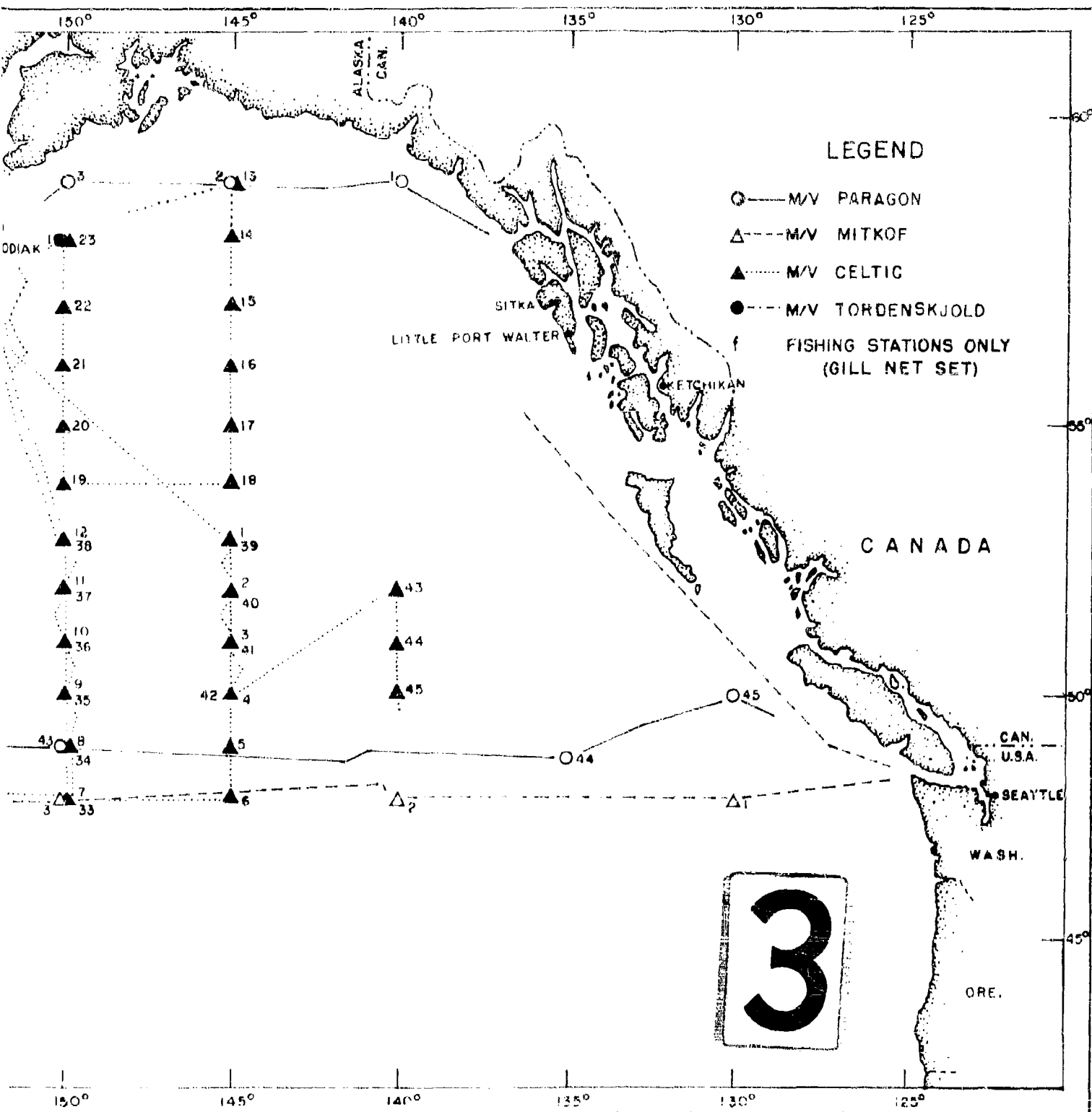


Figure 1. Oceanographic and exploratory fishing stations occupied by vessels of the U.S. Fish and Service, May - September 1956.





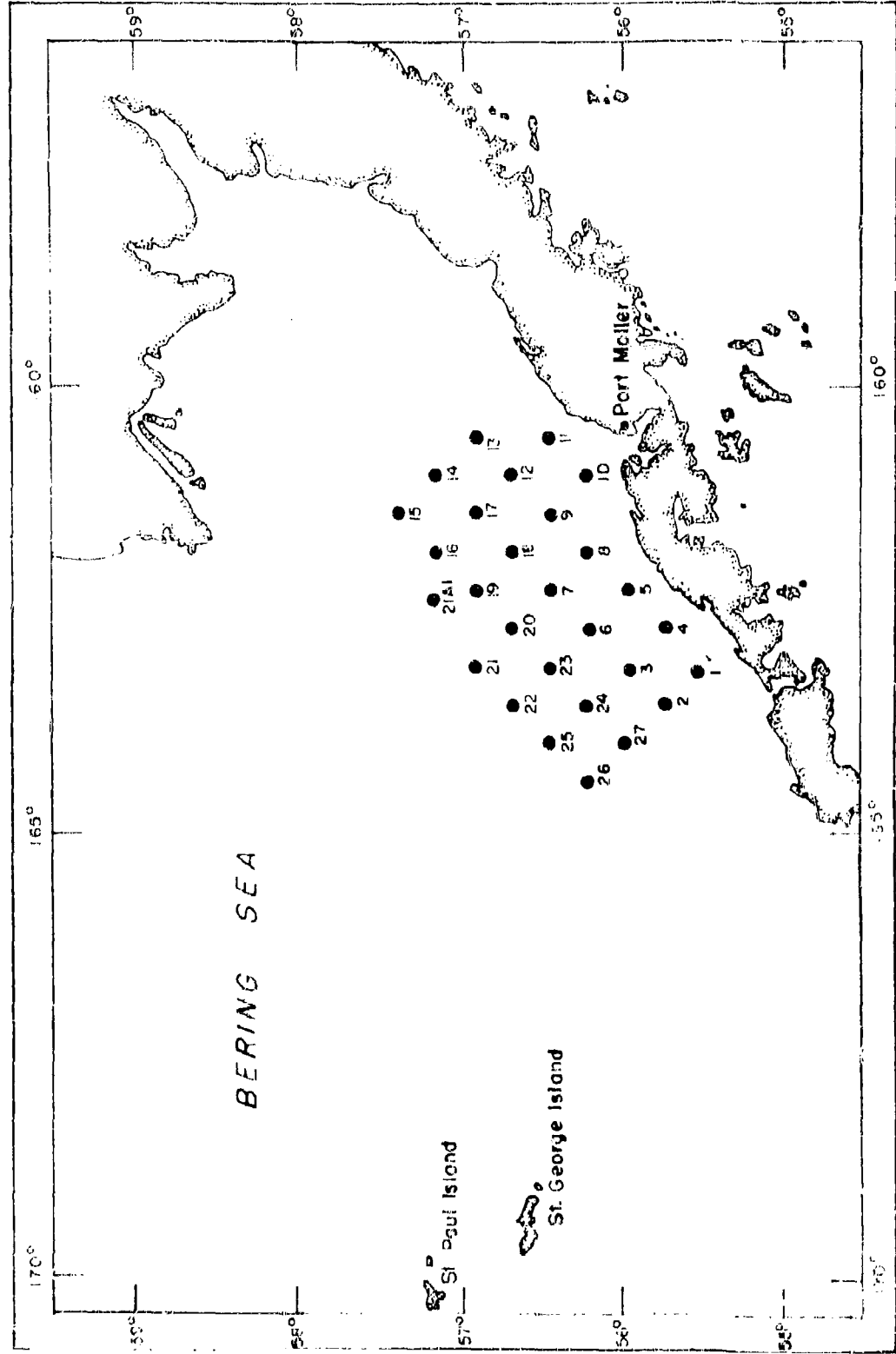


Figure 2. Locations of the M.V. TORDESKOLD king-crab stations.