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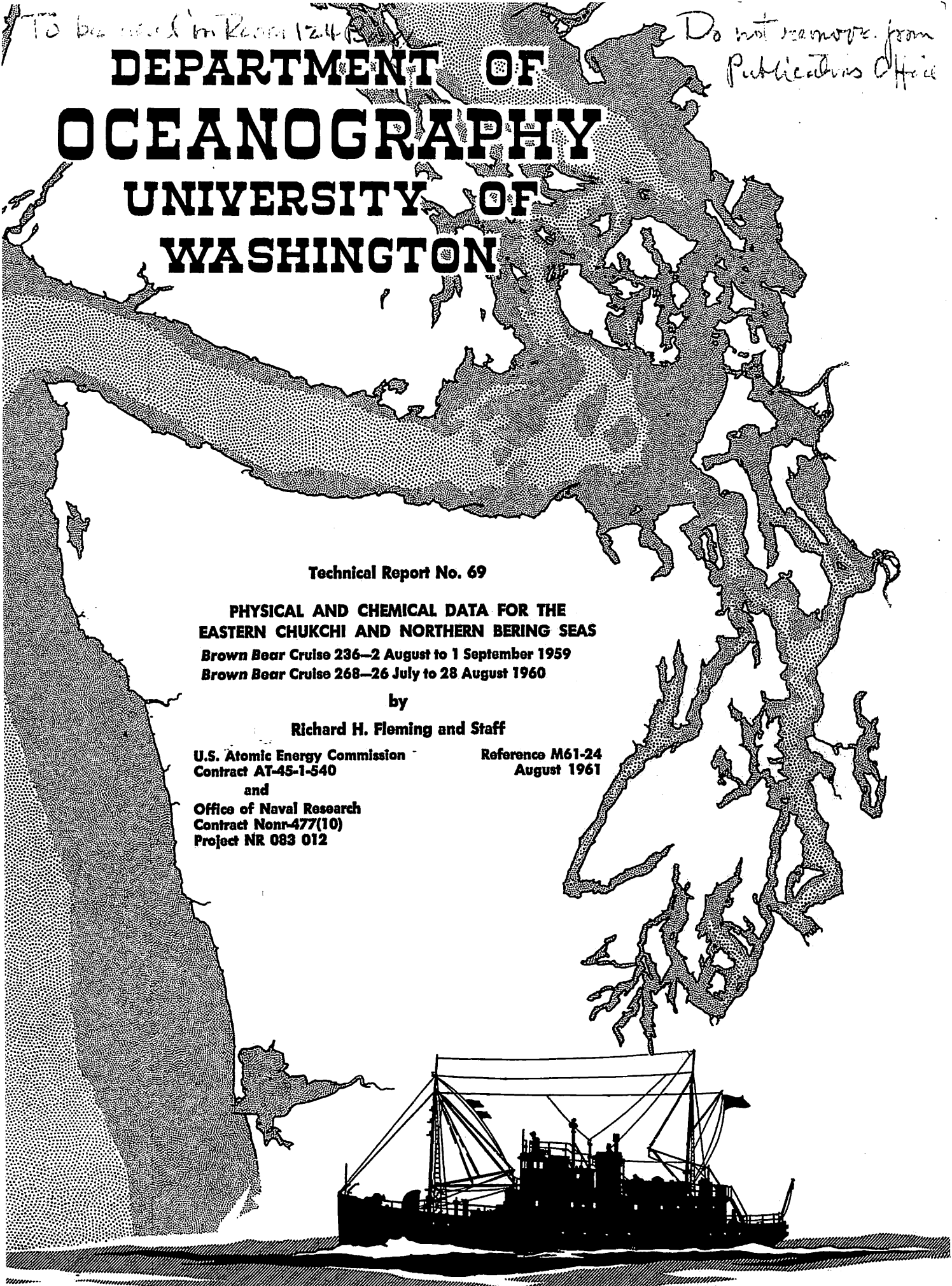

Technical Report No. 69

PHYSICAL AND CHEMICAL DATA FOR THE EASTERN CHUKCHI AND NORTHERN BERING SEAS

Brown Bear Cruise 236—2 August to 1 September 1959
Brown Bear Cruise 268—26 July to 28 August 1960

by

Richard H. Fleming and Staff

U.S. Atomic Energy Commission
Contract AT-45-1-540
and
Office of Naval Research
Contract Nonr-477(10)
Project NR 083 012

Reference M61-24
August 1961

SEATTLE 5, WASHINGTON

UNIVERSITY OF WASHINGTON
DEPARTMENT OF OCEANOGRAPHY
Seattle, Washington 98105

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Brown Bear Cruise 236 - 2 August to 1 September 1959

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ERRATA

Silicate Values - Cruise 268 (pp. 71-119)

A decimal point was inadvertently left out of the silicate column. All silicate values are therefore 10 times too high. Correct values will be obtained by dividing the tabulated values by 10. In addition, the silicate values should be rounded to the nearest whole number. The accuracy of the analysis is considered to be about 5 %.

Example: Station 268-002 (p. 71)

Depth	Silicate (μ g-at./l) with decimal point in correct position	Silicate (μ g-at./l) rounded to nearest number
0	9.0	9
5	7.3	7
10	3.5	4
15	6.6	7
20	3.8	4
25	8.2	8
30	7.8	8

There were no silicates reported for Cruise 236.

It should be noted that in the preliminary tabulation of Cruise 268 data (Univ. of Wash., Dept. of Oceanography, Ref. M61-9 of April 1961), the decimal point in the silicate column is in the correct position.

Miscellaneous Items

Page 43, Station 236-101: Delete the two numbers 3.10 and 92 which are off by themselves to the right of the Oxygen Saturation column.

Page 52, Station 236-154: The column to the right of Oxygen Saturation should be headed PHOS.

Page 57, Station 236-170: Oxygen values at 15 meters depth should read as follows:

MG.AT	ML/L	SAT
0.603	6.75	94

Page 111, Station 268-125: Delete the symbols -. - off to the right of the Oxygen Saturation column.

Page 116, Station 268-139: Salinity at zero meters should read 27.332.

Prepared by: C. M. Love
21 November 1963

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RICHARD H. FLEMING
Executive Officer

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INTRODUCTION

Two Arctic cruises made by the Research Vessel Brown Bear in 1959 and 1960 represent a part of the University of Washington's contribution to Project Chariot of Operation Plowshare. The oceanographic program was jointly supported by the U. S. Atomic Energy Commission and the Office of Naval Research. The data obtained on these two cruises make up the body of this publication. Cruise 236 (see Figure 1), 2 August to 1 September 1959, covered the Eastern Chukchi Sea from Bering Strait to Cape Lisburne and from the Alaskan coast to approximately the International Date Line. Cruise 268 (see Figure 2), 26 July to 28 August 1960, was planned to verify the information gained on the earlier cruise. The area surveyed during the 1960 cruise constituted a much larger area than that covered on the earlier one and extended south into the Bering Sea to near the mouth of the Yukon River at approximately 62°N and as far north as 70°50'N, where the Arctic ice pack was encountered.

Brown Bear Cruises 236 and 268 Types of Observations

Oceanographic casts and detailed current observations were made on most stations. Some stations, particularly on Cruise 236, were occupied for current measurements or geologic sampling only. Temperature, salinity and dissolved oxygen were measured on all stations where oceanographic casts were made. Both dissolved inorganic phosphate and silicate measurements were made on Cruise 268 while phosphate was the only nutrient determined on Cruise 236. Bathythermograph lowerings were made both underway and at stations on the two cruises.

Comprehensive preliminary reports have been issued that describe the objectives and work accomplished on both of these cruises (see (2) and (4) as well as progress reports (3) and (5).

Brown Bear Cruises 236 and 268 Determination of Properties and Methods of Analysis

The depths of subsurface observations were calculated using the cosine of measured wire angles. Shallow water in the area precluded the use of unprotected thermometers.

Salinity was determined aboard ship by means of the modified Wenner-Smith-Soule salinity bridge (8). It is accurate to ± .01 °/oo salinity at a 95 percent probability level; its internal short term reproducibility is ± .006 °/oo salinity at the same probability.

Oxygen determinations were made using the Winkler method as modified by Thompson and Robinson (11). Its accuracy is ± .06 milliliters per liter.

A Beckman Model DU Spectrophotometer was used to determine the dissolved inorganic phosphate by the method of Wooster and Rakestraw (15). Phosphate determination has also been discussed by Robinson and Thompson (9). All samples and standards were brought to 27°C to eliminate temperature

errors. Values have also been corrected for salt error. Accuracy is regarded as ± 10 percent.

No silicate analyses were made on Cruise 236. The method of analysis used for silicate determination on Cruise 268 was the yellow molybdate method of Dienert and Wandenbulcke as modified by Robinson and Thompson (1, 10). The accuracy is estimated to be ± 5 percent.

Current measurements on the two cruises were made with radically different types of meters. On Cruise 236 measurements were taken using Ekman, Gemware and Price current meters. Generally the Ekman meter was used for depths between five and 20 meters and the Gemware for greater depths.

Current observations on Cruise 268 were made almost entirely with a Magnesyn current meter, a modification of the Von Arx meter. The meter itself contains a propellor and eight magnets, mounted on a common shaft, which actuate a magnetic switch. The instantaneous current speed was determined by measuring the contacting frequency of this switch with a frequency meter and recording it on an Esterline Angus recorder. The instantaneous current direction was transmitted to the recorder console by means of a Magnesyn compass in the current meter. The magnetic deviation due to the presence of the ship was determined by securing the meter firmly to a rigid shaft and recording the effect of various ship headings upon the indicated meter direction when the meter was lowered to the shallowest of the depths for which current observations were made.

The density of sea water at atmospheric pressure, (sigma-t), the conversion of oxygen values from milligram atoms per liter to milliliters per liter and the percent oxygen saturation were computed on the IBM Type 650 Magnetic Drum Data Processing Machine in the Research Computer Laboratory of the University of Washington. The program for the three computations was developed at the Department of Oceanography. The equation used for computing sigma-t was taken from LaFond (6). The oxygen saturation was obtained from an equation by Truesdale (12). The procedures described by the U. S. Hydrographic Office (14) were used for coding the data for the IBM cards.

Brown Bear Cruise 236 Miscellaneous Comments

Re-examination of Cruise 236 bathymetric data has shown small differences in station positions from the positions published in this report. Differences between the published and recalculated positions are given in Table 1. Either set of positions should be sufficiently accurate for oceanographic purposes.

Small errors in positioning may be expected while working in this area since the sole means of navigating is by dead reckoning. When the weather is clear enough positions may be checked by celestial fixes.

TABLE 1. Brown Bear Cruise 236 Station Position Discrepancies

Revised positions will have the following correction which will be applied to the accepted position

Station	Latitude	Longitude	Station	Latitude	Longitude
1	0'	2' W	66	1' N	1' W
2	0'	1' E	67	1' N	1' W
4	0'	9' W	68	1' N	1' W
5	1' S	1' W	69	1' N	1' W
6	5' N	1' E	71	1' N	0'
7	0'	1' E	72	1' N	0'
8	0'	1' E	73	1' N	0'
10	0'	1' W	74	1' N	0'
11	0'	1' W	75	1' N	0'
12	1' S	0'	84	0'	1' W
13	1' S	1' W	90	7' S	1' E
14	1' N	0'	94	1' N	0'
15	1' S	2' E	95	1' N	1' W
16	1' S	2' E	99	4' N	3' E
17	1' S	1' E	101	1' N	3' E
19	1' N	6' W	102	0'	3' E
20	1' N	7' W	104	1' N	2' E
21	2' N	6' W	105	0'	2' E
24	0'	1' W	106	0'	2' E
25	1' N	1' W	113	1' N	2' W
28	0'	1' E	121	0'	1' W
29	1' N	1' E	122	0'	1' W
30	1' N	0'	123	0'	1' E
32	1' N	3' E	124	0'	1' E
33	1' N	0'	134	1' S	0'
34	1' N	0'	135	1' S	0'
35	1' N	0'	139	3' S	9' E
36	1' N	1' W	147	1' N	0'
37	0'	7' W	148	5' N	4' E
38	0'	1' W	149	5' N	4' E
39	0'	2' W	153	1' N	0'
40	0'	2' W	154	1' N	0'
41	0'	2' W	155	1' N	1' W
42	0'	2' W	156	2' S	1' W
43	0'	1' E	158	0'	1' W
45	4' S	0'	159	0'	1' W
46	7' S	0'	160	1' N	1' W
47	0'	1' W	161	1' N	1' W
48	0'	2' W	165	0'	1' W
49	1' S	0'	168	0'	1' W
54	0'	1' W	169	0'	1' W
55	1' N	1' W	170	1' S	0'
57	0'	1' W	171	1' S	0'
59	1' N	0'	172	0'	1' W
60	1' N	0'	173	0'	1' W
61	1' N	0'	174	1' S	4' E
62	1' N	1' W	175	1' S	4' E
63	1' N	1' W	176	0'	1' E
64	1' N	1' W	177	0'	1' E
65	1' N	1' W			

Brown Bear Cruise 236 Scientific Personnel

Name	Title or Organization	Cruise Duties
Aron, Mr. William	Research Instructor	Biology
Brooks, Mr. Sheldon	Asst. Marine Chemist	Chemistry
Burns, Mr. Robert E.	Predoctoral Associate	Geological Oceanography
Creager, Dr. Joe S.	Assistant Professor	Chief Scientist
Dermody, Mr. John	Senior Oceanographer	Physical Oceanography and Logistics
Fleming, Dr. Richard H.	Professor	Senior Investigator
Gucluer, Mr. Sevket	Marine Aide	Geology
Johnson, Dr. Martin W.	Scripps Institution of Oceanography	Biological Oceanography
Johnston, Mr. George T.	Research Assistant	Biology
Linger, Mrs. Fay	Senior Lab Technician	Biology
McCrery, Mr. Peter	Illustrator	Biology
McLeish, Mr. William	Research Assistant	Chemistry
Morse, Miss Betty-Ann	Assistant Oceanographer	Physical Oceanography
Ozturgut, Mr. Erdogan	Senior Marine Aide	Chemistry
Owen, Mr. Robert W.	Senior Marine Aide	Biology
Princehouse, Captain Franklin W.	Master of the Brown Bear	

Brown Bear Cruise 268 Scientific Personnel

Name	Title or Organization	Cruise Duties
Brundage, Mr. Walter L., Jr.	Research Assistant	Deck Watch
Connolly, Mr. Joel I.	Senior Marine Aide	Deck Watch
Creager, Dr. Joe S.	Assistant Professor	Geology & Bathymetry
Dawson, Mr. William A.	Research Instructor	Biology
Fleming, Dr. Richard H.	Professor & Executive Officer	Senior Investigator
Gast, Dr. James A.	Research Asst. Professor	Chief Scientist
Hansen, Mr. Donald V.	Research Assistant	Deck Watch
Heggarty, Miss Diane E.	Senior Marine Aide	Deck Watch
Henson, Mr. Fred D.	Senior Marine Tech.	Navigation
Hoverson, Mr. Sigmund J.	Marine Aide	Chemistry
McManus, Dr. Dean A.	Research Associate	Deck Watch
Melton, Mr. Robert J.	Marine Aide	Deck Watch
Morse, Miss Betty-Ann	Assistant Oceanographer	Deck Watch
Nygren, LCDR Harley D.	U. S. C & G. S.	Deck Watch
Pamatmat, Mr. Mario M.	Research Assistant	Biology
Princehouse, Captain Franklin W.	Master of the Brown Bear	
Rustad, Mr. Douglas S.	Marine Aide	Deck Watch
Sweetland, Mr. Russell F.	Marine Technician	Chemistry
Willoughby, Mr. Ernest J.	U. of A. & AHRC	Ornithology

Personnel Ashore (Both Cruises)

Name	Title
Collias, Eugene E.	Senior Oceanographer
Doyle, Donald R.	Cartographer
Hulbert, David	Marine Technician
Love, Cuthbert M.	Senior Oceanographer
McGary, Noel B.	Assistant Cartographer
Rao, Ramana	Research Assistant
Rona, Monique R.	Senior Programmer
Sutton, Mary C.	Secretary-Typist

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1957. The solubility of oxygen in saline water. Journal du Conseil, vol. 22, pp. 163-166.

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1955. Oceanographic data processing by automatic methods. Division of Computation, (mimeographed, 31 Jan.), 11 pp.

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1956. Machine tabulation of oceanographic data (Revised). Division of Oceanography, H. O. Study 111, 103 pp. and 35 pp. information and instruction.

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1951. The estimation of dissolved phosphate in sea water. Journal of Marine Research, vol. 10, no. 1, pp. 91-100.

EXPLANATION OF DATA TABLES

Abbreviations and Headings Used in Data Tables

DATE — Local Month-Day-Year

HR (Hour) — Local Standard Time (Bering Sea Time)

ZN (Time Zone) (+ 11) — 11 hours behind Greenwich Time

LAT (Latitude) — Degrees and minutes. N(North)

LONG (Longitude) — Degrees and minutes. W(West)

MARSQ (Marsden Square) — The identification number of the 10° Marsden Square in which station is located.

SDG (Sounding) — Depth of water in meters as determined by echo sounder.

WSPD (Wind speed) — Wind velocity in knots.

DIR (Wind direction) — Direction from which the wind comes in degrees.

WEA (Weather) — State of weather. See code.

SEA (Sea) — State of the sea. See code.

SWELL (Swell amount) — See code.

DIRECTION (Swell direction) — Direction from which the predominant swells come.

BAR (Barometric pressure) — To obtain barometric pressure in millibars, add 900, if number is above 50; add 1000, if number is below 50.

CL (Cloud type) — See code.

AMT (Cloud cover) — See code.

DRY (Air temperature dry bulb) — In degrees fahrenheit.

WET (Air temperature wet bulb) — In degrees fahrenheit.

REL HU (Relative humidity) — Expressed in percent.

SCD (Secchi disk) — Water transparency. The depth in meters at which a 12-inch secchi disk is visible during daylight hours.

SPOB (Special observations) — Special observations taken at the station. See code below.

- CB (Clarke-Bumpus) Quantitative zooplankton sample
- CUR (Current observations)
- VV (Van Veen bottom sample)
- GR (Gravity core)
- PLK5 (Half meter vertical plankton haul)
- PRDS (Productivity at surface) Phytoplankton taken with Van Dorn bottle
- PRDD (Productivity at several depths) Phytoplankton taken with Van Dorn bottles

DEPTH — Depth in meters.

TEMP (Water temperature) — In degrees Celsius.

SAL (Salinity) — In parts per thousand (°/oo).

SIGMA-T (σ_t) — An expression for the density of seawater at atmospheric pressure and the in situ temperature and salinity, obtained from the equation:

Sigma-t = (Density -1) x 1000

OXYGEN MG.AT. — Concentration of dissolved oxygen expressed in milligram-atoms of oxygen per liter of sea water.

OXYGEN ML/L — Concentration of dissolved oxygen per liter of sea water, expressed in milliliters of oxygen gas at normal pressure and temperature.

SATN (Saturation) — Ratio (expressed in percent) of oxygen actually dissolved in the sample to amount of oxygen necessary to saturate a sample of the same temperature and salinity. Values for saturation were obtained from an equation by Truesdale (12).

PHOS (Phosphate) — Concentration of dissolved inorganic phosphate in microgram-atoms per liter (µg-at/l).

SIL (Silicate) — Concentration of dissolved silicate in microgram-atoms per liter (µg-at/l).

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 Cloud development NOT observed or NOT observable during past hour.	**01** Clouds generally dissolving or becoming less developed during past hour.	**02** State of sky on the whole unchanged during past hour.	**03** Clouds generally forming or developing during past hour.	**04** Visibility reduced by smoke.	**05** Haze.	**06** Widespread dust in suspension in the air, NOT raised by wind, at time of observation.	**07** Dust or sand raised by wind, at time of observation.	**08** Well developed dust devil(s) within past hour.	**09** Duststorm or sandstorm within sight of or at station during past hour.
10 Light fog.	**11** Patches of shallow fog at station, NOT deeper than 6 feet on land.	**12** More or less continuous shallow fog at station, NOT deeper than 6 feet on land.	**13** Lightning visible, no thunder heard.	**14** Precipitation within sight, but NOT reaching the ground.	**15** Precipitation within sight, reaching the ground, but distant from station.	**16** Precipitation within sight, reaching the ground, near to but NOT at station.	**17** Thunder heard, but no precipitation at the station.	**18** Squall(s) within sight during past hour.	**19** Funnel cloud(s) within sight during past hour.
20 Drizzle (NOT freezing and NOT falling as showers) during past hour, but NOT at time of ob.	**21** Rain (NOT freezing and NOT falling as showers) during past hour, but NOT at time of ob.	**22** Snow (NOT falling as showers) during past hour, but NOT at time of observation.	**23** Rain and snow (NOT falling as showers) during past hour, but NOT at time of observation.	**24** Freezing drizzle or freezing rain (NOT falling as showers) 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 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 precipitation) during past hour, but NOT at time of observation.
30 Slight or moderate duststorm or sandstorm has decreased during past hour.	**31** Slight or moderate duststorm or sandstorm no appreciable change during past hour.	**32** Slight or moderate duststorm or sandstorm has increased 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 drifting snow, generally low.	**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 discernible, has become thinner during past hour.	**43** Fog, sky NOT discernible, has become thinner during past hour.	**44** Fog, sky discernible, no appreciable change during past hour.	**45** Fog, sky NOT discernible no appreciable change during past hour.	**46** Fog, sky discernible, has begun or become thicker during past hour.	**47** Fog, sky NOT discernible, has begun or become thicker during past hour.	**48** Fog, depositing rime, sky discernible.	**49** Fog, depositing rime, sky not discernible.
50 Intermittent drizzle (NOT freezing) slight at time of observation.	**51** Continuous drizzle (NOT freezing) slight at time of observation.	**52** Intermittent drizzle (NOT freezing) moderate at time of ob.	**53** Continuous drizzle (NOT freezing), moderate at time of ob.	**54** Intermittent drizzle (NOT freezing), thick at time of observation.	**55** Continuous drizzle (NOT freezing), thick at time of observation.	**56** Slight freezing drizzle.	**57** Moderate or thick freezing drizzle.	**58** Drizzle and rain, slight.	**59** Drizzle and rain, moderate or heavy.
60 Intermittent rain (NOT freezing), slight at time of observation.	**61** Continuous rain (NOT freezing), slight at time of observation.	**62** Intermittent rain (NOT freezing), moderate at time of ob.	**63** Continuous rain (NOT freezing), moderate at time of observation.	**64** Intermittent rain (NOT freezing), heavy at time of observation.	**65** Continuous rain (NOT freezing), heavy 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 starlike snow crystals (with or without fog).	**79** Ice pellets (sleet, U. S. definition).
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 soft or small hail with or without rain or rain and snow mixed.	**88** Moderate or heavy shower(s) of soft or small hail with or without rain or rain and snow mixed.	**89** Slight shower(s) of hail, with or without rain or rain and snow mixed, not associated with thunder.
90 Moderate or heavy shower(s) of hail, with or without rain or rain and snow mixed, not associated with thunder.	**91** Slight rain at time of ob.; thunderstorm during past hour, but NOT at time of observation.	**92** Moderate or heavy rain at time of ob.; thunderstorm during past hour, but NOT at time of observation.	**93** Slight snow or rain and snow mixed or hail at time of observation.; thunderstorm during past hour, but not at time of observations.	**94** Mod. or heavy snow, or rain and snow mixed or hail at time of ob.; thunderstorm during past hour, but NOT at time of observation.	**95** Slight or mod. thunderstorm without hail, but with rain and/or snow at time of observation.	**96** Slight or moderate thunderstorm, with hail at time of observation.	**97** Heavy thunderstorm, without hail, but with rain and/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	Altocumulus
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

State of the Sea

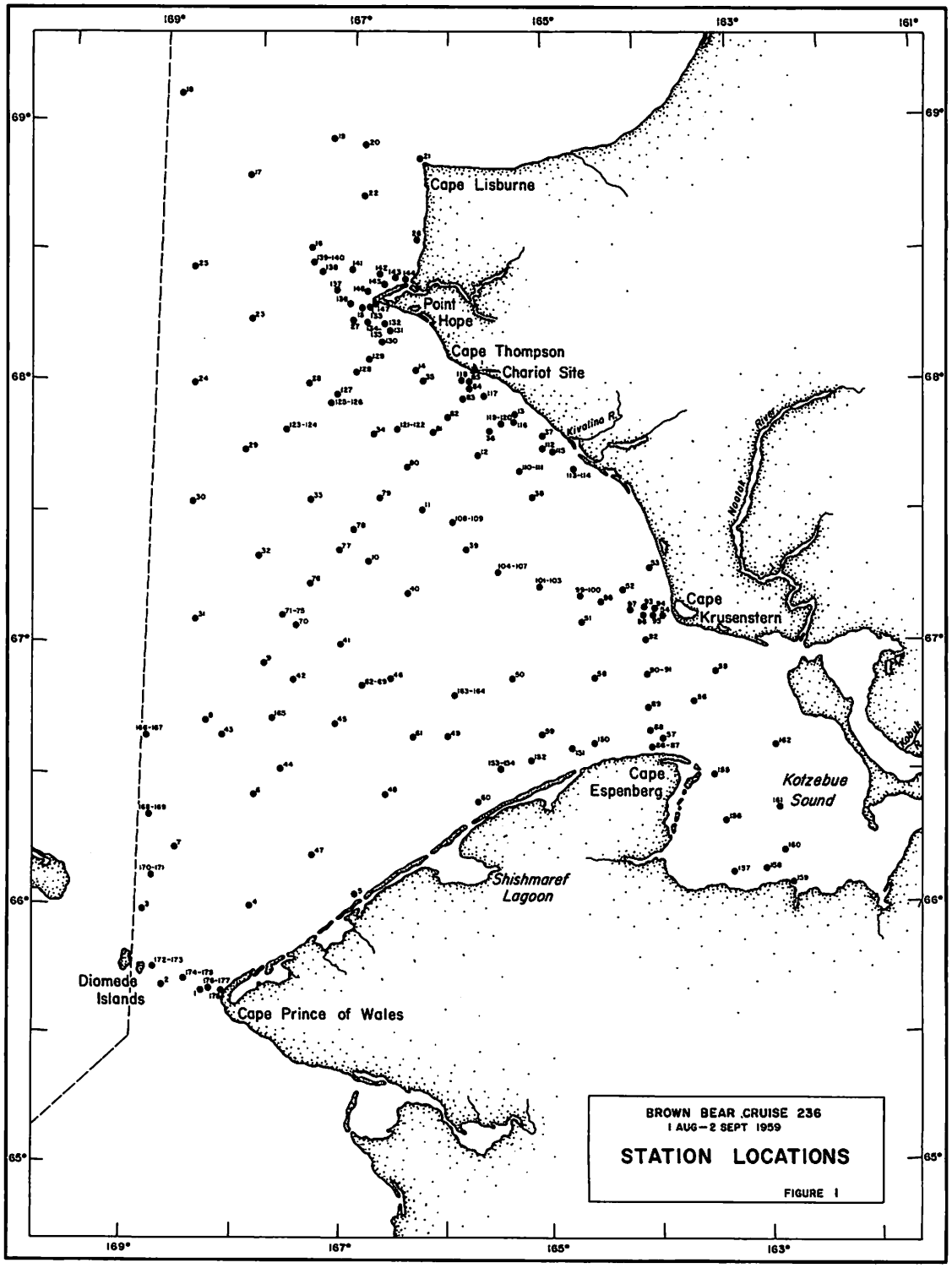
Code	Description	Height
0	Calm	0
1	Smooth	Less than one foot
2	Slight	1 to 3 feet
3	Moderate	3 to 5 feet
4	Rough	5 to 8 feet
5	Very rough	8 to 12 feet
6	High	12 to 20 feet
7	Very high	20 to 40 feet
8	Precipitous	40 feet and over
9	Confused	

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	--------	---------

Bottom Type

0	Not otherwise specified
1	Mud or ooze
2	Sand and mud
3	Sand
4	Sand with shells and/or gravel
5	Shells
6	Gravel
7	Rock
8	Coral
9	Stone


169°
167°
165°
163°
161°
69°
68°
67°
66°
65°
Cape Lisburne
Point Hope
Cape Thompson
Chariot Site
Kivalina R.
Noatak River
Cape Krusenstern
Cape Espenberg
Kotzebue Sound
Shishmaref Lagoon
Diomede Islands
Cape Prince of Wales
BROWN BEAR CRUISE 236
1 AUG—2 SEPT 1959
STATION LOCATIONS
FIGURE 1

CRUISE BB 236 STATION 001

DATE 08/02/59 HR 0349 ZN 11 LAT 65-40 LONG 168-20W MARSQ 233
SDG 046 WSPD 20 DIR 330 WEA 01 SEA 3 BAR 30 CL 4 AMT 6
DRY 43 9 WET 43 2 RELHU 93 SCD 06 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.35	29.598	22.87	0.602	6.74	105	0.58
5	9.34	29.597	22.87	0.599	6.71	104	0.75
10	7.05	31.647	24.80	0.616	6.90	103	0.73
15	5.48	32.457	25.63	0.607	6.80	98	0.94
20	5.39	32.474	25.65	0.602	6.74	97	1.05
30	5.31	32.477	25.67	0.607	6.80	98	1.02
39	5.26	32.477	25.67	0.598	6.70	96	1.09

CRUISE BB 236 STATION 002

DATE 08/02/59 HR 0813 ZN 11 LAT 65-42 LONG 168-43W MARSQ 233
SDG 048 WSPD 28 DIR 340 WEA 01 SEA 3 BAR 32 CL 4 AMT 6
DRY 44 2 WET 42 3 RELHU 85 SCD SPOB GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.43	31.576	24.69	0.637	7.13	107	0.64
5	7.42	31.576	24.69	0.630	7.06	106	0.62
10	7.35	31.584	24.71	0.633	7.09	106	0.58
15	4.88	32.563	25.78	0.674	7.55	107	0.62
25	2.46	32.752	26.16	0.617	6.91	92	1.23
35	2.43	32.768	26.18	0.581	6.51	87	1.44
45	2.47	32.779	26.18	0.597	6.69	90	1.44

CRUISE BB 236 STATION 003

DATE 08/02/59 HR 1223 ZN 11 LAT 65-59N LONG 168-54W MARSQ 233
SDG 048 WSPD 20 DIR 350 WEA 01 SEA 3 BAR 32 CL 3 AMT 2
DRY 40 3 WET 38 8 RELHU 99 SCD 08 SPOB GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	3.44	32.784	26.10	0.743	8.32	114	1.32
5	3.44	32.780	26.10	0.697	7.81	107	1.44
10	3.43	32.779	26.10	0.669	7.49	103	1.37
15	3.38	32.786	26.11	0.667	7.47	102	1.31
20	3.38	32.784	26.11	0.667	7.47	102	1.35
30	3.32	32.784	26.11	0.662	7.41	101	1.31
40	3.26	32.786	26.12	0.663	7.43	101	1.37

CRUISE BB 236 STATION 004

DATE 08/02/59 HR 1619 ZN 11 LAT 66-01N LONG 167-55W MARSQ 233
SDG 037 WSPD 23 DIR 055 WEA 02 SEA 3 BAR 29 CL 3 AMT 2
DRY 47 7 WET 45 0 RELHU 79 SCD 08 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN			PHOS.
				MG.AT.	ML/L	SAT	
0	9.27	30.057	23.24	0.604	6.76	105	0.84
5	9.21	30.054	23.24	0.603	6.75	105	0.85
10	8.76	30.563	23.71	0.613	6.87	106	0.78
15	6.68	31.793	24.96	0.627	7.02	104	0.81
20	6.45	31.910	25.08	0.628	7.03	103	0.86

CRUISE BB 236 STATION 005

DATE 08/02/59 HR 2122 ZN 11 LAT 66-04N LONG 166-54W MARSQ 233
SDG 009 WSPD 20 DIR 350 WEA 01 SEA 3 BAR 27 CL 3 AMT 2
DRY 47 1 WET 46 8 RELHU 96 SCD SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN			PHOS.
				MG.AT.	ML/L	SAT	
0	9.50	30.872	23.84	0.595	6.66	105	0.79
5	9.50	30.875	23.84	0.597	6.69	105	0.85

CRUISE BB 236 STATION 006

DATE 08/03/59 HR 0328 ZN 11 LAT 66-26N LONG 167-54W MARSQ 233
SDG 022 WSPD 15 DIR 090 WEA 03 SEA 1 BAR 28 CL 5 AMT 5
DRY 45 9 WET 42 8 RELHU 79 SCD 08 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN			PHOS.
				MG.AT.	ML/L	SAT	
0	7.72	31.432	24.54	0.628	7.03	106	0.78
5	7.69	31.434	24.54	0.629	7.04	106	0.82
9	7.69	31.449	24.56	0.628	7.03	106	0.82
14	6.24	32.254	25.38	0.625	7.00	103	0.85

CRUISE BB 236 STATION 007

DATE 08/03/59 HR 0716 ZN 11 LAT 66-14N LONG 168$38W MARSQ 233
SDG 053 WSPD 20 DIR 000 WEA 02 SEA 2 BAR 28 CL 5 AMT 5
DRY 46 6 WET 42 9 RELHU 72 SCD 08 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.42	31.060	24.15	0.618	6.92	106	0.75
5	8.42	31.060	24.15	0.618	6.92	106	0.70
10	8.40	31.086	24.17	0.618	6.92	106	0.73
15	6.74	32.175	25.25	0.645	7.22	107	0.78
20	4.47	32.636	25.88	0.591	6.62	93	1.13
30	4.42	32.640	25.89	0.590	6.61	93	1.31
40	4.38	32.642	25.90	0.583	6.53	92	1.24

CRUISE BB 236 STATION 008

DATE 08/03/59 HR 1219 ZN 11 LAT 66-43N LONG 168-24W MARSQ 233
SDG 033 WSPD 18 DIR 040 WEA * SEA * BAR 27 CL * AMT *
DRY 46 0 WET 43 2 RELHU 79 SCD 07 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.10	31.889	24.98	0.634	7.10	106	0.77
5	7.10	31.895	24.99	0.635	7.11	106	0.78
10	7.00	31.904	25.01	0.636	7.12	106	0.81
15	5.72	32.404	25.56	0.613	6.87	100	0.90
20	5.62	32.420	25.58	0.604	6.76	98	0.86
25	5.60	32.431	25.60	0.600	6.72	97	0.86

CRUISE BB 236 STATION 009

DATE 08/03/59 HR 1649 ZN 11 LAT 66-53N LONG 167-56W MARSQ 233
SDG 033 WSPD 16 DIR 005 WEA 02 SEA 2 BAR 25 CL - AMT
DRY 46 0 WET 43 5 RELHU 86 SCD 14 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.41	31.844	24.90	0.631	7.07	106	0.80
5	7.40	31.840	24.90	0.632	7.08	106	0.80
10	7.38	31.842	24.91	0.632	7.08	106	0.66
15	7.30	31.853	24.93	0.631	7.07	106	0.69
20	4.93	32.524	25.75	0.625	7.00	100	0.78
25	4.84	32.556	25.78	0.619	6.93	98	0.96

CRUISE BB 236 STATION 010

DATE 08/03/59 HR 2301 ZN 11 LAT 67-20N LONG 166-46W MARSQ 233
SDG 042 WSPD 20 DIR 034 WEA 02 SEA 3 BAR 22 CL 2 AMT 2
DRY 45 3 WET 43 2 RELHU 86 SCD SPOB CR CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	6.21	32.470	25.55	0.656	7.35	108	1.50
5	6.22	32.478	25.56	0.660	7.39	109	0.62
14	4.56	32.583	25.83	0.637	7.13	101	0.77
19	3.96	32.622	25.92	0.604	6.76	94	1.01
29	3.86	32.630	25.94	0.599	6.71	93	1.07
39	3.78	32.641	25.96	0.599	6.71	93	1.04

CRUISE BB 236 STATION 011

DATE 08/04/59 HR 0353 ZN 11 LAT 67-32N LONG 166-15W MARSQ 233
SDG 037 WSPD 16 DIR 030 WEA 02 SEA 3 BAR 21 CL 2 AMT 2
DRY 45 1 WET 43 2 RELHU 86 SCD 10 SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.06	31.938	25.02	0.647	7.25	108	0.56
5	7.06	31.940	25.03	0.646	7.24	108	0.56
10	7.09	31.956	25.04	0.624	6.99	104	-.--
15	7.04	31.948	25.04	0.646	7.23	106	0.57
20	5.00	32.558	25.76	0.655	7.33	103	0.67
30	4.41	32.572	25.84	0.600	6.72	94	0.96

CRUISE BB 236 STATION 012

DATE 08/04/59 HR 0735 ZN 11 LAT 67-45N LONG 165-42W MARSQ 233
SDG 035 WSPD 13 DIR 030 WEA 01 SEA 2 BAR 21 CL 1 AMT 2
DRY 51 3 WET 45 9 RELHU 68 SCD 11 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.55	31.094	24.16	0.617	6.91	106	0.51
5	8.54	31.130	24.18	0.618	6.92	105	0.53
10	6.25	31.865	25.07	0.616	6.90	101	0.67
15	5.22	32.185	25.45	0.657	7.35	105	0.55
20	5.38	32.283	25.50	0.651	7.29	105	0.52
30	4.75	32.448	25.70	0.635	7.11	101	0.67

CRUISE BB 236 STATION 013

DATE 08/04/59 HR 1026 ZN 11 LAT 67-54N LONG 165-17W MARSQ 233
SDG 011 WSPD * DIR WEA 03 SEA 1 BAR 20 CL 2 AMT 2
DRY 50 7 WET 47 7 RELHU 81 SCD SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.56	30.706	23.85	0.621	6.96	107	0.53
5	8.32	30.707	23.89	0.617	6.91	105	0.57
10	8.29	30.708	23.89	0.684	9.54	104	0.51

CRUISE BB 236 STATION 014

DATE 08/04/59 HR 1725 ZN 11 LAT 68-04N LONG 166-20W MARSQ 233
SDG 026 WSPD 06 DIR 004 WEA 03 SEA 1 BAR 15 CL 2 AMT 2
DRY 51 4 WET 47 8 RELHU 81 SCD SPOB GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.63	31.054	24.11	0.625	7.00	108	0.76
5	8.62	31.058	24.12	0.625	7.00	108	0.81
10	8.16	31.165	24.27	0.628	7.03	107	0.80
15	7.80	31.356	24.47	0.614	6.88	104	0.80

CRUISE BB 236 STATION 015

DATE 08/04/59 HR 2023 ZN 11 LAT 68-17N LONG 166-50W MARSQ 233
SDG 032 WSPD 06 DIR 050 WEA 02 SEA 1 BAR 18 CL 2 AMT 2
DRY 50 4 WET 47 1 RELHU 80 SCD 08 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.98	30.934	23.97	0.618	6.92	107	0.77
5	8.94	30.944	23.98	0.620	6.94	108	0.92
10	8.62	31.074	24.13	0.624	6.99	108	0.70
15	6.51	31.950	25.11	0.611	6.84	101	0.73
20	6.43	31.985	25.14	0.607	6.80	100	0.77
30	6.42	32.006	25.16	0.606	6.79	100	0.88

CRUISE BB 236 STATION 016

DATE 08/04/59 HR 2326 ZN 11 LAT 68-32N LONG 167-27W MARSQ 233
SDG 042 WSPD 09 DIR 025 WEA 02 SEA 1 BAR 18 CL 2 AMT 2
DRY 45 9 WET 43 7 RELHU 86 SCD SPOB CR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.08	31.371	24.44	0.626	7.01	107	0.78
5	8.07	31.373	24.44	0.627	7.02	107	0.68
10	7.80	31.453	24.54	0.627	7.02	106	0.69
15	6.45	31.984	25.14	0.634	7.10	104	0.75
20	5.92	32.159	25.34	0.642	7.19	105	1.15
30	5.25	32.328	25.55	0.649	7.27	104	0.94
40	4.63	32.382	25.67	0.647	7.25	102	0.80

CRUISE BB 236 STATION 017

DATE 08/05/59 HR 0405 ZN 11 LAT 68-49N LONG 168-08W MARSQ 233
SDG 050 WSPD 02 DIR 050 WEA * SEA 1 BAR 17 CL * AMT *
DRY 46 4 WET 44 0 RELHU 86 SCD SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.53	30.033	23.47	0.641	7.18	107	0.67
5	7.42	30.671	23.98	0.642	7.19	107	0.67
10	7.38	31.017	24.26	0.641	7.18	107	0.60
15	6.86	31.163	24.44	0.645	7.22	107	0.79
20	6.26	31.708	24.95	0.647	7.25	106	0.64
30	5.21	32.327	25.56	0.652	7.30	104	0.64
45	4.57	32.395	25.68	0.643	7.20	101	0.55

CRUISE BB 236 STATION 018

DATE 08/05/59 HR ZN 11 LAT 69-07N LONG 168-52W MARSQ 233
SDG 051 WSPD 00 DIR WEA 03 SEA 1 BAR 17 CL 4 AMT 1
DRY 50 2 WET 46 7 RELHU 80 SCD 08 SPOB CR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.75	29.797	23.25	0.635	7.11	106	0.57
5	7.31	30.220	23.64	0.640	7.17	106	0.57
10	7.23	31.402	24.58	0.644	7.21	108	0.51
15	--.-	29.850	--.--	0.636	7.12		0.54
20	4.94	32.393	25.64	0.661	7.40	105	0.57
30	4.75	32.493	25.74	0.652	7.30	103	0.57
45	2.50	32.593	26.03	0.641	7.18	96	1.05

CRUISE BB 236 STATION 019

DATE 08/05/59 HR 1256 ZN 11 LAT 68-58N LONG 167-14W MARSQ 233
SDG 048 WSPD 00 DIR WEA 01 SEA 1 BAR 16 CL * AMT 0
DRY 51 1 WET 46 7 RELHU 75 SCD 09 SPOB CR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.12	30.282	23.72	0.648	7.26	107	1.15
5	6.45	30.425	23.91	0.650	7.28	106	0.77
10	6.38	30.477	23.96	0.651	7.29	106	0.66
15	6.30	30.937	24.34	0.649	7.27	106	0.71
20	6.06	31.313	24.66	0.643	7.20	104	0.74
30	5.00	32.063	25.37	0.654	7.32	104	0.85
35	4.22	32.252	25.60	0.648	7.26	101	0.79

CRUISE BB 236 STATION 020

DATE 08/05/59 HR 1638 ZN 11 LAT 68-56N LONG 166-52W MARSQ 233
SDG 043 WSPD 00 DIR WEA 02 SEA 0 BAR 14 CL 2 AMT 1
DRY 55 4 WET 51 4 RELHU 76 SCD SPOB

DEPTH	TEMP.	SAL.	SIGMA-T		
0	6.88	29.789	23.36	.	.
5	6.72	29.912	23.48	.	.
10	6.30	30.789	24.22	.	.
15	6.29	30.889	24.30	.	.
20	6.35	31.167	24.51	.	.
25	6.26	31.289	24.62	.	.
30	6.06	31.407	24.73	.	.
35	5.08	31.823	25.17	.	.

CRUISE BB 236 STATION 021

DATE 08/05/59 HR 1912 ZN 11 LAT 68-52N LONG 166-15W MARSQ 233
SDG 014 WSPD 00 DIR WEA 03 SEA 0 BAR 14 CL 2 AMT 5
DRY 53 2 WET 47 1 RELHU 63 SCD 08 SPOB CR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.61	30.984	24.20	0.642	7.19	108	0.61
5	6.94	31.241	24.49	0.653	7.31	108	0.62
10	6.85	31.281	24.54	0.650	7.28	108	0.72

CRUISE BB 236 STATION 022

DATE 08/05/59 HR 2223 ZN 11 LAT 68-45N LONG 166-51W MARSQ 233
SDG 037 WSPD 04 DIR 180 WEA 02 SEA 1 BAR 12 CL 2 AMT 6
DRY 48 0 WET 46 9 RELHU 93 SCD SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.46	30.814	24.09	0.644	7.21	108	0.65
5	7.27	30.897	24.18	0.647	7.25	108	0.65
10	6.50	31.198	24.52	0.647	7.25	106	0.67
15	6.03	31.515	24.82	0.643	7.20	105	0.67
20	5.96	31.723	24.99	0.645	7.22	105	0.66
25	5.72	32.157	25.37	0.623	6.98	101	0.72
30	5.19	32.301	25.54	0.623	6.98	100	0.63
35	5.03	32.340	25.59	0.615	6.89	98	0.98

CRUISE BB 236 STATION 023

DATE 08/06/59 HR 0523 ZN 11 LAT 68-16N LONG 168-02W MARSQ 233
SDG 056 WSPD 16 DIR 300 WEA 47 SEA 2 BAR 10 CL * AMT 9
DRY 43 2 WET 42 6 RELHU 96 SCD 10 SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.48	32.131	25.12	0.632	7.08	107	0.67
5	7.48	32.132	25.12	0.635	7.11	107	0.75
10	7.29	32.144	25.16	0.636	7.12	107	0.69
15	6.68	32.167	25.25	0.640	7.17	106	0.74
20	5.61	32.230	25.44	0.646	7.24	105	0.80
25	3.51	32.454	25.83	0.641	7.18	98	0.87
29	3.42	32.457	25.84	0.630	7.06	96	0.75
34	3.36	32.461	25.85	0.631	7.07	96	1.23
39	3.36	32.472	25.86	0.632	7.08	97	0.91
44	3.32	32.470	25.86	0.602	6.74	92	0.87
49	3.22	32.492	25.89	0.608	6.81	93	1.04

CRUISE BB 236 STATION 024

DATE 08/06/59 HR 0920 ZN 11 LAT 68-01N LONG 168-38W MARSQ 233
SDG 059 WSPD 12 DIR 300 WEA 43 SEA 1 BAR 10 CL * AMT 9
DRY 43 9 WET 43 2 RELHU 99 SCD 12 SPOB CR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	6.90	32.120	25.19	0.661	7.40	110	0.89
5	6.89	32.089	25.17	0.661	7.40	110	0.94
10	6.89	32.088	25.17	0.662	7.41	110	0.79
15	4.66	32.270	25.57	0.667	7.47	105	1.01
20	3.13	32.582	25.97	0.620	6.94	94	1.46
25	3.01	32.585	25.98	0.588	6.59	89	1.74
30	2.94	32.582	25.99	0.574	6.43	87	1.82
35	2.92	32.587	25.99	0.543	6.08	82	2.13
40	3.26	32.652	26.01	0.631	7.07	96	1.49
45	3.23	32.667	26.03	0.610	6.83	93	1.45
50	3.44	32.719	26.05	0.621	6.96	95	1.52
55	3.34	32.744	26.08	0.553	6.19	85	1.99

CRUISE BB 236 STATION 025

DATE 08/06/59 HR 1432 ZN 11 LAT 68-28N LONG 168-41W MARSQ 233
SDG 051 WSPD 10 DIR 320 WEA 03 SEA 2 BAR 10 CL * AMT *
DRY 44 2 WET 43 0 RELHU 93 SCD 08 SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.58	31.945	24.96	0.635	7.11	107	0.85
5	7.58	31.959	24.97	0.636	7.12	108	0.80
10	7.33	32.086	25.10	0.643	7.20	108	0.83
15	6.12	32.278	25.41	0.666	7.46	109	0.92
20	5.59	32.326	25.51	0.662	7.41	107	0.91
25	3.28	32.508	25.90	0.620	6.94	95	1.42
30	3.20	32.487	25.89	0.611	6.84	93	1.44
35	3.12	32.486	25.89	0.597	6.69	91	1.60
40	3.08	32.498	25.91	0.595	6.66	90	1.76
45	3.05	32.500	25.91	0.593	6.64	90	1.58
50	3.00	32.512	25.92	0.585	6.55	89	1.81

CRUISE BB 236 STATION 026

DATE 08/07/59 HR 0052 ZN 11 LAT 68-34N LONG 166-20W MARSQ 233
SDG 013 WSPD 04 DIR 290 WEA 03 SEA 1 BAR 10 CL * AMT *
DRY 44 4 WET 43 5 RELHU 93 SCD SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.73	30.454	23.77	0.646	7.24	109	0.83
5	6.98	30.649	24.02	0.657	7.36	109	0.76
10	6.70	31.215	24.50	0.634	7.10	104	0.89

CRUISE BB 236 STATION 027

DATE 08/07/59 HR 0459 ZN 11 LAT 68-15N LONG 166-50W MARSQ 233
SDG 035 WSPD 00 DIR WEA 47 SEA 1 BAR 11 CL * AMT *
DRY 45 9 WET 44 6 RELHU 93 SCD SPOB

DEPTH	TEMP.	SAL.	SIGMA-T		
0	9.28	30.888	23.88	.	.
5	9.26	30.950	23.94	.	.
10	7.76	31.470	24.56	.	.
15	7.14	31.752	24.87	.	.
20	6.78	31.868	25.01	.	.
25	6.77	31.900	25.03	.	.
30	6.66	31.912	25.06	.	.

CRUISE BB 236 STATION 028

DATE 08/07/59 HR 0840 ZN 11 LAT 68-01N LONG 167-28W MARSQ 233
SDG 048 WSPD 05 DIR 180 WEA 45 SEA 1 BAR 11 CL * AMT 9
DRY 45 3 WET 44 6 RELHU 99 SCD 08 SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.34	31.770	24.71	0.632	7.08	109	0.90
5	8.32	31.782	24.73	0.636	7.12	109	0.82
10	7.55	32.038	25.04	0.651	7.29	110	0.81
15	5.84	32.414	25.55	0.656	7.35	107	1.17
20	4.55	32.548	25.81	0.653	7.31	103	0.88
25	3.42	32.612	25.97	0.593	6.64	91	1.64
30	3.38	32.622	25.98	0.591	6.62	91	1.60
35	3.35	32.636	25.99	0.591	6.62	91	1.68
40	3.37	32.634	25.99	0.592	6.63	91	1.63
45	3.37	32.629	25.99	0.593	6.64	91	1.57

CRUISE BB 236 STATION 029

DATE 08/07/59 HR 1429 ZN 11 LAT 67-46N LONG 168-04W MARSQ 233
SDG 051 WSPD 10 DIR 150 WEA 10 SEA 2 BAR 10 CL - AMT
DRY 46 4 WET 45 7 RELHU 99 SCD 10 SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.36	32.299	25.27	0.644	7.21	109	0.90
5	7.34	32.300	25.27	0.645	7.22	109	0.86
10	7.02	32.403	25.40	0.648	7.26	109	0.93
15	6.40	32.453	25.52	0.652	7.30	108	0.82
20	4.62	32.689	25.91	0.636	7.12	101	1.08
25	4.10	32.792	26.04	0.621	6.96	97	1.34
30	4.11	32.824	26.07	0.614	6.88	96	1.29
35	4.02	32.841	26.09	0.557	6.24	87	1.90
40	4.13	32.907	26.13	0.593	6.64	93	1.84
45	4.10	32.946	26.17	0.632	7.08	99	1.93
50	4.12	32.958	26.17	0.577	6.46	90	1.95

CRUISE BB 236 STATION 030

DATE 08/07/59 HR 1848 ZN 11 LAT 67-33N LONG 168-36W MARSQ 233
SDG 051 WSPD 10 DIR 150 WEA 02 SEA 1 BAR 9 CL 5 AMT 2
DRY 49 5 WET 47 8 RELHU 87 SCD 15 SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.97	32.258	25.15	0.636	7.12	109	1.03
5	7.98	32.263	25.15	0.633	7.09	108	0.99
10	6.23	32.464	25.55	0.643	7.20	106	1.02
15	5.23	32.524	25.71	0.632	7.08	101	1.08
20	4.89	32.533	25.76	0.613	6.87	98	1.09
25	4.74	32.605	25.83	0.641	7.18	102	1.03
29	4.40	32.655	25.91	0.591	6.62	93	1.16
34	4.37	32.677	25.93	0.580	6.50	91	1.46
39	4.34	32.660	25.92	0.573	6.42	90	1.96
44	4.34	32.656	25.91	0.569	6.37	89	1.42
49	4.36	32.661	25.91	0.569	6.37	89	1.66

CRUISE BB 236 STATION 031

DATE 08/07/59 HR 2338 ZN 11 LAT 67-07N LONG 168-32W MARSQ 233
SDG 047 WSPD 16 DIR 180 WEA 01 SEA 3 BAR 8 CL 2 AMT 1
DRY 48 7 WET 47 1 RELHU 86 SCD SPOB CR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.65	30.911	23.84	0.621	6.96	110	0.80
10	6.73	32.020	25.13	0.641	7.18	106	0.88
15	4.61	32.615	25.85	0.568	6.36	90	1.45
20	4.51	32.635	25.88	0.577	6.46	91	1.53
25	4.38	32.656	25.91	0.579	6.48	91	1.53
30	4.32	32.668	25.92	0.591	6.62	93	2.05
34	4.05	32.692	25.97	0.590	6.61	92	1.56
39	3.99	32.702	25.98	0.591	6.62	92	1.48
44	3.99	32.703	25.99	0.587	6.57	91	1.55

CRUISE BB 236 STATION 032

DATE 08/08/59 HR 0431 ZN 11 LAT 67-22N LONG 167-53W MARSQ 233
SDG 045 WSPD 20 DIR 180 WEA 03 SEA 3 BAR 10 CL 2 AMT 2
DRY 48 7 WET 47 5 RELHU 86 SCD 06 SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.00	31.694	24.56	0.630	7.06	110	0.98
5	9.00	31.686	24.55	0.632	7.08	110	0.65
10	8.56	31.890	24.78	0.643	7.20	111	0.70
14	5.14	32.707	25.87	0.687	7.69	110	0.83
19	4.62	32.707	25.92	0.610	6.83	97	1.29
24	4.53	32.715	25.94	0.605	6.78	96	1.56
29	4.52	32.725	25.95	0.594	6.65	94	1.39
33	4.48	32.734	25.96	0.597	6.69	94	1.51
38	4.44	32.736	25.97	0.584	6.54	92	1.71

CRUISE BB 236 STATION 033

DATE 08/08/59 HR 0906 ZN 11 LAT 67-34N LONG 167-25W MARSQ 233
SDG 047 WSPD 16 DIR 210 WEA 45 SEA 3 BAR 11 CL * AMT 9
DRY 46 0 WET 46 0 RELHU 99 SCD 05 SPOB CR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.36	32.233	25.22	0.634	7.10	107	0.97
5	7.39	32.234	25.21	0.634	7.10	107	1.04
10	7.40	32.237	25.21	0.634	7.10	107	0.83
15	6.52	32.310	25.39	0.644	7.21	107	0.90
19	4.77	32.563	25.79	0.615	6.89	98	1.19
24	4.50	32.636	25.88	0.624	6.99	98	1.21
29	4.46	32.681	25.92	0.620	6.94	98	1.41
34	4.32	32.737	25.98	0.603	6.75	95	1.47
39	4.13	32.881	26.11	0.560	6.27	88	2.07
43	4.09	32.874	26.11	0.515	5.77	80	-.--

CRUISE BB 236 STATION 034

DATE 08/08/59 HR 1236 ZN 11 LAT 67-50N LONG 166-46W MARSQ 233
SDG 052 WSPD 10 DIR 200 WEA 45 SEA 3 BAR 12 CL * AMT 9
DRY 44 9 WET 44 9 RELHU 99 SCD 07 SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.24	32.240	25.24	0.654	7.32	110	1.01
5	7.23	32.237	25.24	0.656	7.35	110	1.10
10	6.82	32.270	25.32	0.659	7.38	110	0.94
15	6.41	32.313	25.40	0.660	7.39	109	1.32
20	5.10	32.559	25.75	0.652	7.30	104	1.04
25	3.67	32.682	26.00	0.609	6.82	94	1.61
30	3.63	32.688	26.01	0.590	6.61	91	1.62
35	3.64	32.701	26.02	0.590	6.61	91	1.69
40	3.65	32.711	26.02	0.592	6.63	91	1.64
45	3.66	32.716	26.03	0.579	6.48	89	1.65
51	3.73	32.720	26.02	0.578	6.47	89	1.47

CRUISE BB 236 STATION 035

DATE 08/08/59 HR 1719 ZN 11 LAT 68-02N LONG 166-16W MARSQ 233
SDG 024 WSPD 18 DIR 140 WEA 02 SEA 3 BAR 12 CL * AMT 9
DRY 46 2 WET 45 8 RELHU 99 SCD SPOB

DEPTH	TEMP.	SAL.	SIGMA-T		
0	9.88	30.252	23.29	.	.
5	9.87	30.251	23.30	.	.
10	8.84	30.571	23.70	.	.
15	7.45	31.579	24.69	.	.
20	7.43	31.596	24.71	.	.

CRUISE BB 236 STATION 036

DATE 08/08/59 HR 2001 ZN 11 LAT 67-50N LONG 165-33W MARSQ 233
SDG 035 WSPD 18 DIR 200 WEA 47 SEA 3 BAR 14 CL * AMT *
DRY 46 2 WET 46 2 RELHU 99 SCD SPOB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.28	30.934	23.92	0.628	7.03	110	0.92
5	9.27	30.937	23.92	0.630	7.06	110	0.75
10	9.29	30.947	23.93	0.632	7.08	110	0.71
14	7.04	31.715	24.85	0.651	7.29	109	0.87
19	5.71	32.296	25.48	-.---	--.--		0.92
24	5.70	32.303	25.48	0.620	6.94	100	0.91
29	5.68	32.309	25.49	0.620	6.94	100	1.24

CRUISE BB 236 STATION 037

DATE 08/08/59 HR 2234 ZN 11 LAT 67-49N LONG 164-52W MARSQ 233
SDG 015 WSPD 20 DIR 200 WEA 02 SEA 3 BAR 14 CL * AMT 9
DRY 48 3 WET 47 8 RELHU 96 SCD SPOB GB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	10.27	29.280	22.48	0.595	6.66	105	0.92
4	10.28	29.272	22.47	0.597	6.69	106	0.85
9	10.29	29.282	22.48	0.595	6.66	105	0.61

CRUISE BB 236 STATION 038

DATE 08/09/59 HR 0210 ZN 11 LAT 67-35N LONG 165-08W MARSQ 233
SDG 036 WSPD 25 DIR 240 WEA 02 SEA 4 BAR 15 CL * AMT 9
DRY 47 1 WET 46 4 RELHU 93 SCD SPOB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.55	31.470	24.45	0.630	7.06	109	0.86
5	8.55	31.463	24.44	0.628	7.03	108	0.77
9	8.47	31.476	24.47	0.629	7.04	108	0.71
14	5.16	32.112	25.39	0.625	7.00	100	1.11
19	4.90	32.212	25.50	0.621	6.96	99	1.15
23	4.88	32.254	25.54	0.609	6.82	97	1.17
28	4.86	32.288	25.57	0.589	6.60	93	1.27
33	4.85	32.294	25.57	0.589	6.60	93	1.27

CRUISE BB 236 STATION 039

DATE 08/09/59 HR 0600 ZN 11 LAT 67-25N LONG 165-43W MARSQ 233
SDG 038 WSPD 20 DIR 220 WEA 45 SEA 4 BAR 16 CL * AMT 9
DRY 45 3 WET 44 6 RELHU 95 SCD 05 SPOB GB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	5.96	32.443	25.56	0.635	7.11	104	1.00
5	5.97	32.452	25.57	0.642	7.19	105	0.98
9	5.96	32.457	25.57	0.630	7.06	103	0.96
14	5.96	32.449	25.57	0.634	7.10	104	0.98
19	5.96	32.449	25.57	0.631	7.07	103	0.92
24	5.92	32.447	25.57	0.632	7.08	103	0.91
28	5.75	32.433	25.58	0.617	6.91	100	0.94
33	5.49	32.422	25.60	0.598	6.70	97	1.57
38	5.41	32.426	25.61	0.589	6.60	95	1.79

CRUISE BB 236 STATION 040

DATE 08/09/59 HR 1054 ZN 11 LAT 67-14N LONG 166-23W MARSQ 233
SDG 046 WSPD 22 DIR 210 WEA 00 SEA 4 BAR 17 CL * AMT 9
DRY 45 9 WET 45 1 RELHU 93 SCD 10 SPOB GB PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	6.95	32.295	25.32	0.629	7.04	105	0.96
5	6.95	32.301	25.32	0.635	7.11	106	0.94
10	6.96	32.298	25.32	0.630	7.06	105	0.87
14	6.95	32.305	25.33	0.630	7.06	105	0.81
19	6.22	32.426	25.52	0.609	6.82	100	1.04
24	5.07	32.495	25.71	0.596	6.68	95	1.21
29	4.92	32.513	25.74	0.596	6.68	95	1.55
33	4.77	32.568	25.80	0.595	6.66	94	1.77
38	4.52	32.630	25.87	0.598	6.70	94	2.41

CRUISE BB 236 STATION 041

DATE 08/09/59 HR 1552 ZN 11 LAT 67-03N LONG 167-02W MARSQ 233
SDG 041 WSPD 30 DIR 200 WEA 00 SEA 3 BAR 19 CL * AMT 9
DRY 47 3 WET 46 2 RELHU 93 SCD SPOB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.25	30.777	23.80	0.609	6.82	106	0.71
5	9.26	30.778	23.80	0.623	6.98	109	0.73
9	9.27	30.784	23.80	0.607	6.80	106	0.75
14	7.76	31.994	24.97	0.627	7.02	107	1.10
19	5.42	32.480	25.66	0.606	6.79	98	1.01
24	5.10	32.549	25.75	0.583	6.53	93	1.21
28	4.98	32.563	25.77	0.574	6.43	92	1.26
33	4.99	32.565	25.77	0.575	6.44	92	1.47

CRUISE BB 236 STATION 042

DATE 08/09/59 HR 1944 ZN 11 LAT 66-54N LONG 167-34W MARSQ 233
SDG 035 WSPD 24 DIR 190 WEA 47 SEA 3 BAR 18 CL * AMT 9
DRY 44 2 WET 43 9 RELHU 98 SCD 06 SPOB GB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	6.64	32.006	25.13	0.638	7.15	106	0.90
5	6.65	32.006	25.13	0.624	6.99	103	0.90
9	6.65	32.010	25.14	0.624	6.99	103	0.87
14	6.59	32.038	25.16	0.622	6.97	103	0.90
19	5.09	32.528	25.73	0.574	6.43	92	1.25
24	5.05	32.535	25.74	0.573	6.42	92	1.35
28	5.03	32.530	25.74	0.572	6.41	91	1.29
33	5.02	32.533	25.74	0.573	6.42	92	1.37

CRUISE BB 236 STATION 043

DATE 08/10/59 HR 0050 ZN 11 LAT 66-43N LONG 168-13W MARSQ 233
SDG 035 WSPD 16 DIR 190 WEA 02 SEA 3 BAR 20 CL 0 AMT 8
DRY 42 4 WET 41 7 RELHU 95 SCD SPOB GB CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	3.88	32.581	25.90	0.645	7.22	100	1.37
5	3.79	32.589	25.91	0.645	7.22	100	1.37
9	3.76	32.597	25.92	0.650	7.28	101	1.32
14	3.54	32.588	25.94	0.651	7.29	100	1.37
19	3.46	32.599	25.95	0.650	7.28	100	1.49
24	3.40	32.599	25.96	0.652	7.30	100	1.48
28	3.37	32.593	25.96	0.652	7.30	100	1.53

CRUISE BB 236 STATION 044

DATE 08/10/59 HR 0435 ZN 11 LAT 66-32N LONG 167-40W MARSQ 233
SDG 027 WSPD 20 DIR 190 WEA 50 SEA 3 BAR 20 CL 0 AMT 8
DRY 42 6 WET 42 4 RELHU 99 SCD 05 SPOB GB CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	5.62	32.460	25.62	0.618	6.92	100	1.03
5	5.64	32.453	25.61	0.621	6.96	101	1.00
9	5.64	32.466	25.62	0.619	6.93	100	0.99
14	5.64	32.456	25.61	0.619	6.93	100	0.99
19	5.62	32.456	25.61	0.616	6.90	100	1.02
23	5.62	32.462	25.62	0.619	6.93	100	1.01

CRUISE BB 236 STATION 045

DATE 08/10/59 HR 0744 ZN 11 LAT 66-46N LONG 167-08W MARSQ 233
SDG 037 WSPD 20 DIR 200 WEA 47 SEA 3 BAR 21 CL * AMT 9
DRY 44 4 WET 44 2 RELHU 99 SCD 08 SPOB GB PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.05	31.830	24.94	0.609	6.82	102	-.--
5	7.05	31.834	24.94	0.610	6.83	102	-.--
10	7.06	31.832	24.94	0.606	6.79	101	-.--
14	7.07	31.836	24.94	0.606	6.79	101	-.--
19	6.97	31.872	24.99	0.604	6.76	101	-.--
24	5.94	32.225	25.39	0.578	6.47	94	-.--
28	5.88	32.239	25.41	0.572	6.41	93	-.--
33	5.82	32.269	25.44	0.571	6.40	93	-.--

CRUISE BB 236 STATION 046

DATE 08/10/59 HR 1106 ZN 11 LAT 67-00N LONG 166-34W MARSQ 233
SDG 036 WSPD 19 DIR 220 WEA 41 SEA 2 BAR 21 CL 0 AMT 8
DRY 47 5 WET 46 6 RELHU 93 SCD 08 SPOB CR GB CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.62	30.944	24.03	0.602	6.74	104	-.--
5	8.63	30.949	24.03	0.600	6.72	103	-.--
9	8.64	30.945	24.03	0.601	6.73	104	-.--
14	8.66	30.945	24.02	0.600	6.72	103	-.--
19	8.46	31.680	24.63	0.601	6.73	104	-.--
23	6.87	31.819	24.96	0.590	6.61	98	-.--
28	6.80	31.826	24.97	0.587	6.57	98	-.--
33	6.81	31.827	24.97	0.586	6.56	97	-.--

CRUISE BB 236 STATION 047

DATE 08/11/59 HR 0020 ZN 11 LAT 66-13N LONG 167-19W MARSQ 233
SDG 020 WSPD 08 DIR 220 WEA 00 SEA 1 BAR 19 CL * AMT 9
DRY 47 6 WET 46 4 RELHU 92 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.98	30.087	23.15	0.583	6.53	103	-.--
5	9.90	30.092	23.17	0.582	6.52	103	-.--
10	9.94	30.129	23.19	0.583	6.53	103	0.95
15	9.88	30.224	23.27	0.582	6.52	103	1.02

CRUISE BB 236 STATION 048

DATE 08/11/59 HR 0338 ZN 11 LAT 66-27N LONG 166-38W MARSQ 233
SDG 017 WSPD 02 DIR 230 WEA 01 SEA 1 BAR 19 CL 6 AMT 6
DRY 47 8 WET 46 9 RELHU 93 SCD 07 SPOB GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.74	30.547	23.55	0.594	6.65	105	1.13
5	9.68	30.586	23.59	0.595	6.66	105	1.05
10	9.43	30.699	23.71	0.593	6.64	104	1.06
14	9.33	30.754	23.77	0.594	6.65	104	1.08

CRUISE BB 236 STATION 049

DATE 08/11/59 HR 0706 ZN 11 LAT 66-40N LONG 166-00W MARSQ 233
SDG 022 WSPD 00 DIR WEA 03 SEA 1 BAR 18 CL 6 AMT 7
DRY 48 9 WET 47 5 RELHU 90 SCD 08 SPOB CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.71	30.823	23.77	0.602	6.74	106	0.97
5	9.68	30.828	23.77	0.602	6.74	106	0.98
9	9.52	30.846	23.81	0.600	6.72	105	0.96
14	9.42	30.923	23.89	0.592	6.63	104	1.03
19	9.34	30.995	23.96	0.587	6.57	103	1.04

CRUISE BB 236 STATION 050

DATE 08/11/59 HR 1156 ZN 11 LAT 66-53N LONG 165-20W MARSQ 233
SDG 025 WSPD 03 DIR 320 WEA 47 SEA 1 BAR 19 CL * AMT 9
DRY 48 7 WET 47 8 RELHU 93 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.56	30.998	23.93	0.603	6.75	106	0.99
5	9.26	31.000	23.97	0.595	6.66	104	1.02
10	8.94	31.054	24.07	0.602	6.74	105	1.10
15	8.70	31.175	24.20	0.588	6.59	102	1.04
20	7.64	31.437	24.55	0.585	6.55	99	1.66

CRUISE BB 236 STATION 051

DATE 08/11/59 HR 1611 ZN 11 LAT 67-06N LONG 164-39W MARSQ 233
SDG 029 WSPD 00 DIR WEA 45 SEA 1 BAR 14 CL * AMT 9
DRY 48 5 WET 47 8 RELHU 93 SCD 07 SPOB CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	10.42	31.346	24.06	0.632	7.08	114	0.80
5	10.28	31.363	24.09	0.637	7.13	114	0.73
10	9.02	31.481	24.39	0.629	7.04	110	0.76
15	7.24	31.558	24.70	0.558	6.25	93	1.19
20	7.29	31.590	24.72	0.563	6.31	94	1.20
24	7.37	31.633	24.74	0.571	6.40	96	1.14

CRUISE BB 236 STATION 052

DATE 08/11/59 HR 1848 ZN 11 LAT 67-14N LONG 164-14W MARSQ 233
SDG 018 WSPD 09 DIR 340 WEA 45 SEA 1 BAR 13 CL * AMT 9
DRY 48 5 WET 48 2 RELHU 98 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	11.24	29.898	22.79	0.635	7.11	115	0.75
5	11.20	29.931	22.83	0.637	7.13	116	0.76
10	9.24	31.468	24.34	0.629	7.04	110	0.76
15	7.73	31.734	24.77	0.589	6.60	100	1.10

CRUISE BB 236 STATION 053

DATE 08/11/59 HR 2055 ZN 11 LAT 67-19N LONG 163-58W MARSQ 233
SDG 013 WSPD 09 DIR 340 WEA 01 SEA 1 BAR 13 CL 5 AMT 6
DRY WET RELHU SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	11.93	24.332	18.37	0.604	6.76	107	0.62
5	9.25	27.062	20.91	0.639	7.16	109	0.85
10	6.58	30.135	23.67	-.---	--.--		1.41

CRUISE BB 236 STATION 054

DATE 08/11/59 HR 2343 ZN 11 LAT 67-08N LONG 163-54W MARSQ 233
SDG 014 WSPD 11 DIR 320 WEA 47 SEA 1 BAR 12 CL * AMT 9
DRY 48 2 WET 47 8 RELHU 97 SCD 03 SPOB GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	12.24	22.562	16.96	0.602	6.74	106	0.55
5	10.88	27.963	21.36	0.612	6.85	109	0.72
10	5.50	29.684	23.44	0.614	6.88	97	1.34

CRUISE BB 236 STATION 055

DATE 08/12/59 HR 0319 ZN 11 LAT 66-54N LONG 163-19W MARSQ 233
SDG 013 WSPD 06 DIR 000 WEA 01 SEA 1 BAR 11 CL * AMT 0
DRY 54 1 WET 50 7 RELHU 82 SCD 06 SPOB CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	12.52	21.924	16.42	0.595	6.66	105	0.49
5	12.13	22.784	17.15	0.601	6.73	106	0.52
9	5.74	29.390	23.18	0.665	7.45	106	0.96

CRUISE BB 236 STATION 056

DATE 08/12/59 HR 0530 ZN 11 LAT 66-48N LONG 163-34W MARSQ 233
SDG 022 WSPD 08 DIR 000 WEA 03 SEA 1 BAR 10 CL 4 AMT 1
DRY 51 3 WET 50 9 RELHU 97 SCD 07 SPOB CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	12.92	21.771	16.23	0.592	6.63	106	0.35
5	11.35	30.077	22.91	0.612	6.85	111	0.85
10	7.68	31.073	24.26	0.597	6.69	101	0.92
15	8.48	31.563	24.53	0.601	6.73	104	0.86
19	7.04	31.671	24.82	0.574	6.43	96	1.17

CRUISE BB 236 STATION 057

DATE 08/12/59 HR 0800 ZN 11 LAT 66-39N LONG 163-52W MARSQ 233
SDG 018 WSPD 08 DIR 000 WEA 00 SEA 1 BAR 10 CL * AMT 9
DRY 47 4 WET 47 1 RELHU 98 SCD 05 SPOB CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	10.38	31.341	24.06	0.595	6.66	107	0.91
5	10.36	31.341	24.06	0.598	6.70	108	0.96
10	10.39	31.339	24.06	0.599	6.71	108	1.06
14	10.39	31.346	24.06	0.595	6.66	107	0.98

CRUISE BB 236 STATION 058

DATE 08/12/59 HR 1127 ZN 11 LAT 66-53N LONG 164-31W MARSQ 233
SDG 026 WSPD 07 DIR 325 WEA 05 SEA 1 BAR 9 CL - AMT 0
DRY 50 0 WET 48 5 RELHU 89 SCD 09 SPOB CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.47	31.108	24.03	0.606	6.79	107	0.80
5	9.42	31.111	24.04	0.605	6.78	106	0.78
10	9.38	31.122	24.05	0.603	6.75	106	0.79
15	9.38	31.164	24.08	0.595	6.66	104	0.78
20	7.15	31.411	24.60	0.556	6.23	93	1.08
25	7.06	31.428	24.62	0.551	6.17	92	1.18

CRUISE BB 236 STATION 059

DATE 08/12/59 HR 1522 ZN 11 LAT 66-40N LONG 165-03W MARSQ 233
SDG 021 WSPD 06 DIR 310 WEA 00 SEA 1 BAR 8 CL AMT 0
DRY 52 3 WET 51 4 RELHU 94 SCD 12 SPOB CR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	10.10	31.081	23.90	0.597	6.69	106	0.86
5	9.91	31.084	23.94	0.595	6.66	106	0.87
10	9.52	31.104	24.01	0.597	6.69	105	0.81
14	9.28	31.139	24.08	0.591	6.62	104	0.95
19	9.15	31.147	24.11	0.576	6.45	101	0.98

CRUISE BB 236 STATION 060

DATE 08/12/59 HR 1918 ZN 11 LAT 66-25N LONG 165-41W MARSQ 233
SDG 020 WSPD 02 DIR 350 WEA 02 SEA 1 BAR 7 CL 1 AMT 2
DRY 50 0 WET 49 6 RELHU 97 SCD 08 SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	10.59	31.060	23.81	0.580	6.50	105	0.96
5	10.58	31.069	23.81	0.578	6.47	104	0.89
9	10.09	31.055	23.88	0.574	6.43	102	0.98
14	9.98	31.050	23.90	0.567	6.35	101	1.04

CRUISE BB 236 STATION 061

DATE 08/12/59 HR 2244 ZN 11 LAT 66-40N LONG 166-20W MARSQ 233
SDG 020 WSPD 06 DIR 310 WEA 47 SEA 1 BAR 7 CL * AMT 9
DRY 45 3 WET 45 0 RELHU 98 SCD SPOB GB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	10.59	30.216	23.15	0.593	6.64	106	0.84
5	10.60	30.217	23.15	0.592	6.63	106	0.80
9	9.82	30.296	23.34	0.592	6.63	104	0.86
14	9.70	30.491	23.51	0.562	6.29	99	0.94
19	8.51	31.407	24.41	0.575	6.44	99	1.04

CRUISE BB 236 STATION 062

DATE 08/13/59 HR 0338 ZN 11 LAT 66-51N LONG 166-49W MARSQ 233
SDG 037 WSPD 08 DIR 310 WEA 00 SEA 1 BAR 6 CL AMT 0
DRY 43 8 WET 43 5 RELHU 99 SCD 08 SPOB CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.28	31.563	24.56	0.601	6.73	103	1.20
5	8.30	31.559	24.56	0.594	6.65	102	1.06
10	6.10	32.249	25.39	0.589	6.60	96	1.19
15	5.82	32.307	25.47	0.574	6.43	93	1.32
20	5.74	32.355	25.52	0.577	6.46	94	1.27
24	5.69	32.364	25.53	0.571	6.40	93	1.42
29	5.62	32.380	25.55	0.565	6.33	91	1.25
34	5.53	32.405	25.58	0.562	6.29	91	1.31

CRUISE BB 236 STATION 063

DATE 08/13/59 HR 0850 ZN 11 LAT 66-51N LONG 166-49W MARSQ 233
SDG 037 WSPD 10 DIR 345 WEA 01 SEA 1 BAR 6 CL 1 AMT 2
DRY 50 3 WET 48 3 RELHU 87 SCD SPOB CUR PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.25	31.783	24.74	0.603	6.75	104	1.01
5	7.16	32.144	25.17	0.602	6.74	101	1.10
10	6.10	32.359	25.48	0.603	6.75	99	1.24
15	5.88	32.375	25.52	0.594	6.65	97	1.21
20	5.78	32.387	25.54	0.587	6.57	95	1.20
25	5.71	32.403	25.56	0.589	6.60	96	1.28
30	5.68	32.418	25.58	0.592	6.63	96	1.21
35	5.68	32.421	25.58	0.597	6.69	97	1.28

CRUISE BB 236 STATION 064

DATE 08/13/59 HR 1252 ZN 11 LAT 66-51N LONG 166-49W MARSQ 233
SDG 037 WSPD 12 DIR 320 WEA 01 SEA 1 BAR 6 CL 1 AMT 2
DRY 48 2 WET 47 4 RELHU 92 SCD SPOB CUR PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.94	31.437	24.36	0.602	6.74	105	1.03
5	8.88	31.447	24.38	0.604	6.76	105	1.05
10	6.18	32.419	25.52	0.613	6.87	101	1.04
15	5.88	32.398	25.54	0.597	6.69	97	1.33
20	5.84	32.407	25.55	0.601	6.73	98	1.19
25	5.76	32.440	25.58	0.607	6.80	99	1.19
30	5.63	32.454	25.61	0.603	6.75	98	1.25
35	5.62	32.454	25.61	0.601	6.73	97	1.26

CRUISE BB 236 STATION 065

DATE 08/13/59 HR 1613 ZN 11 LAT 66-51N LONG 166-49W MARSQ 233
SDG 037 WSPD 16 DIR 330 WEA 03 SEA 1 BAR 5 CL 1 AMT 2
DRY 47 1 WET 46 4 RELHU 95 SCD SPOB CUR PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.90	31.629	24.52	0.602	6.74	105	0.94
5	7.66	32.018	25.01	0.607	6.80	103	1.03
10	6.54	32.439	25.49	0.616	6.90	102	1.19
15	5.69	32.437	25.59	0.606	6.79	98	1.20
20	5.61	32.447	25.61	0.602	6.74	97	1.17
25	5.56	32.459	25.62	0.602	6.74	97	1.29
30	5.54	32.464	25.63	0.601	6.73	97	1.35
35	5.54	32.462	25.63	0.601	6.73	97	1.19

CRUISE BB 236 STATION 066

DATE 08/13/59 HR 2012 ZN 11 LAT 66-51N LONG 166-49W MARSQ 233
SDG 037 WSPD 19 DIR 330 WEA 02 SEA 2 BAR 5 CL 1 AMT 2
DRY 46 4 WET 45 6 RELHU 94 SCD SPOB CUR PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.20	31.740	24.71	0.611	6.84	105	0.92
3	8.10	31.764	24.74	0.614	6.88	105	-.--
5	7.72	31.954	24.95	0.616	6.90	105	0.98
8	6.20	32.357	25.46	0.613	6.87	101	-.--
10	5.98	32.353	25.49	0.602	6.74	98	1.10
15	5.86	32.385	25.53	0.603	6.75	98	1.11
20	5.85	32.411	25.55	0.608	6.81	99	1.10
25	5.82	32.414	25.56	0.607	6.80	99	1.07
30	5.74	32.426	25.58	0.607	6.80	99	1.10
35	5.64	32.446	25.60	0.606	6.79	98	1.11

CRUISE BB 236 STATION 067

DATE 08/14/59 HR 0011 ZN 11 LAT 66-51N LONG 166-49W MARSQ 233
SDG 037 WSPD 19 DIR 340 WEA 03 SEA 2 BAR 5 CL 4 AMT 7
DRY 45 6 WET 45 2 RELHU 97 SCD SPOB CUR PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.29	31.481	24.50	0.600	6.72	103	1.07
5	8.18	31.536	24.55	0.605	6.78	104	0.96
10	5.89	32.460	25.58	0.619	6.93	101	1.08
20	5.52	32.475	25.64	0.608	6.81	98	1.14
25	5.48	32.491	25.66	0.608	6.81	98	1.19
30	5.46	32.484	25.65	0.608	6.81	98	1.17
35	5.48	32.496	25.66	0.608	6.81	98	1.24

CRUISE BB 236 STATION 068

DATE 08/14/59 HR 0416 ZN 11 LAT 66-51N LONG 166-49W MARSQ 233
SDG 033 WSPD 18 DIR 350 WEA 03 SEA 2 BAR 4 CL 4 AMT 8
DRY 46 0 WET 45 3 RELHU 96 SCD SPOB CUR PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.18	31.228	24.16	0.594	6.65	104	0.88
5	6.68	32.090	25.19	0.608	6.81	101	1.00
10	5.74	32.454	25.60	0.619	6.93	101	1.01
15	5.68	32.456	25.61	0.616	6.90	100	1.15
20	5.58	32.464	25.62	0.612	6.85	99	1.16
25	5.52	32.477	25.64	0.608	6.81	98	1.17
30	5.50	32.483	25.65	0.607	6.80	98	1.18

CRUISE BB 236 STATION 069

DATE 08/14/59 HR 0850 ZN 11 LAT 66-51N LONG 166-49W MARSQ 233
SDG 033 WSPD 17 DIR 350 WEA 01 SEA 1 BAR 1 CL 4 AMT 6
DRY 47 6 WET 46 7 RELHU 93 SCD SPOB CUR PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	9.37	30.815	23.81	0.587	6.57	103	0.90
5	9.34	30.814	23.82	0.590	6.61	103	0.87
10	6.96	32.319	25.34	0.640	7.17	107	0.99
15	5.75	32.483	25.62	0.616	6.90	100	1.04
20	5.53	32.519	25.67	0.622	6.97	101	1.07
25	5.38	32.512	25.69	0.611	6.84	98	1.19
30	5.35	32.516	25.69	0.611	6.84	98	1.15

CRUISE BB 236 STATION 070

DATE 08/14/59 HR 1239 ZN 11 LAT 67-06N LONG 167-32W MARSQ 233
SDG 039 WSPD 12 DIR 320 WEA 03 SEA 1 BAR 5 CL 4 AMT 8
DRY 43 5 WET 42 8 RELHU 95 SCD 07 SPOB CR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	5.31	32.589	25.75	0.622	6.97	100	1.17
5	5.33	32.588	25.75	0.621	6.96	100	1.19
10	5.18	32.593	25.77	0.622	6.97	100	1.33
15	4.92	32.599	25.81	0.619	6.93	99	1.27
20	4.04	32.635	25.93	0.624	6.99	97	1.51
25	3.80	32.643	25.96	0.623	6.98	97	1.57
30	3.58	32.650	25.98	0.612	6.85	94	1.67
35	3.57	32.649	25.98	0.613	6.87	94	1.87

CRUISE BB 236 STATION 071

DATE 08/14/59 HR 1558 ZN 11 LAT 67-08N LONG 167-40W MARSQ 233
SDG 040 WSPD 10 DIR 350 WEA 02 SEA 1 BAR 5 CL 4 AMT 8
DRY 45 3 WET 44 6 RELHU 95 SCD 04 SPOB CUR GB PRDD PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	4.56	32.655	25.89	0.653	7.31	103	1.37
5	4.53	32.654	25.89	0.652	7.30	103	1.27
10	4.59	32.658	25.89	0.655	7.34	104	1.28
15	4.48	32.671	25.91	0.645	7.22	102	1.33
20	4.36	32.645	25.90	0.632	7.08	99	1.39
25	3.80	32.649	25.96	0.623	6.98	97	1.40
30	3.56	32.661	25.99	0.622	6.97	96	1.24
34	3.44	32.655	26.00	0.618	6.90	95	1.61
39	3.45	32.656	26.00	0.609	6.82	94	1.99

CRUISE BB 236 STATION 072

DATE 08/15/59 HR 0101 ZN 11 LAT 67-08N LONG 167-40W MARSQ 233
SDG 040 WSPD 04 DIR 320 WEA 03 SEA 1 BAR 6 CL 6 AMT 7
DRY 42 8 WET 42 0 RELHU 94 SCD SPOB CUR PRDD PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	4.54	32.649	25.89	0.621	6.96	98	1.36
5	4.56	32.641	25.88	0.623	6.98	98	1.05
10	4.58	32.644	25.88	0.623	6.98	98	1.22
15	4.54	32.645	25.88	0.627	7.02	99	1.41
20	3.52	32.666	26.00	0.641	7.18	99	1.48
25	3.26	32.658	26.02	0.618	6.92	94	1.63
30	3.22	32.648	26.01	0.620	6.94	95	1.74
35	3.19	32.648	26.02	0.620	6.94	95	1.99

CRUISE BB 236 STATION 073

DATE 08/15/59 HR /853 ZN 11 LAT 67-08N LONG 167-40W MARSQ 233
SDG 040 WSPD 04 DIR 270 WEA 02 SEA 1 BAR 6 CL 6 AMT 7
DRY 44 4 WET 43 3 RELHU 93 SCD SPOB CUR PRDD PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	4.62	32.638	25.87	0.633	7.09	100	1.34
5	4.60	32.638	25.87	0.635	7.11	100	1.34
10	4.60	32.637	25.87	0.634	7.10	100	1.33
15	3.28	32.633	26.00	0.636	7.12	97	1.66
20	3.05	32.626	26.01	0.627	7.02	95	1.56
25	3.04	32.646	26.03	0.634	7.10	96	1.64
30	3.03	32.652	26.03	0.638	7.15	97	1.66
35	2.92	32.646	26.04	0.613	6.87	93	1.93

CRUISE BB 236 STATION 074

DATE 08/15/59 HR 1718 ZN 11 LAT 67-08N LONG 167-40W MARSQ 233
SDG 040 WSPD 11 DIR 260 WEA 28 SEA 1 BAR 9 CL * AMT *
DRY 44 0 WET 43 3 RELHU 95 SCD 06 SPOB CUR PRDD PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	4.72	32.638	25.86	0.712	7.97	113	1.17
5	4.22	32.642	25.91	0.709	7.94	111	1.07
10	4.18	32.642	25.92	0.683	7.65	107	1.16
15	3.94	32.637	25.94	0.691	7.74	107	1.23
20	3.15	32.653	26.02	0.627	7.02	96	1.64
25	3.14	32.654	26.03	0.632	7.08	96	1.83
30	3.13	32.654	26.03	0.626	7.01	95	1.74
35	3.16	32.657	26.03	0.628	7.03	96	1.92

CRUISE BB 236 STATION 075

DATE 08/16/59 HR 0131 ZN 11 LAT 67-08N LONG 167-40W MARSQ 233
SDG 040 WSPD 04 DIR 255 WEA 00 SEA 1 BAR 15 CL * AMT 9
DRY GE 6 WET 41 3 RELHU 85 SCD SPOB PRDD PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	5.02	32.641	25.83	0.771	8.64	123	0.98
5	5.02	32.647	25.83	0.771	8.64	123	0.91
10	3.42	32.652	26.00	0.636	7.12	98	1.72
15	3.41	32.659	26.01	0.637	7.13	98	1.89
20	3.46	32.668	26.01	0.644	7.21	99	1.96
25	3.44	32.663	26.01	0.639	7.16	98	1.66
30	3.50	32.681	26.01	0.625	7.00	96	1.87
35	3.52	32.689	26.02	0.623	6.98	96	2.00

CRUISE BB 236 STATION 084

DATE 08/16/59 HR 1308 ZN 11 LAT 68-00N LONG 165-46W MARSQ 233
SDG 027 WSPD 06 DIR 230 WEA 02 SEA 1 BAR 16 CL 6 AMT 7
DRY 48 5 WET 46 9 RELHU 86 SCD 12 SPOB GB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	11.52	28.583	21.73	0.607	6.80	110	0.74
5	9.26	31.285	24.20	0.623	6.98	109	0.85
10	8.51	31.457	24.44	0.614	6.88	106	1.01
15	8.30	31.520	24.52	0.610	6.83	105	0.92
19	8.19	31.530	24.55	0.607	6.80	104	0.92
24	8.15	31.535	24.56	0.604	6.76	103	0.92

CRUISE BB 236 STATION 086

DATE 08/19/59 HR 0037 ZN 11 LAT 66-38N LONG 163-57W MARSQ 233
SDG 013 WSPD 00 DIR WEA 03 SEA 0 BAR 4 CL 6 AMT 6
DRY 53 9 WET 53 2 RELHU 96 SCD SPOB CUR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T		
0	12.21	30.996	23.47	.	.
5	12.18	30.994	23.47	.	.
10	12.20	30.996	23.47	.	.

CRUISE BB 236 STATION 087

DATE 08/19/59 HR 0536 ZN 11 LAT 66-38N LONG 163-57W MARSQ 233
SDG 012 WSPD 06 DIR 250 WEA 47 SEA 1 BAR 4 CL * AMT 9
DRY 51 8 WET 51 8 RELHU 99 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	12.20	30.990	23.47	.	.
5	12.20	30.986	23.46	.	.
10	12.22	30.991	23.46	.	.

CRUISE BB 236 STATION 090

DATE 08/19/59 HR 0816 ZN 11 LAT 66-54N LONG 164-00W MARSQ 233
SDG 020 WSPD 00 DIR WEA 01 SEA 1 BAR 4 CL 8 AMT 5
DRY 53 6 WET 52 9 RELHU 94 SCD SPOB CUR GB

DEPTH	TEMP.	SAL.	SIGMA-T		
0	11.05	31.040	23.71	.	.
5	10.45	31.119	23.87	.	.
10	10.34	31.128	23.90	.	.
15	10.24	31.125	23.91	.	.
20	9.04	31.447	24.36	.	.

CRUISE BB 236 STATION 091

DATE 08/19/59 HR 1151 ZN 11 LAT 66-54N LONG 164-00W MARSQ 233
SDG 020 WSPD 00 DIR WEA 01 SEA 0 BAR 5 CL 6 AMT 3
DRY 54 3 WET 54 3 RELHU 99 SCD SPOB CUR CR PRDS CB

DEPTH	TEMP.	SAL.	SIGMA-T		
0	10.55	30.852	23.65	.	.
5	10.44	31.119	23.88	.	.
10	10.34	31.123	23.90	.	.
15	10.27	31.123	23.91	.	.
20	8.86	31.474	24.41	.	.

CRUISE BB 236 STATION 094

DATE 08/19/59 HR 1649 ZN 11 LAT 67-07N LONG 163-51W MARSQ 233
SDG 013 WSPD 15 DIR 310 WEA 01 SEA 1 BAR 5 CL 2 AMT 1
DRY 56 8 WET 55 7 RELHU 94 SCD SPOB CUR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T		
0	14.32	19.000	13.86	.	.
5	13.06	21.337	15.88	.	.
10	8.08	30.596	23.83	.	.

CRUISE BB 236 STATION 095

DATE 08/19/59 HR 2200 ZN 11 LAT 67-07N LONG 163-53W MARSQ 233
SDG 013 WSPD 01 DIR 310 WEA 47 SEA 1 BAR 5 CL * AMT 9
DRY 50 9 WET 50 4 RELHU 94 SCD SPOB CUR CR GB PRDS

DEPTH	TEMP.	SAL.	SIGMA-T		
0	13.86	19.991	14.70	.	.
5	9.35	27.629	21.34	.	.
10	8.18	31.116	24.23	.	.

CRUISE BB 236 STATION 099

DATE 08/20/59 HR 0538 ZN 11 LAT 67-09N LONG 164-42W MARSQ 233
SDG 029 WSPD 08 DIR 300 WEA 47 SEA 1 BAR 6 CL * AMT 9
DRY 48 0 WET 47 8 RELHU 99 SCD SPOB CUR CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T		
0	10.82	30.614	23.42	.	.
5	10.58	30.705	23.53	.	.
10	10.07	30.841	23.72	.	.
15	9.82	30.870	23.78	.	.
20	8.90	30.951	23.99	.	.
25	8.43	31.298	24.33	.	.

CRUISE BB 236 STATION 100

DATE 08/20/59 HR 0949 ZN 11 LAT 67-09N LONG 164-42W MARSQ 233
SDG 030 WSPD 07 DIR 260 WEA 10 SEA 1 BAR 6 CL * AMT 9
DRY 47 1 WET 46 9 RELHU 99 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	10.68	30.758	23.56	.	.
5	10.65	30.756	23.56	.	.
10	10.26	30.773	23.64	.	.
15	9.26	30.830	23.84	.	.
20	8.75	30.974	24.03	.	.
25	8.29	31.322	24.37	.	.
30	8.28	31.337	24.38	.	.

CRUISE BB 236 STATION 101

DATE 08/20/59 HR 1150 ZN 11 LAT 67-14N LONG 165-03W MARSQ 233
SDG 033 WSPD 02 DIR 250 WEA 03 SEA 1 BAR 7 CL 5 AMT 7
DRY 48 2 WET 47 1 RELHU 93 SCD SPOB CUR PRDS PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT		
0	10.72	30.682	23.49	0.592	6.63	106	3.10	92
5	10.56	30.697	23.53	0.585	6.55	105		
10	8.82	31.948	24.78	0.632	7.08	110		
15	6.86	32.085	25.17	0.582	6.52	97		
20	6.52	32.209	25.31	0.588	6.59	97		
25	6.38	32.259	25.37	0.576	6.45	95		
30	6.00	32.400	25.52	0.583	6.53	95		

CRUISE BB 236 STATION 102

DATE 08/20/59 HR 1318 ZN 11 LAT 67-15N LONG 165-03W MARSQ 233
SDG 033 WSPD 08 DIR 230 WEA 01 SEA 1 BAR 7 CL 4 AMT 5
DRY 46 4 WET 46 2 RELHU 99 SCD SPOB CUR PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	
0	10.95	30.792	23.54	-.---	--.--		-.---
5	10.00	31.524	24.26	0.622	6.97	111	
10	6.86	31.945	25.06	0.583	6.53	97	
15	6.74	32.106	25.20	0.576	6.45	96	
20	6.53	32.220	25.32	0.581	6.51	96	
25	6.10	32.386	25.50	0.598	6.70	98	
30	5.98	32.414	25.54	0.582	6.52	95	

CRUISE BB 236 STATION 104

DATE 08/20/59 HR 1805 ZN 11 LAT 67-18N LONG 165-26W MARSQ 233
SDG 034 WSPD 14 DIR 270 WEA 47 SEA 1 BAR 7 CL * AMT 9
DRY 46 2 WET 45 5 RELHU 96 SCD 11 SPOB CUR CR PRDD PLK5

DEPTH	TEMP.	SAL.	SIGMA-T				
0	7.31	32.539	25.46	.	.		
5	6.91	32.547	25.52	.	.		
10	5.90	32.537	25.64	.	.		
15	5.82	32.546	25.66	.	.		
20	5.70	32.553	25.68	.	.		
25	5.57	32.551	25.69	.	.		
30	5.53	32.553	25.70	.	.		

CRUISE BB 236 STATION 105

DATE 08/20/59 HR 2200 ZN 11 LAT 67-19N LONG 165-26W MARSQ 233
SDG 035 WSPD 06 DIR 270 WEA 02 SEA 1 BAR 6 CL 4 AMT 6
DRY 46 4 WET 45 7 RELHU 95 SCD SPOB CUR PRDD PLKV

DEPTH	TEMP.	SAL.	SIGMA-T		
0	7.32	32.549	25.47	.	.
5	7.31	32.541	25.46	.	.
10	6.10	32.561	25.64	.	.
15	5.66	32.551	25.68	.	.
20	5.54	32.555	25.70	.	.
25	5.31	32.553	25.73	.	.
30	5.28	32.556	25.73	.	.

CRUISE BB 236 STATION 106

DATE 08/21/59 HR 0229 ZN 11 LAT 67-19N LONG 165-26W MARSQ 233
SDG 034 WSPD 08 DIR 250 WEA 03 SEA 1 BAR 6 CL 4 AMT 6
DRY 47 5 WET 46 6 RELHU 93 SCD SPOB CUR PRDD PLK5

DEPTH	TEMP.	SAL.	SIGMA-T		
0	7.46	32.514	25.42	.	.
5	7.44	32.512	25.42	.	.
10	5.96	32.563	25.66	.	.
15	5.78	32.545	25.66	.	.
20	5.80	32.549	25.67	.	.
25	5.72	32.543	25.67	.	.
30	5.61	32.549	25.69	.	.

CRUISE BB 236 STATION 107

DATE 08/21/59 HR 0615 ZN 11 LAT 67-19N LONG 165-24W MARSQ 233
SDG 034 WSPD 05 DIR 120 WEA 01 SEA 1 BAR 6 CL 4 AMT 6
DRY 46 4 WET 46 4 RELHU 99 SCD 12 SPOB CUR PRDD PLKV

DEPTH	TEMP.	SAL.	SIGMA-T		
0	7.64	32.477	25.37	.	.
5	7.60	32.472	25.37	.	.
10	6.15	32.510	25.59	.	.
15	5.86	32.517	25.63	.	.
20	5.82	32.536	25.65	.	.
25	5.82	32.537	25.65	.	.
30	5.78	32.537	25.66	.	.

CRUISE BB 236 STATION 108

DATE 08/21/59 HR 1242 ZN 11 LAT 67-30N LONG 165-57W MARSQ 233
SDG 034 WSPD 10 DIR 050 WEA 03 SEA 1 BAR 8 CL 6 AMT 6
DRY 48 6 WET 46 0 RELHU 83 SCD 12 SPOB CUR CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T		
0	7.34	32.504	25.43	•	•
5	7.34	32.499	25.43	•	•
10	6.80	32.502	25.50	•	•
15	5.82	32.499	25.62	•	•
20	5.79	32.510	25.64	•	•
25	5.78	32.507	25.63	•	•
30	5.67	32.513	25.65	•	•

CRUISE BB 236 STATION 109

DATE 08/21/59 HR 1723 ZN 11 LAT 67-30N LONG 165-57W MARSQ 233
SDG 042 WSPD 10 DIR 010 WEA 02 SEA 1 BAR 8 CL 4 AMT 6
DRY 48 6 WET 46 4 RELHU 86 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	7.44	32.484	25.40	•	•
5	7.31	32.482	25.42	•	•
10	6.42	32.484	25.54	•	•
15	6.08	32.475	25.57	•	•
20	6.04	32.477	25.58	•	•
25	6.01	32.475	25.58	•	•
30	5.94	32.479	25.59	•	•
35	5.82	32.494	25.62	•	•

CRUISE BB 236 STATION 110

DATE 08/21/59 HR 2143 ZN 11 LAT 67-42N LONG 165-15W MARSQ 233
SDG 039 WSPD 07 DIR 030 WEA 03 SEA 1 BAR 8 CL * AMT 9
DRY 51 6 WET 49 6 RELHU 87 SCD SPOB CUR CR GB PRDS

DEPTH	TEMP.	SAL.	SIGMA-T		
0	10.88	30.553	23.36	•	•
5	10.65	30.913	23.68	•	•
10	9.25	30.920	23.91	•	•
15	8.59	31.041	24.11	•	•
20	8.41	31.294	24.33	•	•
25	8.41	31.290	24.33	•	•
30	8.40	31.291	24.33	•	•
35	8.40	31.294	24.33	•	•

CRUISE BB 236 STATION 111

DATE 08/22/59 HR 0153 ZN 11 LAT 67-42N LONG 165-15W MARSQ 233
SDG 039 WSPD 02 DIR 060 WEA 00 SEA 1 BAR 8 CL * AMT 9
DRY 51 8 WET 50 7 RELHU 90 SCD SPOB CUR PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T		
0	11.08	30.583	23.35	.	.
5	10.70	30.704	23.51	.	.
10	10.42	30.729	23.58	.	.
15	8.82	30.973	24.02	.	.
20	9.16	31.988	24.76	.	.
25	6.69	32.025	25.14	.	.
30	6.27	32.273	25.39	.	.

CRUISE BB 236 STATION 113

DATE 08/22/59 HR 0627 ZN 11 LAT 67-41N LONG 164-41W MARSQ 233
SDG 012 WSPD 12 DIR 090 WEA 03 SEA 1 BAR 7 CL 4 AMT 7
DRY 52 0 WET 51 4 RELHU 96 SCD SPOB CUR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T		
0	13.12	21.879	16.28	.	.
5	12.98	27.718	20.80	.	.
10	10.04	30.933	23.80	.	.

CRUISE BB 236 STATION 114

DATE 08/22/59 HR 1052 ZN 11 LAT 67-41N LONG 164-41W MARSQ 233
SDG 012 WSPD * DIR * WEA * SEA * BAR * CL * AMT *
DRY WET RELHU SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	13.49	21.403	15.85	.	.
5	12.77	28.113	21.14	.	.
10	10.22	30.829	23.69	.	.

CRUISE BB 236 STATION 119

DATE 08/23/59 HR 0358 ZN 11 LAT 67-52N LONG 165-24W MARSQ 233
SDG 035 WSPD 20 DIR 310 WEA 02 SEA 3 BAR 2 CL 0 AMT 8
DRY 45 9 WET 44 2 RELHU 86 SCD 08 SPOB CUR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	10.68	30.676	23.49	0.574	6.43	103
5	--.-	30.682	--.--	0.575	6.44	
10	9.53	30.874	23.83	0.572	6.41	101
15	8.38	31.283	24.33	0.524	5.87	90
20	7.44	31.930	24.97	0.508	5.69	86
25	6.65	32.185	25.27	0.555	6.22	92
30	6.55	32.222	25.31	0.557	6.24	92

CRUISE BB 236 STATION 120

DATE 08/23/59 HR 0751 ZN 11 LAT 67-52N LONG 165-24W MARSQ 233
SDG 034 WSPD 21 DIR 340 WEA 02 SEA 3 BAR 5 CL 0 AMT 8
DRY 46 7 WET 44 4 RELHU 84 SCD SPOB CUR PRDS

DEPTH	TEMP.	SAL.	SIGMA-T		
0	10.20	30.706	23.60	.	.
5	10.16	30.708	23.60	.	.
10	9.78	30.837	23.77	.	.
15	8.23	31.298	24.36	.	.
20	8.36	32.141	25.00	.	.
25	6.61	32.290	25.36	.	.
30	6.42	32.330	25.42	.	.

CRUISE BB 236 STATION 121

DATE 08/23/59 HR 1350 ZN 11 LAT 67-50N LONG 166-31W MARSQ 233
SDG 046 WSPD 20 DIR 300 WEA 02 SEA 4 BAR 12 CL 0 AMT 8
DRY 41 7 WET 40 6 RELHU 93 SCD SPOB CUR PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	6.90	32.440	25.44	0.605	6.78	101
5	6.90	32.439	25.44	0.605	6.78	101
10	6.79	32.444	25.46	0.605	6.78	101
15	6.78	32.447	25.46	0.601	6.73	100
20	5.91	32.461	25.58	0.550	6.16	90
25	5.98	32.468	25.58	0.550	6.16	90
30	5.86	32.475	25.60	0.542	6.07	88
35	5.72	32.491	25.63	0.521	5.84	85
39	5.70	32.503	25.64	0.522	5.85	85
44	5.52	32.503	25.66	0.510	5.71	82

CRUISE BB 236 STATION 122

DATE 08/23/59 HR 1814 ZN 11 LAT 67-50N LONG 166-31W MARSQ 233
SDG 045 WSPD 14 DIR 310 WEA 02 SEA 3 BAR 13 CL 0 AMT 8
DRY 41 7 WET 40 5 RELHU 92 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	7.08	32.260	25.28	.	.
5	7.08	32.259	25.27	.	.
10	7.07	32.257	25.27	.	.
15	5.36	32.465	25.65	.	.
20	5.39	32.472	25.65	.	.
25	5.37	32.471	25.65	.	.
30	5.32	32.480	25.67	.	.
35	5.31	32.477	25.67	.	.
40	5.20	32.470	25.67	.	.
45	5.18	32.470	25.67	.	.

CRUISE BB 236 STATION 123

DATE 08/23/59 HR 2158 ZN 11 LAT 67-49N LONG 167-39W MARSQ 233
SDG 050 WSPD 16 DIR 290 WEA 11 SEA 3 BAR 14 CL * AMT 8
DRY 40 5 WET 39 6 RELHU 93 SCD SPOB CUR PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	5.00	32.849	25.99	0.733	8.21	117
5	5.00	32.849	25.99	0.735	8.23	118
10	4.99	32.851	26.00	0.729	8.16	117
15	3.46	32.986	26.26	0.616	6.90	95
20	3.34	33.000	26.28	0.606	6.79	93
25	3.34	32.996	26.28	0.602	6.74	92
30	3.27	32.993	26.28	0.599	6.71	92
35	3.26	32.996	26.29	0.600	6.72	92
40	3.24	32.998	26.29	0.598	6.70	92
45	3.24	32.999	26.29	0.593	6.64	91

CRUISE BB 236 STATION 124

DATE 08/24/59 HR 0321 ZN 11 LAT 67-49N LONG 167-39W MARSQ 233
SDG 053 WSPD 18 DIR 280 WEA 53 SEA 3 BAR 16 CL 0 AMT 9
DRY 39 6 WET 39 0 RELHU 96 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	4.40	32.870	26.08	.	.
5	4.41	32.869	26.07	.	.
10	4.42	32.869	26.07	.	.
15	4.40	32.870	26.08	.	.
20	3.34	33.000	26.28	.	.
25	3.25	32.999	26.29	.	.
30	3.11	32.998	26.30	.	.
35	3.08	32.996	26.30	.	.
40	3.10	32.993	26.30	.	.
45	3.10	32.991	26.30	.	.

CRUISE BB 236 STATION 125

DATE 08/24/59 HR 0658 ZN 11 LAT 67-56N LONG 167-12W MARSQ 233
SDG 055 WSPD 18 DIR 295 WEA 50 SEA 3 BAR 16 CL 0 AMT 8
DRY 40 8 WET 40 5 RELHU 98 SCD SPOB CUR PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	6.39	32.394	25.47	0.595	6.66	98
5	6.41	32.396	25.47	0.595	6.66	98
10	6.37	32.392	25.47	0.592	6.63	98
15	5.18	32.446	25.66	0.534	5.98	86
20	4.79	32.452	25.70	0.537	6.01	85
25	4.33	32.499	25.79	0.524	5.87	82
30	4.20	32.503	25.81	0.528	5.91	83
35	4.01	32.510	25.83	0.534	5.98	83
40	3.31	32.554	25.93	0.554	6.20	85
50	3.09	32.569	25.96	0.551	6.17	84

CRUISE BB 236 STATION 126

DATE 08/24/59 HR 1212 ZN 11 LAT 67-56N LONG 167-12W MARSQ 233
SDG 054 WSPD 12 DIR 310 WEA 02 SEA 3 BAR 17 CL 0 AMT 8
DRY 42 6 WET 41 2 RELHU 90 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	7.13	32.208	25.23	.	.
5	7.15	32.206	25.22	.	.
10	7.14	32.208	25.23	.	.
15	5.04	32.447	25.67	.	.
20	4.62	32.468	25.73	.	.
25	4.59	32.474	25.74	.	.
30	4.46	32.478	25.76	.	.
35	4.04	32.485	25.81	.	.
40	3.48	32.542	25.91	.	.
45	3.09	32.565	25.96	.	.
50	3.02	32.593	25.99	.	.

CRUISE BB 236 STATION 134

DATE 08/24/59 HR 2025 ZN 11 LAT 68-16N LONG 166-46W MARSQ 233
SDG 033 WSPD 06 DIR 320 WEA 02 SEA 1 BAR 19 CL 4 AMT 8
DRY 40 3 WET 40 3 RELHU 99 SCD SPOB CUR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	10.02	28.240	21.71	0.584	6.54	102
5	9.64	29.990	23.13	0.580	6.50	102
10	9.08	31.121	24.10	0.558	6.25	97
15	8.74	31.213	24.22	0.549	6.15	95
20	8.44	31.349	24.37	0.548	6.14	94
25	8.38	31.378	24.40	0.545	6.10	94
30	8.24	31.437	24.47	0.537	6.01	92

CRUISE BB 236 STATION 135

DATE 08/25/59 HR 0011 ZN 11 LAT 68-16N LONG 166-46W MARSQ 233
SDG 035 WSPD 00 DIR WEA 02 SEA 1 BAR 21 CL * AMT 9
DRY 40 5 WET 39 2 RELHU 87 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	9.98	28.588	21.99	.	.
5	9.73	30.194	23.27	.	.
10	9.17	31.072	24.04	.	.
15	8.80	31.205	24.20	.	.
20	8.52	31.319	24.34	.	.
25	8.48	31.329	24.35	.	.
30	8.46	31.345	24.36	.	.

CRUISE BB 236 STATION 139

DATE 08/25/59 HR 0612 ZN 11 LAT 68-29N LONG 167-24W MARSQ 233
SDG 045 WSPD 04 DIR 125 WEA 03 SEA 1 BAR 23 CL 6 AMT 7
DRY 40 6 WET 39 2 RELHU 87 SCD 12 SPOB CUR PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	9.52	28.294	21.83	0.583	6.53	101
5	9.50	29.889	23.07	0.575	6.44	100
10	8.46	31.344	24.36	0.558	6.25	96
15	7.96	31.592	24.63	0.546	6.12	93
20	7.92	31.613	24.65	0.546	6.12	93
25	7.83	31.653	24.70	0.547	6.13	93
30	7.73	31.678	24.73	0.549	6.15	93
35	7.37	31.868	24.93	0.562	6.29	95
40	7.14	31.985	25.05	0.568	6.36	95

CRUISE BB 236 STATION 140

DATE 08/25/59 HR 1010 ZN 11 LAT 68-29N LONG 167-24W MARSQ 233
SDG 045 WSPD 08 DIR 160 WEA 02 SEA 1 BAR 23 CL 4 AMT 6
DRY 44 6 WET 42 4 RELHU 86 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	9.51	28.400	21.91	.	.
5	9.40	30.330	23.43	.	.
10	8.73	31.304	24.29	.	.
15	8.32	31.471	24.48	.	.
20	8.16	31.512	24.54	.	.
25	7.92	31.676	24.70	.	.
30	7.70	31.721	24.77	.	.
35	7.50	31.818	24.87	.	.
40	7.40	31.856	24.91	.	.

CRUISE BB 236 STATION 147

DATE 08/25/59 HR 1745 ZN 11 LAT 68-20N LONG 166-47W MARSQ 233
SDG 013 WSPD 04 DIR 160 WEA 02 SEA 1 BAR 22 CL 6 AMT 1
DRY WET RELHU SCD 07 SPOB CUR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	10.36	27.918	21.41	0.586	6.56	103
5	10.06	28.605	21.99	0.586	6.56	103
10	10.04	29.111	22.38	0.576	6.45	101

CRUISE BB 236 STATION 148

DATE 08/26/59 HR 0108 ZN 11 LAT 68-16N LONG 166-51W MARSQ 233
SDG 035 WSPD 16 DIR 138 WEA 01 SEA 1 BAR 18 CL 6 AMT 3
DRY 51 3 WET 49 5 RELHU 87 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	10.50	28.362	21.73	.	.
5	10.41	28.652	21.97	.	.
10	9.55	30.931	23.88	.	.
15	9.22	31.160	24.11	.	.
20	9.16	31.175	24.13	.	.
25	8.99	31.229	24.19	.	.
30	8.68	31.340	24.33	.	.

CRUISE BB 236 STATION 149

DATE 08/26/59 HR 0658 ZN 11 LAT 68-16N LONG 166-51W MARSQ 233
SDG 033 WSPD 28 DIR 130 WEA 02 SEA 2 BAR 15 CL 1 AMT 4
DRY 51 4 WET 48 7 RELHU 81 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	10.44	28.302	21.69	.	.
5	10.38	29.711	22.79	.	.
10	9.68	30.893	23.83	.	.
15	9.30	31.112	24.06	.	.
20	9.26	31.150	24.09	.	.
25	9.18	31.173	24.12	.	.
30	9.16	31.189	24.14	.	.

CRUISE BB 236 STATION 153

DATE 08/28/59 HR 1301 ZN 11 LAT 66-34N LONG 165-22W MARSQ 233
SDG 015 WSPD 20 DIR 270 WEA 01 SEA 3 BAR 0 CL 0 AMT 5
DRY 43 0 WET 41 0 RELHU 85 SCD 03 SPOB CUR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SAT
0	9.68	30.870	23.81	0.548	6.14	97
5	9.70	30.867	23.80	0.552	6.18	97
10	9.71	30.864	23.80	0.553	6.19	98

CRUISE BB 236 STATION 154

DATE 08/28/59 HR 1620 ZN 11 LAT 66-34N LONG 165-22W MARSQ 233
SDG 015 WSPD 22 DIR 270 WEA 02 SEA 4 BAR 1 CL 0 AMT 7
DRY 42 4 WET 41 0 RELHU 88 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SAT	
0	9.68	30.892	23.82	0.557	6.24	98	1.35
5	9.69	30.893	23.82	0.558	6.25	98	1.35
13	9.70	30.907	23.83	0.554	6.20	98	1.34

CRUISE BB 236 STATION 155

DATE 08/28/59 HR 1131 ZN 11 LAT 66-30N LONG 163-20W MARSQ 233
SDG 015 WSPD 20 DIR 220 WEA 02 SEA 3 BAR 1 CL * AMT 8
DRY 42 3 WET 41 7 RELHU 95 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SAT
0	10.04	28.347	21.79	0.563	6.31	98
5	10.24	28.693	22.03	0.557	6.24	98
10	9.88	30.856	23.76	0.539	6.04	96

CRUISE BB 236 STATION 156

DATE 08/29/59 HR 0126 ZN 11 LAT 66-20N LONG 163-16W MARSQ 233
SDG 014 WSPD 24 DIR 250 WEA 53 SEA 3 BAR 2 CL * AMT 9
DRY 42 4 WET 42 1 RELHU 98 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	10.54	26.132	19.99	0.572	6.41	100
5	10.56	30.590	23.45	0.569	6.37	102
10	9.85	30.708	23.65	0.536	6.00	95
13	9.76	30.711	23.67	-.---	--.--	

CRUISE BB 236 STATION 157

DATE 08/29/59 HR 0548 ZN 11 LAT 66-08N LONG 163-12W MARSQ 233
SDG 011 WSPD 35 DIR 240 WEA 00 SEA 3 BAR 2 CL * AMT 9
DRY 39 7 WET 39 7 RELHU 99 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	9.44	24.605	18.97	0.584	6.54	98
5	9.42	24.640	19.00	0.583	6.53	98
10	4.20	30.002	23.82	0.601	6.73	92

CRUISE BB 236 STATION 158

DATE 08/29/59 HR 0750 ZN 11 LAT 66-08N LONG 162-54W MARSQ 233
SDG 012 WSPD 27 DIR 245 WEA 03 SEA 3 BAR 3 CL * AMT 9
DRY 39 9 WET 39 9 RELHU 99 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT
0	10.16	23.574	18.07	0.583	6.53	99
5	10.15	23.582	18.08	0.581	6.51	99
10	6.48	28.605	22.48	0.595	6.66	96

CRUISE BB 236 STATION 159

DATE 08/29/59 HR 1043 ZN 11 LAT 66-05N LONG 162-42W MARSQ 233
SDG 007 WSPD 23 DIR 250 WEA 02 SEA 2 BAR 4 CL 6 AMT 9
DRY 42 6 WET 41 0 RELHU 88 SCD SPOB GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SAT
0	9.92	23.177	17.80	0.584	6.54	98
3	9.92	23.172	17.79	0.583	6.53	98
6	9.94	23.175	17.79	0.584	6.54	98

CRUISE BB 236 STATION 160

DATE 08/29/59 HR 1351 ZN 11 LAT 66-12N LONG 162-43W MARSQ 233
SDG 012 WSPD 20 DIR 250 WEA 02 SEA 3 BAR 5 CL 0 AMT 9
DRY 42 6 WET 40 8 RELHU 86 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SAT
0	9.74	27.941	21.52	0.569	6.37	98
5	9.66	28.337	21.84	0.566	6.34	98
10	9.10	29.219	22.61	0.563	6.31	97

CRUISE BB 236 STATION 161

DATE 08/29/59 HR 1550 ZN 11 LAT 66-22N LONG 162-44W MARSQ 233
SDG 009 WSPD 20 DIR 245 WEA 51 SEA 3 BAR 4 CL 0 AMT 9
DRY 42 8 WET RELHU SCD 04 SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SAT
0	9.84	25.090	19.29	0.582	6.52	99
5	9.83	25.066	19.27	0.583	6.53	99
8	9.80	28.174	21.69	0.566	6.34	98

CRUISE BB 236 STATION 162

DATE 08/29/59 HR 1843 ZN 11 LAT 66-37N LONG 162-46W MARSQ 233
SDG 014 WSPD 15 DIR 220 WEA 01 SEA 3 BAR 3 CL 4 AMT 8
DRY 43 2 WET 43 2 RELHU 99 SCD SPOB GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	10.46	21.601	16.50	0.588	6.59	99	0.56
5	9.84	21.643	16.62	0.583	6.53	97	0.59
10	1.42	32.652	26.16	0.592	6.63	86	2.75
12	1.39	32.672	26.17	0.595	6.66	87	5.56

CRUISE BB 236 STATION 163

DATE 08/30/59 HR 0646 ZN 11 LAT 66-48N LONG 165-54W MARSQ 233
SDG 022 WSPD 00 DIR * WEA 25 SEA 1 BAR 0 CL 0 AMT 8
DRY 43 5 WET 42 6 RELHU 93 SCD 04 SPOB CUR CR GB PRDS

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.66	31.607	24.54	0.570	6.38	99	1.18
5	8.69	31.609	24.54	0.571	6.40	99	-.--
10	8.67	31.622	24.55	0.561	6.28	97	1.15
15	8.67	31.625	24.55	0.562	6.29	97	1.21
20	8.67	31.627	24.55	0.562	6.29	97	1.24

CRUISE BB 236 STATION 164

DATE 08/30/59 HR 1130 ZN 11 LAT 66-48N LONG 165-54W MARSQ 233
SDG 024 WSPD 23 DIR 150 WEA 61 SEA 3 BAR 0 CL 4 AMT 8
DRY 43 2 WET 42 4 RELHU 93 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	8.54	31.603	24.55	.	.
5	8.52	31.604	24.56	.	.
10	8.54	31.611	24.56	.	.
15	8.55	31.611	24.56	.	.
20	8.56	31.645	24.58	.	.

CRUISE BB 236 STATION 165

DATE 08/30/59 HR 1751 ZN 11 LAT 66-43N LONG 167-43W MARSQ 233
SDG 031 WSPD 02 DIR 090 WEA 25 SEA 1 BAR 1 CL 0 AMT 9
DRY 41 2 WET 40 6 RELHU 95 SCD 04 SPOB CR GB PRDS CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	5.10	32.371	25.61	0.667	7.47	107	1.45
5	5.03	32.383	25.62	0.655	7.34	104	1.35
10	4.96	32.386	25.63	0.636	7.12	101	1.29
15	4.94	32.392	25.64	0.629	7.04	100	1.70
20	4.74	32.433	25.69	0.613	6.87	97	1.82
25	4.68	32.435	25.70	0.613	6.87	97	1.74
30	4.65	32.435	25.71	0.607	6.80	96	2.98

CRUISE BB 236 STATION 166

DATE 08/31/59 HR 0029 ZN 11 LAT 66-40N LONG 168-58W MARSQ 233
SDG 046 WSPD 18 DIR 350 WEA 02 SEA 1 BAR 5 CL * AMT 9
DRY 40 6 WET 39 9 RELHU 94 SCD SPOB CUR CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	5.86	32.295	25.46	0.621	6.96	101	1.23
5	5.85	32.310	25.47	0.614	6.88	100	1.14
10	4.88	32.415	25.66	0.613	6.87	97	1.46
15	4.65	32.466	25.73	0.613	6.87	97	1.49
20	4.50	32.496	25.77	0.611	6.84	96	1.62
25	2.87	32.805	26.17	0.531	5.95	80	2.38
30	2.86	32.807	26.17	0.550	6.16	83	2.27
35	2.85	32.812	26.18	0.530	5.94	80	2.43
39	2.86	32.812	26.18	0.530	5.94	80	2.41
44	2.86	32.805	26.17	-.---	--.--		-.--

CRUISE BB 236 STATION 167

DATE 08/31/59 HR 0555 ZN 11 LAT 66-40N LONG 168-58W MARSQ 233
SDG 045 WSPD 20 DIR 340 WEA 02 SEA 1 BAR 8 CL 0 AMT 8
DRY 38 8 WET 37 8 RELHU 92 SCD SPOB CUR GB

DEPTH	TEMP.	SAL.	SIGMA-T		
0	4.99	32.409	25.65	.	.
5	5.02	32.412	25.65	.	.
10	5.00	32.392	25.63	.	.
15	4.44	32.537	25.81	.	.
20	3.22	32.796	26.13	.	.
25	2.88	32.856	26.21	.	.
30	2.92	32.883	26.23	.	.
35	2.92	32.902	26.24	.	.
40	2.96	32.921	26.25	.	.
43	2.97	32.924	26.26	.	.

CRUISE BB 236 STATION 168

DATE 08/31/59 HR 0945 ZN 11 LAT 66-21N LONG 168-54W MARSQ 233
SDG 053 WSPD 18 DIR 340 WEA 02 SEA 3 BAR 9 CL 6 AMT 7
DRY 39 6 WET 37 9 RELHU 86 SCD SPOB CUR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	7.38	31.076	24.31	0.613	6.87	103	1.01
5	7.40	31.081	24.31	0.614	6.88	103	0.94
10	5.69	32.126	25.34	0.631	7.07	102	1.14
15	3.87	32.667	25.97	0.629	7.04	98	1.76
20	3.79	32.679	25.99	0.625	7.00	97	1.95
25	3.80	32.681	25.99	0.625	7.00	97	2.06
30	2.98	32.962	26.28	0.583	6.53	89	2.48
35	2.71	33.028	26.36	0.542	6.07	82	2.75
40	2.72	33.036	26.37	0.535	5.99	81	2.67
45	2.70	33.036	26.37	0.538	6.03	81	2.74
50	2.74	33.058	26.38	0.540	6.05	82	2.66

CRUISE BB 236 STATION 169

DATE 08/31/59 HR 1542 ZN 11 LAT 66-21N LONG 168-54W MARSQ 233
SDG 053 WSPD 16 DIR 320 WEA 02 SEA 1 BAR 12 CL 6 AMT 7
DRY 38 3 WET 37 8 RELHU 95 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	8.36	30.139	23.44	.	.
5	8.32	30.140	23.44	.	.
10	4.18	32.600	25.88	.	.
15	3.96	32.647	25.94	.	.
20	3.82	32.678	25.98	.	.
25	2.90	32.961	26.29	.	.
30	2.78	33.000	26.33	.	.
35	2.69	33.028	26.36	.	.
40	2.68	33.031	26.37	.	.
45	2.68	33.029	26.36	.	.
50	2.70	33.033	26.37	.	.

CRUISE BB 236 STATION 170

DATE 08/31/59 HR 1857 ZN 11 LAT 66-07N LONG 168-51W MARSQ 233
SDG 053 WSPD * DIR * WEA 01 SEA 1 BAR * CL 4 AMT 4
DRY 37 8 WET 37 0 RELHU 93 SCD 07 SPOB CUR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	5.88	30.587	24.11	0.607	6.80	98	1.25
5	5.88	30.614	24.13	0.611	6.84	98	1.27
10	5.63	30.866	24.36	0.602	6.74	96	1.48
15	5.41	31.091	24.56	0.903	10.11	144	1.44
20	4.62	31.698	25.12	0.591	6.62	93	1.73
25	3.20	32.819	26.15	0.559	6.26	85	2.38
30	3.15	32.951	26.26	0.564	6.32	86	2.45
35	3.13	32.955	26.27	0.565	6.33	86	2.47
40	3.16	32.951	26.26	0.563	6.31	86	2.48
45	3.16	32.956	26.26	0.564	6.32	86	2.41
50	3.16	32.956	26.26	0.563	6.31	86	2.32

CRUISE BB 236 STATION 171

DATE 08/31/59 HR 2248 ZN 11 LAT 66-07N LONG 168-51W MARSQ 233
SDG 055 WSPD 10 DIR 320 WEA 02 SEA 1 BAR 13 CL * AMT 4
DRY 38 1 WET 36 1 RELHU 83 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	5.56	30.824	24.33	.	.
5	5.56	30.865	24.37	.	.
10	5.54	30.954	24.44	.	.
15	5.20	31.268	24.72	.	.
20	4.49	31.691	25.13	.	.
25	3.82	32.136	25.55	.	.
30	3.11	32.958	26.27	.	.
35	3.07	32.975	26.29	.	.
40	3.06	32.974	26.29	.	.
45	3.05	32.970	26.28	.	.
50	3.06	32.972	26.29	.	.

CRUISE BB.236 STATION 172

DATE 09/01/59 HR 0340 ZN 11 LAT 65-46N LONG 168-48W MARSQ 233
SDG 046 WSPD 00 DIR WEA 00 SEA 1 BAR 14 CL * AMT 4
DRY 38 1 WET 36 0 RELHU 82 SCD SPOB CUR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	6.70	31.909	25.05	0.638	7.15	106	0.81
5	4.44	32.554	25.82	0.630	7.06	99	1.57
10	3.82	32.690	25.99	0.621	6.96	96	1.74
15	3.66	32.733	26.04	0.609	6.82	94	1.68
20	3.09	32.852	26.19	0.560	6.27	85	2.05
25	2.89	32.919	26.26	0.533	5.97	81	2.22
30	2.94	32.930	26.26	0.560	6.27	85	2.45
35	2.96	32.940	26.27	0.567	6.35	86	2.56
40	2.96	32.936	26.27	0.555	6.22	84	2.02

CRUISE BB 236 STATION 173

DATE 09/01/59 HR 0849 ZN 11 LAT 65-46N LONG 168-48W MARSQ 233
SDG 047 WSPD * DIR * WEA 03 SEA 1 BAR * CL 6 AMT 6
DRY 43 5 WET 40 2 RELHU 75 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	6.48	32.085	25.22	.	.
5	5.54	32.324	25.52	.	.
10	4.56	32.547	25.80	.	.
15	3.60	32.780	26.08	.	.
20	3.04	32.924	26.25	.	.
25	2.75	32.960	26.30	.	.
30	2.75	32.963	26.31	.	.
35	2.75	32.965	26.31	.	.
40	2.75	32.968	26.31	.	.

CRUISE BB 236 STATION 174

DATE 09/01/59 HR 1129 ZN 11 LAT 65-44N LONG 168-38W MARSQ 233
SDG 051 WSPD 10 DIR 110 WEA 01 SEA * BAR 12 CL * AMT *
DRY 42 2 WET 39 0 RELHU 76 SCD SPOB CUR GB CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.62	29.774	23.11	0.594	6.65	102	0.96
5	8.16	30.292	23.58	0.596	6.68	101	0.92
10	8.04	31.009	24.16	0.593	6.64	101	0.86
15	7.77	31.974	24.96	0.585	6.55	99	0.75
20	5.58	32.320	25.51	0.566	6.34	91	1.30
25	4.70	32.451	25.71	0.563	6.31	89	1.53
30	4.12	32.523	25.83	0.552	6.18	86	1.44
35	3.70	32.678	25.99	0.542	6.07	84	1.73
40	2.88	32.816	26.18	0.517	5.79	78	2.34
45	2.86	32.819	26.18	0.511	5.72	77	2.33

CRUISE BB 236 STATION 175

DATE 09/01/59 HR 1530 ZN 11 LAT 65-44N LONG 168-38W MARSQ 233
SDG 051 WSPD 14 DIR 090 WEA 41 SEA 1 BAR 10 CL 0 AMT 7
DRY 41 9 WET 39 0 RELHU 71 SCD SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T		
0	8.57	29.684	23.05	.	.
5	8.59	29.694	23.06	.	.
10	4.66	31.960	25.33	.	.
15	6.54	32.283	25.36	.	.
20	5.52	32.398	25.58	.	.
25	4.86	32.420	25.67	.	.
30	4.32	32.484	25.78	.	.
34	4.22	32.498	25.80	.	.
39	3.92	32.604	25.91	.	.
44	3.86	32.615	25.93	.	.

CRUISE BB 236 STATION 176

DATE 09/01/59 HR 1801 ZN 11 LAT 65-41N LONG 168-16W MARSQ 233
SDG 042 WSPD 18 DIR 070 WEA 53 SEA 1 BAR 8 CL 0 AMT 8
DRY 41 7 WET 40 1 RELHU 88 SCD 04 SPOB CUR GB PRDD CB PLK5

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.74	29.523	22.90	0.588	6.59	101	1.32
5	8.74	29.524	22.90	0.590	6.61	101	1.69
10	8.88	29.711	23.03	0.579	6.48	99	1.20
15	6.94	32.276	25.31	0.579	6.48	97	1.33
20	6.44	32.354	25.43	0.586	6.56	97	1.32
25	5.98	32.375	25.51	0.586	6.56	96	1.31
30	5.68	32.386	25.55	0.574	6.43	93	1.51
35	5.62	32.388	25.56	0.572	6.41	93	1.60
38	5.61	32.392	25.56	0.574	6.43	93	1.53

CRUISE BB 236 STATION 177

DATE 09/01/59 HR 2136 ZN 11 LAT 65-41N LONG 168-16W MARSQ 233
SDG G051 WSPD 24 DIR 065 WEA 50 SEA 3 BAR 5 CL * AMT 9
DRY 42 4 WET 40 6 RELHU 86 SCD SPOB CUR

0	8.72	29.665	23.01	•	•
5	8.70	29.665	23.02	•	•
10	8.72	29.664	23.01	•	•
15	7.96	31.259	24.37	•	•
20	5.96	32.292	25.44	•	•
25	4.84	32.429	25.68	•	•
30	4.48	32.476	25.76	•	•
35	4.46	32.479	25.76	•	•
40	4.46	32.477	25.76	•	•

CRUISE BB 236 STATION 178

DATE 09/01/59 HR ZN 11 LAT 65-40N LONG 168-10W MARSQ 233
SDG 013 WSPD 24 DIR 065 WEA 50 SEA 3 BAR 5 CL * AMT 9
DRY 41 4 WET 39 6 RELHU 86 SCD SPOB GB PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SAT	PHOS.
0	8.79	29.369	22.77	0.578	6.47	99	1.47
5	8.62	29.819	23.15	0.577	6.46	99	1.31
10	7.58	32.056	25.05	0.576	6.45	98	1.29

Brown Bear Cruise 236 Currents

During Brown Bear Cruise 236 in 1959, current measurements were made from the anchored vessel at 30 locations. Measurements were usually made for a period of 4 hours but were continued for longer periods at 3 stations.

The mean current velocity at any depth is the vectorial average of the observed velocities. When more than one current meter was used at a depth, the velocities were averaged depending on the number of observations. A correction has been applied to the Gemware velocities because it was discovered that the Gemware recorded up to .15 knots lower than the Ekman meter depending on the sea state. Visual observations of the Price meter also indicated that the ship's roll increased the recorded velocity so surface velocities from the Price meter are questionable and are in parentheses. An error of ± .1 knot at all stations should be taken into consideration. A positive error of .3 knots decreasing with depth at Stations 1, 15, 16, 17, 18, 22, 23, 26 and 30 should also be considered.

The direction of flow as recorded by the Gemware and Ekman meters did not agree and it was discovered during later tests that the ship's magnetic field affected the compasses of the submerged current meters. It was then impossible to apply a deviation correction because the ship's heading on station had not been recorded. Below 5 meters the directions at all stations are considered to be correct within ± 10 degrees.

CRUISE 236
CURRENT MEASUREMENTS - CHUKCHI SEA (1959)

Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 63			Latitude: 66°51'N		Longitude: 166°49'W	
Date: Aug. 13 - 14			Time: 25 hrs.		Wind: 330°/5-20 knots	
Depth: 37 m			Gemware Correction: +.10			
0	91*		(.43)*	--	(.43)	010
5	56		0.57	--	0.57	015
10	55		0.56	--	0.56	025
15	29		0.60	--	0.60	025
20		48	--	0.56	0.56	040
25		48	--	0.56	0.56	040
30		45	--	0.53	0.53	040
33		25	--	0.46	0.46	030
* Surface Price						
Station: 74			Latitude: 67°06'N		Longitude: 167°32'W	
Date: Aug. 14 - 15			Time: 25 hrs.		Wind: 260-330°/10 knots	
Depth: 30 m			Gemware Correction:			
0	89*		(.47)*	--	--	--
5	26		0.35	--	--	070
10	26		0.38	--	--	060
15	26		0.41	--	--	055
20	25		0.41	--	--	055
25	24		0.44	--	--	050
30	24		0.43	--	--	050
35	23		0.42	--	--	045
* Surface Price						
Station: 99			Latitude: 67°09'N		Longitude: 164°42'W	
Date: Aug. 20			Time: 5 hrs.		Wind: 270°/7 knots	
Depth: 30 m			Gemware Correction:			
0	5		0.27	--	--	--
5	5		0.28	--	--	355
10	4		0.40	--	--	355
15	4		0.38	--	--	350
20	4		0.40	--	--	350
25	4		0.44	--	--	350
30	2		0.31	--	--	345

Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 101, 102, 103			Latitude: 67°14'/15'N		Longitude: 165°03'W	
Date: Aug. 20			Time: 3 hrs.		Wind: 250°/2-9 knots	
Depth: 33 m			Gemware Correction:			
0	30*		0.61*	--	--	050
5	11		0.65	--	--	040
10	8		0.45	--	--	040
15	9		0.41	--	--	035
20	2		0.37	--	--	035
25	2		0.28	--	--	035
30	2		0.23	--	--	030
31.5	2		0.14	--	--	030
Station: 105			Latitude: 67°18'N		Longitude: 165°26'W	
Date: Aug. 20 - 21			Time: 15 hrs.		Wind: 000-265°/5-10 knots	
Depth: 34 m			Gemware Correction: +0.05			
0	--	--	--	--	--	--
5	15	11	0.38	0.33	0.36	030
10	15	10	0.42	0.32	0.38	030
15	15	11	0.40	0.33	0.37	030
20	15	11	0.42	0.36	0.38	025
25	15	10	0.41	0.37	0.39	025
30	15	11	0.42	0.34	0.39	020
33-4	15	11	0.37	0.29	0.34	010
Station: 108			Latitude: 67°30'N		Longitude: 165°37'W	
Date: Aug. 27			Time: 5 hrs.		Wind: 010-050°/10 knots	
Depth: 34 m			Gemware Correction: +.05			
0	--	--	--	--	--	--
5	4	4	0.47	0.41	0.44	020
10	4	4	0.48	0.48	0.48	020
15	4	4	0.47	0.42	0.45	015
20	4	4	0.46	0.44	0.45	020
25	4	4	0.51	0.42	0.46	015
30	4	3	0.48	0.38	0.43	005
35	4	3	0.47	0.39	0.43	005

*Surface Ekman

Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 110			**Latitude:** 67°42'N		**Longitude:** 165°15'W	
Date: Aug. 22			**Time:** 4 hrs.		**Wind:** 000-060°/0-7 knots	
Depth: 39 m			**Gemware Correction:**			
0	17*		(.98)*	--	--	310
5	5		0.98	--	--	325
10	5		0.93	--	--	320
15	5		0.80	--	--	320
20	5		0.78	--	--	315
25	5		0.74	--	--	320
30	5		0.67	--	--	320
35	5		0.61	--	--	320
* Surface Price						
Station: 113			**Latitude:** 67°41'N		**Longitude:** 164°41'N	
Date: Aug. 22			**Time:** 4 hrs.		**Wind:** 085°/14 knots	
Depth: 12 m			**Gemware Correction:**			
0	13*		1.04*	--	--	300
5	13		0.70	--	--	320
10	13		0.38	--	--	320
* Surface Ekman						
Station: 118			**Latitude:** 68°06'N		**Longitude:** 165°46'W	
Date: Aug. 22			**Time:** 1 hr.		**Wind:** 010°/10-18 knots	
Depth: 8 m			**Gemware Correction:**			
0	3*		1.06*	--	--	275
5	3		0.95	--	--	260
10	3		0.68	--	--	250
* Surface Ekman						
Station: 120			**Latitude:** 67°52'N		**Longitude:** 165°24'N	
Date: Aug. 23			**Time:** 4½ hrs.		**Wind:** 350°/19 knots	
Depth: 35 m			**Gemware Correction:**			
0	4*		1.12*	--	--	280
5	4		1.18	--	--	285
10	4		1.22	--	--	315
15	4		1.05	--	--	325
20	4		0.84	--	--	325
25	4		0.74	--	--	325
30	4		0.68	--	--	325
35	3		0.56	--	--	325
* Surface Ekman						

Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 121			Latitude: 67°52'N		Longitude: 165°24'W	
Date: Aug. 23			Time: 4 hrs.		Wind: 300°/18 knots	
Depth: 46 m			Gemware Correction: +0.15			
0	--		--	--	--	--
5	6	3	0.83	0.81	0.82	325
10	5	2	0.88	0.88	0.88	330
15	5	2	0.93	0.89	0.92	335
20	5	3	0.80	0.83	0.81	340
25	1	3	(.87)	0.76	0.79	340
30	1	3	(.96)	0.70	0.77	340
35	1	2	(.78)	0.59	0.65	345
40	1	2	(.66)	0.63	0.64	345
Station: 123			Latitude: 67°49'N		Longitude: 167°39'W	
Date: Aug. 23 - 24			Time: 3 hrs.		Wind: 280-330°/14-18	
Depth: 53 m			Gemware Correction: +0.15			knots
0	--		--	--	--	--
5	5		0.48	--	0.48	030
10	5		0.52	--	0.52	030
15	5		0.58	--	0.58	025
20	4	3	0.55	0.49	0.52	045
25		4	--	0.51	0.51	055
30		4	--	0.54	0.54	050
35		4	--	0.55	0.55	050
40		4	--	0.59	0.59	045
45		4	--	0.51	0.51	030
Station: 125			Latitude: 67°56'N		Longitude: 167°12'W	
Date: Aug. 24			Time: 5 hrs.		Wind: 305°/15 knots	
Depth: 55 m			Gemware Correction: +0.10			
0	--		--	--	--	--
5	5		0.57	--	0.57	290
10	5		0.70	--	0.70	290
15	5		0.75	--	0.75	305
20	5		0.80	--	0.80	310
25	5	3	0.81	0.84	0.82	310
30		4	--	0.70	0.70	310
35		4	--	0.66	0.66	305
40		4	--	0.47	0.47	315
45		4	--	0.36	0.36	305
50		3	--	0.28	0.28	305

Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 134			Latitude: 68°16'N		Longitude: 166°46'W	
Date: Aug. 24 - 25			Time: 4 hrs.		Wind: 000-320°/0-6 knots	
Depth: 33 m			Gemware Correction: 0			
0	14		(.50)	--	(.50)	315
5	5	2	0.36	0.31	0.35	310
10	5	2	0.22	0.23	0.22	310
15	4	2	0.25	0.31	0.27	280
20	4	2	0.25	0.24	0.25	280
25	4	2	0.27	0.26	0.27	275
30	4	2	0.30	0.26	0.29	265
Station: 139			Latitude: 68°29'N		Longitude: 167°24'W	
Date: Aug. 25			Time: 4½ hrs.		Wind: 130°/5 knots	
Depth: 45 m			Gemware Correction: 0			
0	6*		0.97*	--	0.97	015
5	7		0.92	--	0.92	015
10	7		0.93	--	0.93	010
15	7	4	0.75	--	0.75	010
20	7	5	0.75	0.78	0.76	005
25	1	6	--	0.66	0.66	005
30	1	5	--	0.57	0.57	000
35	1	5	--	0.40	0.40	340
40		5	--	0.34	0.34	330
* Surface Ekman						
Station: 147			Latitude: 68°20'N		Longitude: 166°47'W	
Date: Aug. 25			Time: 1½ hrs.		Wind: 160°/4 knots	
Depth: 13 m			Gemware Correction: --			
0	4*		0.75*	--	--	270
5	4		0.71	--	--	230
10	4		0.54	--	--	240
* Surface Ekman						
Station: 149			Latitude: 68°16'N		Longitude: 166°51'W	
Date: Aug. 26			Time: 5½ hrs.		Wind: 130°/15-28 knots	
Depth: 35 m			Gemware Correction: +0.05			
0	--		--	--	--	--
5	11	1	0.70	0.76	0.70	355
10	10	1	0.42	0.49	0.42	335
15	10	1	0.55	0.52	0.55	315
20		9	--	0.51	0.51	305
25		9	--	0.47	0.47	300
30		9	--	0.31	0.31	295

Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 153			Latitude: 66°34'N		Longitude: 165°22'W	
Date: Aug. 28			Time: 3½ hrs.		Wind: 270°/21 knots	
Depth: 15 m			Gemware Correction: --			
0	--		--	--	--	--
5	5		0.51	--	--	065
10	4		0.49	--	--	060
14	4		0.51	--	--	055
Station: 164			Latitude: 66°48'N		Longitude: 165°54'W	
Date: Aug. 30			Time: 4 hrs.		Wind: 150°/0-23 knots	
Depth: 24 m			Gemware Correction:			
0	--		--	--	--	--
5	8		0.55	--	--	070
10	8		0.50	--	--	060
15	8		0.47	--	--	060
20	8		0.42	--	--	055
Station: 167			Latitude: 66°40'N		Longitude: 168°58'W	
Date: Aug. 31			Time: 5 hrs.		Wind: 350°/19 knots	
Depth: 46 m			Gemware Correction: --			
0	--		--	--	--	--
5	5		0.57	--	--	320
10	6		0.58	--	--	335
15	5		0.55	--	--	000
20	6		0.60	--	--	350
30	3		0.60	--	--	350
40	3		0.48	--	--	350
Station: 168			Latitude: 66°21'N		Longitude: 168°54'W	
Date: Aug. 31			Time: 6 hrs.		Wind: 330°/15-22 knots	
Depth: 53 m			Gemware Correction: +0.10			
0	--		--	--	--	--
5	5		0.71	--	0.71	--
10	5		0.67	--	0.67	305
15	4		0.65	--	0.65	305
20	4		0.65	--	0.65	310
25	4	3	0.64	0.58	0.62	310
30		5	--	0.63	0.63	300
35		5	--	0.48	0.48	310
40		5	--	0.47	0.47	300
45		5	--	0.47	0.47	300
50		3	--	0.34	0.34	295

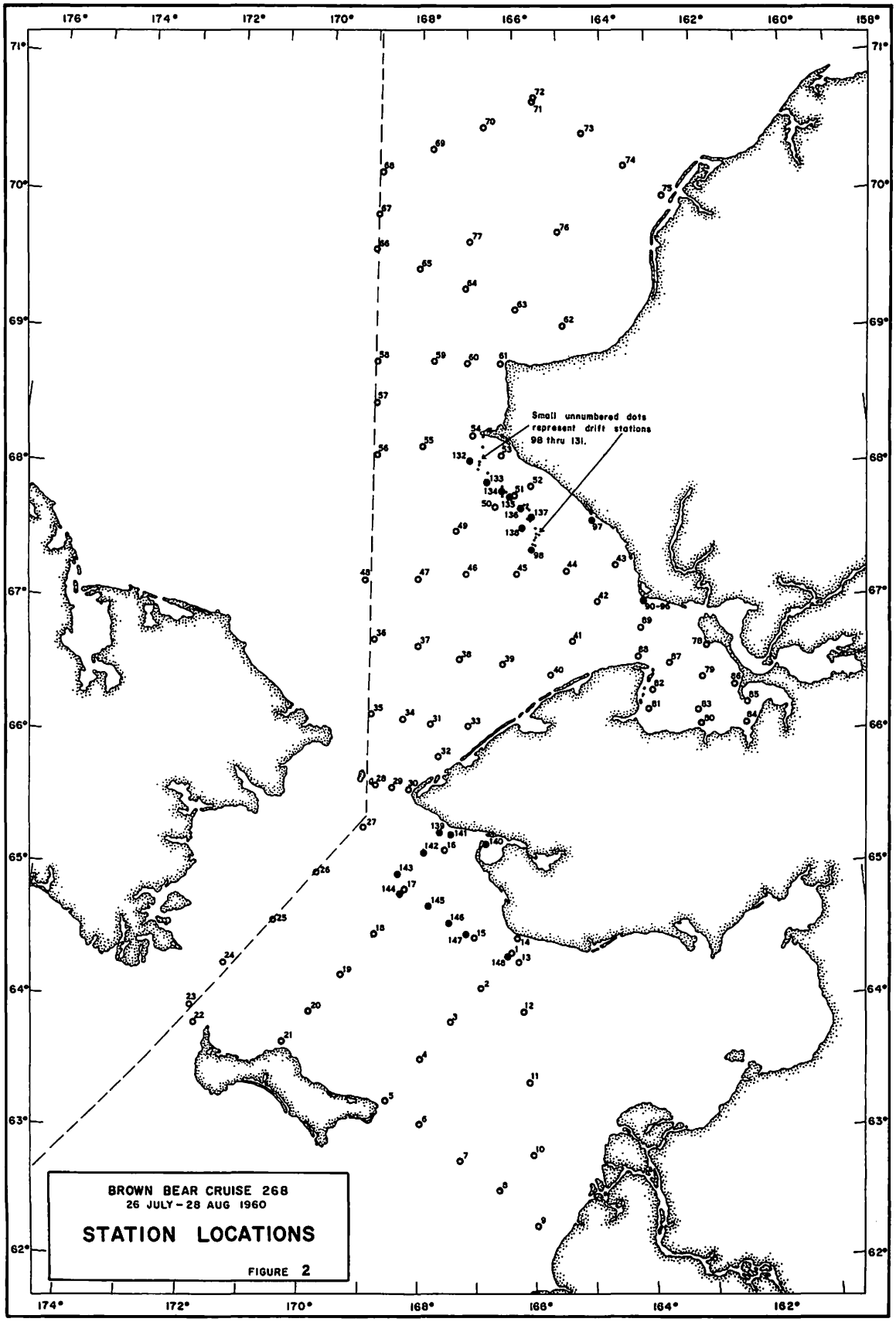
Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 170			Latitude: 66°07'N		Longitude: 168°51'W	
Date: Aug. 31			Time: 4 hrs.		Wind: 320°/10 knots	
Depth: 55 m			Gemware Correction: +0.05			
0	--		--	--	--	--
5	7		0.40	--	0.40	025
10	7		0.55	--	0.55	040
15	6		0.60	--	0.60	025
20	6	5	0.82	0.70	0.77	030
25	2		0.83	--	0.83	030
30	1	4	(.45)	0.49	0.49	030
35	--		--	--	--	--
40	1	4	0.47	0.45	0.45	025
45	--		--	--	--	--
50	1	7	0.35	0.39	0.39	020
Station: 172			Latitude: 65°46'N		Longitude: 168°48'W	
Date: Sept. 1			Time: 4 hrs.		Wind: 0 knots	
Depth: 46 m			Gemware Correction: 0			
0	4*		0.61*	--	0.61	010
5	5		0.45	--	0.45	015
10	5		0.38	--	0.38	005
15	5		0.36	--	0.36	345
20	5		0.34	--	0.34	340
25	2	3	0.28	0.27	0.28	340
30	1	3	0.29	0.31	0.31	340
35		3	--	0.28	0.28	340
40		4	--	0.28	0.28	340

* Surface Ekman

Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 174			Latitude: 65°44'N		Longitude: 168°38'W	
Date: Sept. 1			Time: 4½ hrs.		Wind: 100°/12 knots	
Depth: 51 m			Gemware Correction: --			
0	2*		0.90*	--	--	040
5	5		0.87	--	--	025
10	3		0.57	--	--	010
15	5		0.73	--	--	025
20	2		0.78	--	--	030
25	3		0.86	--	--	030
30	2		0.86	--	--	030
35	3		0.85	--	--	020
40	2		0.77	--	--	015
45	2		0.59	--	--	010

* Surface Ekman

Depth (m)	Number of Observations Ekman	Gem.	Mean Ekman Velocity (knots)	Corrected Mean Gemware Velocity (knots)	Mean Velocity (knots)	Mean Direction °True
Station: 176			Latitude: 65°41'N		Longitude: 168°16'W	
Date: Sept. 1			Time: 4 hrs.		Wind: 065°/21 knots	
Depth: 51 m			Gemware Correction: --			
0	--		--	--	--	--
5	5		0.55	--	--	015
10	5		0.75	--	--	015
15	5		0.89	--	--	010
20	5		1.00	--	--	010
25	5		0.95	--	--	010
30	5		0.74	--	--	010
35	4		0.68	--	--	010
40	4		0.52	--	--	005


Small unnumbered dots represent drift stations 98 thru 131.
BROWN BEAR CRUISE 268
26 JULY - 28 AUG 1960
STATION LOCATIONS
FIGURE 2

CRUISE BB 268 STATION 001

DATE 07/26/60 HR 1811 ZN 11 LAT 64-26N LONG 166-20W MARSQ 233
SDG 029M WSPD 12 DIR 110 WEA 20 SEA 3 BAR 3 CL 0 AMT 7
DRY 54.5 WET 52.6 RELHU 88 SCD SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.
0	11.58	31.904	24.29	0.574	6.43	106	0.91
5	11.54	31.907	24.30	0.572	6.41	106	1.51
10	10.74	31.970	24.49	0.578	6.47	105	0.37
15	8.98	32.538	25.22	0.564	6.32	99	0.57
20	9.10	32.795	25.40	0.552	6.18	97	1.28
25	9.16	32.812	25.40	0.554	6.20	98	1.20
28	9.12	32.815	25.41	0.552	6.18	98	1.29

CRUISE BB 268 STATION 002

DATE 07/26/60 HR 2245 ZN 11 LAT 64-10N LONG 166-52W MARSQ 233
SDG 031M WSPD 11 DIR 100 WEA 01 SEA 2 BAR 3 CL 4 AMT 2
DRY 53.6 WET 52.5 RELHU 93 SCD 12 SPOB CUR VV PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	12.27	29.819	22.55	0.564	6.32	105	0.44	90
5	12.30	29.916	22.62	0.568	6.36	106	1.22	73
10	1.38	31.960	25.60	0.766	8.58	111	1.42	35
15	0.98	32.010	25.67	0.762	8.53	109	1.28	66
20	0.98	32.010	25.67	0.756	8.47	108	1.22	38
25	0.98	32.019	25.68	0.759	8.50	109	0.97	82
30	0.99	32.014	25.67	0.762	8.53	109	1.02	78

CRUISE BB 268 STATION 003

DATE 07/27/60 HR 0417 ZN 11 LAT 63-53N LONG 167-25W MARSQ 233
SDG 032M WSPD 02 DIR 140 WEA 03 SEA 0 BAR 3 CL 4 AMT 6
DRY 41.4 WET 41.2 RELHU 99 SCD ** SPOB CUR VV GR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.77	31.505	24.29	0.630	7.06	112
5	7.68	31.708	24.76	0.692	7.75	117
10	1.68	32.158	25.74	0.856	9.59	125
15	2.22	32.266	25.79	0.760	8.51	113
20	2.32	32.271	25.79	0.750	8.40	112
25	2.34	32.282	25.79	0.746	8.36	111
30	2.37	32.285	25.80	0.744	8.33	111

CRUISE BB 268 STATION 004

DATE 07/27/60 HR 0845 ZN 11 LAT 63-37N LONG 167-57W MARSQ 233
SDG 029M WSPD 05 DIR 040 WEA 02 SEA 0 BAR 4 CL 4 AMT 6
DRY 56.5 WET 53.2 RELHU 82 SCD 09 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.
0	9.19	31.483	24.36	0.633	7.09	111	0.92
5	7.78	31.604	24.66	0.687	7.69	117	0.98
10	0.94	31.948	25.62	0.869	9.73	124	1.55
15	0.59	31.974	25.66	0.838	9.39	119	1.37
20	0.55	31.988	25.67	0.832	9.32	118	1.27
25	0.53	31.990	25.68	0.832	9.32	118	1.16
28	0.53	31.988	25.68	0.831	9.31	118	1.12

CRUISE BB 268 STATION 005

DATE 07/27/60 HR 1611 ZN 11 LAT 63-18N LONG 168-34W MARSQ 233
SDG 037M WSPD 03 DIR 050 WEA 03 SEA 0 BAR 4 CL 2 AMT 7
DRY 53.1 WET 50.9 RELHU 87 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	5.16	31.569	24.97	0.725	8.12	115
5	4.00	31.642	25.14	0.735	8.23	114
10	1.86	31.915	25.54	0.746	8.36	109
15	0.97	31.992	25.65	0.738	8.27	106
20	0.26	32.038	25.73	0.740	8.29	104
25	-0.07	32.064	25.76	0.746	8.36	103
30	-0.10	32.067	25.76	0.741	8.30	103
35	-0.10	32.062	25.76	0.729	8.16	101

CRUISE BB 268 STATION 006

DATE 07/27/60 HR 2131 ZN 11 LAT 63-07N LONG 167-58W MARSQ 233
SDG 032M WSPD 00 DIR 000 WEA 03 SEA 1 BAR 5 CL 4 AMT 7
DRY 50.4 WET 50.0 RELHU 98 SCD 14 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	10.58	31.246	23.95	0.584	6.54	105	0.66	54
5	9.98	31.248	24.05	0.604	6.76	107	0.83	59
10	1.26	31.895	25.56	0.932	10.44	134	1.13	63
15	1.03	31.941	25.61	0.917	10.27	132	1.21	60
20	0.88	31.981	25.65	0.904	10.12	129	1.19	60
25	0.88	31.979	25.65	0.841	9.42	120	1.30	55
30	0.86	31.979	25.65	0.836	9.36	119	1.23	47

CRUISE BB 268 STATION 007

DATE 07/28/60 HR 0300 ZN 11 LAT 62-50N LONG 167-16W MARSQ 233
SDG 037M WSPD 02 DIR 050 WEA 02 SEA 1 BAR 5 CL 6 AMT 8
DRY 51.8 WET 50.9 RELHU 94 SCD 14 SPOB CUR VV GR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.59	31.429	24.09	0.594	6.65	107
5	10.32	31.510	24.20	0.593	6.64	107
10	2.37	32.226	25.75	0.778	8.71	116
15	2.04	32.263	25.80	0.772	8.65	114
20	2.03	32.264	25.80	0.774	8.67	114
25	2.02	32.262	25.80	0.774	8.67	114
30	2.02	32.265	25.81	0.776	8.69	114
35	2.01	32.252	25.80	0.771	8.64	114

CRUISE BB 268 STATION 008

DATE 07/28/60 HR 0801 ZN 11 LAT 62-34N LONG 166-35W MARSQ 233
SDG 022M WSPD 06 DIR 180 WEA 01 SEA 2 BAR 5 CL 8 AMT 8
DRY 55.0 WET 50.0 RELHU 71 SCD 08 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	12.18	27.153	20.51	0.583	6.53	106	0.52	124
5	5.44	30.360	23.98	0.585	6.55	93	1.14	136
10	4.92	31.027	24.56	0.578	6.47	91	1.18	146
15	4.81	31.030	24.58	0.579	6.48	91	1.26	134
20	4.44	31.042	24.62	0.583	6.53	91	1.15	151

CRUISE BB 268 STATION 009

DATE 07/28/60 HR 1327 ZN 11 LAT 62-19N LONG 165-56W MARSQ 233
SDG 008M WSPD 09 DIR 130 WEA 15 SEA 3 BAR 4 CL 8 AMT 8
DRY 53.8 WET 51.8 RELHU 88 SCD 01 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	12.86	24.483	18.33	0.562	6.29	102
5	12.10	24.871	18.76	0.559	6.26	100
7	11.36	23.023	17.46	0.556	6.23	97

CRUISE BB 268 STATION 010

DATE 07/28/60 HR 1849 ZN 11 LAT 62-52N LONG 166-00W MARSQ 233
SDG 022M WSPD 01 DIR 040 WEA 01 SEA 1 BAR 5 CL 6 AMT 6
DRY **.* WET **.* RELHU ** SCD 11 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	13.38	27.040	20.20	0.563	6.31	105	0.58	153
5	12.34	28.077	21.19	0.574	6.43	105	0.86	110
10	0.94	31.213	25.03	0.667	7.47	95	1.33	165
15	0.87	31.224	25.04	0.664	7.44	94	1.29	158
18	0.88	31.231	25.05	0.671	7.52	95	1.36	170

CRUISE BB 268 STATION 011

DATE 07/29/60 HR 0057 ZN 1 LAT 63-56N LONG 166-04W MARSQ 233
SDG 025M WSPD 05 DIR 090 WEA 15 SEA 1 BAR 6 CL 4 AMT 7
DRY 55.4 WET 53.6 RELHU 89 SCD ** SPOB CUR VV GR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	13.29	26.138	19.52	0.566	6.34	105
5	10.96	29.545	22.57	0.593	6.64	107
10	0.44	31.802	25.53	0.735	8.23	104
15	0.44	31.831	25.55	0.736	8.24	104
20	0.46	31.834	25.56	0.737	8.25	104
23	0.44	31.840	25.56	0.746	8.36	105

CRUISE BB 268 STATION 012

DATE 07/29/60 HR 0646 ZN 11 LAT 63-58N LONG 166-08W MARSQ 233
SDG 024M WSPD 02 DIR 340 WEA 02 SEA 2 BAR 7 CL 8 AMT 6
DRY 57.9 WET 53.6 RELHU 76 SCD 13 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	13.85	27.230	20.26	0.552	6.18	104	0.50	113
5	12.24	29.055	21.96	0.579	6.48	107	0.79	54
10	4.06	31.666	25.16	0.684	7.66	106	1.00	61
15	1.85	31.851	25.49	0.726	8.13	106	1.09	78
20	1.70	31.873	25.51	0.729	8.16	106	1.21	84
22	1.72	31.874	25.51	0.729	8.16	106	1.12	97

CRUISE BB 268 STATION 013

DATE 07/29/60 HR 1215 ZN 11 LAT 64-22N LONG 166-11W MARSQ 233
SDG 027M WSPD 04 DIR 260 WEA 02 SEA 2 BAR 8 CL 2 AMT 6
DRY 64.4 WET 58.6 RELHU 71 SCD 08 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	11.89	31.771	24.13	0.580	6.50	108	0.94	73
5	9.34	31.847	24.62	0.597	6.69	105	1.11	92
10	8.92	31.861	24.70	0.592	6.63	103	1.23	103
15	8.96	--.---	--.--	0.578	6.47		1.25	110
20	8.78	32.708	25.38	0.580	6.50	102	1.38	164
25	8.74	32.768	25.43	0.539	6.04	94	1.50	197

CRUISE BB 268 STATION 014

DATE 07/29/60 HR 1639 ZN 11 LAT 64-32N LONG 166-12W MARSQ 233
SDG 013M WSPD 08 DIR 270 WEA 15 SEA 3 BAR 8 CL 8 AMT 5
DRY 61.2 WET 57.0 RELHU 78 SCD 07 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	16.30	28.311	20.58	0.529	5.92	106
5	15.45	28.680	21.04	0.532	5.96	105
10	14.50	29.503	21.87	0.521	5.84	101

CRUISE BB 268 STATION 015

DATE 07/29/60 HR 2013 ZN 11 LAT 64-32N LONG 166-59W MARSQ 233
SDG 028M WSPD 07 DIR 310 WEA 14 SEA 3 BAR 8 CL 0 AMT 9
DRY 53.6 WET 52.7 RELHU 94 SCD 17 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	13.34	29.767	22.31	0.562	6.29	107
5	11.85	29.980	22.75	0.595	6.66	110
10	5.02	31.873	25.22	0.668	7.48	106
15	5.34	31.936	25.24	0.661	7.40	106
20	7.76	32.494	25.36	0.580	6.50	99
25	7.86	32.537	25.38	0.575	6.44	98

CRUISE BB 268 STATION 016

DATE 07/30/60 HR 0309 ZN 11 LAT 65-13N LONG 167-30W MARSQ 233
SDG 020M WSPD 07 DIR 320 WEA 15 SEA 3 BAR 8 CL 0 AMT 7
DRY 52.9 WET 52.0 RELHU 94 SCD 10 SPOB CUR VV GR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	13.47	29.166	21.82	0.557	6.24	105
5	12.70	29.330	22.09	0.569	6.37	106
10	11.82	31.493	23.92	0.571	6.40	106
15	11.84	31.497	23.92	0.571	6.40	106
18	11.85	31.502	23.93	0.570	6.38	106

CRUISE BB 268 STATION 017

DATE 07/30/60 HR 0810 ZN 11 LAT 64-54N LONG 168-10W MARSQ 233
SDG 041M WSPD 12 DIR 340 WEA 02 SEA 3 BAR 8 CL 0 AMT 8
DRY 52.8 WET 50.7 RELHU 93 SCD 12 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	11.46	30.902	23.53	0.595	6.66	109	0.77	35
5	8.70	31.570	24.50	0.684	7.66	119	0.37	38
10	7.50	31.766	24.83	0.709	7.94	120	0.60	49
15	5.49	31.909	25.20	0.786	8.80	126	0.62	64
20	4.92	31.956	25.30	0.783	8.77	124	0.75	80
25	1.30	32.110	25.73	0.827	9.26	120	1.22	66
30	1.25	32.137	25.75	0.826	9.25	119	1.23	84
35	1.23	--.---	--.--	0.822	9.21		-.--	
38	1.26	32.141	25.76	0.824	9.23	119	1.16	80

CRUISE BB 268 STATION 018

DATE 07/30/60 HR 1312 ZN 11 LAT 64-34N LONG 168-47W MARSQ 233
SDG 045M WSPD 11 DIR 350 WEA 02 SEA 3 BAR 8 CL 0 AMT 8
DRY 51.1 WET 48.2 RELHU 82 SCD 08 SPOB CUR VV GR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	8.43	31.706	24.65	0.715	8.01	123	0.42	30
5	8.40	31.707	24.66	0.715	8.01	123	0.42	23
10	3.37	32.401	25.80	0.874	9.79	134	1.04	136
15	2.13	32.518	26.00	0.646	7.24	96	1.93	315
20	2.10	32.539	26.02	0.645	7.22	96	1.96	311
25	2.06	32.572	26.05	0.649	7.27	96	1.96	287
30	2.03	32.578	26.05	0.646	7.24	96	1.97	294
40	1.94	32.593	26.07	0.636	7.12	94	1.97	301

CRUISE BB 268 STATION 019

DATE 07/30/60 HR 1820 ZN 11 LAT 64-16N LONG 169-21W MARSQ 233
SDG 039M WSPD 08 DIR 350 WEA 02 SEA 3 BAR 6 CL 0 AMT 9
DRY 46.0 WET 44.6 RELHU 90 SCD 09 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	7.22	31.764	24.87	0.730	8.18	122	0.69	101
5	7.20	31.768	24.87	0.733	8.21	123	0.73	44
10	6.03	31.767	25.02	0.722	8.09	118	0.75	59
15	4.45	32.105	25.46	0.748	8.38	117	1.34	172
20	1.86	32.399	25.92	0.718	8.04	106	1.55	230
25	1.88	32.404	25.93	0.714	8.00	105	1.72	218
30	1.95	32.436	25.95	0.698	7.82	103	1.58	202
35	1.97	32.450	25.96	0.685	7.67	101	1.79	207
37	2.00	32.452	25.96	0.683	7.65	101	1.63	181

CRUISE BB 268 STATION 020

DATE 07/30/60 HR 2319 ZN 11 LAT 63-58N LONG 169-57W MARSQ 233
SDG 038M WSPD 08 DIR 360 WEA 02 SEA 2 BAR 6 CL 0 AMT 9
DRY 46.8 WET 45.9 RELHU 94 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.23	31.663	24.79	0.689	7.72	115
5	7.22	31.662	24.79	0.691	7.74	116
10	6.54	31.663	24.88	0.701	7.85	115
15	3.37	31.819	25.34	0.784	8.78	120
20	1.76	31.927	25.55	0.777	8.70	114
25	1.75	31.934	25.56	0.775	8.68	113
30	1.74	31.934	25.56	0.773	8.66	113
35	1.74	31.933	25.56	0.754	8.44	110

CRUISE BB 268 STATION 021

DATE 07/31/60 HR 0341 ZN 11 LAT 63-44N LONG 17 22W MARSQ 234
SDG 035M WSPD 10 DIR 360 WEA 02 SEA 3 BAR 5 CL 0 AMT 9
DRY 47.8 WET 46.8 RELHU 93 SCD 08 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	8.60	31.478	24.45	0.680	7.62	117	0.73	40
5	8.48	31.480	24.47	0.633	7.09	109	0.79	35
10	4.86	31.672	25.08	0.720	8.06	114	1.00	80
15	4.54	31.694	25.13	0.728	8.15	114	1.02	84
20	4.46	31.699	25.14	0.731	8.19	114	1.03	77
25	4.38	31.703	25.15	0.732	8.20	114	0.98	78
30	4.37	31.711	25.16	0.732	8.20	114	1.05	77
33	4.35	31.711	25.16	0.733	8.21	114	0.96	78

CRUISE BB 268 STATION 022

DATE 07/31/60 HR 1048 ZN 11 LAT 63-50N LONG 171-55W MARSQ 234
SDG 037M WSPD 17 DIR 030 WEA 02 SEA 3 BAR 6 CL 0 AMT 9
DRY 46.0 WET 44.0 RELHU 88 SCD 10 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	8.43	31.618	24.58	0.648	7.26	112	0.84	40
5	8.40	31.608	24.58	0.659	7.38	113	0.70	45
10	8.36	31.634	24.60	0.662	7.41	114	0.62	45
15	8.28	31.634	24.62	0.681	7.63	117	0.54	56
20	1.50	32.123	25.73	0.731	8.19	106	1.34	191
25	0.84	32.132	25.77	0.713	7.99	102	1.53	224
30	0.82	32.131	25.77	0.704	7.88	101	1.53	235
35	0.76	32.127	25.77	0.699	7.83	100	1.36	226

CRUISE BB 268 STATION 023

DATE 07/31/60 HR 2055 ZN 11 LAT 63-58N LONG 172-11W MARSQ 234
SDG 063M WSPD 12 DIR 040 WEA 02 SEA 3 BAR 8 CL 0 AMT 6
DRY 44.9 WET 42.9 RELHU 86 SCD 05 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	10.03	31.330	24.11	0.747	8.37	133	0.31	71
5	10.02	31.322	24.10	0.747	8.37	133	0.40	76
10	9.86	31.358	24.16	0.739	8.28	131	0.42	76
15	1.81	32.834	26.28	0.602	6.74	89	1.75	411
20	1.20	32.840	26.32	0.589	6.60	85	2.03	416
25	1.18	32.845	26.33	0.589	6.60	85	1.99	419
30	1.16	32.839	26.32	0.589	6.60	85	2.06	419
40	1.15	32.838	26.32	0.582	6.52	84	1.74	419
50	1.17	32.840	26.32	0.582	6.52	84	1.87	430
60	1.18	32.838	26.35	0.574	6.43	83	1.92	435

CRUISE BB 268 STATION 024

DATE 08/01/60 HR 0226 ZN 11 LAT 64-19N LONG 171-26W MARSQ 234
SDG 043M WSPD 12 DIR 250 WEA 02 SEA 3 BAR 9 CL 0 AMT 7
DRY 41.0 WET 39.9 RELHU 91 SCD 07 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.37	30.970	23.93	0.664	7.44	116
5	9.35	30.980	23.94	0.666	7.46	117
10	2.04	32.776	26.21	0.596	6.68	88
14	1.76	32.836	26.28	0.592	6.63	87
19	1.77	32.837	26.28	0.594	6.65	87
24	1.74	32.838	26.28	0.594	6.65	87
29	1.74	32.838	26.28	0.594	6.65	87
34	1.74	32.839	26.28	0.594	6.65	87
39	1.75	32.840	26.28	0.593	6.64	87

CRUISE BB 268 STATION 025

DATE 08/01/60 HR 0828 ZN 11 LAT 64-41N LONG 17 38W MARSQ 234
SDG 048M WSPD 05 DIR 350 WEA 02 SEA 3 BAR 10 CL 0 AMT 8
DRY 38.1 WET 36.9 RELHU 89 SCD 10 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	2.00	32.884	26.30	0.633	7.09	94	2.18	348
5	1.98	32.884	26.30	0.631	7.07	93	2.12	372
10	1.94	32.918	26.33	0.627	7.02	93	2.23	353
15	1.73	32.991	26.41	0.610	6.83	90	2.20	336
20	1.56	33.010	26.43	0.597	6.69	88	2.32	350
25	1.48	33.012	26.44	0.592	6.63	87	2.28	343
30	1.45	33.012	26.44	0.590	6.61	86	2.27	379
35	1.45	33.012	26.44	0.591	6.62	86	2.12	360
40	1.43	33.014	26.45	0.589	6.60	86	2.32	367
45	1.42	33.017	26.45	0.590	6.61	86	2.30	360

CRUISE BB 268 STATION 026

DATE 08/01/60 HR 1357 ZN 11 LAT 65-01N LONG 169-52W MARSQ 233
SDG 045M WSPD 15 DIR 030 WEA 03 SEA 3 BAR 10 CL 6 AMT 3
DRY 40.8 WET 39.4 RELHU 88 SCD 05 SPOB CUR VV GR PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.76	32.108	25.20	0.717	8.03	119
5	6.76	32.101	25.19	0.712	7.97	118
10	6.74	32.100	25.19	0.710	7.95	118
15	6.70	32.109	25.21	0.711	7.96	118
20	1.85	32.746	26.20	0.570	6.38	84
25	1.83	32.746	26.20	0.569	6.37	84
30	1.82	32.745	26.21	0.576	6.45	88
35	1.80	32.746	26.21	0.567	6.35	84
40	1.81	32.748	26.21	0.567	6.35	84

CRUISE BB 268 STATION 027

DATE 08/01/60 HR 2014 ZN 11 LAT 65-24N LONG 169-02W MARSQ 233
SDG 052M WSPD 17 DIR 030 WEA 03 SEA 3 BAR 10 CL 0 AMT 7
DRY 38.7 WET 37.4 RELHU 90 SCD 03 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	3.88	32.536	25.86	0.778	8.71	121	1.02	134
5	3.88	32.540	25.87	0.778	8.71	121	1.09	118
10	3.90	32.542	25.87	0.778	8.71	121	1.09	122
15	3.84	32.542	25.87	0.780	8.74	121	1.07	127
20	3.89	32.542	25.87	0.780	8.74	121	1.03	122
25	3.85	32.549	25.88	0.776	8.69	120	1.20	122
30	3.57	32.575	25.92	0.730	8.18	112	1.40	150
40	1.34	32.934	26.39	0.574	6.43	84	2.27	371
48	1.36	32.936	26.39	0.573	6.42	84	2.37	348

CRUISE BB 268 STATION 028

DATE 08/02/60 HR 0110 ZN 11 LAT 65-44N LONG 168-53W MARSQ 233
SDG 049M WSPD 16 DIR 360 WEA 16 SEA 3 BAR 10 CL 0 AMT 9
DRY 37.4 WET 36.7 RELHU 94 SCD 08 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.22	30.402	23.51	0.610	6.83	106
5	9.22	30.396	23.51	0.617	6.91	107
10	9.08	30.508	23.62	0.751	8.41	130
15	5.20	32.161	25.43	0.720	8.06	115
20	3.14	32.499	25.90	0.638	7.15	97
25	2.40	32.618	26.06	0.642	7.19	96
30	2.40	32.620	26.06	0.639	7.16	96
35	2.38	32.620	26.06	0.635	7.11	95
40	2.38	32.619	26.06	0.634	7.10	95
45	2.38	32.620	26.06	0.606	6.79	90

CRUISE BB 268 STATION 029

DATE 08/02/60 HR 0402 ZN 11 LAT 65-42N LONG 168-30W MARSQ 233
SDG 055M WSPD 12 DIR 360 WEA 02 SEA 3 BAR 10 CL 0 AMT 7
DRY 39.2 WET 38.1 RELHU 91 SCD 09 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	9.49	31.332	24.20	0.603	6.75	106	0.85	80
5	9.48	31.332	24.20	0.600	6.72	106	1.00	80
10	6.35	31.779	24.99	0.683	7.65	112	1.06	101
15	3.58	32.152	25.59	0.727	8.14	112	1.22	143
20	3.75	32.254	25.65	0.736	8.24	114	1.22	141
25	3.68	32.303	25.70	0.725	8.12	112	1.32	153
30	3.49	32.312	25.72	0.698	7.82	107	1.48	162
40	2.17	32.253	25.78	0.736	8.24	109	1.42	94
50	2.14	32.254	25.79	0.737	8.25	109	1.42	87

CRUISE BB 268 STATION 030

DATE 08/02/60 HR 0657 ZN 11 LAT 65-40N LONG 168-10W MARSQ 233
SDG 018M WSPD 07 DIR 360 WEA 02 SEA 2 BAR 10 CL 0 AMT 8
DRY 41.0 WET 39.4 RELHU 87 SCD 04 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.10	31.348	24.11	0.560	6.27	100
5	9.60	31.538	24.34	0.571	6.40	101
10	8.43	31.923	24.82	0.583	6.53	101
15	8.28	31.946	24.86	0.583	6.53	100

CRUISE BB 268 STATION 031

DATE 08/02/60 HR 1339 ZN 11 LAT 66-11N LONG 167-45W MARSQ 233
SDG 019M WSPD 02 DIR 340 WEA 01 SEA 1 BAR 10 CL 0 AMT 7
DRY 44.1 WET 41.7 RELHU 83 SCD 06 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	11.72	31.617	24.04	0.564	6.32	105	0.98	92
5	11.52	31.611	24.07	0.565	6.33	104	0.89	103
10	11.48	31.621	24.09	0.566	6.34	104	1.02	99
15	11.33	31.642	24.13	0.566	6.34	104	0.98	87

CRUISE BB 268 STATION 032

DATE 08/02/60 HR 1818 ZN 11 LAT 65-56N LONG 167-39W MARSQ 233
SDG 017M WSPD 00 DIR WEA 01 SEA 1 BAR 10 CL 6 AMT 2
DRY 55.2 WET 49.5 RELHU 67 SCD 06 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	11.72	31.542	23.98	0.570	6.38	106	1.04	104
5	11.20	31.543	24.07	0.573	6.42	105	1.09	92
10	11.04	31.548	24.11	0.564	6.32	103	1.07	120
13	11.02	31.546	24.11	0.565	6.33	103	1.02	110

CRUISE BB 268 STATION 033

DATE 08/02/60 HR 2208 ZN 11 LAT 66-09N LONG 167-03W MARSQ 233
SDG 016M WSPD 03 DIR 120 WEA 02 SEA 1 BAR 10 CL 6 AMT 2
DRY 43.9 WET 42.6 RELHU 91 SCD 05 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	10.24	31.307	24.06	0.584	6.54	105	0.98	84
5	10.32	31.309	24.04	0.583	6.53	105	1.00	89
10	10.32	31.340	24.07	0.582	6.52	104	1.01	89
13	10.36	31.360	24.08	0.577	6.46	104	0.96	80

CRUISE BB 268 STATION 034

DATE 08/03/60 HR 0330 ZN 11 LAT 66-12N LONG 168-13W MARSQ 233
SDG 052M WSPD 02 DIR 150 WEA 40 SEA 1 BAR 11 CL 6 AMT 3
DRY 46.9 WET 45.0 RELHU 86 SCD 06 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	11.88	31.167	23.66	0.564	6.32	105
5	11.31	31.288	23.86	0.567	6.35	104
10	10.59	31.460	24.12	0.566	6.34	102
15	10.20	31.588	24.28	0.575	6.44	103
20	5.25	31.966	25.27	0.657	7.36	102
25	4.42	31.921	25.32	0.690	7.73	108
29	3.50	31.936	25.42	0.707	7.92	108
39	3.27	31.956	25.44	0.714	8.00	109
49	3.14	31.952	25.47	0.709	7.94	107

CRUISE BB 268 STATION 035

DATE 08/03/60 HR 0747 ZN 11 LAT 66-15N LONG 168-53W MARSQ 233
SDG 055M WSPD 02 DIR 150 WEA 42 SEA 1 BAR 10 CL 3 AMT 1
DRY 46.0 WET 45.9 RELHU 99 SCD 04 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	5.60	32.311	25.50	0.848	9.50	137	0.67	75
5	5.13	32.430	25.65	0.770	8.62	123	0.79	85
10	4.90	32.464	25.70	0.762	8.53	121	0.98	94
15	3.58	32.633	25.97	0.707	7.92	109	1.56	204
20	2.62	32.654	26.07	0.648	7.26	97	1.99	280
25	2.59	32.654	26.07	0.652	7.30	98	2.08	290
30	2.58	32.659	26.08	0.652	7.30	98	2.06	301
40	2.58	32.661	26.08	0.652	7.30	98	2.11	285
50	2.58	32.658	26.08	0.650	7.28	98	1.07	292

CRUISE BB 268 STATION 036

DATE 08/03/60 HR 1345 ZN 11 LAT 66-48N LONG 168-52W MARSQ 233
SDG 045M WSPD 02 DIR 150 WEA 02 SEA 1 BAR 11 CL 0 AMT 1
DRY 50.2 WET 48.2 RELHU 87 SCD 10 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.64	31.474	24.12	0.578	6.47	105
5	10.15	31.490	24.21	0.576	6.45	103
10	9.57	31.542	24.35	0.594	6.65	105
15	4.21	31.893	25.32	0.682	7.64	106
20	4.14	31.892	25.33	0.685	7.67	107
25	3.69	31.890	25.37	0.702	7.86	108
30	3.60	31.900	25.38	0.708	7.93	109
40	3.52	31.983	25.46	0.684	7.66	105

CRUISE BB 268 STATION 037

DATE 08/03/60 HR 1733 ZN 11 LAT 66-44N LONG 168-03W MARSQ 233
SDG 030M WSPD 04 DIR 100 WEA 01 SEA 1 BAR 10 CL 2 AMT 0
DRY 46.8 WET 45.1 RELHU 88 SCD 12 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	7.38	31.760	24.84	0.639	7.16	108	0.98	61
5	7.11	31.760	24.88	0.643	7.20	108	1.01	63
10	6.18	31.748	24.99	0.661	7.40	108	0.76	57
15	5.64	31.741	25.05	0.672	7.53	108	0.62	64
20	5.57	31.752	25.06	0.672	7.53	108	1.07	73
25	4.96	31.770	25.15	0.680	7.62	108	1.07	73
28	4.71	31.793	25.19	0.676	7.57	107	1.22	89

CRUISE BB 268 STATION 038

DATE 08/03/60 HR 2223 ZN 11 LAT 66-40N LONG 167-14W MARSQ 233
SDG 034M WSPD 06 DIR 050 WEA 02 SEA 1 BAR 10 CL 0 AMT 0
DRY 44.9 WET 44.2 RELHU 95 SCD 10 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.36	31.781	24.99	0.653	7.31	108
5	6.38	31.782	25.00	0.660	7.39	108
10	5.54	31.782	25.08	0.672	7.53	108
15	5.29	31.793	25.13	0.675	7.56	108
20	5.23	31.807	25.15	0.675	7.56	108
25	5.15	31.819	25.16	0.666	7.46	106
30	5.00	31.844	25.20	0.648	7.26	103

CRUISE BB 268 STATION 039

DATE 08/04/60 HR 0207 ZN 11 LAT 66-36N LONG 166-22W MARSQ 233
SDG 017M WSPD 08 DIR 050 WEA 02 SEA 2 BAR 8 CL AMT 0
DRY 47.8 WET 45.7 RELHU 85 SCD 08 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.18	31.675	24.35	0.577	6.46	104
5	10.13	31.674	24.36	0.575	6.44	103
10	9.91	31.663	24.39	0.572	6.41	102
15	9.71	31.663	24.42	0.565	6.33	100

CRUISE BB 268 STATION 040

DATE 08/04/60 HR 0613 ZN 11 LAT 66-32N LONG 165-29W MARSQ 233
SDG 016M WSPD 05 DIR 050 WEA 03 SEA 2 BAR 7 CL 1 AMT 2
DRY 58.6 WET 53.9 RELHU 69 SCD 08 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.84	31.164	24.01	0.593	6.64	105
5	9.78	31.163	24.02	0.594	6.65	105
10	9.55	31.171	24.06	0.596	6.68	105
13	9.51	31.175	24.07	0.589	6.60	104

CRUISE BB 268 STATION 041

DATE 08/04/60 HR 0930 ZN 11 LAT 66-47N LONG 165-02W MARSQ 233
SDG 024M WSPD 09 DIR 040 WEA 02 SEA 1 BAR 6 CL 1 AMT 3
DRY 53.6 WET 50.7 RELHU 82 SCD 18 SPQB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	10.22	31.251	24.02	0.590	6.61	106	0.60	35
5	10.03	31.253	24.05	0.594	6.65	106	0.64	52
10	9.72	31.247	24.09	0.600	6.72	106	0.61	36
15	8.20	31.372	24.42	0.674	7.55	115	0.65	33
20	7.94	31.340	24.44	0.671	7.52	114	0.66	47

CRUISE BB 268 STATION 042

DATE 08/04/60 HR 1343 ZN 11 LAT 67-04N LONG 164-32W MARSQ 233
SDG 028M WSPD 04 DIR 040 WEA 03 SEA 2 BAR 5 CL 9 AMT 2
DRY 55.4 WET 52.5 RELHU 83 SCD 18 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	13.23	26.201	19.58	0.551	6.17	102	0.70	64
5	10.43	30.964	23.76	0.593	6.64	106	0.69	38
10	10.00	31.099	23.93	0.602	6.74	107	1.09	36
15	6.91	31.277	24.53	0.696	7.80	115	0.85	47
20	6.80	31.297	24.56	0.711	7.96	118	0.80	47
25	6.64	31.287	24.57	0.709	7.94	117	0.34	42

CRUISE BB 268 STATION 043

DATE 08/04/60 HR 1931 ZN 11 LAT 67-19N LONG 164-08W MARSQ 233
SDG 021M WSPD 06 DIR 360 WEA 15 SEA 1 BAR 4 CL 6 AMT 6
DRY 53.6 WET 52.0 RELHU SCD SPOB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	10.80	30.213	23.11	0.602	6.74	108	0.55	54
5	7.73	31.278	24.42	0.684	7.66	116	0.80	44
10	7.89	31.566	24.62	0.714	8.00	121	1.02	42
15	7.88	31.635	24.67	0.656	7.35	112	1.11	64
18	7.82	31.654	24.70	0.653	7.31	111	1.07	82

CRUISE BB 268 STATION 044

DATE 08/04/60 HR 2341 ZN 11 LAT 67-18N LONG 165-07W MARSQ 233
SDG 032M WSPD 05 DIR 150 WEA 02 SEA 2 BAR 2 CL X AMT 7
DRY 52.3 WET 50.9 RELHU 91 SCD 09 SPOB CUR VV GR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.86	31.658	24.39	0.620	6.94	111
5	9.34	31.818	24.60	0.625	7.00	110
10	8.35	31.850	24.78	0.638	7.15	110
15	6.76	31.957	25.08	0.683	7.65	113
20	6.56	31.967	25.11	0.697	7.81	115
25	6.28	31.971	25.15	0.652	7.30	107
30	5.66	32.003	25.25	0.649	7.27	105

CRUISE BB 268 STATION 045

DATE 08/05/60 HR 0420 ZN 11 LAT 67-18N LONG 166-04W MARSQ 233
SDG 038M WSPD 08 DIR 050 WEA 02 SEA 2 BAR 1 CL 6 AMT 7
DRY 50.7 WET 49.6 RELHU 93 SCD 13 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	8.32	31.698	24.66	0.629	7.04	108	0.71	54
5	8.30	31.694	24.66	0.628	7.03	108	0.84	50
10	7.06	31.711	24.85	0.652	7.30	109	0.80	47
15	3.56	32.005	25.47	0.711	7.96	109	1.19	94
20	3.32	32.004	25.49	0.716	8.02	109	1.25	94
25	3.31	32.008	25.50	0.715	8.01	109	1.14	101
30	3.32	32.011	25.50	0.711	7.96	108	1.21	97
35	3.30	32.011	25.50	0.708	7.93	108	1.11	87

CRUISE BB 268 STATION 046

DATE 08/05/60 HR 0912 ZN 11 LAT 67-17N LONG 167-05W MARSQ 233
SDG 044M WSPD 06 DIR 070 WEA 52 SEA 1 BAR 1 CL 6 AMT 9
DRY 48.2 WET 47.7 RELHU 96 SCD 10 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	6.54	31.887	25.05	0.680	7.62	112	0.72	63
5	6.50	31.884	25.06	0.684	7.66	113	0.79	44
10	5.63	31.920	25.19	0.725	8.12	117	0.78	44
15	4.30	31.976	25.38	0.728	8.15	114	0.94	59
20	2.72	32.045	25.58	0.672	7.53	101	1.37	115
25	2.70	32.047	25.58	0.665	7.45	100	1.37	127
30	2.64	32.069	25.60	0.679	7.60	102	1.41	116
35	2.59	32.081	25.62	0.663	7.43	99	1.34	136
40	2.58	32.081	25.62	0.660	7.39	99	1.33	150

CRUISE BB 268 STATION 047

DATE 08/05/60 HR 1324 ZN 11 LAT 67-16N LONG 168-02W MARSQ 233
SDG 041M WSPD 06 DIR 050 WEA 03 SEA 1 BAR 1 CL 6 AMT 9
DRY 56.1 WET 51.6 RELHU 74 SCD 11 SPOB CUR VV GC PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	6.61	31.854	25.02	0.684	7.66	113	0.83	59
5	6.56	31.844	25.02	0.683	7.65	113	0.96	64
10	5.48	32.013	25.28	0.743	8.32	120	0.94	61
15	3.54	32.086	25.54	0.765	8.57	117	1.14	68
20	3.52	32.123	25.57	0.773	8.66	119	1.08	73
25	3.38	32.120	25.58	0.714	8.00	109	1.47	97
30	3.28	32.127	25.59	0.702	7.86	107	1.41	110
40	3.22	32.147	25.62	0.673	7.54	102	1.70	184

CRUISE BB 268 STATION 048

DATE 08/05/60 HR 1820 ZN 11 LAT 67-15N LONG 169-05W MARSQ 233
SDG 049M WSPD 02 DIR 080 WEA 02 SEA 1 BAR 1 CL 6 AMT 8
DRY 51.4 WET 49.8 RELHU 90 SCD 10 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	9.90	30.838	23.75	0.604	6.76	107	0.78	64
5	9.16	31.024	24.01	0.623	6.98	109	0.84	64
10	8.18	31.307	24.38	0.661	7.40	113	0.73	75
15	2.81	32.113	25.62	0.715	8.01	108	1.40	118
20	2.75	32.130	25.64	0.705	7.90	106	1.40	130
25	2.74	32.158	25.66	0.706	7.91	106	1.51	137
30	2.70	32.164	25.67	0.704	7.88	106	1.51	143
40	2.68	32.155	25.67	0.698	7.82	105	1.47	146
45	2.64	32.153	25.67	0.697	7.81	104	1.43	157

CRUISE BB 268 STATION 049

DATE 08/06/60 HR 0243 ZN 11 LAT 67-38N LONG 167-17W MARSQ 233
SDG 049M WSPD 12 DIR 090 WEA 02 SEA 2 BAR 1 CL 0 AMT 9
DRY 47.1 WET 46.4 RELHU 95 SCD 09 SPOB CUR VV GR PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.62	31.994	25.13	0.711	7.96	118
5	6.60	32.007	25.14	0.715	8.01	118
10	4.81	32.062	25.39	0.767	8.59	121
15	3.86	32.088	25.51	0.782	8.76	121
20	3.00	32.124	25.62	0.653	7.31	99
25	3.00	32.165	25.65	0.644	7.21	97
30	2.96	32.177	25.66	0.643	7.20	97
40	2.84	32.208	25.70	0.623	6.98	94
45	2.84	32.210	25.70	0.620	6.94	93

CRUISE BB 268 STATION 050

DATE 08/06/60 HR 0546 ZN 11 LAT 67-48N LONG 166-30W MARSQ 233
SDG 049M WSPD 11 DIR 120 WEA 45 SEA 2 BAR 2 CL X AMT 9
DRY 49.3 WET 48.7 RELHU 96 SCD 13 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	7.98	31.814	24.80	0.630	7.06	108	0.70	36
5	7.93	31.817	24.81	0.633	7.09	108	0.74	31
10	6.87	31.895	25.02	0.660	7.39	110	0.73	44
15	3.90	32.025	25.46	0.737	8.25	114	1.02	42
20	3.14	32.059	25.55	0.743	8.32	113	1.16	40
25	2.82	32.050	25.57	0.733	8.21	110	1.26	75
30	2.59	32.042	25.58	0.704	7.88	105	1.42	97
40	2.49	32.038	25.59	0.702	7.86	105	1.47	108
45	2.50	32.039	25.59	0.707	7.92	106	1.43	47

CRUISE BB 268 STATION 051

DATE 08/06/60 HR 0927 ZN 11 LAT 67-52N LONG 166-08W MARSQ 233
SDG 048M WSPD 06 DIR 130 WEA 01 SEA 2 BAR 3 CL 5 AMT 7
DRY 60.1 WET 53.9 RELHU 68 SCD 14 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	8.17	31.949	24.88	0.637	7.13	109
5	6.82	31.885	25.01	0.693	7.76	115
10	6.00	31.880	25.11	0.706	7.91	115
15	5.46	31.958	25.24	0.716	8.02	115
20	5.20	32.016	25.31	0.721	8.08	115
25	4.76	32.039	25.38	0.709	7.94	112
30	4.74	32.037	25.38	0.702	7.86	111
35	4.70	32.036	25.38	0.698	7.82	110
40	4.70	32.038	25.39	0.700	7.84	110
45	4.72	32.039	25.38	0.701	7.85	111

CRUISE BB 268 STATION 052

DATE 08/06/60 HR 1150 ZN 11 LAT 67-57N LONG 165-46W MARSQ 233
SDG 032M WSPD 06 DIR 160 WEA 03 SEA 2 BAR 3 CL 5 AMT 7
DRY 54.1 WET 52.0 RELHU 87 SCD 15 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	11.12	30.434	23.23	0.581	6.51	105	0.44	47
5	10.80	30.490	23.33	0.589	6.60	106	0.47	44
10	6.26	31.323	24.64	0.728	8.15	119	0.59	19
15	6.52	31.544	24.79	0.692	7.75	114	0.67	57
20	6.54	31.556	24.79	0.690	7.73	114	0.72	61
25	6.54	31.559	24.79	0.688	7.71	113	0.74	52
30	6.54	31.557	24.79	0.689	7.72	114	0.78	59

CRUISE BB 268 STATION 053

DATE 08/06/60 HR 2319 ZN 11 LAT 68-11N LONG 166-23W MARSQ 233
SDG 017M WSPD 01 DIR 200 WEA 00 SEA 1 BAR 8 CL X AMT 9
DRY 49.5 WET 48.7 RELHU 95 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.38	30.513	23.42	0.583	6.53	104
5	9.88	31.172	24.01	0.600	6.72	107
10	8.23	31.160	24.25	0.623	6.98	106
15	8.12	31.153	24.26	0.623	6.98	106

CRUISE BB 268 STATION 054

DATE 08/07/60 HR 0238 ZN 11 LAT 68-21N LONG 166-55W MARSQ 233
SDG 031M WSPD 04 DIR 180 WEA 00 SEA 1 BAR 8 CL X AMT 9
DRY 48.2 WET 47.7 RELHU 96 SCD 11 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.96	30.102	23.00	0.571	6.40	103
5	10.68	30.293	23.20	0.581	6.51	104
10	9.22	31.021	24.00	0.606	6.79	106
15	9.06	31.076	24.06	0.611	6.84	106
20	7.90	31.390	24.48	0.634	7.10	108
25	7.80	31.410	24.51	0.635	7.11	108
28	7.78	31.417	24.52	0.634	7.10	107

CRUISE BB 268 STATION 055

DATE 08/07/60 HR 0654 ZN 11 LAT 68-16N LONG 167-56W MARSQ 233
SDG 046M WSPD 03 DIR 250 WEA 44 SEA 1 BAR 10 CL 0 AMT 8
DRY 42.8 WET 42.8 RELHU 99 SCD 16 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	6.52	32.081	25.21	0.683	7.65	113	0.79	40
5	6.38	32.099	25.24	0.691	7.74	114	0.79	42
10	5.00	32.099	25.40	0.716	8.02	114	0.80	50
15	2.52	32.113	25.65	0.686	7.68	102	1.17	106
20	2.52	32.113	25.65	0.684	7.66	102	1.35	106
25	2.50	32.112	25.65	0.683	7.65	102	1.34	106
30	2.44	32.112	25.65	0.681	7.63	101	1.32	115
35	2.40	32.114	25.66	0.680	7.62	101	-.--	116
40	2.40	32.113	25.66	0.679	7.60	101	1.04	108
43	2.41	32.114	25.66	0.678	7.59	101	1.34	116

CRUISE BB 268 STATION 056

DATE 08/07/60 HR 1111 ZN 11 LAT 68-11N LONG 168-55W MARSQ 233
SDG 056M WSPD 09 DIR 270 WEA 00 SEA 1 BAR 13 CL X AMT 9
DRY 46.4 WET 45.0 RELHU 90 SCD 12 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	5.58	32.158	25.38	0.828	9.27	134	0.86	36
5	5.60	32.156	25.38	0.831	9.31	134	0.85	35
10	3.77	32.158	25.57	0.852	9.54	131	0.92	45
15	3.46	32.171	25.61	0.771	8.64	118	1.08	68
20	3.00	32.192	25.67	0.661	7.40	100	1.90	103
25	2.86	32.280	25.75	0.609	6.82	92	2.28	238
30	2.84	32.288	25.76	0.600	6.72	90	2.18	261
40	2.86	32.298	25.77	0.596	6.68	90	2.03	266
50	2.89	32.306	25.77	0.598	6.70	90	2.11	256
55	2.92	32.309	25.77	0.597	6.69	90	2.12	250

CRUISE BB 268 STATION 057

DATE 08/07/60 HR 1647 ZN 11 LAT 68-34N LONG 168-55W MARSQ 233
SDG 053M WSPD 09 DIR 310 WEA 01 SEA 2 BAR 16 CL 4 AMT 7
DRY 45.3 WET 44.2 RELHU 92 SCD 17 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	8.14	31.846	24.80	0.624	6.99	107
5	8.15	31.844	24.80	0.624	6.99	107
10	8.14	31.848	24.80	0.626	7.01	107
15	3.98	32.041	25.46	0.696	7.80	108
20	2.54	32.048	25.59	0.640	7.17	96
25	2.50	32.051	25.60	0.638	7.15	95
30	2.49	32.050	25.60	0.636	7.12	95
40	2.50	32.070	25.61	0.640	7.17	96
50	2.48	32.081	25.62	0.648	7.26	97

CRUISE BB 268 STATION 058

DATE 08/07/60 HR 2030 ZN 11 LAT 68-54N LONG 168-55W MARSQ 233
SDG 052M WSPD 06 DIR 290 WEA 47 SEA 2 BAR 17 CL X AMT 9
DRY 41.0 WET 40.6 RELHU 97 SCD 15 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	8.02	31.692	24.70	0.618	6.92	105
5	8.00	31.688	24.70	0.615	6.89	105
10	8.03	31.689	24.70	0.622	6.97	106
15	7.56	31.771	24.83	0.644	7.21	109
20	5.22	31.965	25.27	0.648	7.26	104
25	4.91	32.050	25.37	0.628	7.03	100
30	3.92	31.992	25.43	0.628	7.03	97
40	3.58	31.961	25.44	0.629	7.04	96
50	3.56	31.961	25.44	0.630	7.06	96

CRUISE BB 268 STATION 059

DATE 08/08/60 HR 0200 ZN 11 LAT 68-53N LONG 167-44W MARSQ 233
SDG 047M WSPD 03 DIR 290 WEA 02 SEA 1 BAR 19 CL 0 AMT 9
DRY 43.7 WET 42.4 RELHU 90 SCD 15 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	9.23	31.067	24.03	0.602	6.74	105	0.57	17
5	9.22	31.082	24.04	0.601	6.73	105	0.63	3
10	8.91	31.082	24.09	0.612	6.85	106	0.61	33
15	7.28	31.564	24.70	0.666	7.46	112	0.70	0
20	5.69	31.739	25.04	0.671	7.52	108	0.93	19
25	5.48	31.753	25.07	0.667	7.47	107	0.99	12
30	5.38	31.764	25.09	0.667	7.47	107	1.04	2
40	5.32	31.777	25.11	0.666	7.46	107	1.01	28
45	5.30	31.781	25.12	0.660	7.39	106	1.03	36

CRUISE BB 268 STATION 060

DATE 08/08/60 HR 0505 ZN 11 LAT 68-52N LONG 167-08W MARSQ 233
SDG 043M WSPD 00 DIR WEA 02 SEA 1 BAR 20 CL 6 AMT 8
DRY 46.0 WET 44.6 RELHU 90 SCD 15 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.67	30.086	23.20	0.589	6.60	103
5	9.65	30.086	23.20	0.593	6.64	104
10	9.22	30.410	23.52	0.598	6.70	104
15	8.66	30.926	24.01	0.623	6.98	107
20	8.50	31.270	24.30	0.621	6.96	107
25	6.82	31.545	24.75	0.652	7.30	108
30	6.28	31.642	24.89	0.658	7.37	108
40	4.26	31.901	25.32	0.621	6.96	97

CRUISE BB 268 STATION 061

DATE 08/08/60 HR 0846 ZN 11 LAT 68-52N LONG 166-21W MARSQ 233
SDG 022M WSPD 12 DIR 190 WEA 02 SEA 2 BAR 19 CL 0 AMT 8
DRY 46.4 WET 43.9 RELHU 82 SCD 15 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.78	30.168	23.25	0.590	6.61	104
5	9.71	30.206	23.29	0.592	6.63	104
10	9.60	30.247	23.34	0.593	6.64	104
15	9.42	30.328	23.43	0.598	6.70	105
20	8.55	30.581	23.75	0.607	6.80	104

CRUISE BB 268 STATION 062

DATE 08/08/60 HR 1501 ZN 11 LAT 69-09N LONG 165-05W MARSQ 233
SDG 022M WSPD 01 DIR 090 WEA 02 SEA 1 BAR 20 CL 0 AMT 7
DRY 47.5 WET 45.7 RELHU 88 SCD 17 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	6.97	30.775	24.12	0.647	7.25	107	0.80	59
5	6.62	30.809	24.20	0.646	7.24	106	0.85	59
10	6.48	31.077	24.42	0.646	7.24	106	1.00	66
15	5.46	31.299	24.72	0.657	7.36	105	0.96	57
20	5.78	31.497	24.84	0.580	6.50	94	1.25	151

CRUISE BB 268 STATION 063

DATE 08/08/60 HR 1906 ZN 11 LAT 69-17N LONG 166-02W MARSQ 233
SDG 032M WSPD 05 DIR 200 WEA 47 SEA 4 BAR 18 CL X AMT 8
DRY 48.9 WET 47.8 RELHU 93 SCD 18 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	8.34	30.885	24.02	0.608	6.81	104
5	8.32	30.888	24.03	0.609	6.82	104
10	8.20	31.010	24.14	0.611	6.84	104
15	7.84	31.086	24.25	0.622	6.97	105
20	5.02	31.799	25.16	0.684	7.66	109
25	4.26	31.904	25.32	0.660	7.39	103
30	4.03	31.914	25.36	0.662	7.41	103

CRUISE BB 268 STATION 064

DATE 08/09/60 HR 0024 ZN 11 LAT 69-26N LONG 167-03W MARSQ 233
SDG 041M WSPD 25 DIR 180 WEA 01 SEA 3 BAR 15 CL X AMT 7
DRY 48.4 WET 48.0 RELHU 98 SCD 10 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.12	29.956	23.18	0.596	6.68	103
5	9.11	29.960	23.19	0.597	6.69	103
10	7.70	31.207	24.36	0.638	7.15	108
15	6.02	31.719	24.98	0.670	7.50	109
20	5.18	31.838	25.18	0.677	7.58	108
25	4.42	31.895	25.30	0.673	7.54	105
30	3.62	31.946	25.42	0.643	7.20	99
35	3.60	31.947	25.42	0.644	7.21	99

CRUISE BB 268 STATION 065

DATE 08/09/60 HR 0422 ZN 11 LAT 69-34N LONG 168-02W MARSQ 233
SDG 049M WSPD 12 DIR 220 WEA 02 SEA 2 BAR 14 CL 6 AMT 8
DRY 46.8 WET 46.2 RELHU 96 SCD 12 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	8.34	30.395	23.64	0.609	6.82	104
5	8.31	30.435	23.68	0.610	6.83	104
10	5.24	31.941	25.25	0.693	7.76	111
15	5.02	31.946	25.28	0.697	7.81	111
20	4.90	31.948	25.29	0.698	7.82	111
25	3.75	31.974	25.43	0.711	7.96	110
30	1.80	32.018	25.62	0.761	8.52	111
40	1.33	32.034	25.67	0.743	8.32	108
45	1.34	32.036	25.67	0.743	8.32	108

CRUISE BB 268 STATION 066

DATE 08/09/60 HR 0844 ZN 11 LAT 69-43N LONG 169-00W MARSQ 233
SDG 050M WSPD 05 DIR 200 WEA 02 SEA 2 BAR 15 CL X AMT 9
DRY 46.0 WET 45.1 RELHU 94 SCD 19 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	7.08	31.057	24.33	0.616	6.90	102	0.96	36
5	7.04	31.090	24.36	0.612	6.85	102	1.02	21
10	6.65	31.592	24.81	0.619	6.93	102	1.00	24
15	6.11	31.702	24.96	0.638	7.15	104	1.05	28
20	4.73	32.008	25.36	0.674	7.55	106	1.04	31
25	3.04	32.039	25.54	0.692	7.75	105	1.24	56
30	2.32	32.092	25.64	0.651	7.29	97	1.63	148
35	2.00	32.088	25.67	0.630	7.06	93	1.72	202
40	1.95	32.087	25.67	0.626	7.01	92	1.75	219
45	1.95	32.082	25.66	0.630	7.06	93	1.81	218

CRUISE BB 268 STATION 067

DATE 08/09/60 HR 1225 ZN 11 LAT 70-00N LONG 168-56W MARSQ 269
SDG 041M WSPD 04 DIR 350 WEA 02 SEA 2 BAR 15 CL X AMT 9
DRY 41.9 WET 41.4 RELHU 96 SCD 26 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	4.51	30.833	24.45	0.662	7.41	103
5	4.50	30.845	24.46	0.665	7.45	104
10	4.45	30.859	24.48	0.665	7.45	103
15	4.44	30.863	24.48	0.662	7.41	103
20	3.34	31.001	24.69	0.690	7.73	104
25	-1.29	32.494	26.04	0.815	9.13	110
30	-1.30	32.547	26.08	0.806	9.03	108
35	-1.32	32.553	26.08	0.808	9.05	109
38	-1.32	32.552	26.08	0.806	9.03	108

CRUISE BB 268 STATION 068

DATE 08/09/60 HR 1548 ZN 11 LAT 70-18N LONG 168-52W MARSQ 269
SDG 041M WSPD 06 DIR 060 WEA 61 SEA 2 BAR 13 CL X AMT 9
DRY 40.8 WET 40.7 RELHU 99 SCD 26 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	4.42	30.660	24.32	0.668	7.48	104	0.90	49
5	4.24	30.731	24.40	0.674	7.55	104	0.84	47
10	4.22	30.734	24.40	0.677	7.58	105	0.90	50
15	4.17	30.737	24.41	0.674	7.55	104	0.83	57
20	3.50	30.776	24.50	0.692	7.75	105	0.86	61
25	-1.24	32.235	25.83	0.917	10.27	123	1.36	122
30	-1.58	32.675	26.16	0.641	7.18	86	2.28	132
35	-1.64	32.738	26.21	0.558	6.25	74	2.33	383
40	-1.64	32.862	26.31	0.524	5.87	70	2.50	405

CRUISE BB 268 STATION 069

DATE 08/09/60 HR 0280 ZN 11 LAT 70-28N LONG 167-45W MARSQ 269
SDG 050M WSPD 02 DIR 100 WEA 46 SEA 2 BAR 11 CL X AMT 9
DRY 44.1 WET 43.9 RELHU 99 SCD 22 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	5.77	30.542	24.09	0.638	7.15	102	0.63	76
5	5.72	30.562	24.11	0.640	7.17	103	0.80	66
10	5.70	30.564	24.11	0.643	7.20	103	0.68	71
15	5.64	30.570	24.12	0.640	7.17	102	0.72	70
20	2.41	31.242	24.96	0.794	8.89	117	0.92	70
25	-1.03	32.440	26.01	0.771	8.64	104	1.12	124
30	-1.06	32.463	26.03	0.761	8.52	103	1.30	106
40	-1.14	32.486	26.04	0.724	8.11	98	1.24	124
48	-1.14	32.507	26.06	0.716	8.02	97	1.41	155

CRUISE BB 268 STATION 070

DATE 08/10/60 HR 0056 ZN 11 LAT 70-38N LONG 166-37W MARSQ 269
SDG 040M WSPD 04 DIR 070 WEA 47 SEA 2 BAR 11 CL X AMT 9
DRY 43.5 WET 43.2 RELHU 97 SCD 18 SPOB CUR VV GR CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	5.48	30.485	24.07	0.649	7.27	103
5	5.52	30.534	24.11	0.653	7.31	104
10	5.60	30.598	24.15	0.654	7.32	104
15	4.66	30.861	24.46	0.677	7.58	106
20	2.70	31.662	25.27	0.751	8.41	112
25	-0.64	32.214	25.85	0.879	9.84	120
30	-0.94	32.391	25.98	0.792	8.87	107
35	-0.94	32.416	26.00	0.788	8.83	107
38	-0.92	32.421	26.00	0.790	8.85	107

CRUISE BB 268 STATION 071

DATE 08/10/60 HR 0555 ZN 11 LAT 70-48N LONG 165-31W MARSQ 269
SDG 042M WSPD 02 DIR 020 WEA 45 SEA 1 BAR 11 CL X AMT 9
DRY 36.1 WET 35.8 RELHU 97 SCD 20 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	0.86	28.086	22.53	0.763	8.55	106	0.31	89
5	2.79	29.408	23.47	0.719	8.05	106	0.48	82
7	1.22	30.049	24.08	-.---	--.--		-.--	
8	3.52	30.390	24.19	-.---	--.--		-.--	
9	4.74	30.615	24.26	-.---	--.--		-.--	
10	4.94	30.731	24.33	0.658	7.37	103	0.49	59
11	4.90	30.695	24.30	-.---	--.--		-.--	
12	4.24	31.032	24.64	-.---	--.--		-.--	
13	3.59	31.381	24.97	-.---	--.--		-.--	
15	3.83	31.564	25.10	0.687	7.69	106	0.49	52
18	3.52	31.452	25.04	-.---	--.--		-.--	
20	3.60	31.698	25.22	0.689	7.72	106	0.49	44
25	3.34	31.826	25.35	0.700	7.84	107	0.54	49
30	2.34	32.150	25.69	0.731	8.19	109	0.65	56
35	-0.64	32.531	26.11	0.798	8.94	109	0.82	106
40	-0.61	32.540	26.11	0.791	8.86	108	1.09	

CRUISE BB 268 STATION 072

DATE 08/10/60 HR 1000 ZN 11 LAT 70-50N LONG 165-29W MARSQ 269
SDG 043M WSPD 03 DIR 360 WEA 47 SEA 1 BAR 12 CL X AMT 9
DRY 36.9 WET 36.7 RELHU 98 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	-1.18	26.829	21.51	0.769	8.61	100
5	-0.80	27.666	22.20	0.773	8.66	102
10	3.34	30.116	23.99	0.702	7.86	106
15	3.30	31.279	24.92	0.699	7.83	106
20	3.58	31.774	25.29	0.692	7.75	106
25	3.56	32.153	25.59	0.698	7.82	107
30	0.68	32.422	26.02	0.804	9.00	115
35	-0.88	32.636	26.18	0.737	8.25	100
38	-0.88	32.641	26.18	0.735	8.23	100

CRUISE BB 268 STATION 073

DATE 08/10/60 HR 1712 ZN 11 LAT 70-33N LONG 164-28W MARSQ 269
SDG 046M WSPD 08 DIR 080 WEA 61 SEA 1 BAR 9 CL 0 AMT 8
DRY 40.3 WET 40.3 RELHU 99 SCD 15 SPOB CUR VV GR PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	1.49	28.152	22.55	0.745	8.34	105	0.75	
5	0.52	28.851	23.16	0.764	8.56	106	0.66	97
10	2.95	30.333	24.19	0.729	8.16	109	0.66	59
15	4.20	31.530	25.03	0.694	7.77	108	0.80	
20	4.50	31.898	25.30	0.677	7.58	106	0.95	63
25	2.98	32.089	25.59	0.714	8.00	108	0.97	57
30	0.62	32.341	25.95	0.698	7.82	99	1.07	56
40	0.25	32.481	26.09	0.669	7.49	94	1.16	87
43	0.24	32.489	26.09	0.668	7.48	94	1.27	80

CRUISE BB 268 STATION 074

DATE 08/10/60 HR 2301 ZN 11 LAT 70-18N LONG 163-33W MARSQ 269
SDG 030M WSPD 16 DIR 240 WEA 60 SEA 2 BAR 10 CL X AMT 9
DRY 44.8 WET 44.6 RELHU 99 SCD 12 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	5.84	30.857	24.33	0.641	7.18	103
5	5.86	30.885	24.35	0.638	7.15	103
10	5.85	30.985	24.43	0.639	7.16	103
15	5.72	31.461	24.82	0.638	7.15	103
20	6.18	31.919	25.12	0.632	7.08	103
25	4.09	32.208	25.58	0.620	6.94	96
28	4.02	32.206	25.59	0.620	6.94	96

CRUISE BB 268 STATION 075

DATE 08/11/60 HR 0353 ZN 11 LAT 70-04N LONG 162-46W MARSQ 269
SDG 015M WSPD 06 DIR 250 WEA 50 SEA 2 BAR 12 CL X AMT 9
DRY 45.9 WET 45.7 RELHU 99 SCD 04 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	7.00	32.064	25.13	0.602	6.74	101	1.44	184
5	6.96	32.068	25.14	0.601	6.73	100	1.39	
10	6.82	32.097	25.18	0.602	6.74	100	1.39	202
14	6.79	32.094	25.18	0.602	6.74	100	1.36	202

CRUISE BB 268 STATION 076

DATE 08/11/60 HR 1515 ZN 11 LAT 69-51N LONG 165-04W MARSQ 233
SDG 033M WSPD 11 DIR 020 WEA 02 SEA 2 BAR 19 CL 0 AMT 7
DRY 43.9 WET 42.8 RELHU 92 SCD 20 SPOB CUR VV PRDD CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	7.70	31.049	24.24	0.612	6.85	103	0.97	59
5	7.70	31.046	24.24	0.612	6.85	103	0.93	59
10	7.67	31.057	24.25	0.618	6.92	104	0.84	63
15	7.33	31.177	24.39	0.631	7.07	106	0.70	57
20	6.79	31.224	24.50	0.634	7.10	105	0.94	73
25	3.26	31.689	25.25	0.668	7.48	101	0.96	110
30	2.76	31.772	25.36	0.647	7.25	97	1.34	150
33	2.74	31.772	25.36	0.650	7.28	97	1.25	157

CRUISE 2B 268 STATION 077

DATE 08/11/60 HR 2207 ZN 11 LAT 69-47N LONG 166-59W MARSQ 233
SDG 046M WSPD 20 DIR 060 WEA ** SEA 3 BAR 21 CL * AMT *
DRY 44.2 WET 42.9 RELHU 91 SCD 15 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.15	30.006	23.22	0.594	6.65	103
5	9.15	30.003	23.21	0.591	6.62	102
10	9.07	30.105	23.31	0.594	6.65	103
15	5.73	31.834	25.11	0.675	7.56	109
20	4.60	31.898	25.29	0.688	7.71	108
25	4.06	31.911	25.35	0.646	7.24	100
30	4.02	31.909	25.35	0.645	7.22	100
35	4.02	31.907	25.35	0.642	7.19	100
40	4.04	31.909	25.35	0.645	7.22	100
43	4.04	31.909	25.35	0.642	7.19	100

CRUISE BB 268 STATION 078

DATE 08/15/60 HR 0920 ZN 11 LAT 66-43N LONG 162-31W MARSQ 233
SDG 010M WSPD 22 DIR 040 WEA 46 SEA 2 BAR 98 CL 0 AMT 8
DRY 44.4 WET 43.3 RELHU 92 SCD 08 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	13.22	22.650	16.86	0.583	6.53	105
5	12.41	24.974	18.79	0.617	6.91	111
8	3.15	30.683	24.46	0.766	8.58	115

CRUISE BB 268 STATION 079

DATE 08/15/60 HR 1402 ZN 11 LAT 66-28N LONG 162-36W MARSQ 233
SDG 013M WSPD 12 DIR 050 WEA 51 SEA 2 BAR 97 CL 0 AMT 7
DRY 52.3 WET 48.4 RELHU 75 SCD 10 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	12.64	20.838	15.56	0.588	6.59	104
5	5.72	27.816	21.95	0.719	8.05	113
10	4.40	31.106	24.68	0.687	7.69	107
13	4.42	31.099	24.67	0.682	7.64	106

CRUISE BB 268 STATION 080

DATE 08/15/60 HR 1745 ZN 11 LAT 66-07N LONG 162-42W MARSQ 233
SDG 009M WSPD 10 DIR 020 WEA 50 SEA 2 BAR 96 CL 0 AMT 8
DRY 49.3 WET 46.2 RELHU 80 SCD 09 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	9.48	26.091	20.12	0.641	7.18	109
5	4.14	29.524	23.45	0.808	9.05	124
7	2.86	30.390	24.25	0.813	9.11	121

CRUISE BB 268 STATION 081

DATE 08/15/60 HR 2150 ZN 11 LAT 66-15N LONG 163-38W MARSQ 233
SDG 010M WSPD 03 DIR 050 WEA 02 SEA 2 BAR 96 CL 6 AMT 6
DRY 50.0 WET 44.6 RELHU 66 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	13.48	24.529	18.25	0.553	6.19	102
5	13.39	28.212	21.10	0.597	6.69	112
8	9.65	29.913	23.07	0.619	6.93	108

CRUISE BB 268 STATION 082

DATE 08/15/60 HR 2328 ZN 11 LAT 66-24N LONG 163-34W MARSQ 233
SDG 010M WSPD 14 DIR 150 WEA 02 SEA 2 BAR 69 CL 2 AMT 6
DRY 48.0 WET 44.6 RELHU 77 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	12.98	24.851	18.59	0.560	6.27	102
5	12.72	30.219	22.77	0.563	6.31	106
8	12.55	30.264	22.84	0.563	6.31	105

CRUISE BB 268 STATION 083

DATE 08/16/60 HR 0340 ZN 11 LAT 66-14N LONG 162-43W MARSQ 233
SDG 012M WSPD 02 DIR 150 WEA 61 SEA 2 BAR 96 CL 6 AMT 8
DRY 44.2 WET 44.1 RELHU 99 SCD 12 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	13.28	20.325	15.06	0.566	6.34	101
5	7.08	27.484	21.53	0.696	7.80	113
10	1.04	30.829	24.72	0.776	8.69	110

CRUISE BB 268 STATION 084

DATE 08/16/60 HR 0743 ZN 11 LAT 66-06N LONG 161-50W MARSQ 233
SDG 006M WSPD 06 DIR 040 WEA 02 SEA 2 BAR 96 CL 0 AMT 8
DRY 43.2 WET 42.8 RELHU 97 SCD 07 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	4.97	28.118	22.26	0.757	8.48	117
5	1.93	30.200	24.16	0.856	9.59	124

CRUISE BB 268 STATION 085

DATE 08/16/60 HR 0935 ZN 11 LAT 66-15N LONG 161-46W MARSQ 233
SDG 006M WSPD 14 DIR 020 WEA 46 SEA 2 BAR 97 CL 0 AMT 8
DRY 46.8 WET 45.7 RELHU 92 SCD 06 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	9.82	22.901	17.60	0.625	7.00	105
5	5.78	26.905	21.22	0.776	8.69	121

CRUISE BB 268 STATION 086

DATE 08/16/60 HR 1212 ZN 11 LAT 66-22N LONG 161-57W MARSQ 233
SDG 009M WSPD 10 DIR 010 WEA 60 SEA 2 BAR 97 CL 0 AMT 8
DRY 48.0 WET 46.2 RELHU 87 SCD 06 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	10.44	23.733	18.15	0.622	6.97	106
4	1.83	29.690	23.76	0.791	8.86	114
8	-0.06	32.152	25.83	0.864	9.68	120

CRUISE 2B 268 STATION 087

DATE 08/16/60 HR 1715 ZN 11 LAT 66-34N LONG 163-12W MARSQ 233
SDG 022M WSPD ** DIR WEA 15 SEA 2 BAR CL 6 AMT 8
DRY 51.8 WET 41.6 RELHU 80 SCD 10 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	12.78	25.280	18.96	0.556	6.23	101
5	12.20	30.703	23.24	0.559	6.26	104
10	11.66	31.031	23.60	0.566	6.34	104
15	10.41	31.182	23.93	0.575	6.44	103
20	6.73	31.397	24.64	0.623	6.98	103
22	6.55	31.408	24.67	0.625	7.00	103

CRUISE BB 268 STATION 088

DATE 08/16/60 HR 2015 ZN 11 LAT 66-39N LONG 163-46W MARSQ 233
SDG 021M WSPD 12 DIR 360 WEA 01 SEA 2 BAR 99 CL 6 AMT 8
DRY 49.5 WET 46.2 RELHU 79 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	12.22	30.983	23.46	0.537	6.01	100
5	12.22	30.984	23.46	0.539	6.04	101
10	12.22	30.984	23.46	0.540	6.05	101
15	12.21	30.980	23.46	0.539	6.04	101
20	12.22	30.983	23.46	0.539	6.04	101

CRUISE 2B 268 STATION 089

DATE 08/16/60 HR 2240 ZN 11 LAT 66-51N LONG 163-42W MARSQ 233
SDG 020M WSPD 10 DIR 020 WEA 02 SEA 2 BAR 99 CL 6 AMT 7
DRY 50.9 WET 48.6 RELHU 84 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	11.73	29.785	22.62	0.553	6.19	101
5	11.96	30.227	22.92	0.553	6.19	102
10	11.72	30.928	23.51	0.550	6.16	101
15	10.56	31.109	23.85	0.558	6.25	101
18	9.66	31.185	24.06	0.557	6.24	98

CRUISE BB 268 STATION 090

DATE 08/17/60 HR 0158 ZN 11 LAT 67-03N LONG 163-38W MARSQ 233
SDG 013M WSPD 12 DIR 050 WEA 03 SEA 2 BAR 0 CL 6 AMT 7
DRY 48.9 WET 45.9 RELHU 91 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	12.67	19.801	14.76	0.570	6.38	100
5	10.70	29.657	22.70	0.573	6.42	103
10	6.04	31.115	24.51	0.618	6.92	100

CRUISE BB 268 STATION 091

DATE 08/17/60 HR 0610 ZN 11 LAT 67-03N LONG 163-38W MARSQ 233
SDG 013M WSPD 20 DIR 060 WEA 51 SEA 2 BAR 1 CL 6 AMT 8
DRY 51.0 WET 49.5 RELHU 90 SCD SPOB ***

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	12.86	17.663	13.09	0.576	6.45	100
5	12.14	23.989	18.07	0.574	6.43	102
10	5.99	31.106	24.51	0.618	6.92	100

CRUISE BB 268 STATION 092

DATE 08/17/60 HR 0920 ZN 11 LAT 67-03N LONG 163-38W MARSQ 233
SDG 013M WSPD 24 DIR 090 WEA 02 SEA 2 BAR 2 CL 6 AMT 8
DRY 53.8 WET 50.0 RELHU 77 SCD 04 SPOB * PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	12.95	17.902	13.25	0.571	6.40	99
5	12.80	18.694	13.89	0.569	6.37	99
10	6.16	30.989	24.39	0.606	6.79	98

CRUISE BB 268 STATION 093

DATE 08/17/60 HR 1413 ZN 11 LAT 67-03N LONG 163-38W MARSQ 233
SDG 013M WSPD 18 DIR 110 WEA 02 SEA 2 BAR 4 CL 6 AMT 6
DRY 56.7 WET 52.9 RELHU 79 SCD 03 SPOB * PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	ML/L	SATN.
0	12.82	17.311	12.82	0.584	6.54	101
5	12.91	18.136	13.44	0.575	6.44	100
10	7.04	30.776	24.12	0.592	6.63	98

CRUISE BB 268 STATION 094

DATE 08/17/60 HR 1818 ZN 11 LAT 67-03N LONG 163-38W MARSQ 233
SDG 013M WSPD 02 DIR 330 WEA 02 SEA 1 BAR 5 CL 6 AMT 6
DRY 57.4 WET 55.4 RELHU 89 SCD 03 SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	12.92	17.073	12.62	0.583	6.53	101
5	12.94	17.835	13.20	0.573	6.42	100
10	7.35	30.917	24.19	0.591	6.62	99

CRUISE BB 268 STATION 095

DATE 08/17/60 HR 2248 ZN 11 LAT 67-03N LONG 163-38W MARSQ 233
SDG 013M WSPD 06 DIR 320 WEA 01 SEA 2 BAR 5 CL 6 AMT 2
DRY 53.8 WET 51.9 RELHU 89 SCD ** SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	13.02	16.763	12.37	0.579	6.48	100
5	12.34	19.701	14.74	0.564	6.32	98
10	6.54	30.856	24.24	0.595	6.66	98

CRUISE BB 268 STATION 096

DATE 08/18/60 HR 0229 ZN 11 LAT 67-03N LONG 163-38W MARSQ 233
SDG 013M WSPD 03 DIR 320 WEA 03 SEA 1 BAR 6 CL 6 AMT 6
DRY 55.4 WET 53.8 RELHU 90 SCD 03 SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	12.92	16.472	12.16	0.581	6.51	100
5	12.57	19.289	14.38	0.568	6.36	99
10	6.56	30.943	24.31	0.589	6.60	97

CRUISE BB 268 STATION 097

DATE 08/18/60 HR 1757 ZN 11 LAT 67-44N LONG 164-40W MARSQ 233
SDG 013M WSPD 12 DIR 020 WEA 02 SEA 2 BAR 5 CL 1 AMT 2
DRY 54.7 WET 51.8 RELHU 83 SCD 08 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.92	27.572	21.05	0.571	6.40	101
5	10.28	30.613	23.51	0.574	6.43	103
10	9.95	30.924	23.81	0.580	6.50	103
12	9.92	30.941	23.82	0.579	6.48	103

CRUISE BB 268 STATION 098

DATE 08/19/60 HR 0822 ZN 11 LAT 67-30N LONG 165-52W MARSQ 233
SDG 040M WSPD 04 DIR 330 WEA 02 SEA 1 BAR 9 CL 1 AMT 1
DRY 48.9 WET 44.1 RELHU 68 SCD 06 SPOB CUR VV GR PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.68	31.746	24.92	0.648	7.26	107
5	6.64	31.748	24.93	0.650	7.28	107
10	6.90	31.793	24.93	0.666	7.46	111
15	5.05	31.858	25.21	0.653	7.31	104
20	4.92	31.897	25.25	0.654	7.32	104
25	4.84	31.897	25.26	0.645	7.22	102
30	4.83	31.898	25.26	0.645	7.22	102
35	4.81	31.902	25.27	0.643	7.20	102
38	4.75	31.906	25.28	0.636	7.12	100

CRUISE BB 268 STATION 099

DATE 08/19/60 HR 1355 ZN 11 LAT 67-30N LONG 165-50W MARSQ 233
SDG 040M WSPD 09 DIR 330 WEA 02 SEA 1 BAR 11 CL 1 AMT 1
DRY 46.0 WET 44.6 RELHU 90 SCD 06 SPOB CUR PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	7.17	31.743	24.86	0.658	7.37	110	0.92	63
5	7.13	31.743	24.86	0.661	7.40	111	1.01	66
10	5.23	31.843	25.17	0.643	7.20	103	1.26	97
15	5.07	31.857	25.20	0.634	7.10	101	1.29	111
20	4.98	31.860	25.21	0.640	7.17	102	1.43	113
25	4.90	31.869	25.23	0.641	7.18	102	1.33	113
30	4.85	31.871	25.24	0.640	7.17	101	1.42	109
38	4.82	31.873	25.24	0.640	7.17	101	1.50	134

CRUISE BB 268 STATION 100

DATE 08/19/60 HR 1819 ZN 11 LAT 67-31N LONG 165-49W MARSQ 233
SDG 040M WSPD ** DIR *** WEA 02 SEA 1 BAR CL 1 AMT 2
DRY 61.3 WET 53.2 RELHU 58 SCD 06 SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.80	31.778	24.93	-.---	--.--	
5	6.77	31.774	24.93	0.658	7.37	109
10	5.73	31.822	25.10	0.684	7.66	111
15	5.06	31.858	25.20	0.628	7.03	100
20	4.88	31.872	25.24	0.639	7.16	101
25	4.67	31.911	25.29	0.670	7.50	106
30	4.28	31.937	25.35	-.---	--.--	
38	4.22	31.943	25.36	-.---	--.--	

CRUISE BB 268 STATION 101

DATE 08/19/60 HR 2246 ZN 11 LAT 67-33N LONG 165-47W MARSQ 233
SDG 043M WSPD 06 DIR 320 WEA 02 SEA 1 BAR 14 CL 1 AMT 2
DRY 44.4 WET 43.7 RELHU 95 SCD 05 SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.84	31.747	24.90	0.645	7.22	107
5	6.84	31.751	24.91	0.647	7.25	107
10	5.40	31.832	25.15	0.639	7.16	103
15	5.18	31.848	25.18	0.625	7.00	100
20	5.04	31.859	25.21	0.626	7.01	100
25	4.96	31.865	25.22	0.638	7.15	101
30	4.86	31.884	25.25	0.633	7.09	100
35	4.84	31.896	25.26	0.639	7.16	101
40	4.80	31.904	25.27	0.618	6.92	98

CRUISE BB 268 STATION 102

DATE 08/20/60 HR 0231 ZN 11 LAT 67-34N LONG 165-46W MARSQ 233
SDG 043M WSPD 10 DIR 320 WEA 02 SEA 1 BAR 15 CL 1 AMT 1
DRY 43.5 WET 43.0 RELHU 96 SCD 04 SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.55	31.762	24.95	0.649	7.27	107
5	6.52	31.762	24.96	0.647	7.25	107
10	5.42	31.821	25.14	0.645	7.22	104
15	5.18	31.847	25.18	0.622	6.97	99
20	5.12	31.854	25.19	0.625	7.00	100
25	4.96	31.867	25.22	0.643	7.20	102
30	4.84	31.892	25.26	0.639	7.16	101
38	4.80	31.895	25.26	0.626	7.01	99

CRUISE BB 268 STATION 103

DATE 08/20/60 HR 0715 ZN 11 LAT 67-36N LONG 165-44W MARSQ 233
SDG 042M WSPD 08 DIR 030 WEA 02 SEA 2 BAR 17 CL 3 AMT 2
DRY 47.8 WET 46.0 RELHU 88 SCD 08 SPOB CUR PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.54	31.757	24.95	0.653	7.31	108
5	6.54	31.759	24.95	0.651	7.29	107
10	6.40	31.763	24.97	0.655	7.34	108
15	5.21	31.840	25.17	0.640	7.17	102
20	5.06	31.858	25.20	0.633	7.09	101
25	5.00	31.860	25.21	0.635	7.11	101
30	4.88	31.881	25.24	0.634	7.10	100
40	4.71	31.918	25.29	0.638	7.15	101

CRUISE BB 268 STATION 104

DATE 08/20/60 HR 1125 ZN 11 LAT 67-36N LONG 165-41W MARSQ 233
SDG 040M WSPD 09 DIR 300 WEA 02 SEA 2 BAR 17 CL 3 AMT 1
DRY 44.2 WET 43.2 RELHU 92 SCD 08 SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.24	31.823	25.04	0.662	7.41	108
5	6.28	31.812	25.03	0.662	7.41	109
10	5.97	31.840	25.09	0.668	7.48	109
15	5.52	31.820	25.12	0.648	7.26	104
20	5.24	31.840	25.17	0.625	7.00	100
25	5.12	31.863	25.20	0.626	7.01	100
30	5.02	31.873	25.22	0.628	7.03	100
35	4.82	31.889	25.26	0.640	7.17	101
38	4.66	31.900	25.28	0.642	7.19	101

CRUISE BB 268 STATION 105

DATE 08/20/60 HR 1528 ZN 11 LAT 67-39N LONG 165-44W MARSQ 233
SDG 042M WSPD 09 DIR 300 WEA 02 SEA 1 BAR 17 CL 2 AMT 1
DRY 47.3 WET 46.2 RELHU 92 SCD 06 SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	6.96	31.758	24.90	0.656	7.35	109	0.86	54
5	6.84	31.760	24.91	0.658	7.37	109	0.86	71
10	5.72	31.812	25.09	0.672	7.53	109	0.93	78
15	5.28	31.839	25.17	0.634	7.10	101	1.23	125
20	5.12	31.860	25.20	0.634	7.10	101	1.26	125
25	5.04	31.862	25.21	0.637	7.13	101	1.17	122
30	4.94	31.872	25.23	0.639	7.16	101	1.34	125
35	4.88	31.914	25.27	0.636	7.12	101	1.32	144
40	4.91	31.936	25.28	0.632	7.08	100	1.52	155

CRUISE BB 268 STATION 106

DATE 08/20/60 HR 1929 ZN 11 LAT 67-39N LONG 165-44W MARSQ 233
SDG 042M WSPD 07 DIR 280 WEA 02 SEA 1 BAR 17 CL 1 AMT 1
DRY 51.8 WET 48.4 RELHU 79 SCD 06 SPOB CUR PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.83	--.---	--.--	0.663	7.43	
5	6.74	31.775	24.94	0.667	7.47	110
10	6.09	31.803	25.04	0.668	7.48	109
15	5.43	31.833	25.14	0.634	7.10	102
20	5.30	31.841	25.16	0.630	7.06	101
25	5.26	31.841	25.17	0.638	7.15	102
30	5.12	31.853	25.19	0.646	7.24	103
40	4.90	31.918	25.27	0.627	7.02	99

CRUISE BB 268 STATION 107

DATE 08/20/60 HR 2330 ZN 11 LAT 67-41N LONG 165-46W MARSQ 233
SDG 043M WSPD 04 DIR 330 WEA 02 SEA 1 BAR 15 CL 1 AMT 1
DRY 48.6 WET 48.2 RELHU 98 SCD ** SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.71	30.920	23.84	0.592	6.63	105
5	8.52	31.072	24.14	0.602	6.74	104
10	5.96	31.804	25.06	0.682	7.64	111
15	5.34	31.837	25.16	0.624	6.99	100
20	5.28	31.842	25.17	0.627	7.02	100
25	5.15	31.857	25.19	0.637	7.13	102
30	5.08	31.857	25.20	0.640	7.17	102
35	4.94	31.926	25.27	0.629	7.04	100
40	4.94	31.945	25.29	0.630	7.06	100

CRUISE BB 268 STATION 108

DATE 08/21/60 HR 0355 ZN 11 LAT 67-42N LONG 165-50W MARSQ 233
SDG 042M WSPD 04 DIR 360 WEA 02 SEA 1 BAR 14 CL 1 AMT 1
DRY **.* WET **.* RELHU ** SCD 08 SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.20	31.026	24.00	0.595	6.66	104
5	6.70	31.758	24.93	0.657	7.36	109
10	5.55	31.824	25.12	0.678	7.59	109
15	5.34	31.861	25.18	0.689	7.72	110
20	4.90	31.866	25.23	0.636	7.12	101
25	4.86	31.885	25.25	0.640	7.17	101
30	4.76	31.900	25.27	0.646	7.24	102
35	4.85	31.925	25.28	0.633	7.09	100
40	4.80	31.930	25.29	0.633	7.09	100

CRUISE BB 268 STATION 109

DATE 08/21/60 HR 0743 ZN 11 LAT 67-42N LONG 165-50W MARSQ 233
SDG 042M WSPD 06 DIR 070 WEA 02 SEA 1 BAR 11 CL 6 AMT 8
DRY 50.5 WET 49.3 RELHU 91 SCD ** SPOB CUR CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.18	31.714	24.83	0.656	7.35	110
5	6.60	31.784	24.96	0.664	7.44	110
10	5.92	31.838	25.09	0.675	7.56	110
15	5.38	31.830	25.15	0.630	7.06	101
20	5.33	31.841	25.16	0.633	7.09	101
25	5.16	31.857	25.19	0.634	7.10	101
30	4.88	31.891	25.25	0.632	7.08	100
35	4.93	31.927	25.27	0.629	7.04	100
40	4.92	31.938	25.28	0.629	7.04	100

CRUISE BB 268 STATION 110

DATE 08/21/60 HR 0933 ZN 11 LAT 67-44N LONG 165-52W MARSQ 233
SDG 041M WSPD 03 DIR 370 WEA 02 SEA 1 BAR 11 CL 6 AMT 8
DRY 51.8 WET 49.6 RELHU 86 SCD ** SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	8.90	31.244	24.22	0.610	6.83	106	0.82	84
5	6.70	31.755	24.93	0.663	7.43	110	0.91	57
10	5.64	31.833	25.12	0.694	7.77	112	0.92	54
15	5.08	31.856	25.20	0.634	7.10	101	1.22	120
20	4.98	31.871	25.22	0.629	7.04	100	1.37	132
25	4.89	31.877	25.24	0.641	7.18	102	1.18	118
30	4.84	31.892	25.26	0.642	7.19	102	1.20	127
35	4.86	31.927	25.28	0.636	7.12	101	1.34	139
40	4.90	31.947	25.29	0.628	7.03	100	1.47	157

CRUISE BB 268 STATION 111

DATE 08/21/60 HR 1010 ZN 11 LAT 67-44N LONG 165-49W MARSQ 233
SDG 042M WSPD 02 DIR 090 WEA 02 SEA 1 BAR 11 CL 6 AMT 8

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	8.94	31.299	24.26	0.607	6.80	106	0.75	78
5	6.38	31.792	25.00	0.668	7.48	110	0.85	61
10	5.84	31.841	25.10	0.679	7.60	110	0.85	64
15	5.56	31.856	25.15	0.669	7.49	108	0.87	19
20	5.14	31.871	25.21	0.645	7.22	103	1.17	97
25	5.24	31.895	25.21	0.663	7.43	106	0.99	73
30	5.04	31.902	25.24	0.637	7.13	101	1.30	134
35	5.16	31.943	25.26	0.637	7.13	102	1.13	151
40	5.16	31.958	25.27	0.638	7.15	102	1.05	153

CRUISE BB 268 STATION 112

DATE 08/21/60 HR 1138 ZN 11 LAT 67-44N LONG 165-52W MARSQ 233
SDG 041M WSPD 00 DIR WEA 02 SEA 1 BAR 10 CL 6 AMT 8
DRY 54.0 WET 51.5 RELHU 85 SCD ** SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	9.44	31.193	24.10	0.647	7.25	114	0.90	96
5	6.64	31.773	24.95	0.669	7.49	111	0.73	56
10	5.76	31.830	25.10	0.666	7.46	108	0.82	78
15	5.34	31.830	25.15	0.632	7.08	101	1.09	122
20	5.29	--.---	--.--	0.630	7.06		1.14	122
25	5.24	31.846	25.18	0.633	7.09	101	1.07	108
30	5.00	31.884	25.23	0.637	7.13	101	1.16	116
35	5.12	31.942	25.26	0.637	7.13	102	1.07	146
40	5.12	31.941	25.26	0.638	7.15	102	1.07	150

CRUISE BB 268 STATION 113

DATE 08/21/60 HR 1538 ZN 11 LAT 67-46N LONG 165-54W MARSQ 233
SDG 041M WSPD ** DIR WEA 02 SEA 1 BAR 6 CL 1 AMT 1
DRY 68.4 WET 59.4 RELHU 86 SCD 07 SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.48	31.318	24.19	0.605	6.78	107
5	6.69	31.765	24.94	0.667	7.47	110
10	5.58	31.820	25.12	0.654	7.32	105
15	5.30	31.833	25.16	0.625	7.00	100
20	5.22	31.846	25.18	0.628	7.03	100
25	5.12	31.878	25.21	0.646	7.24	103
30	5.15	31.932	25.25	0.634	7.10	101
35	5.16	31.936	25.26	0.629	7.04	100
40	5.14	31.940	25.26	0.631	7.07	101

CRUISE BB 268 STATION 114

DATE 08/21/60 HR 2036 ZN 11 LAT 67-47N LONG 165-55W MARSQ 233
SDG 043M WSPD 05 DIR 330 WEA 02 SEA 1 BAR 6 CL 1 AMT 1
DRY 52.9 WET 51.4 RELHU 91 SCD ** SPOB CUR CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.66	31.292	24.14	0.591	6.62	105
5	7.72	31.639	24.70	0.649	7.27	110
10	6.17	31.823	25.05	0.675	7.56	110
15	5.66	31.838	25.12	0.662	7.41	107
20	5.38	31.847	25.16	0.657	7.36	105
25	5.14	31.897	25.23	0.634	7.10	101
30	5.17	31.930	25.25	0.627	7.02	100
35	5.18	31.930	25.25	0.632	7.08	101
40	5.17	31.933	25.25	0.629	7.04	100

CRUISE BB 268 STATION 115

DATE 08/22/60 HR 0146 ZN 11 LAT 67-49N LONG 166-00W MARSQ 233
SDG 051M WSPD 04 DIR 050 WEA 02 SEA 1 BAR 7 CL 1 AMT 1
DRY 48.2 WET 47.1 RELHU 93 SCD ** SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.08	31.078	23.90	0.582	6.52	104
5	6.80	31.739	24.90	0.652	7.30	108
10	5.92	31.811	25.07	0.682	7.64	111
15	5.56	31.832	25.13	0.645	7.22	104
20	5.49	31.829	25.13	0.641	7.18	103
25	5.38	31.840	25.15	0.649	7.27	104
30	5.25	31.875	25.20	0.654	7.32	104
35	5.16	31.920	25.24	0.636	7.12	101
40	5.24	31.945	25.25	0.628	7.03	100
49	5.27	31.944	25.25	0.628	7.03	100

CRUISE BB 268 STATION 116

DATE 08/22/60 HR 0635 ZN 11 LAT 67-51N LONG 166-04W MARSQ 233
SDG 051M WSPD 04 DIR 030 WEA 02 SEA 0 BAR 6 CL 3 AMT 2
DRY 53.6 WET 51.1 RELHU 85 SCD 08 SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	8.18	31.559	24.57	0.626	7.01	107
5	6.80	31.749	24.91	0.667	7.47	111
10	6.18	31.821	25.05	0.677	7.58	111
15	5.76	31.836	25.11	0.663	7.43	107
20	5.41	31.832	25.15	0.626	7.01	100
25	5.14	31.859	25.20	0.631	7.07	101
30	5.24	31.941	25.25	0.631	7.07	101
40	5.24	31.945	25.25	0.627	7.02	100
50	5.21	31.950	25.26	0.628	7.03	100

CRUISE BB 268 STATION 117

DATE 08/22/60 HR 1119 ZN 11 LAT 67-52N LONG 166-09W MARSQ 233
SDG 048M WSPD 00 DIR WEA 02 SEA 1 BAR 7 CL 1 AMT 1
DRY 50.2 WET 48.5 RELHU 89 SCD 07 SPOB CUR VV PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.
0	10.07	31.210	24.01	0.588	6.59	105	0.75
5	6.63	31.778	24.96	0.681	7.63	113	0.67
10	6.00	31.837	25.08	0.679	7.60	111	0.77
15	5.59	31.830	25.12	0.649	7.27	105	0.78
20	5.36	31.834	25.15	0.627	7.02	100	1.09
25	5.15	31.856	25.19	0.633	7.09	101	1.02
30	5.25	31.946	25.25	0.633	7.09	101	1.11
35	5.24	31.954	25.26	0.636	7.12	102	1.15
40	5.24	31.952	25.26	0.632	7.08	101	1.10
45	5.26	31.955	25.26	0.635	7.11	102	1.04

CRUISE BB 268 STATION 118

DATE 08/22/60 HR 1538 ZN 11 LAT 67-54N LONG 166-15W MARSQ 233
SDG 047M WSPD 09 DIR 270 WEA 02 SEA 1 BAR 6 CL 1 AMT 1
DRY 52.5 WET 48.2 RELHU 73 SCD 07 SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	8.62	31.537	24.49	0.633	7.09	110	0.85	118
5	6.47	31.794	24.99	0.680	7.62	112	0.84	61
10	5.59	31.822	25.12	0.658	7.37	106	0.92	63
15	5.25	31.838	25.17	0.636	7.12	102	1.17	99
20	5.24	31.857	25.18	0.642	7.19	103	1.19	116
25	5.29	31.921	25.23	0.645	7.22	103	1.18	104
30	5.30	31.944	25.25	0.640	7.17	102	1.18	137
35	5.29	31.945	25.25	0.638	7.15	102	1.24	162
40	5.28	31.948	25.25	0.634	7.10	101	1.16	172
45	5.31	31.947	25.25	0.637	7.13	102	1.23	150

CRUISE BB 268 STATION 119

DATE 08/22/60 HR 1634 ZN 11 LAT 67-55N LONG 166-13W MARSQ 233
SDG 048M WSPD 04 DIR 270 WEA 02 SEA 1 BAR 6 CL 1 AMT 1
DRY 51.8 WET 48.6 RELHU 80 SCD 09 SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	10.32	31.240	23.99	0.592	6.63	106	0.84	75
5	9.46	31.394	24.25	0.607	6.80	107	0.92	87
10	5.95	31.823	25.07	0.685	7.67	111	0.89	78
15	5.50	31.855	25.15	0.639	7.16	103	0.95	103
20	5.49	31.909	25.20	0.641	7.18	103	1.15	111
25	5.48	31.919	25.21	0.641	7.18	103	1.12	116
30	5.48	31.924	25.21	0.640	7.17	103	1.15	120
35	5.48	--.---	--.--	-.---	--.--		-.--	
40	5.47	31.926	25.21	0.640	7.17	103	1.12	116
45	5.46	31.926	25.21	0.637	7.13	102	-.--	371

CRUISE BB 268 STATION 120

DATE 08/22/60 HR 1720 ZN 11 LAT 67-53N LONG 166-17W MARSQ 233
SDG 053M WSPD 05 DIR 270 WEA 47 SEA 1 BAR 7 CL X AMT 9
DRY 46.4 WET 44.8 RELHU 90 SCD 07 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	8.21	31.652	24.64	0.637	7.13	109	0.77	68
5	6.53	31.771	24.96	0.675	7.56	111	0.83	52
10	5.71	31.828	25.11	0.670	7.50	108	0.92	73
15	5.36	31.826	25.15	0.632	7.08	101	1.12	106
20	5.18	31.845	25.18	0.630	7.06	100	1.13	116
25	5.14	31.932	25.25	0.632	7.08	101	1.23	137
30	5.24	31.950	25.26	0.632	7.08	101	1.20	143
35	5.24	31.952	25.26	0.630	7.06	101	1.21	139
40	5.24	31.958	25.26	0.630	7.06	101	1.21	143
50	5.26	31.953	25.26	0.628	7.03	100	1.26	143

CRUISE BB 268 STATION 121

DATE 08/22/60 HR 1942 ZN 11 LAT 67-56N LONG 166-20W MARSQ 233
SDG 048M WSPD 06 DIR 250 WEA 42 SEA 1 BAR 7 CL X AMT 0
DRY 46.8 WET 46.4 RELHU 97 SCD 08 SPOB CUR PRDD CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.68	30.979	23.73	0.584	6.54	105
5	6.54	31.808	24.99	0.662	7.41	109
10	5.68	31.832	25.11	0.659	7.38	106
15	5.31	31.842	25.16	0.630	7.06	101
20	5.25	31.889	25.21	0.630	7.06	101
25	5.34	31.918	25.22	0.630	7.06	101
30	5.37	31.928	25.23	0.630	7.06	101
35	5.37	31.934	25.23	0.626	7.01	100
40	5.36	31.937	25.23	0.627	7.02	100
45	5.39	31.932	25.23	0.629	7.04	101

CRUISE BB 268 STATION 122

DATE 08/22/60 HR 2342 ZN 11 LAT 67-57N LONG 166-27W MARSQ 233
SDG 047M WSPD 08 DIR 290 WEA 02 SEA 1 BAR 7 CL 1 AMT 1
DRY 46.0 WET 45.7 RELHU 97 SCD ** SPOB CUR PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.70	30.742	23.54	0.571	6.40	103
5	7.11	31.726	24.85	0.642	7.19	107
10	5.86	31.818	25.08	0.672	7.53	109
15	5.48	31.869	25.17	0.644	7.21	104
20	5.46	31.906	25.20	0.629	7.04	101
25	5.48	31.915	25.20	0.632	7.08	102
30	5.46	31.918	25.21	0.632	7.08	102
35	5.46	31.919	25.21	0.632	7.08	102
40	5.46	31.918	25.21	0.629	7.04	102
45	5.48	31.923	25.21	0.629	7.04	101

CRUISE BB 268 STATION 123

DATE 08/23/60 HR 0355 ZN 11 LAT 67-59N LONG 166-33W MARSQ 233
SDG 047M WSPD 09 DIR 270 WEA 02 SEA 1 BAR 8 CL 1 AMT 1
DRY 45.0 WET 44.8 RELHU 99 SCD ** SPOB CUR CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.56	30.702	23.53	0.560	6.27	101
5	6.82	31.733	24.90	0.646	7.24	107
10	5.80	31.837	25.10	0.664	7.44	108
15	5.57	31.893	25.17	0.642	7.19	103
20	5.60	31.910	25.18	0.637	7.13	103
25	5.58	31.915	25.19	0.634	7.10	102
30	5.58	31.913	25.19	0.633	7.09	102
35	5.58	31.916	25.19	0.634	7.10	102
40	5.51	31.916	25.20	0.634	7.10	102
45	5.58	31.916	25.19	0.634	7.10	102

CRUISE BB 268 STATION 124

DATE 08/23/60 HR 0759 ZN 11 LAT 68-01N LONG 166-38W MARSQ 233
SDG 044M WSPD 04 DIR 160 WEA 03 SEA 1 BAR 8 CL 2 AMT 6
DRY 53.6 WET 49.8 RELHU 77 SCD 07 SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.34	30.889	23.71	0.563	6.31	101
5	8.98	31.570	24.46	0.620	6.94	108
10	5.75	31.808	25.09	0.654	7.32	106
15	5.70	31.892	25.16	0.642	7.19	104
20	5.76	31.904	25.16	0.642	7.19	104
25	5.76	31.909	25.17	0.641	7.18	104
30	5.74	31.910	25.17	0.641	7.18	104
35	5.74	31.911	25.17	0.642	7.19	104
40	5.71	31.911	25.17	0.637	7.13	103

CRUISE BB 268 STATION 125

DATE 08/23/60 HR 1141 ZN 11 LAT 68-03N LONG 166-42W MARSQ 233
SDG 044M WSPD 12 DIR 140 WEA 03 SEA 1 BAR 8 CL 2 AMT 7
DRY 48.2 WET 46.8 RELHU 90 SCD 08 SPOB CUR CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.12	31.057	23.88	0.570	6.38	102
5	7.66	31.636	24.71	0.642	7.19	109
10	6.24	31.821	25.04	0.667	7.47	109
15	6.14	31.822	25.05	0.675	7.56	110
20	5.69	31.854	25.13	0.651	7.29	105
25	5.66	31.906	25.17	0.637	7.13	103
30	5.65	31.908	25.18	0.638	7.15	103
35	5.64	31.908	25.18	0.647	7.25	105
40	5.64	31.910	25.18	0.637	7.13	103

CRUISE BB 268 STATION 126

DATE 08/23/60 HR 1455 ZN 11 LAT 68-00N LONG 166-58W MARSQ 233
SDG 056M WSPD 04 DIR 270 WEA 02 SEA 1 BAR 8 CL 2 AMT 8
DRY 47.8 WET 46.6 RELHU 91 SCD 07 SPOB CUR CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	5.94	31.992	25.21	0.706	7.91	115	0.92	99
5	5.76	32.001	25.24	0.719	8.05	117	1.14	92
10	4.72	32.021	25.37	0.724	8.11	114	0.96	85
15	3.91	32.022	25.45	0.683	7.65	106	1.14	96
20	3.80	32.026	25.47	0.655	7.34	101	1.33	151
25	3.80	32.028	25.47	0.653	7.31	101	1.41	150
30	3.79	32.031	25.47	0.652	7.30	101	1.41	136
40	3.76	32.028	25.47	0.654	7.32	101	1.42	96
50	3.78	32.034	25.47	0.650	7.28	100	1.26	132

CRUISE BB 268 STATION 127

DATE 08/23/60 HR 1650 ZN 11 LAT 67-05N LONG 166-54W MARSQ 233
SDG 048M WSPD 04 DIR 240 WEA 03 SEA 1 BAR 8 CL 4 AMT 8
DRY 46.6 WET 45.9 RELHU 95 SCD 07 SPOB CUR CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.89	31.672	24.70	0.636	7.12	108
5	7.32	31.722	24.82	0.652	7.30	110
10	5.47	31.875	25.17	0.644	7.21	104
15	5.40	31.896	25.20	0.635	7.11	102
20	5.38	31.907	25.21	0.631	7.07	101
25	5.38	31.912	25.21	0.613	6.87	98
30	5.36	31.909	25.21	0.633	7.09	101
35	5.36	31.907	25.21	0.631	7.07	101
40	5.36	31.909	25.21	0.631	7.07	101
45	5.37	31.909	25.21	0.632	7.08	101

CRUISE BB 268 STATION 128

DATE 08/23/60 HR 1812 ZN 11 LAT 68-08N LONG 166-52W MARSQ 233
SDG 041M WSPD 04 DIR 270 WEA 01 SEA 1 BAR 8 CL 4 AMT 7
DRY 47.3 WET 46.6 RELHU 95 SCD 08 SPOB CUR CB

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	10.35	30.859	23.69	0.568	6.36	102
5	9.88	31.559	24.31	0.553	6.19	98
10	9.51	31.596	24.40	0.557	6.24	98
15	9.18	31.610	24.46	0.559	6.26	98
20	8.66	31.642	24.57	0.570	6.38	99
25	8.38	31.660	24.62	0.579	6.48	100
30	8.30	31.668	24.64	0.579	6.48	99
35	8.08	31.689	24.69	0.586	6.56	100
40	7.88	31.705	24.73	0.584	6.54	99

CRUISE BB 268 STATION 129

DATE 08/23/60 HR 1905 ZN 11 LAT 68-06N LONG 166-53W MARSQ 233
SDG 044M WSPD 06 DIR 280 WEA 02 SEA 1 BAR 8 CL 6 AMT 7
DRY 46.0 WET 45.1 RELHU 94 SCD 08 SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	9.76	31.089	23.96	0.588	6.59	104	0.85	70
5	8.36	31.449	24.46	0.629	7.04	108	1.05	82
10	6.20	31.797	25.02	0.671	7.52	110	0.93	70
15	6.04	31.807	25.05	0.654	7.32	107	0.93	82
20	6.03	31.856	25.09	0.642	7.19	105	1.04	90
25	5.93	31.872	25.12	0.641	7.18	104	1.11	90
30	5.80	31.876	25.13	0.639	7.16	104	1.12	89
35	5.64	--.---	--.--	-.----	--.--		--.--	
40	5.49	31.890	25.18	0.632	7.08	102	1.01	76

CRUISE BB 268 STATION 130

DATE 08/23/60 HR 2205 ZN 11 LAT 68-15N LONG 166-48W MARSQ 233
SDG 032M WSPD ** DIR *** WEA ** SEA * BAR ** CL * AMT *
DRY **.* WET **.* RELHU ** SCD 08 SPOB CUR CB PLKV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	11.36	28.141	21.41	0.558	6.25	100	0.72	76
5	10.44	31.293	24.01	0.562	6.29	101	1.04	90
10	10.14	31.343	24.10	0.561	6.28	100	0.97	90
15	10.13	31.349	24.11	0.562	6.29	101	0.91	97
20	10.12	31.360	24.12	0.562	6.29	101	1.05	101
25	10.14	31.381	24.13	0.560	6.27	100	1.12	84
30	10.14	31.405	24.15	0.565	6.33	101	1.11	96

CRUISE BB 268 STATION 131

DATE 08/23/60 HR 2322 ZN 11 LAT 68-20N LONG 166-46W MARSQ 233
SDG 024M WSPD ** DIR *** WEA ** SEA * BAR ** CL * AMT *
DRY **.* WET **.* RELHU ** SCD ** SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	11.10	27.931	21.29	0.562	6.29	100
5	10.63	29.738	22.77	0.564	6.32	101
10	10.05	30.229	23.25	0.564	6.32	100
15	10.05	30.329	23.33	0.562	6.29	100
20	10.06	30.331	23.33	0.557	6.24	99

CRUISE BB 268 STATION 132

DATE 08/24/60 HR 0818 ZN 11 LAT 68-09N LONG 167-02W MARSQ 233
SDG 044M WSPD 10 DIR 140 WEA 51 SEA 2 BAR 9 CL 0 AMT 8
DRY 45.5 WET 45.1 RELHU 97 SCD ** SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.83	31.626	24.67	0.625	7.00	106
5	7.82	31.632	24.68	0.624	6.99	106
10	7.56	31.668	24.75	0.623	6.98	105
15	6.40	31.769	24.98	0.614	6.88	101
20	6.12	31.814	25.05	0.616	6.90	100
25	6.06	31.821	25.06	0.616	6.90	100
30	6.00	31.830	25.07	0.618	6.92	101
35	5.94	31.842	25.09	0.620	6.94	101
40	5.84	31.849	25.11	0.620	6.94	100

CRUISE BB 268 STATION 133

DATE 08/24/60 HR 1022 ZN 11 LAT 68-01N LONG 166-43W MARSQ 233
SDG 046M WSPD 18 DIR 170 WEA 02 SEA 2 BAR 9 CL 0 AMT 8
DRY 46.0 WET 45.5 RELHU 96 SCD ** SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.77	31.610	24.67	0.614	6.88	104
5	7.31	31.688	24.80	0.636	7.12	107
10	5.90	31.878	25.12	0.626	7.01	102
15	5.86	31.890	25.14	0.629	7.04	102
20	5.88	31.892	25.14	0.628	7.03	102
25	5.88	31.892	25.14	0.624	6.99	101
30	5.85	31.894	25.14	0.622	6.97	101
40	5.84	31.892	25.14	0.640	7.17	104
42	5.84	31.891	25.14	0.620	6.94	101

CRUISE BB 268 STATION 134

DATE 08/24/60 HR 1240 ZN 11 LAT 67-54N LONG 166-24W MARSQ 233
SDG 046M WSPD 14 DIR 140 WEA 55 SEA 2 BAR 9 CL 0 AMT 8
DRY 46.4 WET 46.0 RELHU 97 SCD 06 SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.59	31.633	24.71	0.623	6.98	105
5	7.57	31.633	24.72	0.624	6.99	105
10	7.45	31.642	24.74	0.621	6.96	105
15	6.79	31.682	24.86	0.589	6.60	98
20	6.20	31.726	24.97	0.591	6.62	97
25	6.14	31.822	25.05	0.619	6.93	101
30	6.12	31.832	25.06	0.614	6.88	100
35	6.12	31.829	25.06	0.613	6.87	100
45	6.10	31.831	25.06	0.614	6.88	100

CRUISE BB 268 STATION 135

DATE 08/24/60 HR 1030 ZN 11 LAT 67-52N LONG 166-13W MARSQ 233
SDG 048M WSPD 17 DIR 190 WEA 02 SEA 3 BAR 8 CL 0 AMT 8
DRY 46.0 WET 45.7 RELHU 97 SCD ** SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.47	31.722	24.93	0.624	6.99	103
5	6.44	31.722	24.94	0.627	7.02	103
10	6.46	31.725	24.94	0.626	7.01	103
15	6.15	31.843	25.07	0.608	6.81	99
20	6.19	31.869	25.08	0.609	6.82	100
25	6.18	31.877	25.09	0.610	6.83	100
30	6.18	31.882	25.09	0.612	6.85	100
40	6.18	31.871	25.08	0.612	6.85	100

CRUISE BB 268 STATION 136

DATE 08/25/60 HR 0000 ZN 11 LAT 67-49N LONG 166-00W MARSQ 233
SDG 050M WSPD 18 DIR 190 WEA 02 SEA 3 BAR 8 CL X AMT 8
DRY 46.8 WET 46.4 RELHU 97 SCD ** SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.12	31.668	24.80	0.624	6.99	104
5	7.09	31.670	24.81	0.623	6.98	104
10	6.94	31.676	24.84	0.623	6.98	104
15	6.72	31.698	24.88	0.624	6.99	103
20	6.19	31.705	24.95	0.619	6.93	101
25	6.28	31.804	25.02	0.599	6.71	98
30	6.28	31.807	25.02	0.600	6.72	98
40	6.30	31.818	25.03	0.606	6.79	99

CRUISE BB 268 STATION 137

DATE 08/25/60 HR 0138 ZN 11 LAT 67-43N LONG 165-54W MARSQ 233
SDG 042M WSPD 20 DIR 190 WEA 02 SEA 3 BAR 8 CL X AMT 8
DRY 46.4 WET 46.0 RELHU 97 SCD ** SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.87	31.651	24.82	0.632	7.08	105
5	6.86	31.653	24.83	0.609	6.82	101
10	6.88	31.652	24.82	0.608	6.81	101
15	6.84	31.654	24.83	0.609	6.82	101
20	6.28	31.697	24.94	0.596	6.68	98
25	6.02	31.715	24.98	0.600	6.72	98
30	5.68	31.756	25.05	0.591	6.62	95
35	5.52	31.779	25.09	0.605	6.78	97
40	5.52	31.779	25.09	0.605	6.78	97

CRUISE BB 268 STATION 138

DATE 08/25/60 HR 0322 ZN 11 LAT 67-38N LONG 165-59W MARSQ 233
SDG 040M WSPD 16 DIR 180 WEA 02 SEA 3 BAR 6 CL 0 AMT 8
DRY 46.9 WET 46.2 RELHU 95 SCD ** SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.33	31.605	24.73	0.604	6.76	101
5	7.32	31.604	24.73	0.605	6.78	102
10	7.32	31.603	24.73	0.605	6.78	102
15	6.88	31.641	24.82	0.595	6.66	99
20	6.58	31.659	24.87	0.602	6.74	99
25	6.43	31.666	24.89	0.601	6.73	99
30	6.04	31.700	24.97	0.588	6.59	96
35	5.70	31.733	25.03	0.588	6.59	95

CRUISE BB 268 STATION 139

DATE 08/26/60 HR 2252 ZN 11 LAT 65-22N LONG 167-33W MARSQ 233
SDG 026M WSPD 10 DIR 010 WEA 02 SEA 2 BAR 87 CL 0 AMT 8
DRY 48.9 WET 46.6 RELHU 84 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	11.70	27.3#2	20.73	0.545	6.10	98	;.80	111
5	11.46	27.752	21.10	0.545	6.10	98	0.92	106
10	11.33	28.646	21.81	0.550	6.16	99	1.07	134
15	10.52	28.998	22.22	0.575	6.44	102	1.22	87
20	9.11	30.017	23.23	0.579	6.48	100	1.36	146
23	8.35	30.764	23.93	0.543	6.08	93	1.75	181

CRUISE BB 268 STATION 140

DATE 08/27/60 HR 0858 ZN 11 LAT 65-16N LONG 166-46W MARSQ 233
SDG 010M WSPD 16 DIR 330 WEA 01 SEA 1 BAR 92 CL 6 AMT 7
DRY 47.5 WET 43.5 RELHU 74 SCD 03 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	11.98	28.848	21.85	0.537	6.01	98
5	11.96	28.856	21.86	0.543	6.08	99
8	11.98	28.860	21.86	0.539	6.04	99

CRUISE BB 268 STATION 141

DATE 08/27/60 HR 1421 ZN 11 LAT 65-21N LONG 167-28W MARSQ 233
SDG 020M WSPD 15 DIR 320 WEA 01 SEA 1 BAR 92 CL 6 AMT 7
DRY 50.7 WET 46.2 RELHU 71 SCD 04 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	12.39	26.424	19.91	0.553	6.19	101
5	10.32	28.821	22.11	0.560	6.27	99
10	9.46	29.642	22.89	0.557	6.24	97
15	9.40	29.700	22.94	0.567	6.35	99
19	9.34	29.737	22.98	0.566	6.34	98

CRUISE BB 268 STATION 142

DATE 08/27/60 HR 1729 ZN 11 LAT 65-12N LONG 167-57W MARSQ 233
SDG 032M WSPD 22 DIR 320 WEA 02 SEA 3 BAR 96 CL 6 AMT 6
DRY 45.7 WET 44.1 RELHU 88 SCD 06 SPOB CUR VV PRDD

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.30	31.562	24.70	0.634	7.10	106
5	7.28	31.564	24.70	0.634	7.10	106
10	7.29	31.562	24.70	0.634	7.10	106
15	7.30	31.563	24.70	0.634	7.10	106
20	7.12	31.581	24.74	0.636	7.12	106
25	3.59	31.952	25.43	0.706	7.91	108
30	3.56	31.962	25.44	0.725	8.12	111

CRUISE BB 268 STATION 143

DATE 08/27/60 HR 2020 ZN 11 LAT 65-03N LONG 168-24W MARSQ 233
SDG 043M WSPD 24 DIR 330 WEA 03 SEA 3 BAR 98 CL 6 AMT 8
DRY 44.9 WET 44.1 RELHU 93 SCD ** SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.76	31.634	24.83	0.612	6.85	101
5	6.75	31.636	24.83	0.612	6.85	101
10	6.74	31.634	24.83	0.614	6.88	102
15	6.70	31.647	24.84	0.614	6.88	101
20	6.64	31.650	24.85	0.608	6.81	100
25	5.45	31.771	25.09	0.602	6.74	97
30	5.04	31.814	25.17	0.602	6.74	96
35	4.62	31.843	25.24	0.603	6.75	95
40	4.60	31.844	25.24	0.597	6.69	94

CRUISE BB 268 STATION 144

DATE 08/27/60 HR 2251 ZN 11 LAT 64-55N LONG 168-10W MARSQ 233
SDG 040M WSPD 17 DIR 340 WEA 01 SEA 3 BAR 98 CL 6 AMT 5
DRY 46.2 WET 44.8 RELHU 90 SCD ** SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.72	31.526	24.61	0.614	6.88	104
5	7.72	31.525	24.61	0.616	6.90	104
10	7.76	31.523	24.60	0.616	6.90	104
15	7.74	31.524	24.61	0.617	6.91	105
20	7.73	31.527	24.61	0.619	6.93	105
25	5.08	31.857	25.20	0.628	7.03	100
30	4.80	31.873	25.24	0.624	6.99	99
35	4.74	31.876	25.25	0.630	7.06	99

CRUISE BB 268 STATION 145

DATE 08/28/60 HR 0133 ZN 11 LAT 64-48N LONG 167-50W MARSQ 233
SDG 031M WSPD 12 DIR 360 WEA 02 SEA 3 BAR 93 CL 0 AMT 1
DRY 45.1 WET 43.9 RELHU 91 SCD ** SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	6.74	31.579	24.78	0.628	7.03	104
5	6.74	31.581	24.79	0.625	7.00	103
10	6.73	31.610	24.81	0.630	7.06	104
15	5.72	31.812	25.09	0.658	7.37	106
20	3.12	32.092	25.58	0.729	8.16	111
25	2.85	32.116	25.62	0.736	8.24	111
29	2.82	32.115	25.62	0.741	8.30	112

CRUISE BB 268 STATION 146

DATE 08/28/60 HR 0421 ZN 11 LAT 64-41N LONG 167-28W MARSQ 233
SDG 029M WSPD 10 DIR 030 WEA 03 SEA 2 BAR 99 CL 6 AMT 2
DRY 45.5 WET 43.3 RELHU 85 SCD 05 SPOB CUR VV

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	7.74	29.880	23.32	0.606	6.79	102
5	7.36	30.295	23.70	0.603	6.75	100
10	4.24	--.---	--.--	0.633	7.09	
15	4.22	31.090	24.68	0.630	7.06	98
20	4.09	31.095	24.70	0.630	7.06	97
25	3.96	31.108	24.72	0.660	7.39	102

CRUISE BB 268 STATION 147

DATE 08/28/60 HR 0638 ZN 11 LAT 64-34N LONG 167-08W MARSQ 233
SDG 028M WSPD 10 DIR 010 WEA 02 SEA 2 BAR 0 CL 6 AMT 3
DRY 48.2 WET 45.1 RELHU 79 SCD 04 SPOB CUR

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.
0	9.64	--.---	--.--	0.532	5.96	
5	9.92	29.198	22.47	0.503	5.63	88
10	10.12	29.410	22.60	0.480	5.38	85
15	10.10	29.638	22.78	0.475	5.32	84
20	9.72	30.027	23.14	0.479	5.36	84
25	9.76	30.307	23.36	-.---	--.--	

CRUISE BB 268 STATION 148

DATE 08/28/60 HR 1259 ZN 11 LAT 64-26N LONG 166-22W MARSQ 233
SDG 027M WSPD 04 DIR 270 WEA 02 SEA 1 BAR 4 CL 6 AMT 6
DRY 54.3 WET 50.4 RELHU 76 SCD ** SPOB *

DEPTH	TEMP.	SAL.	SIGMA-T	OXYGEN MG.AT.	OXYGEN ML/L	OXYGEN SATN.	PHOS.	SIL
0	11.96	26.548	20.08	0.472	5.29	85	1.30	118
5	11.78	26.575	20.13	0.536	6.00	96	0.79	110
10	11.61	27.015	20.50	0.522	5.85	94	1.53	169
15	10.75	28.547	21.83	0.480	5.38	85	2.05	313
20	10.61	28.811	22.06	0.473	5.30	84	2.65	362
25	10.59	28.853	22.09	0.473	5.30	84	2.89	416

Brown Bear Cruise 268 Currents

Current observations made during Brown Bear Cruise 268 were taken from the anchored ship. Measurements were made at all hydrographic stations during the cruise. There was little mechanical trouble with the Magnesyn Current Meter except during the time the vessel was working the western track north of St. Lawrence Island. Velocities in this area are not considered reliable.

Mean velocities were calculated by averaging readings over the longest time period recorded. Mean directions were obtained in the same way except that a correction for variation and deviation was added.

CRUISE BB 268 CURRENT STATION 001 TYPE METER MAGNESYN

DATE 07/26/60 TIME 1710 TO 1905 ZN 11 LAT 64-26N LONG 166-20W
SDG 29.0M WIND DIR 110 VEL 12 SEA HT 3 SWELL AMT 1 DIR 290

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	01.01	270
0010	08	.90	271

CRUISE BB 268 CURRENT STATION 002 TYPE METER MAGNESYN

DATE 07/26/60 TIME 2320 TO 2400 ZN 11 LAT 64-10N LONG 166-52W
SDG 31.0M WIND DIR 100 VEL 11 SEA HT 2 SWELL AMT 1 DIR 290

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005		.	
0020		.	

CRUISE BB 268 CURRENT STATION 003 TYPE METER MAGNESYN

DATE 07/27/60 TIME 0420 TO 0530 ZN 11 LAT 63-53N LONG 167-25W
SDG 32.0M WIND DIR 140 VEL 02 SEA HT 0 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.30	080
0020	07	00.15	000

CRUISE BB 268 CURRENT STATION 004 TYPE METER EKMAN-MERZ

DATE 07/27/60 TIME 1054 TO 1150 ZN 11 LAT 63-37N LONG 167-57W
SDG 29.0M WIND DIR 040 VEL 05 SEA HT 0 SWELL AMT 1 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	03	00.60	355
0020	03	00.32	020

CRUISE BB 268 CURRENT STATION 005 TYPE METER MAGNESYN

DATE 07/27/60 TIME 1605 TO 1735 ZN 11 LAT 63-18N LONG 168-34W
SDG 36.6M WIND DIR 050 VEL 03 SEA HT 0 SWELL AMT 1 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.33	273
0020	07	00.71	342

CRUISE BB 268 CURRENT STATION 006 TYPE METER MAGNESYN

DATE 07/27/60 TIME 2113 TO 2238 ZN 11 LAT 63-07N LONG 167-58W
SDG 32.5M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 1 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.85	035
0020	07	00.72	026

CRUISE BB 268 CURRENT STATION 007 TYPE METER MAGNESYN

DATE 07/28/60 TIME 0241 TO 0415 ZN 11 LAT 62-50N LONG 167-16W
SDG 36.6M WIND DIR 050 VEL 02 SEA HT 1 SWELL AMT 1 DIR 170

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.70	036
0020	07	00.65	355

CRUISE BB 268 CURRENT STATION 008 TYPE METER MAGNESYN

DATE 07/28/60 TIME 0800 TO 0925 ZN 11 LAT 62-34N LONG 166-35W
SDG 21.9M WIND DIR 180 VEL 06 SEA HT 2 SWELL AMT 1 DIR 180

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.35	273
0020	07	00.23	236

CRUISE BB 268 CURRENT STATION 009 TYPE METER MAGNESYN

DATE 07/28/60 TIME 1320 TO 1410 ZN 11 LAT 62-19N LONG 165-56W
SDG 08.2M WIND DIR 130 VEL 09 SEA HT 3 SWELL AMT 1 DIR 160

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.49	100

CRUISE BB 268 CURRENT STATION 010 TYPE METER MAGNESYN

DATE 07/28/60 TIME 1905 TO 2010 ZN 11 LAT 62-52N LONG 160-00W
SDG 20.3M WIND DIR 040 VEL 01 SEA HT 1 SWELL AMT 1 DIR 160

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.38	022
0017	06	00.33	356

CRUISE BB 268 CURRENT STATION 011 TYPE METER MAGNESYN

DATE 07/29/60 TIME 0120 TO 0210 ZN 11 LAT 63-26N LONG 166-04W
SDG 25.2M WIND DIR 090 VEL 05 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.49	075
0020	01	00.10	050

CRUISE BB 268 CURRENT STATION 012 TYPE METER MAGNESYN

DATE 07/29/60 TIME 0705 TO 0825 ZN 11 LAT 63-58N LONG 166-08W
SDG 24.0M WIND DIR 340 VEL 02 SEA HT 2 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.24	016
0020	07	00.33	348

CRUISE BB 268 CURRENT STATION 013 TYPE METER MAGNESYN

DATE 07/29/60 TIME 1225 TO 1330 ZN 11 LAT 64-22N LONG 166-11W
SDG 27.0M WIND DIR 260 VEL 04 SEA HT 2 SWELL AMT 1 DIR 270

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	01	00.57	270
0020		•	

CRUISE BB 268 CURRENT STATION 014 TYPE METER MAGNESYN

DATE 07/29/60 TIME 1535 TO 1600 ZN 11 LAT 64-32N LONG 166-12W
SDG 13.1M WIND DIR 270 VEL 08 SEA HT 3 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	02	01.08	275
0020		•	

CRUISE BB 268 CURRENT STATION 015 TYPE METER MAGNESYN

DATE 07/29/60 TIME 2025 TO 2100 ZN 11 LAT 64-32N LONG 166-59W
SDG 27.5M WIND DIR 310 VEL 07 SEA HT 3 SWELL AMT 1 DIR 290

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	04	00.68	332
0020	04	00.59	314

CRUISE BB 268 CURRENT STATION 016 TYPE METER MAGNESYN

DATE 07/30/60 TIME 0252 TO 0345 ZN 11 LAT 65-13N LONG 167-30W
SDG 20.0M WIND DIR 320 VEL 07 SEA HT 3 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	03	00.10	000
0017	00	00.10	315

CRUISE BB 268 CURRENT STATION 017 TYPE METER MAGNESYN

DATE 07/30/60 TIME 0825 TO 0900 ZN 11 LAT 64-54N LONG 168-10W
SDG 41.0M WIND DIR 340 VEL 12 SEA HT 3 SWELL AMT 3 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0020	--	00.10	345
0005	--	00.10	350

CRUISE BB 268 CURRENT STATION 018 TYPE METER MAGNESYN

DATE 07/30/60 TIME 1300 TO 1345 ZN 11 LAT 64-32N LONG 168-47W
SDG 44.6M WIND DIR 350 VEL 11 SEA HT 3 SWELL AMT 1 DIR 350

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	04	00.10	030
0020	04	00.10	025

CRUISE BB 268 CURRENT STATION 019 TYPE METER MAGNESYN

DATE 07/30/60 TIME 1845 TO 1920 ZN 11 LAT 64-16N LONG 169-22W
SDG 39.0M WIND DIR 350 VEL 08 SEA HT 3 SWELL AMT 1 DIR 350

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	04	00.10	053
0020	04	00.10	001

CRUISE BB 268 CURRENT STATION 020 TYPE METER MAGNESYN

DATE 07/30/60 TIME 2340 TO 0040 ZN 11 LAT 63-58N LONG 169-57W
SDG 38.5M WIND DIR 000 VEL 08 SEA HT 2 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	04	00.47	078
0020	05	00.65	109

CRUISE BB 268 CURRENT STATION 021 TYPE METER MAGNESYN

DATE 07/31/60 TIME 0335 TO 0510 ZN 11 LAT 63-44N LONG 170-22W
SDG 35.6M WIND DIR 000 VEL 10 SEA HT 2 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	01.34	112
0020	05	00.97	105

CRUISE BB 268 CURRENT STATION 022 TYPE METER MAGNESYN

DATE 07/31/60 TIME 1100 TO 1130 ZN 11 LAT 63-50N LONG 171-55W
SDG 36.8M WIND DIR 030 VEL 17 SEA HT 3 SWELL AMT 3 DIR 020

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	--	00.10	060
0020	--	00.10	075

CRUISE BB 268 CURRENT STATION 023 TYPE METER MAGNESYN

DATE 07/31/60 TIME 2110 TO 2120 ZN 11 LAT 63-58N LONG 172-11W
SDG 63.0M WIND DIR 040 VEL 12 SEA HT 3 SWELL AMT 3 DIR 040

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0020	11	00.10	052
0005	--	00.10	090

CRUISE BB 268 CURRENT STATION 024 TYPE METER MAGNESYN

DATE 08/01/60 TIME 0251 TO 0312 ZN 11 LAT 64-19N LONG 171-26W
SDG 45.7M WIND DIR 250 VEL 12 SEA HT 3 SWELL AMT 3 DIR 030

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005		•	
0020		•	

CRUISE BB 268 CURRENT STATION 025 TYPE METER MAGNESYN

DATE 08/01/60 TIME 0832 TO 0840 ZN 11 LAT 64-41N LONG 170-38W
SDG 48.0M WIND DIR 350 VEL 05 SEA HT 3 SWELL AMT 3 DIR 030

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	--	00.10	025
0020	06	00.10	014

CRUISE BB 268 CURRENT STATION 026 TYPE METER MAGNESYN

DATE 08/01/60 TIME 1410 TO 1453 ZN 11 LAT 65-01N LONG 169-52W
SDG 44.8M WIND DIR 030 VEL 15 SEA HT 3 SWELL AMT 3 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.63	100
0020	05	00.65	100

CRUISE BB 268 CURRENT STATION 027 TYPE METER MAGNESYN

DATE 08/01/60 TIME 0000 TO 0000 ZN 11 LAT 65-23N LONG 169-02W
SDG 51.5M WIND DIR 030 VEL 17 SEA HT 3 SWELL AMT 3 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005		•	
0020		•	

CRUISE BB 268 CURRENT STATION 028 TYPE METER MAGNESYN

DATE 08/02/60 TIME 0101 TO 0140 ZN 11 LAT 65-44N LONG 168-53W
SDG 48.6M WIND DIR 000 VEL 16 SEA HT 3 SWELL AMT 3 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	11	00.46	004
0020	20	00.75	050

CRUISE BB 268 CURRENT STATION 029 TYPE METER MAGNESYN

DATE 08/02/60 TIME 0345 TO 0458 ZN 11 LAT 65-42N LONG 168-30W
SDG 54.9M WIND DIR 000 VEL 12 SEA HT 3 SWELL AMT 3 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.83	000
0020	15	00.73	034

CRUISE BB 268 CURRENT STATION 030 TYPE METER MAGNESYN

DATE 08026060 TIME 0721 TO 0811 ZN 11 LAT 65-40N LONG 168-10W
SDG 18.3M WIND DIR 000 VEL 07 SEA HT 1 SWELL AMT 3 DIR 010

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	14	00.36	026
0017	15	00.35	030

CRUISE BB 268 CURRENT STATION 031 TYPE METER MAGNESYN

DATE 08/02/60 TIME 1320 TO 1355 ZN 11 LAT 66-11N LONG 167-45W
SDG 19.4M WIND DIR 340 VEL 02 SEA HT 1 SWELL AMT 1 DIR 330

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.37	115
0015	15	00.24	025

CRUISE BB 268 CURRENT STATION 032 TYPE METER MAGNESYN

DATE 08/02/60 TIME 1815 TO 1855 ZN 11 LAT 65-56N LONG 167-39W
SDG 16.6M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 1 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.22	065
0010	05	00.16	046
0015	16	00.16	298

CRUISE BB 268 CURRENT STATION 033 TYPE METER MAGNESYN

DATE 08/02/60 TIME 2200 TO 2212 ZN 11 LAT 66-09N LONG 167-03W
SDG 16.7M WIND DIR 120 VEL 03 SEA HT 1 SWELL AMT 1 DIR 040

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	--	00.15	175
0010	--	00.10	165

CRUISE BB 268 CURRENT STATION 034 TYPE METER MAGNESYN

DATE 08/03/60 TIME 0319 TO 0438 ZN 11 LAT 66-12N LONG 168-13W
SDG 52.5M WIND DIR 150 VEL 02 SEA HT 1 SWELL AMT 1 DIR 250

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	01.43	353
0017	07	00.94	338
0020	05	01.02	345

CRUISE BB 268 CURRENT STATION 035 TYPE METER MAGNESYN

DATE 08/03/60 TIME 0755 TO 0836 ZN 11 LAT 66-15N LONG 168-53W
SDG 54.9M WIND DIR 150 VEL 02 SEA HT 1 SWELL AMT 1 DIR 250

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	01.10	345
0020	08	00.65	335

CRUISE BB 268 CURRENT STATION 036 TYPE METER MAGNESYN

DATE 08/03/60 TIME 1335 TO 1413 ZN 11 LAT 66-48N LONG 168-52W
SDG 45.0M WIND DIR 150 VEL 02 SEA HT 1 SWELL AMT 1 DIR 180

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.53	026
0015	05	00.38	032
0020	11	00.29	037

CRUISE BB 268 CURRENT STATION 037 TYPE METER MAGNESYN

DATE 08/03/60 TIME 1734 TO 1900 ZN 11 LAT 66-44N LONG 168-03W
SDG 30.5M WIND DIR 100 VEL 04 SEA HT 1 SWELL AMT 1 DIR 160

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.24	100
0020	15	00.25	099

CRUISE BB 268 CURRENT STATION 038 TYPE METER MAGNESYN

DATE 08/03/60 TIME 2219 TO 2250 ZN 11 LAT 66-40N LONG 167-14W
SDG 33.6M WIND DIR 050 VEL 06 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.25	072
0020	10	00.25	022

CRUISE BB 268 CURRENT STATION 039 TYPE METER MAGNESYN

DATE 08/04/60 TIME 0157 TO 0256 ZN 11 LAT 66-36N LONG 166-22W
SDG 16.8M WIND DIR 050 VEL 08 SEA HT 2 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	12	00.20	215
0010	16	00.18	198

CRUISE BB 268 CURRENT STATION 040 TYPE METER MAGNESYN

DATE 08/04/60 TIME 0615 TO 0625 ZN 11 LAT 66-32N LONG 165-29W
SDG 16.0M WIND DIR 050 VEL 05 SEA HT 2 SWELL AMT 1 DIR 050

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	OBSERVATIONS MADE BUT DATA CONSIDERED UNRELIABLE		
0015	--	00.10	150

CRUISE BB 268 CURRENT STATION 041 TYPE METER MAGNESYN

DATE 08/04/60 TIME 0930 TO 1010 ZN 11 LAT 66-47N LONG 165-02W
SDG 24.4M WIND DIR 040 VEL 09 SEA HT 1 SWELL AMT 1 DIR 050

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.33	096
0020	15	00.20	070

CRUISE BB 268 CURRENT STATION 042 TYPE METER MAGNESYN

DATE 08/04/60 TIME 1342 TO 1446 ZN 11 LAT 67-04N LONG 164-32W
SDG 28.0M WIND DIR 060 VEL 04 SEA HT 2 SWELL AMT 1 DIR 130

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0003	06	00.23	009
0005	05	00.16	244
0010	07	00.16	251

CRUISE BB 268 CURRENT STATION 043 TYPE METER MAGNESYN

DATE 08/04/60 TIME 1926 TO 1948 ZN 11 LAT 67-20N LONG 164-09W

SDG 21.4M WIND DIR 000 VEL 06 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.12	000

CRUISE BB 268 CURRENT STATION 044 TYPE METER MAGNESYN

DATE 08/04/60 TIME 2341 TO 0035 ZN 11 LAT 67-18N LONG 165-07W
SDG 32.0M WIND DIR 150 VEL 05 SEA HT 2 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0002	05	00.41	004
0005	15	00.25	015
0010	05	00.27	042
0020	15	00.16	022

CRUISE BB 268 CURRENT STATION 045 TYPE METER MAGNESYN

DATE 08/05/60 TIME 0408 TO 0510 ZN 11 LAT 67-18N LONG 166-04W
SDG 38.0M WIND DIR 050 VEL 05 SEA HT 2 SWELL AMT 1 DIR 090

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.33	020
0020	16	00.33	025

CRUISE BB 268 CURRENT STATION 046 TYPE METER MAGNESYN

DATE 08/05/60 TIME 0918 TO 0953 ZN 11 LAT 67-17N LONG 167-05W
SDG 44.2M WIND DIR 070 VEL 06 SEA HT 1 SWELL AMT 1 DIR 350

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.10	025
0020	01	00.10	352

CRUISE BB 268 CURRENT STATION 047 TYPE METER MAGNESYN

DATE 08/05/60 TIME 1310 TO 1404 ZN 11 LAT 67-16N LONG 168-02W
SDG 41.0M WIND DIR 050 VEL 06 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.41	060
0020	16	00.41	075

CRUISE BB 268 CURRENT STATION 048 TYPE METER MAGNESYN

DATE 08/05/60 TIME 1826 TO 1910 ZN 11 LAT 67-15N LONG 169-05W
SDG 48.8M WIND DIR 080 VEL 02 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.65	040
0020	14	00.57	026

CRUISE BB 268 CURRENT STATION 049 TYPE METER MAGNESYN

DATE 08/06/60 TIME 0216 TO 0324 ZN 11 LAT 67-38N LONG 167-17W
SDG 48.8M WIND DIR 090 VEL 12 SEA HT 2 SWELL AMT 1 DIR 090

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.41	006
0020	14	00.29	326

CRUISE BB 268 CURRENT STATION 050 TYPE METER MAGNESYN

DATE 08/06/60 TIME 0648 TO 0725 ZN 11 LAT 67-48N LONG 166-30W
SDG 48.8M WIND DIR 120 VEL 11 SEA HT 2 SWELL AMT 1 DIR 120

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.61	333
0020	15	00.61	329

CRUISE BB 268 CURRENT STATION 051 TYPE METER MAGNESYN

DATE 08/06/60 TIME 0927 TO 0953 ZN 11 LAT 67-52N LONG 166-08W
SDG 48.0M WIND DIR 130 VEL 06 SEA HT 2 SWELL AMT 1 DIR 110

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	01.14	304
0020	10	00.94	296
0030	01	00.82	286
0040	01	00.70	281
0045	01	00.65	281

CRUISE BB 268 CURRENT STATION 052 TYPE METER MAGNESYN

DATE 08/06/60 TIME 1147 TO 1225 ZN 11 LAT 67-57N LONG 165-46W
SDG 32.0M WIND DIR 160 VEL 06 SEA HT 2 SWELL AMT 1 DIR 160

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.57	316
0020	12	00.57	295
0030	09	00.39	281

CRUISE BB 268 CURRENT STATION 053 TYPE METER MAGNESYN

DATE 08/06/60 TIME 2318 TO 2350 ZN 11 LAT 68-11N LONG 166-23W
SDG 16.8M WIND DIR 200 VEL 01 SEA HT 1 SWELL AMT 1 DIR 140

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.47	320
0014	10	00.36	300

CRUISE BB 268 CURRENT STATION 054 TYPE METER MAGNESYN

DATE 08/07/60 TIME 0210 TO 0245 ZN 11 LAT 68-21N LONG 166-55W
SDG 31.0M WIND DIR 180 VEL 04 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	01.04	299
0020	16	00.59	290

CRUISE BB 268 CURRENT STATION 055 TYPE METER MAGNESYN

DATE 08/07/60 TIME 0642 TO 0720 ZN 11 LAT 68-16N LONG 167-56W
SDG 45.7M WIND DIR 250 VEL 03 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.51	335
0020	15	00.51	325

CRUISE BB 268 CURRENT STATION 056 TYPE METER MAGNESYN

DATE 08/07/60 TIME 1106 TO 1254 ZN 11 LAT 68-11N LONG 168-55W
SDG 56.4M WIND DIR 270 VEL 09 SEA HT 1 SWELL AMT 1 DIR 270

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.53	278
0010	10	00.82	305
0015	10	00.78	304
0020	04	00.74	326
0050	10	00.51	295

CRUISE BB 268 CURRENT STATION 057 TYPE METER MAGNESYN

DATE 08/07/60 TIME 1628 TO 1710 ZN 11 LAT 68-34N LONG 168-55W
SDG 53.0M WIND DIR 310 VEL 09 SEA HT 2 SWELL AMT 1 DIR 310

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.59	324
0020	16	00.35	323

CRUISE BB 268 CURRENT STATION 058 TYPE METER MAGNESYN

DATE 08/07/60 TIME 2020 TO 2106 ZN 11 LAT 68-54N LONG 168-55W
SDG 51.9M WIND DIR 290 VEL 06 SEA HT 2 SWELL AMT 3 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	11	00.46	025
0020	12	00.52	007

CRUISE BB 268 CURRENT STATION 059 TYPE METER MAGNESYN

DATE 08/08/60 TIME 0130 TO 0220 ZN 11 LAT 68-53N LONG 167-44W
SDG 47.0M WIND DIR 290 VEL 03 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.58	345
0020	16	00.46	030

CRUISE BB 268 CURRENT STATION 060 TYPE METER MAGNESYN

DATE 08/08/60 TIME 0514 TO 0600 ZN 11 LAT 68-52N LONG 167-08W
SDG 42.6M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.31	169
0020	13	00.31	212

CRUISE BB 268 CURRENT STATION 061 TYPE METER MAGNESYN

DATE 08/08/60 TIME 0852 TO 0925 ZN 11 LAT 68-52N LONG 166-21W
SDG 21.7M WIND DIR 190 VEL 12 SEA HT 2 SWELL AMT 1 DIR 290

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	13	00.47	315
0020	10	00.43	209

CRUISE BB 268 CURRENT STATION 062 TYPE METER MAGNESYN

DATE 08/08/60 TIME 1446 TO 1521 ZN 11 LAT 69-09N LONG 165-05W
SDG 22.0M WIND DIR 090 VEL 01 SEA HT 1 SWELL AMT 1 DIR 250

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.31	243
0018	16	00.17	234

CRUISE BB 268 CURRENT STATION 063 TYPE METER MAGNESYN

DATE 08/08/60 TIME 1855 TO 1952 ZN 11 LAT 69-17N LONG 166-02W
SDG 32.0M WIND DIR 200 VEL 05 SEA HT 4 SWELL AMT 3 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.52	124
0015	04	00.45	
0020	10	00.37	339

CRUISE BB 268 CURRENT STATION 064 TYPE METER MAGNESYN

DATE 09/08/60 TIME 2345 TO 0016 ZN 11 LAT 69-26N LONG 167-03W
SDG 41.2M WIND DIR 180 VEL 25 SEA HT 3 SWELL AMT 3 DIR 180

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.58	147
0020	10	00.39	320

CRUISE BB 268 CURRENT STATION 065 TYPE METER MAGNESYN

DATE 09/08/60 TIME 0415 TO 0455 ZN 11 LAT 69-34N LONG 168-02W
SDG 48.8M WIND DIR 320 VEL 12 SEA HT 2 SWELL AMT 3 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.62	004
0020	16	00.60	036

CRUISE BB 268 CURRENT STATION 066 TYPE METER MAGNESYN

DATE 09/08/60 TIME 0907 TO 0957 ZN 11 LAT 69-43N LONG 169-00W
SDG 49.7M WIND DIR 200 VEL 05 SEA HT 2 SWELL AMT 1 DIR 190

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.67	045
0020	10	00.54	063

CRUISE BB 268 CURRENT STATION 067 TYPE METER MAGNESYN

DATE 08/09/60 TIME 1215 TO 1230 ZN 11 LAT 70-00N LONG 168-56W
SDG 41.7M WIND DIR 350 VEL 04 SEA HT 2 SWELL AMT 1 DIR 120

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	01	00.10	081
0020	01	00.10	077

CRUISE BB 268 CURRENT STATION 068 TYPE METER MAGNESYN

DATE 08/09/60 TIME 1529 TO 1614 ZN 11 LAT 70-18N LONG 168-52W
SDG 41.2M WIND DIR 060 VEL 06 SEA HT 2 SWELL AMT 1 DIR 140

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.46	335
0020	07	00.49	330

CRUISE BB 268 CURRENT STATION 069 TYPE METER MAGNESYN

DATE 08/09/60 TIME 2010 TO 2045 ZN 11 LAT 70-28N LONG 167-45W
SDG 50.3M WIND DIR 100 VEL 02 SEA HT 2 SWELL AMT 1 DIR 190

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.57	027
0020	07	00.51	012
0040	05	00.43	004

CRUISE BB 268 CURRENT STATION 070 TYPE METER MAGNESYN

DATE 08/10/60 TIME 0038 TO 0136 ZN 11 LAT 70-38N LONG 166-37W
SDG 40.0M WIND DIR 070 VEL 04 SEA HT 2 SWELL AMT 1 DIR 170

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.51	033
0020	16	00.46	347
0035	10	00.53	346

CRUISE BB 268 CURRENT STATION 071 TYPE METER MAGNESYN

DATE 08/10/60 TIME 0555 TO 0727 ZN 11 LAT 70-48N LONG 165-31W
SDG 42.0M WIND DIR 020 VEL 02 SEA HT 1 SWELL AMT 1 DIR 190

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.50	026
0010	07	00.45	037
0020	17	00.53	047
0030	08	00.00	082
0037	08	00.38	045

CRUISE BB 268 CURRENT STATION 072 TYPE METER MAGNESYN

DATE 08/10/60 TIME 1235 TO 1258 ZN 11 LAT 70-50N LONG 165-30W
SDG 42.7M WIND DIR 000 VEL 03 SEA HT 1 SWELL AMT 1 DIR 160

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0002	10	00.00	020

0015 OBSERVATIONS MADE BUT DATA CONSIDERED UNRELIABLE

CRUISE BB 268 CURRENT STATION 073 TYPE METER MAGNESYN

DATE 08/10/60 TIME 1702 TO 1750 ZN 11 LAT 70-33N LONG 164-28W
SDG 45.7M WIND DIR 080 VEL 08 SEA HT 1 SWELL AMT 1 DIR 190

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.46	071
0020	16	00.65	058
0040	07	00.43	052

CRUISE BB 268 CURRENT STATION 074 TYPE METER MAGNESYN

DATE 08/10/60 TIME 2230 TO 2322 ZN 11 LAT 70-18N LONG 163-33W
SDG 30.5M WIND DIR 240 VEL 16 SEA HT 2 SWELL AMT 1 DIR 190

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.92	105
0020	10	00.67	035
0026	10	00.57	012

CRUISE BB 268 CURRENT STATION 075 TYPE METER MAGNESYN

DATE 08/11/60 TIME 0340 TO 0427 ZN 11 LAT 70-04N LONG 162-46W
SDG 14.6M WIND DIR 250 VEL 06 SEA HT 2 SWELL AMT 1 DIR 240

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	14	00.53	015
0010	15	00.53	042
0012	11	00.49	034

CRUISE BB 268 CURRENT STATION 076 TYPE METER MAGNESYN

DATE 08/11/60 TIME 1452 TO 1617 ZN 11 LAT 69-51N LONG 165-04W
SDG 33.0M WIND DIR 020 VEL 11 SEA HT 2 SWELL AMT 1 DIR 020

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.39	333
0020	15	00.59	034
0030	15	00.42	023

CRUISE BB 268 CURRENT STATION 077 TYPE METER MAGNESYN

DATE 08/11/60 TIME 2211 TO 2322 ZN 11 LAT 69-47N LONG 166-59W
SDG 45.8M WIND DIR 060 VEL 20 SEA HT 3 SWELL AMT 1 DIR 060

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.81	021
0010	--	00.61	051
0014	--	00.53	041
0020	10	00.53	059
0040	10	00.49	029

CRUISE BB 268 CURRENT STATION 078 TYPE METER MAGNESYN

DATE 08/15/60 TIME 0930 TO 0950 ZN 11 LAT 66-43N LONG 162-31W
SDG 09.5M WIND DIR 040 VEL 22 SEA HT 2 SWELL AMT 1 DIR 080

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0004	01	00.20	077
0007	01	00.20	082

CRUISE BB 268 CURRENT STATION 079 TYPE METER MAGNESYN

DATE 08/15/60 TIME 1355 TO 1426 ZN 11 LAT 66-28N LONG 162-36W
SDG 13.0M WIND DIR 050 VEL 12 SEA HT 2 SWELL AMT 1 DIR 050

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0003	15	00.44	277
0010	14	00.17	321

CRUISE BB 268 CURRENT STATION 080 TYPE METER MAGNESYN

DATE 08/15/60 TIME 1745 TO 1800 ZN 11 LAT 66-07N LONG 162-42W
SDG 08.6M WIND DIR 020 VEL 10 SEA HT 2 SWELL AMT 1 DIR 020

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0004	16	00.23	213

CRUISE BB 268 CURRENT STATION 081 TYPE METER MAGNESYN

DATE 08/15/60 TIME 2152 TO 2201 ZN 11 LAT 66-15N LONG 163-38W
SDG 09.8M WIND DIR 050 VEL 03 SEA HT 2 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	01	00.15	113

CRUISE BB 268 CURRENT STATION 082 TYPE METER MAGNESYN

DATE 15/08/60 TIME 2330 TO 2335 ZN 11 LAT 66-24N LONG 163-34W
SDG 10.3M WIND DIR 150 VEL 14 SEA HT 2 SWELL AMT 1 DIR 250

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	01	00.20	063

CRUISE BB 268 CURRENT STATION 083 TYPE METER MAGNESYN

DATE 08/16/60 TIME 0330 TO 0400 ZN 11 LAT 66-14N LONG 162-43W
SDG 12.0M WIND DIR 150 VEL 02 SEA HT 2 SWELL AMT 1 DIR 090

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	14	00.38	208
0010	15	00.20	280

CRUISE BB 268 CURRENT STATION 084 TYPE METER MAGNESYN

DATE 08/16/60 TIME 0740 TO 0800 ZN 11 LAT 66-06N LONG 166-50W
SDG 06.0M WIND DIR 040 VEL 06 SEA HT 2 SWELL AMT 1 DIR 040

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0004	16	00.21	080

CRUISE BB 268 CURRENT STATION 085 TYPE METER MAGNESYN

DATE 08/16/60 TIME 0945 TO 1000 ZN 11 LAT 66-15N LONG 161-46W
SDG 06.5M WIND DIR 020 VEL 14 SEA HT 2 SWELL AMT 1 DIR 020

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0004	01	00.25	075

CRUISE BB 268 CURRENT STATION 086 TYPE METER MAGNESYN

DATE 08/16/60 TIME 1505 TO 1519 ZN 11 LAT 66-22N LONG 161-57W
SDG 09.0M WIND DIR 010 VEL 10 SEA HT 2 SWELL AMT 1 DIR 010

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.35	165

CRUISE BB 268 CURRENT STATION 087 TYPE METER MAGNESYN

DATE 08/16/60 TIME 1708 TO 1749 ZN 11 LAT 66-34N LONG 163-12W
SDG 22.0M WIND DIR 050 VEL 10 SEA HT 2 SWELL AMT 1 DIR 050

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.22	337
0018	14	00.35	188

CRUISE BB 268 CURRENT STATION 088 TYPE METER MAGNESYN

DATE 08/16/60 TIME 2004 TO 2030 ZN 11 LAT 66-39N LONG 163-46W
SDG 21.4M WIND DIR 000 VEL 12 SEA HT 2 SWELL AMT 1 DIR 330

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.55	098
0019	10	00.45	104

CRUISE BB 268 CURRENT STATION 089 TYPE METER MAGNESYN

DATE 08/16/60 TIME 2042 TO 2239 ZN 11 LAT 66-51N LONG 163-42W
SDG 20.1M WIND DIR 020 VEL 10 SEA HT 2 SWELL AMT 1 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.24	173
0017	10	00.27	009

CRUISE BB 268 CURRENT STATION 097 TYPE METER MAGNESYN

DATE 08/18/60 TIME 1758 TO 1835 ZN 11 LAT 67-44N LONG 164-40W
SDG 12.2M WIND DIR 300 VEL 12 SEA HT 2 SWELL AMT 1 DIR 300

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	16	00.87	308
0008	11	00.61	317

CRUISE BB 268 CURRENT STATION 098 TYPE METER MAGNESYN

DATE 08/19/60 TIME 0807 TO 0833 ZN 11 LAT 67-30N LONG 165-52W
SDG 39.7M WIND DIR 330 VEL 04 SEA HT 1 SWELL AMT 1 DIR 300

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.51	032
0020	10	00.39	017

CRUISE BB 268 CURRENT STATION 099 TYPE METER MAGNESYN

DATE 19/08/60 TIME 1203 TO 1228 ZN 11 LAT 67-31N LONG 165-50W
SDG 40.0M WIND DIR 330 VEL 09 SEA HT 1 SWELL AMT 1 DIR 350

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.29	016
0020	05	00.22	027
0030	05	00.20	027

CRUISE BB 268 CURRENT STATION 100 TYPE METER MAGNESYN

DATE 08/19/60 TIME 2003 TO 2020 ZN 11 LAT 67-31N LONG 165-49W

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.53	340
0020	07	00.49	014

CRUISE BB 268 CURRENT STATION 100A TYPE METER MAGNESYN

DATE 08/19/60 TIME 2104 TO 2124 ZN 11 LAT 67-31N LONG 165-49W
SDG 40.0M WIND DIR 330 VEL 10 SEA HT 1 SWELL AMT 1 DIR 350

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.41	004
0020	05	00.49	015

CRUISE BB 268 CURRENT STATION 101 TYPE METER MAGNESYN

DATE 08/19/60 TIME 2304 TO 2322 ZN 11 LAT 67-33N LONG 165-47W
SDG 42.7M WIND DIR 320 VEL 06 SEA HT 1 SWELL AMT 1 DIR 310

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.41	357
0020	07	00.41	017

CRUISE BB 268 CURRENT STATION 101A TYPE METER MAGNESYN

DATE 08/20/60 TIME 0017 TO 0041 ZN 11 LAT 67-33N LONG 165-47W
SDG 42.7M WIND DIR 320 VEL 06 SEA HT 1 SWELL AMT 1 DIR 310

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.41	022
0020	07	00.33	006

CRUISE BB 268 CURRENT STATION 101B TYPE METER MAGNESYN

DATE 08/20/60 TIME 0106 TO 0122 ZN 11 LAT 67-33N LONG 165-47W
SDG 42.7M WIND DIR 320 VEL 06 SEA HT 1 SWELL AMT 1 DIR 310

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.41	025
0020	07	00.33	000

CRUISE BB 268 CURRENT STATION 102 TYPE METER MAGNESYN

DATE 08/20/60 TIME 0245 TO 0300 ZN 11 LAT 67-34N LONG 165-46W
SDG 43.0M WIND DIR 320 VEL 10 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.29	011
0020	07	00.31	010

CRUISE BB 268 CURRENT STATION 102A TYPE METER MAGNESYN

DATE 08/20/60 TIME 0352 TO 0416 ZN 11 LAT 67-34N LONG 165-46W
SDG 43.0M WIND DIR 320 VEL 10 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.33	057
0020	11	00.34	007

CRUISE BB 268 CURRENT STATION 102B TYPE METER MAGNESYN

DATE 08/20/60 TIME 0455 TO 0517 ZN 11 LAT 67-34N LONG 165-46W
SDG 43.0M WIND DIR 320 VEL 10 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.25	044
0020	10	00.45	008

CRUISE BB 268 CURRENT STATION 102C TYPE METER MAGNESYN

DATE 08/20/60 TIME 0549 TO 0611 ZN 11 LAT 67-34N LONG 165-46W
SDG 43.0M WIND DIR 320 VEL 10 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.33	018
0020	10	00.41	006

CRUISE BB 268 CURRENT STATION 105 TYPE METER MAGNESYN

DATE 08/20/60 TIME 1452 TO 1508 ZN 11 LAT 67-34N LONG 165-44W
SDG 42.1M WIND DIR 300 VEL 09 SEA HT 1 SWELL AMT 1 DIR 300

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.37	357
0020	07	00.37	357

CRUISE BB 268 CURRENT STATION 105A TYPE METER MAGNESYN

DATE 08/20/60 TIME 1613 TO 1633 ZN 11 LAT 67-34N LONG 165-44W
SDG 42.1M WIND DIR 300 VEL 09 SEA HT 1 SWELL AMT 1 DIR 300

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	11	00.27	288
0020	08	00.53	360

CRUISE BB 268 CURRENT STATION 105B TYPE METER MAGNESYN

DATE 08/20/60 TIME 1702 TO 1717 ZN 11 LAT 67-34N LONG 165-44W
SDG 42.1M WIND DIR 300 VEL 09 SEA HT 1 SWELL AMT 1 DIR 300

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.21	330
0020	07	00.41	360

CRUISE BB 268 CURRENT STATION 105C TYPE METER MAGNESYN

DATE 08/20/60 TIME 1758 TO 1813 ZN 11 LAT 67-34N LONG 165-44W
SDG 42.1M WIND DIR 300 VEL 09 SEA HT 1 SWELL AMT 1 DIR 300

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.39	009
0020	07	00.33	347

CRUISE BB 268 CURRENT STATION 106 TYPE METER MAGNESYN

DATE 08/20/60 TIME 1923 TO 1936 ZN 11 LAT 67-39N LONG 165-44W
SDG 41.6M WIND DIR 300 VEL 06 SEA HT 1 SWELL AMT 1 DIR 300

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.33	348
0020	07	00.41	352

CRUISE BB 268 CURRENT STATION 106A TYPE METER MAGNESYN

DATE 08/20/60 TIME 2026 TO 2036 ZN 11 LAT 67-39N LONG 165-44W
SDG 41.6M WIND DIR 300 VEL 06 SEA HT 1 SWELL AMT 1 DIR 300

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.29	336
0020	05	00.41	346

CRUISE BB 268 CURRENT STATION 107 TYPE METER MAGNESYN

DATE 08/20/60 TIME 2338 TO 2345 ZN 11 LAT 67-41N LONG 165-46W
SDG 42.7M WIND DIR 330 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.49	330
0020	01	00.49	330

CRUISE BB 268 CURRENT STATION 107A TYPE METER MAGNESYN

DATE 08/21/60 TIME 0023 TO 0038 ZN 11 LAT 67-41N LONG 165-46W
SDG 42.7M WIND DIR 330 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.53	331
0020	07	00.49	325

CRUISE BB 268 CURRENT STATION 107B TYPE METER MAGNESYN

DATE 08/21/60 TIME 0131 TO 0153 ZN 11 LAT 67-41N LONG 165-46W
SDG 42.7M WIND DIR 330 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.41	316
0020	06	00.41	310

CRUISE BB 268 CURRENT STATION 107C TYPE METER MAGNESYN

DATE 08/21/60 TIME 0229 TO 0252 ZN 11 LAT 67-41N LONG 165-46W
SDG 42.7M WIND DIR 330 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.41	315
0020	04	00.20	315

CRUISE BB 268 CURRENT STATION 108 TYPE METER MAGNESYN

DATE 08/21/60 TIME 0404 TO 0419 ZN 11 LAT 67-42N LONG 165-50W
SDG 42.4M WIND DIR 000 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.45	339
0020	07	00.41	334

CRUISE BB 268 CURRENT STATION 108A TYPE METER MAGNESYN

DATE 08/21/60 TIME 0503 TO 0518 ZN 11 LAT 67-42N LONG 165-50W
SDG 42.4M WIND DIR 000 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.45	350
0020	07	00.41	339

CRUISE BB 268 CURRENT STATION 108B TYPE METER MAGNESYN

DATE 08/21/60 TIME 0602 TO 0617 ZN 11 LAT 67-42N LONG 165-50W
SDG 42.4M WIND DIR 000 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.49	343
0020	07	00.45	323

CRUISE BB 268 CURRENT STATION 108C TYPE METER MAGNESYN

DATE 08/21/60 TIME 0703 TO 0717 ZN 11 LAT 67-42N LONG 165-50W
SDG 42.4M WIND DIR 000 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.49	332
0020	07	00.41	321

CRUISE BB 268 CURRENT STATION 108D TYPE METER MAGNESYN

DATE 08/21/60 TIME 0749 TO 0801 ZN 11 LAT 67-42N LONG 165-50W
SDG 42.4M WIND DIR 000 VEL 04 SEA HT 1 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.45	330
0020	05	00.45	323

CRUISE BB 268 CURRENT STATION 112 TYPE METER MAGNESYN

DATE 08/21/60 TIME 1133 TO 1156 ZN 11 LAT 67-44N LONG 165-52W
SDG 40.6M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.53	326
0020	11	00.45	332

CRUISE BB 268 CURRENT STATION 112A TYPE METER MAGNESYN

DATE 08/21/60 TIME 1305 TO 1330 ZN 11 LAT 67-44N LONG 165-52W
SDG 40.6M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	04	00.45	325
0020	06	00.41	328

CRUISE BB 268 CURRENT STATION 112B TYPE METER MAGNESYN

DATE 08/21/60 TIME 1404 TO 1425 ZN 11 LAT 67-44N LONG 165-52W
SDG 40.6M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.49	326
0020	05	00.45	331

CRUISE BB 268 CURRENT STATION 113 TYPE METER MAGNESYN

DATE 08/21/60 TIME 1575 TO 1616 ZN 11 LAT 67-46N LONG 165-54W
SDG 41.2M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 1 DIR *

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	04	00.61	333
0020	04	00.49	348

CRUISE BB 268 CURRENT STATION 113A TYPE METER MAGNESYN

DATE 08/21/60 TIME 1707 TO 1724 ZN 11 LAT 67-46N LONG 165-54W
SDG 41.2M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 1 DIR *

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.41	355
0020	04	00.41	344

CRUISE BB 268 CURRENT STATION 113B TYPE METER MAGNESYN

DATE 08/21/60 TIME 1800 TO 1816 ZN 11 LAT 67-46N LONG 165-54W
SDG 41.2M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 1 DIR *

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.41	352
0020	08	00.49	347

CRUISE BB 268 CURRENT STATION 114 TYPE METER MAGNESYN

DATE 08/21/60 TIME 2002 TO 2023 ZN 11 LAT 67-47N LONG 165-55W
SDG 42.7M WIND DIR 330 VEL 05 SEA HT 1 SWELL AMT 1 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.37	320
0020	05	00.37	320

CRUISE BB 268 CURRENT STATION 114A TYPE METER MAGNESYN

DATE 08/21/60 TIME 2104 TO 2129 ZN 11 LAT 67-47N LONG 165-55W
SDG 42.7M WIND DIR 330 VEL 05 SEA HT 1 SWELL AMT 1 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.41	329
0020	05	00.45	316

CRUISE BB 268 CURRENT STATION 115 TYPE METER MAGNESYN

DATE 08/22/60 TIME 0156 TO 0217 ZN 11 LAT 67-49N LONG 166-00W
SDG 51.0M WIND DIR 050 VEL 04 SEA HT 1 SWELL AMT 1 DIR *

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.49	318
0020	05	00.53	308

CRUISE BB 268 CURRENT STATION 115A TYPE METER MAGNESYN

DATE 08/22/60 TIME 0305 TO 0326 ZN 11 LAT 67-49N LONG 166-00W
SDG 51.0M WIND DIR 050 VEL 04 SEA HT 1 SWELL AMT 1 DIR *

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.49	325
0020	06	00.53	318

CRUISE BB 268 CURRENT STATION 115B TYPE METER MAGNESYN

DATE 08/22/60 TIME 0412 TO 0428 ZN 11 LAT 67-49N LONG 166-00W
SDG 51.0M WIND DIR 050 VEL 04 SEA HT 1 SWELL AMT 1 DIR *

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.53	293
0020	08	00.53	317

CRUISE BB 268 CURRENT STATION 115C TYPE METER MAGNESYN

DATE 08/22/60 TIME 0443 TO 0459 ZN 11 LAT 67-49N LONG 166-00W
SDG 51.0M WIND DIR 050 VEL 04 SEA HT 1 SWELL AMT 1 DIR *

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.57	315
0020	08	00.49	298

CRUISE BB 268 CURRENT STATION 116 TYPE METER MAGNESYN

DATE 08/22/60 TIME 0643 TO 0725 ZN 11 LAT 67-51N LONG 166-04W
SDG 51.2M WIND DIR 030 VEL 04 SEA HT 0 SWELL AMT 1 DIR 100

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	15	00.53	314
0020	10	00.53	313

CRUISE BB 268 CURRENT STATION 116A TYPE METER MAGNESYN

DATE 08/22/60 TIME 0857 TO 0901 ZN 11 LAT 67-51N LONG 166-04W
SDG 51.2M WIND DIR 030 VEL 04 SEA HT 0 SWELL AMT 1 DIR 100

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005			
0020	05	00.53	317

CRUISE BB 268 CURRENT STATION 117 TYPE METER MAGNESYN

DATE 08/22/60 TIME 1218 TO 1241 ZN 11 LAT 67-52N LONG 166-09W
SDG 47.9M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 1 DIR 280

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.65	311
0020	05	00.65	309

CRUISE BB 268 CURRENT STATION 117A TYPE METER MAGNESYN

DATE 08/22/60 TIME 1320 TO 1340 ZN 11 LAT 67-52N LONG 166-09W
ODG 47C9M WIND DIR --- VEL 00 SEA HT 1 SWELL AMT 1 DIR 280

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.69	297
0020	05	00.69	306

CRUISE BB 268 CURRENT STATION 121 TYPE METER MAGNESYN

DATE 08/22/60 TIME 1933 TO 1950 ZN 11 LAT 67-56N LONG 166-20W
SDG 47.5M WIND DIR 250 VEL 06 SEA HT 1 SWELL AMT 1 DIR 250

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.65	334
0020	10	00.74	313

CRUISE BB 268 CURRENT STATION 121A TYPE METER MAGNESYN

DATE 08/23/60 TIME 2353 TO 0203 ZN 11 LAT 67-56N LONG 166-20W
SDG 47.5M WIND DIR 250 VEL 06 SEA HT 1 SWELL AMT 1 DIR 250

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.86	306
0010	05	00.90	312
0015	05	00.94	313
0020	05	00.88	310
0025	05	00.90	313
0030	06	00.94	313
0035	05	00.76	313
0040	07	00.76	314
0045	08	00.69	308

CRUISE BB 268 CURRENT STATION 122 TYPE METER MAGNESYN

DATE 08/22/60 TIME 0318 TO 0338 ZN 11 LAT 67-57N LONG 166-27W
SDG 46.7M WIND DIR 290 VEL 08 SEA HT 1 SWELL AMT 1 DIR 270

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.94	320
0020	05	00.82	320

CRUISE BB 268 CURRENT STATION 123 TYPE METER MAGNESYN

DATE 08/23/60 TIME 0423 TO 0439 ZN 11 LAT 67-59N LONG 166-33W
SDG 47.0M WIND DIR 270 VEL 09 SEA HT 1 SWELL AMT 1 DIR 270

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	09	00.90	330
0020	08	00.78	318

CRUISE BB 268 CURRENT STATION 123A TYPE METER MAGNESYN

DATE 08/23/60 TIME 0539 TO 0554 ZN 11 LAT 67-59N LONG 166-33W
SDG 47.0M WIND DIR 270 VEL 09 SEA HT 1 SWELL AMT 1 DIR 270

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.65	334
0020	07	00.65	316

CRUISE BB 268 CURRENT STATION 123B TYPE METER MAGNESYN

DATE 08/23/60 TIME 0632 TO 0647 ZN 11 LAT 67-59N LONG 166-33W
SDG 47.0M WIND DIR 270 VEL 09 SEA HT 1 SWELL AMT 1 DIR 270

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.57	331
0020	08	00.61	315

CRUISE BB 268 CURRENT STATION 124 TYPE METER MAGNESYN

DATE 08/23/60 TIME 0727 TO 0743 ZN 11 LAT 68-01N LONG 166-38W
SDG 44.0M WIND DIR 160 VEL 04 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.53	334
0020	08	00.61	317

CRUISE BB 268 CURRENT STATION 124A TYPE METER MAGNESYN

DATE 08/23/60 TIME 1042 TO 1100 ZN 11 LAT 68-01N LONG 166-38W
SDG 44.0M WIND DIR 160 VEL 04 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	07	00.57	316
0020	06	00.60	317

CRUISE BB 268 CURRENT STATION 126 TYPE METER MAGNESYN

DATE 08/23/60 TIME 1443 TO 1505 ZN 11 LAT 67-59N LONG 166-58W
SDG 56.0M WIND DIR 270 VEL 04 SEA HT 1 SWELL AMT 1 DIR 140

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	00.73	320
0020	05	00.79	307

CRUISE BB 268 CURRENT STATION 127 TYPE METER MAGNESYN

DATE 08/23/60 TIME 1638 TO 1654 ZN 11 LAT 67-05N LONG 166-54W
SDG 47.5M WIND DIR 240 VEL 04 SEA HT 1 SWELL AMT 1 DIR 140

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.65	339
0020	08	00.57	305

CRUISE BB 268 CURRENT STATION 128 TYPE METER MAGNESYN

DATE 08/23/60 TIME 1756 TO 1812 ZN 11 LAT 68-08N LONG 166-52W
SDG 40.8M WIND DIR 270 VEL 04 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	01.10	315
0020	08	00.65	308

CRUISE BB 268 CURRENT STATION 129 TYPE METER MAGNESYN

DATE 08/23/60 TIME 1911 TO 1927 ZN 11 LAT 68-06N LONG 166-53W
SDG 44.0M WIND DIR 280 VEL 06 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.49	311
0020	08	00.61	322

CRUISE BB 268 CURRENT STATION 130 TYPE METER MAGNESYN

DATE 08/23/60 TIME 2158 TO 2218 ZN 11 LAT 68-15N LONG 166-48W
SDG 32.0M WIND DIR 240 VEL 09 SEA HT 0 SWELL AMT 1 DIR 270

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	09	00.57	319
0020	08	00.57	313

CRUISE BB 268 CURRENT STATION 131 TYPE METER MAGNESYN

DATE 08/23/60 TIME 2315 TO 2334 ZN 11 LAT 68-20N LONG 166-46W
SDG 24.0M WIND DIR 320 VEL 06 SEA HT 0 SWELL AMT 1 DIR 270

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	08	00.94	283
0020	08	00.49	296

CRUISE BB 268 CURRENT STATION 131A TYPE METER MAGNESYN

DATE 08/24/60 TIME 0030 TO 0103 ZN 11 LAT 68-23N LONG 166-53W
SDG 12.7M WIND DIR 270 VEL 06 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.74	011
0010	15	00.61	011

CRUISE BB 268 CURRENT STATION 131B TYPE METER MAGNESYN

DATE 08/24/60 TIME 0138 TO 0158 ZN 11 LAT 68-24N LONG 166-58W
SDG 18.1M WIND DIR 270 VEL 04 SEA HT 1 SWELL AMT 0 DIR ---

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.65	004
0015	10	00.49	004

CRUISE BB 268 CURRENT STATION 131C TYPE METER MAGNESYN

DATE 08/24/60 TIME 0259 TO 0337 ZN 11 LAT 68-28N LONG 166-46W
SDG 53.3M WIND DIR 240 VEL 04 SEA HT 1 SWELL AMT 1 DIR 240

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	12	00.29	326
0020	15	00.41	295

CRUISE BB 268 CURRENT STATION 131D TYPE METER MAGNESYN

DATE 08/24/60 TIME 0413 TO 0456 ZN 11 LAT 68-26N LONG 166-42W
SDG 18.8M WIND DIR 220 VEL 04 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	10	00.18	306
0010	15	00.19	275

CRUISE BB 268 CURRENT STATION 139 TYPE METER MAGNESYN

DATE 08/26/60 TIME 2250 TO 2330 ZN 11 LAT 65-22N LONG 167-33W
SDG 25.7M WIND DIR 010 VEL 10 SEA HT 2 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	02	01.44	295
0010	02	01.36	283
0015	01	00.98	295
0020	04	00.49	293

CRUISE BB 268 CURRENT STATION 140 TYPE METER MAGNESYN

DATE 08/27/60 TIME 0830 TO 0839 ZN 11 LAT 65-16N LONG 166-47W
SDG 10.3M WIND DIR 330 VEL 16 SEA HT 1 SWELL AMT 1 DIR 330

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	--	VERY SLIGHT	---

CRUISE BB 268 CURRENT STATION 141 TYPE METER MAGNESYN

DATE 08/27/60 TIME 1404 TO 1434 ZN 11 LAT 65-21N LONG 167-28W
SDG 43.6M WIND DIR 320 VEL 15 SEA HT 1 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	12	00.96	312
0018	15	00.33	353

CRUISE BB 268 CURRENT STATION 142 TYPE METER MAGNESYN

DATE 08/27/60 TIME 1703 TO 1734 ZN 11 LAT 65-12N LONG 167-57W
SDG 32.0M WIND DIR 320 VEL 22 SEA HT 2 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.84	284
0020	11	01.05	335

CRUISE BB 268 CURRENT STATION 143 TYPE METER MAGNESYN

DATE 08/27/60 TIME 2015 TO 2040 ZN 11 LAT 65-03N LONG 168-24W
SDG 42.7M WIND DIR 330 VEL 24 SEA HT 3 SWELL AMT 1 DIR 330

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	05	01.06	315
0020	07	00.82	337
0030	01	00.74	330

CRUISE BB 268 CURRENT STATION 144 TYPE METER MAGNESYN

DATE 08/27/60 TIME 2241 TO 2306 ZN 11 LAT 64-55N LONG 168-10W
SDG 39.7M WIND DIR 340 VEL 17 SEA HT 3 SWELL AMT 1 DIR 340

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	--	00.50	250
0020	--	00.37	230

CRUISE BB 268 CURRENT STATION 145 TYPE METER MAGNESYN

DATE 08/28/60 TIME 0119 TO 0143 ZN 11 LAT 64-48N LONG 167-50W
SDG 31.0M WIND DIR 000 VEL 12 SEA HT 3 SWELL AMT 1 DIR 000

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	06	00.63	345
0020	08	00.60	344

CRUISE BB 268 CURRENT STATION 146 TYPE METER MAGNESYN

DATE 08/28/60 TIME 0353 TO 0417 ZN 11 LAT 64-41N LONG 167-28W
SDG 29.0M WIND DIR 030 VEL 10 SEA HT 2 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	11	00.67	356
0020	12	00.79	308

CRUISE BB 268 CURRENT STATION 147 TYPE METER MAGNESYN

DATE 08/28/60 TIME 0632 TO 0648 ZN 11 LAT 64-34N LONG 167-08W
SDG 27.5M WIND DIR 010 VEL 10 SEA HT 2 SWELL AMT 1 DIR 320

DEPTH (M)	NUMBER OF OBSERVATIONS	MEAN VELOCITY (KNOTS)	MEAN DIRECTION (SET, DEGREES TRUE)
0005	12	00.94	323
0020	11	00.75	293

SPECIAL CURRENT OBSERVATIONS

Listed below are current observations taken while at anchor at Cape Krusenstern August 17 to 18, 1960. Readings were taken for a 26.5 hour period with the Magnesyn Current Meter alternately at the 4- and 8-meter levels. These readings are for the time listed and are not average values although an almost continuous record of the currents was made. The time is for zone 11.

Time	Depth	Velocity (knots)	Direction (°True)
17 August 1960			
0200	4	.15	145
	8	.1	270
0300	4	.2	220
	8	.15	270
0400	4	.2	220
	8	.14	260
0500	4	.2	230
	8	.15	210
0600	4	.2	235
	8	.2	165
0700	4	.2	160
	8	.3	160
0800	4	.2	155
	8	.3	130
0900	4	.9	105
	8	.8	105
1000	4	.7	145
	8	.5	100
1100	4	.7	140
	8	.5	120
1230	4	.4	125
	8	.25	085
1400	4	.3	250
	8	.15	045
1500	4	.1	280
	8	.1	280
1600	4	.1	280
	8	.1	280
1700	4	.1	280
	8	.1	280
1800	4	.1	280
	8	.1	280

(continued)

Special Current Observations (continued)

Time	Depth	Velocity (knots)	Direction (°True)
1900	4	.1	320
	8	.1	210
1930	4	.1	335
	8	.1	210
2100	4	.15	010
	8	0	---
2200	4	.4	005
	8	.2	080
2300	4	.3	185
	8	.1	080
18 August 1960			
000	4	0	---
	8	0	---
0100	4	.4	270
	8	.15	295
0230	4	.6	290
	8	.10	315