

NOAA Data Report ERL PMEL-6

DISSOLVED METHANE CONCENTRATIONS IN THE SOUTHEAST BERING SEA,  
1980 AND 1981

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DISSOLVED METHANE CONCENTRATIONS IN THE  
SOUTHEAST BERING SEA, 1980 AND 1981

Charles N. Katz, Joel D. Cline and Kimberly Kelly-Hansen

## 1. Introduction

Dissolved methane was measured in the southeastern Bering Sea (fig. 1) as a part of the Outer Continental Shelf Environmental Assessment Program (OCSEAP) sponsored by the Bureau of Land Management (BLM) and administered by the National Oceanic and Atmospheric Administration (NOAA). The purpose of this program is to identify potential environmental impacts to marine resources prior to the leasing and development of offshore petroleum and gas. These data were collected to assess the spatial and seasonal distributions of methane in order to estimate Lagrangian space scales and the magnitude of diffusive transport processes.

On previous visits to the southeastern Bering Sea, a source of dissolved methane appeared to emanate from Port Moller along the Alaska Peninsula and from the bottom sediments of Saint George Basin (see figure 1). By obtaining the spatial information in conjunction with circulation and microbiological studies, the dispersion of methane from its source could be modeled using appropriate horizontal or vertical diffusion parameters.

This data report summarizes dissolved methane concentration data made on three cruises during 1980 and 1981. Chronologically, the cruise number and inclusive dates covered are: RP-4-SU-80A-IV, 13 Aug-07 Sep 1980; RP-4-SU-81A-I, 26 Jan-19 Feb 1981; RP-4-DI-81A-II, 11 May-04 Jun 1981. A total of 2634 discrete observations of dissolved methane were made.

## 2. Methods

### 2.1 Sampling

Discrete water column samples were obtained with 5-L Niskin bottles attached to a General Oceanics Rosette fitted with a Plessey Environmental Systems model 9040 CTD. A 1-L aliquot was taken from the Niskin samplers and stored in a glass-stoppered bottle until analyzed; usually within one hour of sampling.

### 2.2 Methane Analysis

#### 2.2.1 Preconcentration

The analysis of methane was accomplished routinely in the field using a purge and trap technique adopted from Swinnerton and Linnenbom (1967). The method involves removal of the dissolved gases from a 0.2 L volume of seawater by helium purging. The gases removed from solution passed through

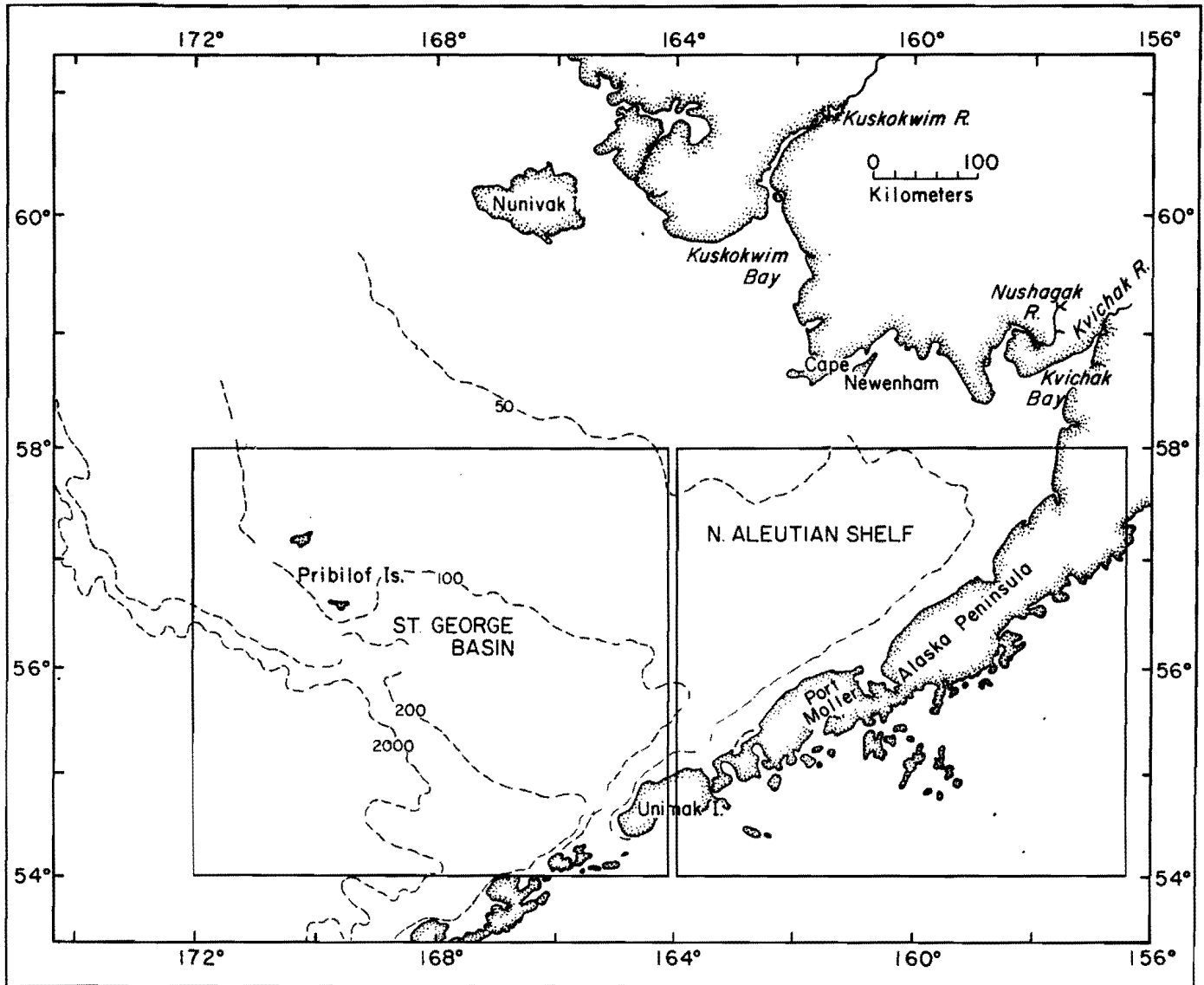


Figure 1.--Southeast Bering Sea study area.

Ascarite<sup>®</sup>, Drierite<sup>®</sup> and Tenax G.C.<sup>®</sup> traps to remove carbon dioxide, water vapor and heavy hydrocarbons respectively, before being concentrated on an activated alumina trap held at -196°C. After quantitative removal of the gases from solution ( $\cong 6$  minutes with a purge rate of  $100 \text{ mL min}^{-1}$ ), the activated alumina trap was warmed to 100°C and the gases backflushed into a gas chromatograph.

### 2.2.2 Gas Chromatography

Detection and quantitation of methane was carried out on a Hewlett-Packard 5710A gas chromatograph equipped with dual flame ionization detectors (FID). The column packing used was activated alumina, 60-80 mesh (1.8 m x 0.48 cm o.d.). The column temperature was held at 100°C.

Quantitation of the methane was obtained by comparing the relative detector response of a methane gas standard with that of a sample. Standard gases prepared by Matheson Gas Products were intercalibrated with a standard gas analyzed by the National Bureau of Standards (NBS). Analytical precision was generally less than 1% while accuracy, based on the NBS intercalibration, was 5%. The detection limit of the method, based on a signal-to-noise ratio of 2 is approximately  $5 \text{ nL L}^{-1}$ . A detailed discussion of the method can be found in Katz (1980).

### 2.3 Salinity-temperature Data

Conductivity, temperature and pressure data were collected using Plessey Systems model 9040 CTD with model 8400 data logger. These systems sampled five times per second for values of temperature, conductivity and pressure. Data were recorded during the down-cast using a lowering rate of  $30 \text{ m min}^{-1}$ . Nansen bottle samples were taken on every other cast to provide temperature and salinity calibration. Nominal precision of the salinity and temperature data are  $\pm 0.02 \text{ g kg}^{-1}$  and  $\pm 0.02^\circ\text{C}$  respectively.

## 3. Organization and Explanation of Data Tables

The data presented in Appendices A-C are organized in a hierarchy of cruise (chronological order), station and depth distribution. Each cruise is presented in a separate appendix. Station data include: Station number; latitude and longitude to the nearest tenth of a degree; local data and time of sampling; Greenwich Mean Time zone; and depth to the bottom in meters. Depth information includes: depth of the sample in meters; water temperature in degrees centigrade; salinity in grams per kilogram; sigma-t; dissolved methane concentration in nanoliters of methane gas per liter seawater corrected to standard temperature and pressure (STP); dissolved methane equilibrium solubility calculated from the equations of Yamamoto et al. (1976) and using the atmospheric mixing ratio of 1.72 parts per million by volume (Heidt et al., 1980); and the methane solubility ratio,  $C/C^*$ , which is the ratio of the observed methane concentration to the equilibrium solubility methane concentration. Data not available are indicated by an asterisk(\*).

#### 4. Acknowledgements

The authors would like to thank Dwight Daniels and Anthony Young for helping with the analysis of samples. A special thanks also goes to the Captains and crews of the NOAA ships *Surveyor* and *Discoverer*.



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APPENDIX A

RP-4-SU-80A-IV

13 Aug-07 Sep 1980

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA1A	58 0.3N	158 32.5W	21 AUG	1350	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	11.80	26.40	20.00	385.0	60.66	6.34
10	11.48	27.96	21.26	381.0	60.48	6.29
21	11.06	28.88	22.05	380.0	60.70	6.26
22	11.05	28.90	22.07	394.0	60.70	6.49

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA2A	57 59.6N	158 19.3W	21 AUG	1240	+ 9	29
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	12.01	24.53	18.52	386.0	61.12	6.31
10	11.47	28.59	21.75	375.0	60.24	6.22
22	11.18	29.28	22.34	385.0	60.37	6.37
24	11.18	29.28	22.34	405.0	60.37	6.70

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA3A	58 0.1N	158 6.2W	21 AUG	1140	+ 9	30
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	12.06	24.24	18.29	393.0	61.16	6.42
5	12.01	25.28	19.10	392.0	60.81	6.44
25	11.51	29.20	22.22	371.0	59.94	6.18

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA4A	58 1.5N	157 52.6W	21 AUG	0840	+ 9	24
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	11.80	26.92	20.40	551.0	60.45	9.11
5	11.80	27.93	21.19	534.0	60.04	8.89
9	11.80	28.42	21.56	507.0	59.85	8.47
17	11.80	28.67	21.76	484.0	59.75	8.09

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA5	57 51.2N	158 54.7W	21 AUG	1915	+ 9	44
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	11.08	29.09	22.21	373.0	60.58	6.15
10	10.62	29.54	22.63	378.0	61.05	6.19
21	10.10	29.98	23.06	384.0	61.62	6.23
40	10.00	30.12	23.19	337.0	61.71	5.46

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA6	57 47.2N	158 47.0W	21 AUG	2100	+ 9	43
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.84	30.09	23.02	343.0	60.52	5.66
11	10.45	30.19	23.17	377.0	61.03	6.17
22	10.06	30.39	23.39	414.0	61.51	6.72
29	10.06	30.39	23.39	394.0	61.51	6.40
36	10.05	30.38	23.38	370.0	61.53	6.01

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA7	57 44.0N	158 38.2W	21 AUG	2220	+ 9	43
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.12	30.80	23.70	396.0	61.25	6.46
10	10.10	30.80	23.70	398.0	61.28	6.49
28	10.10	30.82	23.72	416.0	61.28	6.78
38	10.11	30.82	23.71	412.0	61.26	6.72

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA8	57 39.9N	158 30.0W	21 AUG	2335	+ 9	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.21	30.97	23.81	376.0	61.06	6.15
4	10.22	30.96	23.80	510.0	61.05	8.35
10	10.19	30.96	23.81	412.0	61.09	6.74
20	10.20	30.96	23.81	416.0	61.07	6.81
30	10.20	30.96	23.81	505.0	61.07	8.26

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA9	57 36.0N	158 19.5W	22 AUG	0250	+ 9	36
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.74	30.83	23.62	511.0	60.36	8.46
5	10.74	30.82	23.61	405.0	60.36	6.70
10	10.71	30.82	23.61	408.0	60.41	6.75
21	10.72	30.83	23.62	412.0	60.39	6.82
27	10.72	30.83	23.62	409.0	60.39	6.77

CRUISE NUMBER  
RP-4-SU-ROA-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA10	57 32.0N	158 10.5W	22 AUG	0515	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.90	30.72	23.50	540.0	60.18	6.97
5	10.90	30.72	23.50	385.0	60.18	6.39
10	10.88	30.72	23.51	385.0	60.21	6.39
21	10.89	30.72	23.50	386.0	60.19	6.41

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA11	57 29.9N	159 24.2W	22 AUG	1450	+ 9	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.98	31.16	24.00	436.0	61.31	7.11
10	9.97	31.15	23.99	428.0	61.33	6.97
21	9.20	31.23	24.18	421.0	62.43	6.74
30	9.19	31.24	24.19	420.0	62.44	6.72
48	9.16	31.25	24.20	431.0	62.48	6.89

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA12	57 23.8N	159 14.9W	22 AUG	1330	+ 9	44
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.74	31.31	24.16	440.0	61.60	7.14
10	9.72	31.31	24.16	457.0	61.63	7.41
21	9.35	31.32	24.22	581.0	62.17	9.34
31	9.25	31.35	24.26	474.0	62.31	7.60
41	9.18	31.36	24.28	491.0	62.41	7.86

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA13	57 20.0N	159 8.3W	22 AUG	1230	+ 9	49
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.59	31.34	24.20	452.0	61.80	7.31
10	9.55	31.34	24.21	424.0	61.86	6.85
21	9.32	31.37	24.27	394.0	62.19	6.33
30	9.30	31.37	24.27	396.0	62.22	6.36
43	9.22	31.38	24.29	423.0	62.34	6.78

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA14	57 16.8N	159 3.9W	22 AUG	1130	+ 9	46
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
10	9.67	31.32	24.17	432.0	61.70	7.00
21	9.38	31.37	24.26	400.0	62.10	6.44
30	9.31	31.37	24.27	419.0	62.21	6.73
42	9.27	31.38	24.28	454.0	62.26	7.29

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA15	57 12.1N	158 56.4W	22 AUG	1015	+ 9	43
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.14	31.21	24.01	428.0	61.06	7.00
5	10.14	31.21	24.01	507.0	61.06	8.30
10	10.14	31.20	24.00	454.0	61.06	7.43
21	10.04	31.23	24.04	462.0	61.19	7.54
38	9.84	31.27	24.11	447.0	61.47	7.27

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA16	57 6.8N	158 47.0W	22 AUG	0840	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.44	30.91	23.73	502.0	60.75	8.26
4	10.45	30.91	23.73	526.0	60.74	8.65
6	10.47	30.90	23.72	519.0	60.71	8.54
25	10.40	30.99	23.80	481.0	60.78	7.91

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA17	57 11.4N	160 0.3W	22 AUG	1805	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	8.39	31.54	24.54	491.0	63.53	7.72
10	8.33	31.54	24.55	431.0	63.63	6.77
21	7.71	31.55	24.65	471.0	64.60	7.29
41	7.68	31.55	24.65	455.0	64.65	7.03
57	7.64	31.56	24.66	454.0	64.71	7.01

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA18	57 2.2N	159 49.8W	22 AUG	2045	+ 9	59
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	8.49	31.55	24.54	429.0	63.37	6.76
9	8.49	31.53	24.52	421.0	63.38	6.64
20	8.13	31.55	24.59	409.0	63.93	6.39
30	8.12	31.55	24.59	435.0	63.95	6.80
56	8.12	31.55	24.59	426.0	63.95	6.66



CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA19	56 56.2N	159 43.0W	22 AUG	2210	+ 9	44
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.49	31.49	24.34	387.0	61.89	6.25
10	9.47	31.48	24.33	376.0	61.92	6.07
19	9.08	31.45	24.37	399.0	62.52	6.38
42	8.27	31.54	24.56	418.0	63.72	6.55

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA20	56 51.1N	159 37.5W	22 AUG	2335	+ 9	46
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.42	31.09	23.87	787.0	60.71	12.96
10	9.60	31.42	24.26	780.0	61.75	12.62
20	9.55	31.45	24.29	487.0	61.82	7.87
28	9.50	31.47	24.32	397.0	61.88	6.41
41	9.50	31.47	24.32	399.0	61.88	6.44

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA21	56 48.2N	159 34.2W	23 AUG	0055	+ 9	39
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.45	31.11	23.88	952.0	60.66	15.69
6	10.48	31.11	23.88	825.0	60.61	13.60
11	10.44	31.11	23.88	828.0	60.67	13.64
21	10.34	31.15	23.93	843.0	60.80	13.86
33	9.82	31.40	24.21	489.0	61.44	7.95

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA22	56 43.2N	159 28.5W	23 AUG	0210	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.57	30.75	23.58	911.0	60.63	15.02
5	10.57	30.75	23.58	932.0	60.63	15.37
10	10.54	30.83	23.65	1280.0	60.64	21.10
20	10.46	31.08	23.86	1287.0	60.65	21.21

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA23	56 48.9N	160 28.6W	23 AUG	1040	+ 9	65
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	8.35	31.60	24.59	443.0	63.57	6.96
9	8.33	31.60	24.60	413.0	63.60	6.49
21	8.29	31.60	24.60	444.0	63.66	6.97
40	7.31	31.59	24.73	539.0	65.23	8.26
60	7.31	31.59	24.73	527.0	65.23	8.07

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA24	56 41.1N	160 19.6W	23 AUG	0220	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.31	31.10	23.90	430.0	60.51	7.10
20	8.82	31.58	24.51	448.0	62.49	7.16
30	8.77	31.59	24.52	388.0	62.56	6.20
56	8.65	31.60	24.55	402.0	62.74	6.40

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA24A	56 41.0N	160 18.4W	01 SEP	0445	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.69	31.45	24.27	385.0	61.26	6.28
11	9.72	31.44	24.26	373.0	61.22	6.09
21	8.75	31.56	24.50	440.0	62.61	7.02
30	8.71	31.56	24.51	490.0	62.67	7.81
53	8.68	31.57	24.52	465.0	62.71	7.41

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA25	56 37.3N	160 14.8W	23 AUG	0715	+ 9	51
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.35	31.18	23.95	407.0	60.42	6.73
10	10.34	31.18	23.96	482.0	60.43	7.97
21	9.06	31.54	24.44	445.0	62.15	7.15
30	8.83	31.58	24.51	382.0	62.48	6.11
48	8.78	31.59	24.52	388.0	62.55	6.20

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA25A	56 36.9N	160 13.6W	01 SEP	0540	+ 9	49
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.13	31.39	24.15	351.0	60.65	5.78
10	10.13	31.39	24.15	364.0	60.65	6.00
20	9.81	31.43	24.24	379.0	61.09	6.20
29	9.59	31.47	24.30	397.0	61.39	6.46
43	9.45	31.48	24.33	414.0	61.60	6.72

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA26	56 32.1N	160 10.4W	23 AUG	0615	+ 9	34
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.11	31.34	24.12	492.0	60.70	8.10
5	10.12	31.35	24.12	495.0	60.68	8.15
9	10.11	31.34	24.12	485.0	60.70	7.99
21	10.00	31.37	24.16	480.0	60.84	7.88
29	9.68	31.52	24.33	406.0	61.24	6.62

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA26A	56 31.9N	160 10.0W	01 SEP	0630	+ 9	33
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.18	31.39	24.15	3627.0	60.57	59.87
10	10.18	31.39	24.15	3604.0	60.57	59.49
21	10.18	31.39	24.15	3183.0	60.57	52.54
24	10.18	31.39	24.15	3214.0	60.57	53.05

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA27	56 29.0N	160 7.3W	23 AUG	0515	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.28	31.45	24.18	1034.0	60.41	17.11
5	10.28	31.45	24.18	1041.0	60.41	17.23
10	10.27	31.46	24.18	1069.0	60.42	17.69
15	10.27	31.46	24.18	1134.0	60.42	18.76
17	10.27	31.47	24.19	1153.0	60.41	19.08

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA27A	56 28.7N	160 5.5W	01 SEP	0720	+ 9	22

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.67	30.97	23.74	1373.0	60.05	22.86
6	10.66	30.97	23.74	1425.0	60.07	23.72
11	10.66	30.97	23.74	1404.0	60.07	23.37

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA28	56 41.8N	160 56.6W	23 AUG	1310	+ 9	65

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.07	31.63	24.66	394.0	63.99	6.15
11	8.03	31.62	24.66	396.0	64.06	6.18
21	7.75	31.62	24.70	371.0	64.50	5.75
42	7.54	31.64	24.74	578.0	64.83	8.91
60	7.42	31.64	24.76	373.0	65.03	5.73

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA29	56 35.2N	160 48.2W	23 AUG	1445	+ 9	63

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.28	31.59	24.45	375.0	62.16	6.03
10	9.28	31.59	24.45	360.0	62.16	5.79
21	9.25	31.59	24.45	344.0	62.20	5.52
41	8.41	31.61	24.59	349.0	63.47	5.49
59	8.24	31.63	24.63	371.0	63.73	5.82

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA30	56 29.9N	160 42.5W	23 AUG	1550	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.19	31.24	24.03	448.0	60.62	7.38
10	10.18	31.24	24.03	454.0	60.64	7.48
21	9.82	31.34	24.17	400.0	61.11	6.54
41	8.71	31.61	24.55	359.0	62.65	5.73
57	8.69	31.61	24.55	416.0	62.68	6.63

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA30A	56 30.0N	160 43.1W	31 AUG	2325	+ 9	50
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.39	31.38	24.10	348.0	60.28	5.77
11	10.38	31.38	24.10	348.0	60.29	5.77
21	9.37	31.47	24.34	362.0	61.72	5.86
41	9.00	31.58	24.48	352.0	62.22	5.65
56	8.98	31.58	24.49	352.0	62.25	5.65

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA31	56 24.9N	160 38.1W	23 AUG	1705	+ 9	50
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.94	31.38	24.18	450.0	60.92	7.38
5	9.94	31.38	24.18	421.0	60.92	6.90
10	9.93	31.38	24.18	435.0	60.94	7.13
30	9.83	31.40	24.21	428.0	61.07	7.00
45	9.02	31.60	24.49	356.0	62.18	5.72

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA31A	56 25.1N	160 38.5W	31 AUG	2210	+ 9	46

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	10.22	31.47	24.20	367.0	60.49	6.06
10	10.18	31.46	24.20	328.0	60.55	5.41
31	9.85	31.43	24.23	395.0	61.03	6.47
39	9.62	31.48	24.31	434.0	61.35	7.07

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA32	56 20.1N	160 32.9W	23 AUG	1825	+ 9	41

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.38	31.21	23.97	700.0	60.36	11.59
5	10.38	31.21	23.97	928.0	60.36	15.37
10	10.37	31.20	23.97	877.0	60.38	14.52
38	9.55	31.52	24.35	416.0	61.43	6.77

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA32A	56 19.9N	160 33.4W	31 AUG	2105	+ 9	29

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.31	31.38	24.12	542.0	60.39	8.97
6	10.30	31.39	24.13	538.0	60.40	8.90
12	10.28	31.39	24.13	536.0	60.43	8.86
24	10.28	31.38	24.12	535.0	60.44	8.85

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA33	56 15.3N	160 27.7W	23 AUG	1925	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.33	31.23	24.00	816.0	60.43	13.50
5	10.33	31.23	24.00	822.0	60.43	13.60
10	10.33	31.23	24.00	816.0	60.43	13.50
14	10.32	31.23	24.00	818.0	60.44	13.53

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA33A	56 14.7N	160 28.3W	31 AUG	2005	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.93	31.00	23.72	1032.0	59.68	17.29
5	10.93	31.00	23.72	988.0	59.68	16.55
11	10.92	30.99	23.71	973.0	59.70	16.29

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA34	56 34.5N	161 18.7W	20 AUG	1105	+ 9	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.11	31.63	24.65	346.0	63.56	5.44
10	8.07	31.55	24.60	357.0	63.66	5.60
21	7.83	31.64	24.70	356.0	64.00	5.56
30	7.79	31.64	24.71	380.0	64.06	5.93
63	7.77	31.64	24.71	378.0	64.09	5.89



CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA34R	56 35.2N	161 19.4W	24 AUG	0615	+ 9	71
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	8.44	31.68	24.64	364.0	63.03	5.77
9	8.44	31.68	24.64	350.0	63.03	5.55
21	8.43	31.68	24.65	350.0	63.04	5.55
41	7.78	31.69	24.75	364.0	64.05	5.68
65	7.75	31.68	24.74	390.0	64.11	6.08

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA34A	56 39.9N	161 17.8W	20 AUG	1240	+ 9	67
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	7.83	31.64	24.70	365.0	64.37	5.67
10	7.80	31.64	24.70	371.0	64.42	5.75
21	7.72	31.64	24.72	362.0	64.54	5.60
30	7.60	31.64	24.73	353.0	64.74	5.45

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA34B	56 42.3N	161 28.1W	24 AUG	0535	+ 9	88
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.33	31.68	24.66	344.0	63.57	5.41
10	8.33	31.68	24.66	361.0	63.57	5.67
21	7.95	31.57	24.63	368.0	64.21	5.73
41	5.85	31.70	25.00	381.0	67.63	5.63
84	5.72	31.72	25.03	382.0	67.85	5.62

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA35	56 28.8N	161 12.6W	20 AUG	0855	+ 9	66
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.65	31.66	24.60	380.0	62.72	6.05
10	8.59	31.66	24.61	376.0	62.81	5.98
21	8.58	31.67	24.62	375.0	62.82	5.96
31	8.53	31.66	24.62	377.0	62.90	5.99
61	8.48	31.67	24.63	350.0	62.97	5.55

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA35A	56 29.0N	161 12.2W	24 AUG	0305	+ 9	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.97	31.66	24.55	480.0	62.23	7.71
11	8.96	31.66	24.55	397.0	62.25	6.37
21	8.97	31.66	24.55	435.0	62.23	6.98
40	8.55	31.67	24.62	378.0	62.86	6.01
65	8.52	31.67	24.62	363.0	62.91	5.76

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA35B	56 28.1N	161 13.1W	31 AUG	0800	+ 9	67
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.63	31.64	24.43	326.0	61.27	5.32
9	9.61	31.64	24.43	328.0	61.29	5.35
20	9.60	31.64	24.43	327.0	61.31	5.33
41	8.63	31.65	24.49	324.0	62.75	5.16
63	8.25	31.66	24.66	325.0	63.33	5.13

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA36	56 22.8N	161 6.1W	20 AUG	0710	+ 9	58
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	8.98	31.64	24.53	382.0	62.23	6.13
10	8.98	31.63	24.52	388.0	62.23	6.23
21	8.98	31.63	24.52	386.0	62.23	6.20
30	8.96	31.63	24.53	395.0	62.26	6.34
55	8.89	31.63	24.54	391.0	62.37	6.26

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA36A	56 22.8N	161 6.4W	31 AUG	0905	+ 9	59
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.61	31.45	24.12	347.0	59.94	5.78
10	10.59	31.44	24.12	317.0	59.98	5.28
22	9.91	31.49	24.27	324.0	60.92	5.31
41	8.92	31.62	24.53	314.0	62.32	5.03
52	8.89	31.62	24.53	322.0	62.37	5.16

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA37	56 18.7N	161 2.0W	20 AUG	0600	+ 9	56
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	9.29	31.62	24.47	486.0	61.77	7.86
6	9.30	31.61	24.46	409.0	61.76	6.62
10	9.26	31.61	24.47	442.0	61.82	7.14

CRUISE NUMBR  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA37A	56 19.2N	161 2.0W	24 AUG	0135	+ 9	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.18	31.42	24.17	395.0	60.56	6.52
10	10.16	31.42	24.17	407.0	60.59	6.71
21	10.16	31.42	24.17	388.0	60.59	6.40
30	9.00	31.61	24.51	388.0	62.21	6.23
41	8.88	31.63	24.54	377.0	62.38	6.04

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA37B	56 18.5N	161 2.3W	31 AUG	1010	+ 9	50
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.54	31.45	24.13	325.0	60.04	5.41
10	10.53	31.45	24.13	319.0	60.06	5.31
20	10.26	31.44	24.17	331.0	60.44	5.47
31	9.21	31.57	24.44	339.0	61.91	5.47
45	9.17	31.58	24.46	343.0	61.97	5.53

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA38	56 12.8N	160 55.8W	20 AUG	0435	+ 9	39
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.15	31.43	24.18	374.0	60.60	6.17
5	10.15	31.44	24.19	362.0	60.60	5.97
10	10.14	31.43	24.18	405.0	60.62	6.68
21	10.15	31.44	24.19	383.0	60.60	6.31
36	10.15	31.44	24.19	411.0	60.60	6.78

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA38A	56 13.2N	160 55.8W	24 AUG	0020	+ 9	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.32	31.36	24.10	428.0	60.39	7.08
12	10.30	31.36	24.10	430.0	60.42	7.11
22	10.30	31.35	24.09	447.0	60.42	7.39
31	9.91	31.49	24.27	401.0	60.92	6.58

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA38B	56 13.0N	160 55.8W	31 AUG	1115	+ 9	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.34	31.41	24.13	407.0	60.34	6.74
11	10.33	31.41	24.14	406.0	60.35	6.72
21	10.30	31.40	24.13	406.0	60.40	6.72
30	10.02	31.45	24.22	417.0	60.78	6.86

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA39	56 7.0N	160 49.9W	20 AUG	0255	+ 9	24
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.46	31.33	24.05	974.0	60.20	16.17
11	10.46	31.33	24.05	973.0	60.20	16.16
21	10.46	31.33	24.05	987.0	60.20	16.39

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SE<sup>D</sup> 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA39A	56 7.1N	160 50.2W	23 AUG	2315	+ 9	28
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.48	31.25	23.99	458.0	60.21	7.60
5	10.48	31.25	23.99	425.0	60.21	7.05
9	10.47	31.24	23.98	454.0	60.22	7.53
17	10.47	31.25	23.99	451.0	60.22	7.48

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA39B	56 6.8N	160 49.3W	31 AUG	1220	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.79	31.21	23.90	570.0	59.79	9.53
5	10.79	31.21	23.90	625.0	59.79	10.45
10	10.77	31.21	23.91	547.0	59.82	9.14
15	10.77	31.21	23.91	550.0	59.82	9.19

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA40	56 3.2N	160 44.3W	19 AUG	2210	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.75	30.90	23.67	1192.0	59.97	19.87
5	10.74	30.90	23.67	1177.0	59.98	19.62
13	10.57	31.10	23.85	1171.0	60.14	19.46

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA40A	56 2.0N	160 44.1W	23 AUG	2205	+ 9	19

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.66	31.13	23.86	664.0	60.00	11.06
5	10.66	31.13	23.86	660.0	60.00	10.99
11	10.65	31.13	23.86	643.0	60.02	10.71

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA40B	56 2.8N	160 44.9W	25 AUG	1425	+ 9	17

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	11.40	30.52	23.26	4831.0	59.22	81.56
5	11.42	30.52	23.26	4832.0	59.20	81.62
10	11.31	30.52	23.28	4630.0	59.35	78.01

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA40C	56 2.6N	160 44.8W	31 AUG	1510	+ 9	20

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	11.06	30.95	23.65	1363.0	59.52	22.89
5	11.06	30.95	23.65	1396.0	59.52	23.45
10	11.04	30.96	23.67	1287.0	59.54	21.61

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA41	56 27.8N	161 43.3W	24 AUG	0840	+ 9	96

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.10	31.68	24.69	389.0	63.56	6.12
9	8.10	31.69	24.70	359.0	63.5*	5.64
28	7.72	31.69	24.76	358.0	64.15	5.58
60	5.90	31.71	25.00	391.0	67.15	5.82
89	5.87	31.72	25.02	411.0	67.20	6.11

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA41A	56 27.9N	161 42.4W	30 AUG	2210	+ 9	88

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.80	31.62	24.39	358.0	61.03	5.86
9	9.80	31.62	24.39	345.0	61.03	5.65
20	9.25	31.45	24.34	369.0	61.90	5.96
41	6.51	31.69	24.92	355.0	66.12	5.36
61	6.32	31.71	24.95	340.0	66.43	5.11
83	6.24	31.71	24.96	341.0	66.57	5.12

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA42	56 21.5N	161 35.9W	19 AUG	0445	+ 9	68

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	8.50	31.67	24.63	342.0	62.94	5.43
10	8.48	31.67	24.63	332.0	62.97	5.27
21	8.49	31.68	24.64	325.0	62.95	5.16
31	8.49	31.67	24.63	338.0	62.96	5.36
65	8.51	31.68	24.63	356.0	62.92	5.65



CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA42A	56 21.5N	161 36.8W	24 AUG	1000	+ 9	67
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.13	31.64	24.51	373.0	62.00	6.01
9	9.10	31.64	24.51	402.0	62.05	6.47
29	8.09	31.67	24.69	396.0	63.58	6.22
62	6.41	31.71	24.94	398.0	66.28	6.00

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43	56 15.9N	161 29.3W	19 AUG	0250	+ 9	55
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	9.11	31.66	24.53	397.0	62.02	6.40
11	9.11	31.66	24.53	387.0	62.02	6.23
21	9.10	31.67	24.54	388.0	62.03	6.25
30	9.10	31.66	24.53	366.0	62.04	5.89

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43A	56 15.3N	161 29.7W	24 AUG	1120	+ 9	61
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.56	31.61	24.42	420.0	61.38	6.84
10	9.51	31.59	24.41	386.0	61.46	6.27
19	9.39	31.59	24.43	333.0	61.64	5.40
40	7.94	31.69	24.72	369.0	63.80	5.78
58	7.83	31.70	24.75	363.0	63.97	5.67

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43R	56 16.1N	161 28.7W	31 AUG	0025	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.83	31.54	24.32	381.0	61.02	6.24
10	9.79	31.53	24.32	375.0	61.08	6.13
20	9.69	31.53	24.33	376.0	61.22	6.14
41	8.16	31.66	24.67	406.0	63.47	6.39
55	7.78	31.68	24.74	337.0	64.06	5.26

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43C	56 17.0N	161 28.5W	02 SEP	1250	+ 9	59
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.65	31.57	24.37	383.0	61.26	6.25
55	7.94	31.68	24.72	385.0	63.81	6.03

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44	56 10.0N	161 23.8W	19 AUG	0115	+ 9	40
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	9.41	31.62	24.45	357.0	61.60	5.79
10	9.40	31.62	24.45	365.0	61.61	5.92
20	9.41	31.62	24.45	406.0	61.60	6.59
36	9.42	31.62	24.45	419.0	61.58	6.80

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44A	56 9.6N	161 25.3W	24 AUG	1305	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.17	31.44	24.19	409.0	60.57	6.75
5	10.17	31.45	24.19	416.0	60.56	6.86
10	10.15	31.44	24.19	405.0	60.60	6.68
29	9.61	31.56	24.37	365.0	61.33	5.95

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44B	56 10.0N	161 22.8W	31 AUG	0150	+ 9	46
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.67	31.58	24.38	293.0	61.23	4.78
4	9.67	31.58	24.38	395.0	61.23	6.45
10	9.64	31.57	24.37	359.0	61.28	5.85
21	9.62	31.58	24.38	350.0	61.30	5.70
31	9.60	31.58	24.39	359.0	61.33	5.85
35	9.59	31.57	24.38	376.0	61.35	6.12

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44C	56 10.1N	161 23.4W	02 SEP	1355	+ 9	44
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.03	31.50	24.26	429.0	60.74	7.06
10	9.98	31.49	24.26	420.0	60.82	6.90
21	9.96	31.50	24.27	416.0	60.84	6.83
30	9.93	31.50	24.27	442.0	60.89	7.25
35	9.86	31.52	24.30	425.0	60.98	6.96

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45	56 4.9N	161 18.6W	18 AUG	2320	+ 9	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.13	31.43	24.18	389.0	60.63	6.41
7	10.14	31.42	24.18	386.0	60.62	6.36
11	10.13	31.42	24.18	349.0	60.63	5.75
26	10.09	31.44	24.20	432.0	60.68	7.11

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45A	56 5.1N	161 21.0W	24 AUG	1355	+ 9	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.61	31.35	24.04	532.0	59.98	8.86
5	10.63	31.36	24.05	518.0	59.95	8.63
10	10.48	31.33	24.05	526.0	60.17	8.74
21	9.99	31.45	24.22	477.0	60.82	7.84
31	9.94	31.48	24.26	450.0	60.88	7.39

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45B	56 5.0N	161 19.9W	31 AUG	0240	+ 9	37
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.99	31.50	24.26	471.0	60.80	7.74
5	10.00	31.50	24.26	451.0	60.79	7.41
10	9.99	31.50	24.26	429.0	60.80	7.05
21	9.98	31.50	24.26	461.0	60.82	7.57
31	9.98	31.50	24.26	440.0	60.82	7.23

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45C	56 5.0N	161 19.0W	02 SEP	1455	+ 9	36
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.19	31.46	24.20	501.0	60.53	8.27
5	10.19	31.47	24.21	483.0	60.53	7.97
10	10.20	31.47	24.20	480.0	60.51	7.93
21	10.14	31.48	24.22	484.0	60.60	7.98
27	10.14	31.48	24.22	499.0	60.60	8.23

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46	56 1.8N	161 15.3W	18 AUG	2155	+ 9	24
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	10.67	31.18	23.90	581.0	59.97	9.68
7	10.67	31.18	23.90	507.0	59.97	8.45
11	10.67	31.18	23.90	507.0	59.97	8.45
19	10.66	31.19	23.91	542.0	59.98	9.03

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46A	56 2.1N	161 16.2W	24 AUG	1455	+ 9	28
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	11.26	31.13	23.76	854.0	59.17	14.43
5	11.26	31.12	23.75	825.0	59.18	13.93
10	11.23	31.06	23.71	1021.0	59.24	17.23
15	10.57	31.20	23.93	830.0	60.10	13.80
21	10.44	31.26	24.00	750.0	60.26	12.44

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46B	56 2.0N	161 16.5W	31 AUG	0325	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	10.67	31.28	23.98	879.0	59.93	14.66
5	10.67	31.28	23.98	856.0	59.93	14.28
10	10.66	31.27	23.97	869.0	59.95	14.49
14	10.66	31.28	23.98	881.0	59.94	14.69
16	10.65	31.28	23.98	880.0	59.96	14.67

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46C	56 2.0N	161 15.7W	02 SEP	1535	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.52	31.33	24.04	992.0	60.12	16.49
6	10.52	31.33	24.04	921.0	60.12	15.31
10	10.50	31.33	24.05	931.0	60.15	15.47
15	10.49	31.34	24.05	934.0	60.16	15.52
16	10.49	31.34	24.05	936.0	60.16	15.55

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA47	56 9.9N	162 24.2W	24 AUG	2355	+ 9	73
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	8.34	31.71	24.68	438.0	63.54	6.89
20	7.98	31.70	24.73	432.0	64.11	6.73
40	7.88	31.70	24.74	401.0	64.26	6.23
62	5.75	31.74	25.05	487.0	67.79	7.18
68	5.74	31.75	25.06	485.0	67.80	7.15

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA48	56 3.9N	162 18.2W	24 AUG	2230	+ 9	76
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.19	31.68	24.53	419.0	62.26	6.72
9	9.19	31.68	24.53	455.0	62.26	7.30
20	8.79	31.62	24.55	409.0	62.88	6.50
28	8.08	31.74	24.74	400.0	63.93	6.25
71	5.72	31.79	25.09	484.0	67.82	7.13

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA49	55 58.1N	162 11.1W	24 AUG	2115	+ 9	62
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.72	31.63	24.41	358.0	61.49	5.82
11	9.49	31.64	24.45	441.0	61.83	7.13
22	9.30	31.64	24.48	414.0	62.11	6.66
29	9.18	31.60	24.47	412.0	62.30	6.61
58	6.72	31.75	24.94	453.0	66.13	6.84

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA50	55 55.2N	162 8.9W	24 AUG	2025	+ 9	55
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.02	31.55	24.30	428.0	61.09	7.00
10	10.01	31.54	24.29	414.0	61.11	6.77
21	9.56	31.56	24.38	438.0	61.76	7.09
29	8.59	31.55	24.52	438.0	63.22	6.92
50	7.47	31.74	24.83	457.0	64.90	7.04

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA51	55 52.0N	162 5.2W	24 AUG	1935	+ 9	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.11	31.52	24.26	442.0	60.97	7.24
10	9.50	31.58	24.40	433.0	61.84	7.00
21	9.09	31.66	24.53	421.0	62.41	6.74
31	8.98	31.68	24.56	437.0	62.57	6.98

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA52	55 48.9N	162 1.9W	24 AUG	1725	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.22	31.33	24.09	492.0	60.89	8.07
5	10.25	31.33	24.09	476.0	60.85	7.82
19	10.20	31.33	24.10	496.0	60.92	8.14

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA56	55 31.3N	163 0.0W	25 AUG	0555	+ 9	50
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	9.58	31.55	24.37	499.0	61.73	8.08
10	9.54	31.55	24.37	510.0	61.79	8.25
21	8.88	31.60	24.52	504.0	62.76	8.03
30	8.27	31.75	24.72	514.0	63.63	8.07
46	7.50	31.87	24.93	555.0	64.79	8.56



CRUISE NUMBER  
PP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA58A	55 26.0N	162 54.1W	25 AUG	0435	+ 9	39
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.38	31.55	24.40	504.0	62.03	8.12
5	9.39	31.54	24.39	502.0	62.02	8.09
10	9.16	31.62	24.49	518.0	62.33	8.31
33	8.78	31.70	24.61	522.0	62.87	8.30

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA59	55 37.4N	164 0.8W	26 AUG	0540	+ 9	97
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.38	31.83	24.77	371.0	63.42	5.84
9	8.37	31.84	24.78	271.0	63.43	4.27
21	8.20	31.80	24.77	267.0	63.72	4.19
40	7.74	31.84	24.87	266.0	64.42	4.12
94	3.68	32.22	25.64	371.0	71.33	5.20

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA61	55 23.9N	163 46.1W	26 AUG	0745	+ 9	80
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.01	31.73	24.60	382.0	62.50	6.11
10	8.99	31.73	24.60	340.0	62.54	5.43
20	8.22	31.92	24.79	346.0	63.68	5.43
41	7.29	32.21	25.22	431.0	64.98	6.63
61	6.51	32.28	25.38	461.0	66.24	6.95

CRUISE NUMBER  
PP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA63	55 13.8N	163 35.8W	26 AUG	0925	+ 9	47
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.30	31.48	24.36	282.0	62.18	4.53
8	9.29	31.49	24.37	289.0	62.19	4.64
20	9.26	31.49	24.37	362.0	62.23	5.81
43	7.68	31.96	24.97	269.0	64.47	4.17

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA65A	55 8.9N	163 30.3W	26 AUG	1105	+ 9	37
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.38	31.48	24.34	330.0	62.06	5.31
4	9.39	31.48	24.34	371.0	62.04	5.97
10	9.37	31.48	24.35	386.0	62.07	6.21
21	8.71	31.60	24.54	406.0	63.02	6.44

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA69	55 10.1N	164 43.0W	26 AUG	1715	+ 9	106
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.14	31.92	24.88	498.0	63.76	7.81
10	7.76	32.00	24.99	467.0	64.32	7.25
20	7.36	32.13	25.15	501.0	64.91	7.71
40	6.95	32.28	25.32	672.0	65.51	10.25
100	6.80	32.57	25.57	634.0	65.62	9.66

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA71	55 1.0N	164 30.7W	26 AUG	1535	+ 9	54
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.90	31.93	24.92	422.0	64.13	6.57
11	7.72	31.94	24.95	438.0	64.41	6.79
21	7.54	32.07	25.08	419.0	64.64	6.48
41	7.44	32.23	25.22	409.0	64.73	6.31

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA72	54 58.2N	164 27.6W	26 AUG	1425	+ 9	42
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.11	31.80	24.79	486.0	63.86	7.61
5	8.12	31.80	24.78	439.0	63.84	6.87
9	8.09	31.80	24.79	423.0	63.89	6.62
35	7.53	32.08	25.09	433.0	64.65	6.69

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM01	56 2.9N	160 46.7W	19 AUG	2015	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.61	31.11	23.86	985.0	60.08	16.39
5	10.62	31.12	23.86	949.0	60.06	15.79
9	10.62	31.12	23.86	940.0	60.06	15.64
15	10.56	31.12	23.87	982.0	60.15	16.32

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM01A	56 2.8N	160 46.7W	25 AUG	1520	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	11.30	30.67	23.39	3466.0	59.30	58.44
5	11.30	30.67	23.39	3467.0	59.30	58.46
10	11.26	30.64	23.38	3509.0	59.37	59.10
12	11.19	30.67	23.41	3524.0	59.45	59.27

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM01B	56 2.4N	160 45.7W	31 AUG	1405	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	11.08	30.92	23.63	1464.0	59.50	24.60
5	11.08	30.92	23.63	1281.0	59.50	21.52
10	11.07	30.92	23.63	1543.0	59.52	25.92

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM1T1	56 2.7N	160 49.0W	01 SEP	1605	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	10.91	30.90	23.64	2028.0	60.09	33.74
10	10.90	30.90	23.64	2015.0	60.11	33.52

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM1T2	56 2.7N	160 49.0W	01 SEP	1550	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	11.04	30.83	23.56	2151.0	59.94	35.88
9	11.01	30.83	23.57	2155.0	59.98	35.92
11	11.01	30.83	23.57	2098.0	59.98	34.97

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM1T3	56 2.7N	160 49.0W	01 SEP	1935	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.03	30.93	23.64	1398.0	59.91	23.33
10	11.02	30.93	23.65	1383.0	59.93	23.07

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM1T4	56 2.7N	160 49.0W	01 SEP	2230	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.08	30.89	23.60	1369.0	59.86	22.86
10	11.07	30.97	23.67	1294.0	59.84	21.62

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM1T5	56 2.7N	160 49.0W	02 SEP	0140	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.41	30.47	23.22	933.0	59.57	15.66
10	11.38	30.56	23.30	781.0	59.58	13.10
14	11.37	30.59	23.32	785.0	59.58	13.17

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM1T6	56 2.7N	160 49.0W	02 SEP	0510	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	10.95	30.89	23.63	1626.0	60.04	27.07
10	10.95	30.89	23.63	1680.0	60.04	27.97

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM2T1	56 3.0N	160 44.1W	01 SEP	1125	+ 9	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.27	30.57	23.32	3961.0	59.73	66.31
11	11.23	30.60	23.35	4116.0	59.77	68.85

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM2T2	56 3.0N	160 44.1W	01 SEP	1515	+ 9	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	10.98	31.07	23.76	875.0	59.93	14.59
10	10.93	31.07	23.77	827.0	60.00	13.78
15	10.92	31.07	23.77	807.0	60.01	13.44

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM2T3	56 3.0N	160 44.1W	01 SEP	1905	+ 9	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	10.93	31.07	23.77	728.0	60.00	12.13
10	11.02	30.93	23.65	732.0	59.93	12.21

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM2T4	56 3.0N	160 44.1W	01 SEP	2145	+ 9	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.20	30.73	23.46	2139.0	59.76	35.79
9	11.19	30.74	23.47	2123.0	59.77	35.51
11	11.20	30.74	23.47	2084.0	59.75	34.87

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM2T5	56 3.0N	160 44.1W	02 SEP	0050	+ 9	17

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.41	30.47	23.22	2957.0	59.57	49.63
10	10.90	31.07	23.77	2751.0	60.04	45.81
14	10.90	31.06	23.77	2684.0	60.04	44.69

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM2T6	56 3.0N	160 44.1W	02 SEP	0430	+ 9	17

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	10.90	31.07	23.77	866.0	60.04	14.42
10	10.89	31.06	23.77	852.0	60.06	14.18

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03	56 2.8N	160 39.8W	20 AUG	0100	+ 9	20

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	11.14	30.41	23.22	3301.0	59.62	55.36
5	11.14	30.41	23.22	3342.0	59.62	56.04
9	11.13	30.40	23.22	3167.0	59.64	53.09



CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03A	56 2.8N	160 38.7W	25 AUG	1805	+ 9	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	12.04	29.63	22.46	11584.0	58.71	197.29
5	12.04	29.63	22.46	11391.0	58.71	194.01
10	11.80	29.77	22.61	11574.0	58.97	196.23
12	11.76	29.80	22.64	10844.0	59.02	183.72

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM03B	56 3.7N	160 40.2W	31 AUG	1600	+ 9	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	11.28	30.66	23.39	4032.0	59.33	67.95
5	11.29	30.66	23.39	4420.0	59.32	74.50
10	11.28	30.65	23.38	3789.0	59.34	63.85
17	11.28	30.65	23.38	2721.0	59.34	45.85

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3T1	56 4.0N	160 41.1W	01 SEP	1040	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	11.63	30.15	22.93	5609.0	59.40	94.42
11	11.62	30.14	22.93	5918.0	59.42	99.59

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3T2	56 4.0N	160 41.1W	01 SEP	1425	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.03	30.91	23.63	1448.0	59.92	24.16
10	11.02	30.91	23.63	1445.0	59.94	24.10

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3T3	56 4.0N	160 41.1W	01 SEP	1835	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.55	30.36	23.11	3628.0	59.43	61.04
11	11.39	30.55	23.29	3490.0	59.57	58.58
15	11.07	30.88	23.60	1834.0	59.88	30.62

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3T4	56 4.0N	160 41.1W	01 SEP	2100	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	11.67	30.09	22.88	5367.0	59.37	90.39
13	11.68	31.10	23.66	5197.0	58.96	88.13

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3T5	56 4.0N	160 41.1W	01 SEP	2400	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.64	30.02	22.83	5988.0	59.44	100.73
10	11.65	30.06	22.86	6006.0	59.41	101.09

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3T6	56 4.0N	160 41.1W	02 SEP	0320	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	11.25	30.55	23.31	2898.0	59.76	48.48
10	11.26	30.58	23.33	2754.0	59.74	46.09
15	11.27	30.59	23.34	2715.0	59.72	45.46

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3A	56 1.6N	160 40.3W	25 AUG	1710	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	10327.0	*	*

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM5	55 54.2N	160 46.5W	19 AUG	1515	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	30.00	*	3796.0	*	*
20	*	30.10	*	3561.0	*	*
30	*	30.23	*	2286.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM5A	55 54.8N	160 47.5W	19 AUG	1625	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	2858.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM6	55 52.0N	160 52.3W	19 AUG	1310	+ 9	14
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	29.88	*	2993.0	*	*
10	*	29.90	*	3207.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM6A	55 50.5N	160 54.8W	19 AUG	1453	+ 0	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	4529.0	*	*

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM7A	55 55.0N	160 29.7W	19 AUG	1740	+ 9	2
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1	*	*	*	7658.0	*	*
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM8	55 59.4N	160 36.9W	25 AUG	1645	+ 9	40
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1	*	*	*	22323.0	*	*
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM8A	55 59.4N	160 36.9W	31 AUG	1720	+ 9	6
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1	*	*	*	4892.0	*	*
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM9	55 58.7N	160 34.7W	25 AUG	1700	+ 9	36
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1	*	*	*	13823.0	*	*
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CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM9A	55 58.5N	160 34.3W	31 AUG	1640	+ 9	30
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1 \* \* \* 3010.0 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM10	55 58.8N	160 34.2W	25 AUG	1630	+ 9	24
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1 \* \* \* 8175.0 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM10A	55 58.8N	160 34.2W	31 AUG	1430	+ 9	24
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1 \* \* \* 3636.0 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM11	55 59.0N	160 34.2W	25 AUG	1600	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1 \* \* \* 10661.0 \* \*

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM12	55 56.8N	160 38.8W	19 AUG	1821	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	2846.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM13	55 54.8N	160 35.1W	19 AUG	1800	+ 9	54
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	4589.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM13A	56 0.0N	160 37.5W	31 AUG	1700	+ 9	30
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	6359.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM14	55 58.8N	160 34.6W	31 AUG	1500	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	342.0	*	*

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG1	56 39.7N	169 24.5W	28 AUG	1940	+ 9	71
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	8.07	32.16	25.07	394.0	63.76	6.17
10	7.73	32.18	25.14	422.0	64.29	6.56
21	7.68	32.19	25.15	429.0	64.37	6.66
41	5.64	32.28	25.48	663.0	67.72	9.78
66	3.87	32.46	25.81	864.0	70.85	12.19

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG2	57 6.9N	168 6.4W	27 AUG	1500	+ 9	79
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	9.06	31.92	24.74	378.0	62.35	6.06
21	8.90	31.91	24.76	359.0	62.59	5.73
60	3.37	32.20	25.65	939.0	71.94	13.05
75	3.36	32.21	25.66	942.0	71.95	13.09

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG4	56 55.0N	166 44.9W	27 AUG	1010	+ 9	77
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.17	31.90	24.86	311.0	63.72	4.88
20	8.12	31.90	24.86	294.0	63.80	4.60
41	5.09	31.85	25.21	354.0	68.90	5.13
61	3.24	32.16	25.63	564.0	72.21	7.80
72	3.23	32.17	25.64	536.0	72.23	7.42



CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG5	56 4.1N	166 39.4W	27 AUG	0510	+ 9	130
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	8.40	32.08	24.96	298.0	63.29	4.70
20	8.24	32.08	24.99	347.0	63.53	5.46
50	7.73	32.20	25.15	334.0	64.28	5.19
76	4.96	32.65	25.85	1167.0	68.75	16.97
100	3.89	32.72	26.02	2446.0	70.68	34.60
125	3.88	32.72	26.02	2501.0	70.70	33.37

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG7	55 35.0N	165 12.8W	26 AUG	2120	+ 9	115
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.24	31.92	24.86	324.0	63.60	5.09
10	8.24	31.91	24.85	269.0	63.61	4.22
21	7.93	32.01	24.98	276.0	64.05	4.30
50	7.50	32.22	25.20	342.0	64.64	5.29
77	4.81	32.50	25.75	526.0	69.09	7.61
100	4.78	32.68	25.90	545.0	69.06	7.89
105	4.77	32.68	25.90	539.0	69.08	7.80

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LP1AB	56 0.4N	161 7.0W	19 AUG	1000	+ 9	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	4125.0	*	*

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LP2AB	56 1.2N	161 2.8W	19 AUG	1015	+ 9	1

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	1045.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL1	54 50.7N	167 53.1W	28 AUG	1600	+ 9	1379

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.67	32.55	25.44	522.0	64.22	8.12
20	6.50	32.69	25.70	540.0	66.07	8.17
50	6.01	32.88	25.91	512.0	66.81	7.66
100	4.98	33.13	26.23	409.0	68.49	5.97
150	4.32	33.27	26.41	376.0	69.61	5.40
251	3.70	33.58	26.72	218.0	70.61	3.08
401	3.61	33.89	26.97	134.0	70.63	2.18
1376	2.34	34.47	27.55	65.0	72.80	0.89

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL3	55 10.4N	167 22.0W	28 AUG	2020	+ 9	157

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.13	32.39	25.25	383.0	63.57	6.02
21	7.50	32.41	25.35	392.0	64.56	6.07
50	6.32	32.81	25.82	424.0	66.31	6.39
100	4.27	33.06	26.25	587.0	69.81	8.40
125	4.23	33.17	26.34	478.0	69.83	6.84
152	4.15	33.31	26.46	388.0	69.91	5.54

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL4	55 19.6N	167 6.8W	28 AUG	2205	+ 9	142
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.25	32.31	25.17	354.0	63.42	5.58
21	8.08	32.33	25.21	346.0	63.67	5.43
50	6.87	32.38	25.41	392.0	65.59	5.97
100	3.81	32.97	26.22	655.0	70.71	9.26
125	3.80	32.97	26.23	645.0	70.73	9.11
138	3.80	32.96	26.22	635.0	70.73	8.97

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL6	55 38.9N	166 37.3W	29 AUG	0300	+ 9	130
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.43	32.19	25.04	404.0	62.83	6.42
21	8.05	32.06	25.00	411.0	63.47	6.47
41	7.91	32.26	25.18	411.0	63.60	6.46
76	4.58	32.65	25.89	1337.0	69.04	19.36
101	3.95	32.79	26.07	1876.0	70.13	26.74
126	3.95	32.79	26.07	1968.0	70.13	28.06

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL6A	55 38.6N	166 37.3W	03 SEP	0735	+ 9	130
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.29	32.19	25.07	300.0	63.04	4.75
10	8.29	32.19	25.07	289.0	63.04	4.58
21	8.28	32.19	25.07	280.0	63.06	4.44
30	8.29	32.20	25.07	294.0	63.04	4.66
40	7.90	32.30	25.21	285.0	63.60	4.48
41	7.88	32.29	25.20	330.0	63.63	5.18
51	7.48	32.36	25.31	419.0	64.24	6.52

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL6A	55 38.6N	166 37.3W	03 SEP	0735	+ 9	130
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
62	6.34	32.44	25.53	440.0	66.06	6.65
70	5.02	32.61	25.82	916.0	68.27	13.41
81	4.26	32.70	25.97	1424.0	69.60	20.45
100	3.95	32.80	26.08	1887.0	70.12	26.90
116	3.94	32.81	26.09	1888.0	70.14	26.91
124	3.94	32.82	26.09	1871.0	70.13	26.67

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PLR	55 54.9N	166 6.7W	29 AUG	0600	+ 9	124
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	8.27	32.10	25.00	501.0	62.48	7.89
21	7.90	32.09	25.04	487.0	64.06	7.60
41	7.43	32.12	25.13	487.0	64.80	7.51
61	6.44	32.20	25.33	662.0	66.39	9.97
80	4.70	32.50	25.76	1032.0	69.29	14.89
101	4.36	32.63	25.90	1193.0	69.85	17.07
120	4.28	32.67	25.94	1350.0	69.98	19.28

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL10	56 13.4N	165 36.6W	29 AUG	0940	+ 9	95
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	8.18	31.95	24.89	479.0	63.68	7.52
10	8.17	31.94	24.89	493.0	63.70	7.73
21	7.95	31.93	24.91	489.0	64.05	7.63
40	7.41	31.96	25.01	484.0	64.90	7.45
61	6.19	32.02	25.21	631.0	66.90	9.43
86	4.17	32.33	25.68	810.0	70.35	11.51

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL12	56 32.5N	165 6.0W	29 AUG	1300	+ 9	81
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.69	31.88	24.91	471.0	64.49	7.30
10	7.56	31.79	24.86	466.0	64.73	7.19
21	6.86	31.83	24.98	409.0	65.86	6.20
41	5.36	31.89	25.21	430.0	68.40	6.28
61	2.92	32.03	25.56	514.0	72.91	7.04
76	2.90	32.03	25.56	495.0	72.95	6.78

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL14	56 48.6N	164 36.9W	29 AUG	1605	+ 9	73
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.23	31.82	24.92	475.0	65.25	7.27
9	6.94	31.80	24.95	437.0	65.74	6.64
21	6.07	31.78	25.04	438.0	67.21	6.51
40	5.04	31.82	25.19	408.0	69.01	5.91
60	3.17	31.92	25.45	770.0	72.47	10.62
71	3.16	31.93	25.46	824.0	72.49	11.36

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL16	57 8.2N	164 6.9W	29 AUG	2000	+ 9	67
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.88	31.76	24.79	392.0	64.24	6.10
9	7.50	31.76	24.84	406.0	64.84	6.26
21	6.83	31.71	24.89	392.0	65.96	5.94
30	6.36	31.78	25.00	414.0	66.72	6.20
41	6.00	31.78	25.05	390.0	67.33	5.79
63	3.65	31.89	25.38	411.0	71.56	5.74

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL18	57 26.7N	163 37.3W	29 AUG	2305	+ 9	52
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.94	31.75	24.77	384.0	64.15	5.98
10	7.76	31.72	24.77	400.0	64.44	6.20
21	7.12	31.69	24.84	364.0	65.49	5.55
29	6.12	31.80	25.05	367.0	67.12	5.46
46	5.96	31.81	25.08	356.0	67.39	5.28

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL20	57 45.9N	163 11.9W	30 AUG	0310	+ 9	45
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	8.26	31.61	24.62	496.0	63.71	7.78
5	7.48	31.59	24.71	476.0	64.95	7.32
10	7.06	31.66	24.82	454.0	65.60	6.91
21	7.00	31.66	24.83	459.0	65.70	6.98
30	7.00	31.66	24.83	454.0	65.70	6.90
41	7.00	31.66	24.83	446.0	65.70	6.78

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL22	58 3.0N	162 36.2W	30 AUG	0625	+ 9	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.94	30.98	24.17	553.0	64.48	8.57
5	7.94	30.98	24.17	499.0	64.48	7.73
9	7.92	30.98	24.17	506.0	64.52	7.84
20	7.88	30.99	24.18	502.0	64.58	7.77
34	7.86	31.00	24.20	482.0	64.60	7.46

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL24	58 20.1N	162 7.4W	30 AUG	0925	+ 9	47
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	8.28	30.68	23.89	519.0	64.08	8.09
0	8.28	30.67	23.88	515.0	64.08	8.03
20	8.27	30.67	23.88	502.0	64.10	7.83
31	8.27	30.67	23.88	491.0	64.10	7.65
44	8.27	30.67	23.88	498.0	64.10	7.76

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
Y01	57 40.9N	161 54.5W	30 AUG	1340	+ 9	49
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.74	31.32	24.46	421.0	64.65	6.51
10	7.32	31.32	24.52	393.0	65.33	6.01
21	6.93	31.33	24.58	384.0	65.97	5.82
30	6.89	31.34	24.59	375.0	66.03	5.67
46	6.86	31.35	24.60	384.0	66.08	5.81

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
Y1A	57 43.3N	161 55.6W	30 AUG	1300	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	393.0	*	*

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
Y19	57 27.4N	161 48.9W	30 AUG	1500	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	444.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
Y1C	57 18.4N	161 47.2W	30 AUG	1555	+ 9	46
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	*	*	384.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
Y02	57 1.9N	161 43.8W	30 AUG	1710	+ 9	66
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.54	31.65	24.61	404.0	63.25	6.38
11	8.38	31.40	24.43	401.0	63.61	6.30
20	5.93	31.64	24.95	389.0	67.52	5.76
41	5.69	31.67	25.00	366.0	67.92	5.38
64	5.69	31.68	25.01	387.0	67.92	5.69

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
Y04	56 43.5N	161 40.1W	30 AUG	1930	+ 9	70
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	9.27	31.67	24.51	351.0	62.14	5.64



CRUISE NUMBER  
PP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
Y05	56 36.0N	161 36.1W	30 AUG	2030	+ 9	87
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	9.49	31.64	24.45	349.0	61.83	5.64

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP2	56 15.9N	168 11.1W	29 AUG	0040	+ 9	155
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.32	32.55	25.34	367.0	62.84	5.83
21	7.91	32.66	25.49	361.0	63.43	5.69
50	5.17	32.77	25.93	464.0	67.92	6.83
101	4.02	33.17	26.36	807.0	69.81	11.55
125	4.02	33.18	26.37	831.0	69.81	11.90
144	4.05	33.19	26.38	852.0	69.75	12.21

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP3	55 57.0N	168 11.5W	28 AUG	0410	+ 9	148
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	8.25	32.93	25.65	355.0	63.15	5.62
20	8.00	32.89	25.65	349.0	63.56	5.47
49	7.10	32.91	25.80	361.0	64.98	5.55
100	3.96	33.23	26.42	386.0	70.30	5.49
125	4.02	33.24	26.42	375.0	70.18	5.34
144	4.05	33.23	26.41	375.0	70.13	5.34

CRUISE NUMRER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP4	55 34.4N	168 10.3W	28 AUG	0650	+ 9	142
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	7.11	32.75	25.67	413.0	65.03	6.35
19	6.97	32.78	25.71	410.0	65.25	6.28
49	6.30	32.90	25.89	412.0	66.31	6.21
100	4.05	33.03	26.25	412.0	70.23	5.86
125	4.11	33.13	26.32	380.0	70.07	5.42
135	4.10	33.19	26.37	343.0	70.06	4.89

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP5	55 17.2N	167 53.1W	28 AUG	0930	+ 9	300
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.48	32.62	25.52	424.0	64.50	6.57
20	6.46	32.68	25.70	462.0	66.14	6.98
49	5.75	33.04	26.07	511.0	67.18	7.60
101	4.62	33.20	26.33	398.0	69.10	5.75
149	4.27	33.35	26.48	293.0	69.67	4.20
201	3.90	33.45	26.60	303.0	70.30	4.30
295	3.79	33.63	26.75	231.0	70.42	3.28

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP8	54 44.2N	166 34.9W	03 SEP	1500	+ 9	276
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	7.35	32.59	25.51	414.0	64.72	6.39
21	7.24	32.61	25.54	395.0	64.89	6.08
50	5.91	32.93	25.97	392.0	66.95	5.85
101	5.14	33.08	26.17	371.0	68.22	5.43
199	4.35	33.31	26.44	262.0	69.54	3.76
270	3.89	33.54	26.67	186.0	70.28	2.64

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP9	54 37.2N	166 5.6W	03 SEP	1820	+ 9	380
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	7.80	32.66	25.50	358.0	63.97	5.59
21	7.69	32.68	25.54	356.0	64.13	5.55
50	6.39	32.77	25.78	398.0	66.21	6.01
101	4.67	33.14	26.27	370.0	69.04	5.35
202	4.00	33.38	26.53	265.0	70.15	3.77

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP10	54 30.7N	165 39.3W	03 SEP	2040	+ 9	300
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	7.38	32.54	25.47	572.0	64.69	8.84
22	7.37	32.54	25.47	525.0	64.71	8.11
50	7.01	32.60	25.57	609.0	65.26	9.33
101	5.44	33.06	26.12	396.0	67.71	5.84
150	4.44	33.27	26.40	341.0	69.39	4.91
201	4.04	33.39	26.53	269.0	70.08	3.83

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP13	54 25.4N	165 16.2W	04 SEP	0020	+ 9	164
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.72	32.06	25.05	692.0	64.36	10.75
21	7.54	32.18	25.16	714.0	64.59	11.05
49	7.34	32.38	25.35	624.0	64.83	9.62
101	6.19	32.84	25.86	526.0	66.52	7.90
150	5.56	33.00	26.06	996.0	67.53	14.74

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP15	54 20.4N	164 51.3W	04 SEP	0315	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	9.26	31.28	24.21	626.0	62.32	10.04
21	7.75	31.50	24.60	1108.0	64.56	17.16
30	7.09	31.69	24.84	761.0	65.54	11.61
50	6.66	31.76	24.95	1370.0	66.22	20.68

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP17	54 11.7N	164 29.7W	04 SEP	0505	+ 9	91
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	9.34	31.51	24.37	500.0	62.10	8.05
22	9.22	31.45	24.35	513.0	62.31	8.23
41	7.43	31.79	24.87	1026.0	64.94	15.79
61	5.64	32.09	25.33	1899.0	67.81	28.00
85	5.53	32.24	25.47	1940.0	67.94	28.55

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP18	54 2.7N	164 28.8W	05 SEP	0445	+ 9	99
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	9.58	31.75	24.52	359.0	61.65	5.82
21	9.53	31.77	24.55	355.0	61.71	5.75
42	9.32	31.74	24.56	377.0	62.04	6.07
96	5.60	32.44	25.62	1482.0	67.72	21.88

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP19	53 52.0N	164 25.5W	05 SEP	0305	+ 9	89
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	10.06	31.95	24.60	333.0	60.87	5.47
21	9.98	31.96	24.62	341.0	60.98	5.59
41	7.15	32.41	25.40	618.0	65.12	9.46
88	5.40	32.75	25.88	765.0	67.92	11.26

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP21	53 40.5N	164 22.0W	05 SEP	0020	+ 9	925
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	9.55	31.88	24.63	378.0	61.64	6.13
21	9.50	31.88	24.64	384.0	61.71	6.22
50	5.52	32.36	25.56	1084.0	67.90	15.96
103	5.32	32.98	26.07	744.0	67.95	10.94
201	5.02	33.79	26.75	315.0	68.10	4.62
403	4.02	33.97	27.00	225.0	69.82	3.22

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP24	53 27.6N	164 15.6W	04 SEP	0940	+ 9	3048
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	11.10	32.32	24.71	266.0	59.27	4.48
21	11.10	32.31	24.70	251.0	59.27	4.23
50	6.97	32.33	25.36	270.0	65.45	4.12
101	3.99	32.93	26.18	220.0	70.39	3.12
151	3.40	33.36	26.57	117.0	71.29	1.64
201	3.45	33.78	26.90	103.0	70.99	1.45
435	3.60	34.09	27.13	73.0	70.55	1.03
604	3.41	34.20	27.24	49.0	70.85	0.69

CRUISE NUMBER  
RP-4-SU-80A-IV

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
13 AUG-07 SEP 1980

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP24	53 27.6N	164 15.6W	04 SEP	0940	+ 9	3048
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
796	3.11	34.31	27.36	49.0	71.37	0.68
1000	2.87	34.37	27.42	94.0	71.80	1.30
1200	2.55	34.44	27.51	91.0	72.39	1.25
1470	2.23	34.51	27.59	112.0	72.99	1.53
1969	1.87	34.59	27.68	49.0	73.68	0.66

APPENDIX B

RP-4-SU-81A-I

27 Jan-19 Feb 1981

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA1A	58 0.2N	158 32.2W	03 FEB	1025	+11	29
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-1.65	30.87	24.85	241.0	83.17	2.89
5	-1.65	30.89	24.86	240.0	83.15	2.88
10	-1.65	30.86	24.84	236.0	83.17	2.83
20	-1.65	30.87	24.85	236.0	83.17	2.83
24	-1.65	30.87	24.85	240.0	83.17	2.88

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA2A	58 0.3N	158 20.1W	03 FEB	1145	+11	37
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-1.63	30.87	24.85	245.0	83.12	2.94
6	-1.63	30.87	24.85	241.0	83.12	2.89
10	-1.65	30.88	24.86	241.0	83.16	2.89
16	-1.65	30.88	24.86	244.0	83.16	2.93

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA3A	57 58.7N	158 7.9W	03 FEB	1405	+11	37
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-1.65	30.91	24.88	255.0	83.14	3.06
4	-1.63	30.89	24.86	273.0	83.10	3.28
10	-1.65	30.91	24.88	257.0	83.14	3.09
28	-1.67	30.91	24.88	247.0	83.19	2.96



CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA4A	57 59.8N	157 52.6W	03 FEB	1545	+11	23
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-1.58	30.67	24.68	281.0	83.12	3.38
5	-1.58	30.67	24.68	294.0	83.12	3.53
10	-1.58	30.64	24.66	282.0	83.13	3.39
11	-1.60	30.66	24.68	283.0	83.17	3.40

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA5	57 50.9N	158 55.9W	04 FEB	0050	+11	42
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.37	31.22	25.10	243.0	79.89	3.04
5	-0.37	31.22	25.10	248.0	79.89	3.10
10	-0.39	31.24	25.12	242.0	79.92	3.02
21	-0.39	31.23	25.11	248.0	79.93	3.10
30	-0.19	31.27	25.13	243.0	79.44	3.05

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA6	57 46.8N	158 47.6W	03 FEB	2345	+11	37
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	0.19	31.42	25.24	247.0	78.49	3.14
10	0.17	31.43	25.25	234.0	78.53	2.97
30	0.17	31.44	25.25	241.0	78.52	3.06

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA7	57 44.4N	158 39.6W	03 FEB	2255	+11	34
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.05	31.30	25.15	258.0	79.10	3.26
10	-0.03	31.30	25.15	260.0	79.06	3.28
20	-0.01	31.32	25.17	256.0	79.00	3.24
28	0.06	31.35	25.19	248.0	78.82	3.14

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA8	57 40.1N	158 30.4W	03 FEB	2155	+11	28
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	0.13	31.39	25.22	255.0	78.64	3.24
5	0.13	31.38	25.21	265.0	78.65	3.36
10	0.13	31.38	25.21	247.0	78.65	3.14
20	0.22	31.44	25.25	235.0	78.41	2.99
24	0.24	31.44	25.25	493.0	78.37	6.29

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA9	57 36.6N	158 19.2W	03 FEB	2055	+11	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.77	30.85	24.81	367.0	81.04	4.52
5	-0.75	30.87	24.83	392.0	80.98	4.84
10	-0.75	30.84	24.80	375.0	81.00	4.62
20	-0.54	30.98	24.91	373.0	80.42	4.63
23	-0.48	31.00	24.92	359.0	80.27	4.47

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA10	57 34.1N	158 11.3W	03 FEB	2005	+11	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.95	30.75	24.74	406.0	81.53	4.97
5	-0.93	30.73	24.72	399.0	81.50	4.89
10	-0.95	30.72	24.71	398.0	81.55	4.88
17	-0.93	30.74	24.73	395.0	81.49	4.84

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA11	57 30.8N	157 25.2W	04 FEB	0420	+11	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.23	31.89	25.56	210.0	75.95	2.76
10	1.23	31.88	25.55	209.0	75.95	2.75
20	1.23	31.89	25.56	204.0	75.95	2.68
30	1.23	31.89	25.56	207.0	75.95	2.72
45	1.25	31.88	25.55	213.0	75.91	2.80

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA12	57 24.6N	159 15.3W	04 FEB	0540	+11	49
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	1.30	31.83	25.51	206.0	75.83	2.71
10	1.30	31.83	25.51	209.0	75.83	2.75
20	1.30	31.82	25.50	210.0	75.83	2.76
30	1.30	31.83	25.51	206.0	75.83	2.71
42	1.30	31.80	25.49	203.0	75.85	2.67

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA13	57 20.7N	159 8.2W	04 FEB	0655	+11	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.23	31.73	25.43	212.0	76.03	2.78
10	1.21	31.75	25.45	210.0	76.06	2.76
20	1.21	31.74	25.44	214.0	76.07	2.81
30	1.21	31.73	25.43	212.0	76.08	2.78
46	1.21	31.72	25.43	213.0	76.08	2.79

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA14	57 17.6N	159 3.2W	04 FEB	0755	+11	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.01	31.69	25.41	209.0	76.53	2.73
10	1.01	31.66	25.39	205.0	76.54	2.67
21	1.01	31.65	25.38	203.0	76.55	2.65
31	1.03	31.65	25.38	203.0	76.51	2.65

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA15	57 12.5N	158 55.5W	04 FEB	0920	+11	30
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	0.60	31.51	25.29	203.0	77.52	2.61
10	0.58	31.53	25.31	205.0	77.56	2.64
20	0.58	31.52	25.30	206.0	77.56	2.65
24	0.58	31.51	25.29	204.0	77.57	2.62

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA16	57 7.3N	158 46.3W	04 FEB	1030	+11	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-01.00	30.62	24.63	492.0	81.73	6.01
5	-01.00	30.60	24.62	477.0	81.74	5.83
10	-1.02	30.59	24.61	510.0	81.80	6.23
12	-1.04	30.58	24.60	488.0	81.85	5.96

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA17	57 11.1N	160 0.0W	07 FEB	0555	+11	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	1.62	31.85	25.51	244.0	74.94	3.25
10	1.61	31.87	25.52	244.0	74.95	3.25
20	1.61	31.86	25.51	244.0	74.96	3.25
39	1.61	31.86	25.51	241.0	74.96	3.21
49	1.61	31.86	25.51	278.0	74.96	3.70

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA18	57 2.0N	159 50.4W	07 FEB	0425	+11	59
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	1.53	31.79	25.46	247.0	75.16	3.28
10	1.52	31.79	25.46	239.0	75.18	3.17
20	1.53	31.78	25.46	255.0	75.17	3.39
40	1.57	31.81	25.48	256.0	75.07	3.41
52	1.57	31.81	25.48	250.0	75.07	3.33

CRUISE NUMBER  
RP-4-SU-81A-1

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA19	56 55.8N	159 43.9W	07 FEB	0320	+11	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.32	31.71	25.41	262.0	75.65	3.46
10	1.32	31.71	25.41	266.0	75.65	3.51
19	1.32	31.70	25.40	256.0	75.66	3.38
45	1.32	31.70	25.40	258.0	75.66	3.40

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA20	56 50.9N	159 37.7W	07 FEB	0205	+11	42
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	0.30	31.32	25.15	389.0	78.09	4.98
10	0.28	31.34	25.17	380.0	78.12	4.86
20	0.28	31.33	25.16	381.0	78.13	4.87
36	0.43	31.37	25.19	371.0	77.77	4.77

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA21	56 48.1N	159 34.2W	07 FEB	0115	+11	41
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
11	0.27	31.33	25.16	371.0	78.15	4.74
21	0.28	31.33	25.16	360.0	78.13	4.60
31	0.28	31.34	25.17	345.0	78.12	4.41

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA22	56 44.0N	159 28.4W	07 FEB	0005	+11	29
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	-0.25	31.09	24.99	353.0	79.47	4.44
3	-0.25	31.09	24.99	347.0	79.47	4.36
8	-0.25	31.09	24.99	349.0	79.47	4.39
17	-0.27	31.12	25.01	345.0	79.50	4.33
21	-0.27	31.12	25.01	345.0	79.50	4.33

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA23	56 49.9N	160 26.6W	07 FEB	0935	+11	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.34	31.76	25.45	285.0	75.58	3.77
10	1.32	31.80	25.48	274.0	75.60	3.62
20	1.32	31.77	25.46	285.0	75.62	3.76
40	1.34	31.77	25.46	271.0	75.57	3.58
60	1.34	31.78	25.47	274.0	75.57	3.62

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA24	56 41.4N	160 18.3W	07 FEB	1055	+11	62
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.55	31.88	25.53	249.0	75.07	3.31
10	1.55	31.88	25.53	234.0	75.07	3.11
20	1.55	31.89	25.54	238.0	75.07	3.17
40	1.57	31.88	25.53	249.0	75.03	3.31
50	1.57	31.89	25.54	267.0	75.03	3.55

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA25	56 37.4N	160 13.2W	07 FEB	1200	+11	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	0.98	31.65	25.38	251.0	76.41	3.28
10	0.98	31.65	25.38	245.0	76.41	3.20
21	0.98	31.64	25.38	248.0	76.42	3.24
31	1.02	31.66	25.39	251.0	76.32	3.28
45	1.02	31.69	25.41	249.0	76.30	3.26

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA26	56 32.1N	160 9.2W	07 FEB	1310	+11	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	0.11	31.22	25.08	341.0	78.57	4.33
10	0.07	31.22	25.08	338.0	78.66	4.29
20	0.07	31.24	25.10	333.0	78.65	4.23
27	0.05	31.23	25.09	339.0	78.70	4.30

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA27	56 29.4N	160 5.2W	07 FEB	1415	+11	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	-0.32	30.94	24.87	405.0	79.72	5.08
10	-0.36	30.95	24.88	407.0	79.80	5.09
16	-0.36	30.97	24.90	410.0	79.79	5.13
20	-0.36	30.94	24.87	412.0	79.81	5.16



CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA28	56 41.4N	160 55.2W	29 JAN	1920	+11	73
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	2.06	32.08	25.66	215.0	74.11	2.90
9	2.08	32.10	25.68	205.0	74.05	2.76
21	2.15	32.11	25.68	214.0	73.91	2.89
40	2.20	32.10	25.67	208.0	73.81	2.81
65	2.20	32.10	25.67	222.0	73.81	3.00

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA28A	56 42.0N	160 54.2W	07 FEB	2330	+11	73
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	2.23	32.08	25.65	216.0	73.56	2.93
10	2.19	32.09	25.66	206.0	73.64	2.79
40	2.19	32.09	25.66	207.0	73.64	2.81
63	2.18	32.09	25.66	202.0	73.66	2.74

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA29	56 34.1N	160 48.3W	29 JAN	2130	+11	66
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	1.72	31.95	25.58	211.0	74.88	2.81
20	1.72	31.97	25.60	200.0	74.87	2.67
40	1.81	31.97	25.59	205.0	74.68	2.74
60	1.79	31.99	25.61	212.0	74.71	2.83

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA29A	56 35.1N	160 47.6W	07 FEB	2235	+11	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	2.39	32.08	25.64	213.0	73.24	2.90
10	2.36	32.09	25.65	215.0	73.30	2.93
20	2.36	32.08	25.64	209.0	73.30	2.85
40	2.36	32.07	25.63	217.0	73.31	2.95
56	2.36	32.08	25.64	213.0	73.30	2.90

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA30	56 29.5N	160 43.1W	29 JAN	2255	+11	57
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	1.10	31.75	25.46	212.0	76.30	2.77
9	1.10	31.75	25.46	218.0	76.30	2.85
21	1.09	31.76	25.47	214.0	76.32	2.80
40	1.50	31.91	25.56	225.0	75.36	2.98
50	1.54	31.89	25.54	214.0	75.29	2.84

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA30A	56 30.1N	160 42.6W	07 FEB	2140	+11	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	2.00	31.98	25.58	224.0	74.08	3.02
10	2.00	31.99	25.59	219.0	74.08	2.95
50	2.03	31.99	25.59	217.0	74.02	2.93

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA31	56 23.9N	160 36.5W	30 JAN	0055	+11	47
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	0.17	31.42	25.24	233.0	78.54	2.96
10	0.17	31.41	25.23	242.0	78.54	3.08
20	0.19	31.41	25.23	241.0	78.50	3.07
31	0.22	31.43	25.24	237.0	78.42	3.02
36	0.28	31.39	25.21	235.0	78.30	3.00

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA31A	56 24.9N	160 37.2W	07 FEB	2050	+11	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	1.28	31.73	25.43	235.0	75.72	3.10
10	1.28	31.72	25.42	233.0	75.73	3.07
20	1.28	31.74	25.44	233.0	75.72	3.07
35	1.50	31.73	25.42	230.0	75.26	3.05

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA32	56 20.3N	160 30.3W	30 JAN	0440	+11	34
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	-0.32	31.21	25.09	271.0	79.78	3.39
4	-0.25	31.25	25.12	247.0	79.59	3.10
10	-0.21	31.26	25.12	267.0	79.49	3.35
19	-0.16	31.28	25.14	249.0	79.37	3.13

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA32A	56 21.4N	160 32.1W	07 FEB	1955	+11	33
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	0.27	31.29	25.13	324.0	78.17	4.14
5	0.27	31.31	25.15	353.0	78.14	4.51
10	0.27	31.31	25.15	331.0	78.16	4.23
15	0.27	31.33	25.16	308.0	78.15	3.94
25	0.36	31.34	25.17	256.0	77.94	3.28

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA33	56 16.0N	160 27.8W	07 FEB	1715	+11	24
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	-0.20	30.45	24.47	687.0	79.73	8.61
5	-0.22	30.52	24.53	690.0	79.73	8.65
10	-0.25	30.66	24.64	725.0	79.72	9.09
15	-0.34	30.75	24.72	564.0	79.88	7.06

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA34	56 35.7N	161 18.9W	31 JAN	0100	+11	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.51	32.16	25.69	200.0	73.15	2.73
20	2.49	32.17	25.70	199.0	73.19	2.71
40	2.51	32.15	25.68	206.0	73.16	2.81
51	2.51	32.16	25.69	204.0	73.15	2.78
59	2.51	32.16	25.69	206.0	73.15	2.81

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA34A	56 35.4N	161 17.9W	08 FEB	0225	+11	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.66	32.12	25.65	208.0	72.68	2.86
10	2.64	32.11	25.64	203.0	72.73	2.79
20	2.66	32.09	25.62	208.0	72.70	2.86
40	2.64	32.11	25.64	208.0	72.73	2.85
63	2.64	32.09	25.63	214.0	72.74	2.94

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA35	56 29.1N	161 13.1W	30 JAN	2300	+11	70
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
19	2.37	32.12	25.67	198.0	73.45	2.69
40	2.40	32.11	25.66	197.0	73.40	2.68
49	2.42	32.09	25.64	199.0	73.37	2.71
55	2.40	32.10	25.65	200.0	73.40	2.72

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA35A	56 28.8N	161 11.8W	08 FEB	0345	+11	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	2.03	31.96	25.57	221.0	74.04	2.98
20	2.09	31.98	25.58	218.0	73.90	2.94
40	2.16	31.95	25.55	210.0	73.78	2.84
51	2.18	31.99	25.58	218.0	73.71	2.95
61	2.18	31.98	25.57	214.0	73.72	2.90

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA36	56 23.0N	161 6.1W	30 JAN	2125	+11	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.88	31.99	25.60	205.0	74.52	2.75
19	1.91	31.98	25.59	202.0	74.47	2.71
29	2.01	32.01	25.61	206.0	74.25	2.77
40	2.04	32.01	25.61	194.0	74.18	2.61
49	2.02	32.02	25.62	211.0	74.22	2.84

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA36A	56 22.8N	161 5.9W	08 FEB	0455	+11	59
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	1.87	31.92	25.55	217.0	74.39	2.91
10	1.86	31.93	25.55	217.0	74.40	2.91
20	1.86	31.92	25.55	213.0	74.41	2.86
30	1.86	31.91	25.54	217.0	74.41	2.91
54	1.86	31.92	25.55	217.0	74.41	2.91

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA37	56 18.9N	161 2.4W	30 JAN	2025	+11	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
9	1.61	31.69	25.38	210.0	75.25	2.79
20	1.59	31.90	25.55	212.0	75.18	2.81
33	1.63	31.94	25.58	273.0	75.07	3.63
42	1.63	31.91	25.55	231.0	75.09	3.07

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA37A	56 19.3N	161 1.8W	08 FEB	0550	+11	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	1.25	31.72	25.42	246.0	75.79	3.24
10	1.28	31.72	25.42	243.0	75.73	3.20
20	1.25	31.71	25.42	246.0	75.80	3.24
30	1.34	31.74	25.44	245.0	75.59	3.24
47	1.57	31.75	25.43	226.0	75.10	3.00

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA38	56 13.3N	160 56.3W	30 JAN	1910	+11	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	0.69	31.60	25.36	233.0	77.28	3.01
5	0.69	31.60	25.36	238.0	77.28	3.07
9	0.71	31.62	25.37	297.0	77.22	3.84
31	0.91	31.64	25.38	233.0	76.77	3.03

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA38A	56 13.3N	160 55.2W	08 FEB	0655	+11	59
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	0.05	31.07	24.96	426.0	78.80	5.40
5	0.07	31.12	25.00	448.0	78.72	5.69
10	0.18	31.16	25.03	408.0	78.45	5.20
21	0.52	31.37	25.18	316.0	77.57	4.07
31	0.53	31.41	25.21	300.0	77.53	3.86

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA39	56 7.7N	160 49.6W	30 JAN	1800	+11	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.73	30.92	24.87	489.0	80.91	6.04
4	-0.70	30.93	24.88	428.0	80.83	5.29
9	-0.66	31.01	24.94	402.0	80.69	4.98
20	-0.43	31.08	24.99	378.0	80.11	4.71

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA39A	56 7.0N	160 49.1W	08 FEB	0755	+11	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	-0.20	30.99	24.91	452.0	79.41	5.69
4	-0.20	31.01	24.92	453.0	79.40	5.70
10	-0.23	31.02	24.93	479.0	79.46	6.02
15	-0.09	31.19	25.06	432.0	79.04	5.46

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA40	56 3.7N	160 43.2W	30 JAN	1630	+11	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	-1.53	30.45	24.51	2785.0	83.13	33.50
6	-1.51	30.45	24.51	2734.0	83.08	32.90
17	-1.49	30.45	24.51	2528.0	83.03	30.44



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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA40A	56 2.1N	160 42.2W	08 FEB	0845	+11	20

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	-0.66	30.50	24.53	1239.0	80.77	15.33
5	-0.66	30.50	24.53	1231.0	80.77	15.23
10	-0.70	30.51	24.54	1237.0	80.86	15.29

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA41	56 28.8N	161 43.7W	31 JAN	1555	+11	90

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.73	32.15	25.67	201.0	72.72	2.76
20	2.71	32.16	25.68	211.0	72.75	2.90
40	2.69	32.14	25.66	211.0	72.80	2.89
60	2.69	32.12	25.65	203.0	72.81	2.78
83	2.69	32.13	25.65	198.0	72.81	2.71

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA41A	56 28.2N	161 44.4W	08 FEB	1705	+11	88

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.69	32.13	25.65	220.0	72.62	3.02
20	2.69	32.11	25.64	220.0	72.63	3.02
40	2.69	32.08	25.61	216.0	72.64	2.97
60	2.68	32.10	25.63	218.0	72.65	3.00
83	2.69	32.08	25.61	220.0	72.64	3.02

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA42	56 22.1N	161 36.0W	31 JAN	1030	+11	57
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.37	32.05	25.61	209.0	73.49	2.84
20	2.35	32.06	25.62	209.0	73.53	2.84
41	2.35	32.06	25.62	211.0	73.53	2.86
52	2.37	32.05	25.61	207.0	73.49	2.81

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA42A	56 21.9N	161 35.8W	08 FEB	1600	+11	66
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.00	31.81	25.45	221.0	74.17	2.97
20	2.03	31.86	25.49	220.0	74.09	2.96
40	2.03	31.89	25.51	229.0	74.07	3.09
50	2.05	31.89	25.51	229.0	74.03	3.09
61	2.05	31.90	25.52	256.0	74.03	3.45

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43	56 16.2N	161 29.1W	31 JAN	0920	+11	57
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.55	31.86	25.52	216.0	75.28	2.86
10	1.55	31.83	25.49	213.0	75.30	2.82
20	1.55	31.85	25.51	206.0	75.29	2.73
31	1.55	31.88	25.53	201.0	75.27	2.67
50	1.55	31.85	25.51	220.0	75.29	2.92

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43A	56 15.9N	161 29.1W	08 FEB	1435	+11	62
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.68	31.69	25.37	242.0	74.90	3.23
10	1.59	31.78	25.45	227.0	75.04	3.02
20	1.59	31.77	25.44	227.0	75.05	3.02
30	1.59	31.74	25.42	234.0	75.06	3.11
56	1.59	31.76	25.44	222.0	75.05	2.95

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44	56 10.1N	161 24.0W	31 JAN	0755	+11	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.14	31.74	25.45	204.0	76.22	2.67
10	1.12	31.75	25.46	213.0	76.26	2.79
20	1.12	31.74	25.45	212.0	76.26	2.77
29	1.12	31.73	25.44	219.0	76.27	2.87
30	1.12	31.73	25.44	231.0	76.27	3.02

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44A	56 10.0N	161 24.0W	08 FEB	1325	+11	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.27	31.60	25.33	237.0	75.82	3.12
10	1.18	31.66	25.38	238.0	75.98	3.13
20	1.19	31.68	25.40	237.0	75.94	3.12
30	1.23	31.68	25.39	238.0	75.86	3.13
40	1.27	31.70	25.41	234.0	75.76	3.08

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45	56 5.4N	161 19.6W	31 JAN	0550	+11	32

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	0.47	31.58	25.35	239.0	77.77	3.07
7	0.47	31.57	25.35	242.0	77.78	3.11
10	0.47	31.57	25.35	237.0	77.78	3.04
25	0.60	31.61	25.37	228.0	77.47	2.94

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45A	56 5.1N	161 19.7W	08 FEB	1215	+11	38

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	0.96	31.63	25.37	250.0	76.46	3.26
5	0.94	31.65	25.39	261.0	76.50	3.41
10	0.94	31.64	25.38	322.0	76.50	4.20
20	0.94	31.65	25.39	281.0	76.50	3.67
31	0.96	31.63	25.37	256.0	76.46	3.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46	56 3.1N	161 15.7W	31 JAN	0520	+11	31

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	0.13	31.41	25.23	290.0	78.63	3.68
5	0.11	31.43	25.25	283.0	78.67	3.59
10	0.13	31.40	25.22	288.0	78.64	3.66
15	0.28	31.52	25.31	292.0	78.23	3.73
22	0.33	31.48	25.28	274.0	78.14	3.50

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46A	56 2.0N	161 15.7W	08 FEB	1100	+11	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	0.62	31.48	25.27	340.0	77.29	4.39
5	0.62	31.45	25.24	319.0	77.31	4.12
10	0.62	31.47	25.26	321.0	77.29	4.15
15	0.62	31.47	25.26	320.0	77.29	4.13
17	0.62	31.46	25.25	323.0	77.30	4.17

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA47	56 10.0N	162 23.6W	02 FEB	2005	+11	62
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.65	32.06	25.60	241.0	72.92	3.30
10	2.62	32.03	25.58	241.0	73.00	3.30
21	2.65	32.04	25.58	237.0	72.93	3.24
40	2.69	32.06	25.60	249.0	72.84	3.41
56	2.71	32.07	25.60	274.0	72.80	3.76

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA47A	56 10.0N	162 24.1W	08 FEB	2000	+11	75
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	2.75	31.82	25.40	319.0	72.66	4.39
20	2.73	31.85	25.43	219.0	72.68	3.01
40	2.61	31.90	25.48	264.0	72.90	3.62
51	2.57	31.90	25.48	311.0	72.97	4.26
67	2.59	31.89	25.47	294.0	72.94	4.03

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
26 JAN-19 FEB 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA48	56 3.5N	162 18.0W	02 FEB	1845	+11	73
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	2.19	31.87	25.48	200.0	73.95	2.70
10	2.19	31.86	25.48	212.0	73.96	2.86
21	2.19	31.86	25.48	202.0	73.96	2.73
40	2.19	31.84	25.46	202.0	73.97	2.73
64	2.17	31.84	25.46	200.0	74.01	2.70

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA48A	56 4.0N	162 18.3W	08 FEB	2105	+11	75
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	2.77	31.76	25.35	270.0	72.65	3.71
20	2.73	31.79	25.38	281.0	72.71	3.86
40	2.59	31.85	25.44	322.0	72.96	4.41
51	2.57	31.88	25.46	241.0	72.99	3.30
66	2.59	31.87	25.45	225.0	72.95	3.08

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA49	55 57.6N	162 10.7W	02 FEB	1725	+11	62
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.95	31.70	25.36	213.0	74.54	2.85
11	1.97	31.69	25.36	210.0	74.50	2.81
22	1.99	31.69	25.35	200.0	74.46	2.68
40	2.01	31.70	25.36	213.0	74.41	2.86
52	2.01	31.69	25.35	208.0	74.42	2.79

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LOCATION  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA49A	55 58.3N	162 11.1W	08 FEB	2315	+11	63
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	2.25	31.53	25.21	233.0	73.81	3.15
20	2.48	31.75	25.37	224.0	73.23	3.05
40	2.44	31.77	25.39	211.0	73.30	2.87
55	2.43	31.73	25.37	239.0	73.33	3.25

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA50	55 54.9N	162 8.6W	02 FEB	1630	+11	50
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	1.37	31.50	25.24	218.0	75.85	2.87
10	1.39	31.50	25.24	228.0	75.82	3.00
21	1.39	31.49	25.23	223.0	75.82	2.94
28	1.41	31.49	25.23	235.0	75.78	3.10
42	*	-2.16	-1.81	225.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA50A	55 55.4N	162 9.5W	09 FEB	0015	+11	50
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.87	31.53	25.23	228.0	74.59	3.05
10	1.94	31.52	25.22	236.0	74.45	3.16
20	2.09	31.64	25.31	229.0	74.08	3.09
30	2.18	31.67	25.32	224.0	73.88	3.03
44	2.27	31.69	25.33	230.0	73.69	3.12

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA51	55 52.3N	162 4.1W	02 FEB	1510	+11	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	0.73	31.34	25.15	234.0	77.33	3.02
5	0.73	31.32	25.13	228.0	77.34	2.94
10	0.71	31.33	25.14	237.0	77.38	3.06
21	0.71	31.34	25.15	226.0	77.38	2.92
22	0.80	31.36	25.16	237.0	77.17	3.07

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA51A	55 52.4N	162 4.9W	09 FEB	0130	+11	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.19	31.28	25.08	248.0	76.16	3.25
5	1.19	31.30	25.09	240.0	76.15	3.15
11	1.19	31.32	25.11	244.0	76.14	3.20
21	1.23	31.32	25.11	242.0	76.05	3.18
29	1.25	31.31	25.10	239.0	76.02	3.14

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA52	55 49.4N	161 59.2W	02 FEB	1410	+11	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	0.33	31.14	25.01	244.0	78.33	3.11
6	0.33	31.16	25.02	240.0	78.32	3.06
8	0.33	31.16	25.02	241.0	78.32	3.07



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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA52A	55 49.6N	162 3.1W	09 FEB	0225	+11	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	1.00	31.05	24.90	258.0	76.70	3.36
6	1.00	31.07	24.92	259.0	76.69	3.37
11	1.00	31.04	24.89	247.0	76.70	3.21
15	1.02	31.06	24.91	262.0	76.65	3.41

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA53	55 47.4N	163 16.9W	09 FEB	0625	+11	88
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.32	31.66	25.23	218.0	71.62	3.04
20	3.32	31.69	25.25	217.0	71.61	3.03
40	3.34	31.68	25.24	227.0	71.58	3.17
60	3.46	31.66	25.22	229.0	71.36	3.20
82	2.52	31.71	25.33	225.0	73.17	3.07

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA54	55 41.2N	163 9.5W	09 FEB	0925	+11	72
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.23	31.57	25.16	239.0	71.84	3.32
20	3.37	31.70	25.26	255.0	71.51	3.56
40	3.45	31.65	25.21	238.0	71.38	3.33
67	3.80	31.86	25.34	270.0	70.61	3.82

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA55	56 35.9N	163 4.6W	09 FEB	1100	+11	54
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.34	31.40	25.10	255.0	73.70	3.45
10	2.34	31.42	25.11	239.0	73.69	3.24
20	2.43	31.45	25.13	253.0	73.49	3.44
40	3.02	31.53	25.15	246.0	72.29	3.40
49	3.02	31.56	25.17	238.0	72.26	3.29

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA56	55 30.9N	162 58.8W	09 FEB	1145	+11	44
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.89	31.53	25.16	241.0	72.53	3.32
10	2.97	31.55	25.18	242.0	72.56	3.33
20	2.89	31.52	25.15	244.0	72.54	3.36
30	2.86	31.53	25.16	248.0	72.59	3.41
38	2.87	31.52	25.15	249.0	72.58	3.43

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA57	55 28.2N	162 54.8W	09 FEB	1235	+11	42
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.14	31.39	25.10	278.0	74.11	3.75
5	2.18	31.39	25.10	280.0	74.03	3.78
10	2.16	31.39	25.10	251.0	74.07	3.38
20	2.14	31.40	25.11	247.0	74.11	3.33
38	2.14	31.38	25.10	256.0	74.12	3.45

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA58A	55 26.0N	162 53.1W	09 FEB	1330	+11	28
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	1.69	31.18	24.97	282.0	75.16	3.75
5	1.69	31.20	24.98	265.0	75.15	3.52
10	1.71	31.20	24.98	270.0	75.10	3.59
20	1.75	31.22	24.99	264.0	75.01	3.51

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA59	55 36.8N	164 1.3W	09 FEB	2255	+11	93
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.52	31.57	25.14	223.0	71.29	3.12
25	3.50	31.59	25.16	220.0	71.31	3.08
47	3.39	31.64	25.21	214.0	71.50	2.99
76	4.36	32.13	25.50	280.0	69.43	4.03
91	4.37	32.14	25.51	297.0	69.41	4.27

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA60	55 30.1N	163 52.9W	09 FEB	2140	+11	87
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.36	31.61	25.18	221.0	71.57	3.08
18	3.43	31.60	25.17	222.0	71.44	3.10
40	3.41	31.63	25.20	226.0	71.47	3.16
60	3.71	31.84	25.34	282.0	70.79	3.98
82	4.41	32.17	25.53	291.0	69.32	4.19

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA61	55 24.3N	163 46.9W	09 FEB	2035	+11	78
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.39	31.55	25.13	216.0	71.55	3.01
75	4.27	32.00	25.41	281.0	69.66	4.03

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA62	55 17.8N	163 41.2W	09 FEB	1930	+11	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.03	31.35	25.01	226.0	72.35	3.12
10	3.03	31.33	24.99	221.0	72.36	3.05
20	3.23	31.53	25.13	216.0	71.87	3.00
40	3.41	31.50	25.09	217.0	71.53	3.03
55	3.45	31.48	25.07	219.0	71.47	3.06

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA63	55 13.9N	163 36.1W	09 FEB	1840	+11	50
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	3.18	31.46	25.08	225.0	72.00	3.12
10	3.18	31.43	25.06	216.0	72.01	2.99
20	3.21	31.47	25.09	214.0	71.93	2.97
30	3.27	31.45	25.06	215.0	71.83	2.99
44	3.28	31.46	25.07	350.0	71.80	4.87

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA64	55 10.9N	163 32.3W	09 FEB	1750	+11	46
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.68	31.23	24.94	275.0	73.10	3.76
10	2.69	31.21	24.92	277.0	73.09	3.78
20	2.75	31.27	24.96	259.0	72.94	3.55
30	2.64	31.31	25.00	282.0	73.14	3.85
36	2.64	31.30	25.00	250.0	73.15	3.41

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA65A	55 8.4N	163 31.7W	09 FEB	1705	+11	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.44	31.06	24.82	375.0	73.68	5.08
5	2.44	31.06	24.82	370.0	73.68	5.02
10	2.43	31.08	24.84	370.0	73.69	5.02
15	2.48	31.10	24.85	342.0	73.57	4.64
31	2.39	31.20	24.93	298.0	73.70	4.04

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA68	55 15.0N	164 49.1W	10 FEB	0735	+11	107
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.68	31.59	25.14	278.0	70.97	3.91
26	3.70	31.60	25.15	278.0	70.93	3.91
51	3.71	31.58	25.13	282.0	70.92	3.97
76	3.80	31.64	25.17	280.0	70.72	3.95
102	4.28	31.86	25.30	307.0	69.71	4.40

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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA69	55 10.1N	164 43.1W	10 FEB	0635	+11	104
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.61	31.54	25.11	267.0	71.13	3.75
26	3.64	31.57	25.13	269.0	71.06	3.78
51	3.75	31.57	25.12	291.0	70.85	4.10
76	4.07	31.61	25.12	288.0	70.23	4.10
96	4.36	31.78	25.23	285.0	69.60	4.09

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA70	55 5.2N	164 37.2W	10 FEB	0535	+11	77
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
7	3.55	31.49	25.07	364.0	71.27	5.10
19	3.61	31.49	25.07	277.0	71.15	3.89
40	3.80	31.54	25.09	297.0	70.77	4.19
60	3.87	31.56	25.10	303.0	70.63	4.28
68	3.93	31.60	25.13	309.0	70.49	4.38

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA71	55 0.7N	164 32.0W	10 FEB	0440	+11	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.21	31.28	24.93	313.0	72.03	4.34
10	3.18	31.29	24.94	236.0	72.09	3.27
21	3.18	31.28	24.94	241.0	72.09	3.34
40	3.23	31.31	24.96	240.0	71.98	3.33
53	3.25	31.29	24.94	241.0	71.95	3.34

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA72	54 57.0N	164 30.1W	10 FEB	0340	+11	49
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.05	31.23	24.91	246.0	72.37	3.39
5	3.05	31.23	24.91	241.0	72.37	3.32
10	3.05	31.20	24.88	242.0	72.39	3.34
20	3.05	31.24	24.92	246.0	72.37	3.39
45	3.09	31.20	24.88	245.0	72.31	3.38

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG11	56 15.5N	164 41.6W	31 JAN	0155	+11	91
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	3.12	31.94	25.47	208.0	72.06	2.88
19	3.12	31.93	25.46	202.0	72.06	2.80
40	3.12	31.96	25.48	201.0	72.05	2.78
61	3.50	32.09	25.55	223.0	71.25	3.12
77	3.54	32.08	25.54	222.0	71.18	3.11

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG12	56 28.3N	165 22.6W	31 JAN	0520	+11	90
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
8	3.07	31.89	25.43	206.0	72.18	2.85
20	3.01	31.98	25.51	213.0	72.25	2.94
39	3.16	32.01	25.52	211.0	71.95	2.93
61	3.46	32.10	25.57	243.0	71.32	3.40
75	3.46	32.09	25.56	242.0	71.32	3.39

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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG13	56 40.0N	166 4.6W	11 FEB	2045	+11	80
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
7	3.27	31.77	25.32	234.0	71.67	3.26
20	3.27	31.76	25.31	228.0	71.67	3.18
40	3.27	31.77	25.32	233.0	71.67	3.25
60	3.25	32.04	25.54	264.0	71.57	3.68
76	3.20	32.04	25.54	266.0	71.66	3.71

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG14	56 55.1N	166 45.9W	12 FEB	0000	+11	77
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
8	3.03	31.86	25.41	227.0	72.09	3.14
20	3.03	31.87	25.42	229.0	72.08	3.17
40	2.73	32.00	25.55	265.0	72.60	3.64
59	2.73	32.00	25.55	222.0	72.60	3.05
69	2.73	32.00	25.55	223.0	72.60	3.07

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG15	57 11.1N	167 31.3W	12 FEB	1025	+11	72
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	2.59	32.05	25.60	241.0	72.86	3.30
20	2.61	32.04	25.59	232.0	72.82	3.18
40	2.61	32.06	25.60	229.0	72.81	3.14
60	2.64	32.12	25.65	232.0	72.77	3.19
70	2.62	32.13	25.66	227.0	72.76	3.11



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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG21	56 59.1N	168 39.8W	12 FEB	1410	+11	82
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	3.00	32.00	25.53	275.0	72.07	3.81
20	2.98	32.01	25.53	282.0	72.11	3.91
40	3.00	32.00	25.53	285.0	72.07	3.95
60	3.20	32.03	25.53	304.0	71.67	4.24
77	3.23	32.04	25.54	322.0	71.61	4.49

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG22	56 45.5N	168 0.7W	12 FEB	1750	+11	103
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	3.03	31.84	25.40	233.0	72.10	3.23
25	3.03	31.83	25.39	315.0	72.10	4.36
50	3.18	31.91	25.44	296.0	71.77	4.12
76	3.73	32.09	25.53	348.0	70.63	4.92
85	3.77	32.15	25.58	364.0	70.52	5.16

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG23	56 30.3N	167 16.0W	12 FEB	2205	+11	110
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	3.36	31.73	25.28	245.0	71.51	3.42
26	3.36	31.73	25.28	247.0	71.51	3.45
49	3.37	31.72	25.27	252.0	71.50	3.52
77	4.30	32.28	25.63	520.0	69.47	7.48
96	4.37	32.30	25.64	564.0	69.33	8.13

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG24	56 13.3N	166 30.9W	13 FEB	0145	+11	112
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
9	3.43	31.67	25.23	233.0	71.41	3.26
25	3.43	31.66	25.22	226.0	71.41	3.16
49	3.43	31.68	25.23	249.0	71.40	3.48
77	4.11	31.98	25.41	305.0	69.97	4.35
101	4.91	32.43	25.68	477.0	68.29	6.98
106	4.91	32.43	25.68	488.0	68.29	7.14

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG25	56 2.7N	165 51.8W	13 FEB	0450	+11	110
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
8	3.45	31.64	25.20	237.0	71.38	3.31
25	3.46	31.60	25.17	247.0	71.39	3.45
48	3.46	31.63	25.19	241.0	71.37	3.37
76	3.95	32.28	25.66	253.0	70.12	3.60
93	5.00	32.25	25.53	507.0	68.22	7.43
99	4.98	32.24	25.53	492.0	68.26	7.20

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG26	55 43.2N	164 52.2W	13 FEB	1035	+11	92
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	3.41	31.55	25.13	240.0	71.51	3.35
25	3.41	31.56	25.14	230.0	71.50	3.21
50	3.41	31.56	25.14	241.0	71.50	3.37
75	4.64	32.07	25.43	318.0	68.95	4.61
84	4.70	32.08	25.43	331.0	68.84	4.80
89	4.71	32.08	25.43	325.0	68.82	4.72

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LOCATION  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG27	55 23.9N	165 37.4W	13 FEB	1425	+11	119
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
8	3.52	31.56	25.13	265.0	71.29	3.71
18	3.53	31.56	25.13	270.0	71.27	3.78
40	3.53	31.56	25.13	276.0	71.27	3.87
61	3.77	31.72	25.24	294.0	70.73	4.15
82	4.05	31.87	25.33	326.0	70.13	4.64
110	4.77	32.39	25.67	391.0	68.56	5.70

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG28	55 39.0N	166 26.1W	02 FEB	0140	+11	121
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.55	31.79	25.31	208.0	71.30	2.91
18	3.54	31.77	25.30	210.0	71.33	2.94
27	3.54	31.77	25.30	208.0	71.33	2.91
37	3.54	31.78	25.30	219.0	71.33	3.07
47	3.70	31.78	25.29	306.0	71.02	4.30
56	4.37	32.09	25.47	270.0	69.62	3.87
66	4.58	32.24	25.57	257.0	69.16	3.71
74	4.78	32.40	25.68	289.0	68.72	4.20
85	4.89	32.48	25.73	299.0	68.48	4.36
94	5.00	32.65	25.85	439.0	68.21	6.43
104	4.96	32.74	25.92	968.0	68.23	14.18
109	4.98	32.82	25.99	1168.0	68.16	17.13
114	4.98	32.81	25.98	1149.0	68.17	16.85

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG28A	55 39.5N	166 24.0W	10 FEB	2300	+11	122
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.62	31.71	25.24	246.0	71.02	3.46
9	3.62	31.72	25.25	235.0	71.02	3.30
20	3.62	31.71	25.24	247.0	71.02	3.47
30	3.86	31.86	25.34	259.0	70.49	3.67
40	3.84	31.97	25.43	237.0	70.48	3.36
51	3.93	32.03	25.47	240.0	70.28	3.41
60	3.98	32.04	25.47	259.0	70.18	3.69
71	4.05	32.05	25.47	258.0	70.05	3.68
77	3.93	32.05	25.48	239.0	70.27	3.40
80	4.36	32.17	25.54	321.0	69.41	4.62
91	4.57	32.42	25.71	437.0	68.91	6.34
100	4.57	32.43	25.72	456.0	68.91	6.61
111	4.91	32.68	25.88	657.0	68.18	9.63
115	4.89	32.69	25.89	662.0	68.21	9.70
118	4.91	32.67	25.97	701.0	68.18	10.28

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LOCATION  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG28B	55 39.3N	166 23.4W	13 FEB	1825	+11	126
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
60	4.07	32.08	25.49	268.0	69.99	3.82
71	4.11	32.12	25.52	265.0	69.90	3.79
80	4.12	32.18	25.57	264.0	69.85	3.77
91	4.73	32.40	25.68	365.0	68.63	5.31
100	4.89	32.62	25.84	593.0	68.24	8.68
110	4.89	32.64	25.85	797.0	68.23	11.68
116	4.89	32.63	25.85	766.0	68.24	11.22
120	4.89	32.63	25.85	770.0	68.24	11.28

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG28C	55 40.2N	166 23.2W	15 FEB	2320	+11	122
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
59	3.91	31.76	25.25	257.0	70.45	3.64
69	3.91	31.98	25.43	260.0	70.34	3.69
77	3.96	32.00	25.44	264.0	70.24	3.75
87	4.55	32.36	25.67	483.0	68.98	7.00
97	4.45	32.32	25.65	464.0	69.18	6.70
99	4.70	32.27	25.58	657.0	68.75	9.55
111	4.89	32.60	25.82	1686.0	68.25	24.70
118	4.89	32.59	25.81	1625.0	68.25	23.80

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG28D	55 43.3N	166 23.8W	16 FEB	0025	+11	128
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.39	31.83	25.36	276.0	71.40	3.86
9	3.39	31.83	25.36	269.0	71.40	3.76
20	3.39	31.82	25.35	267.0	71.41	3.73
30	3.39	31.81	25.34	272.0	71.41	3.80
40	3.37	31.82	25.35	264.0	71.45	3.69
50	3.41	31.82	25.35	270.0	71.37	3.78
60	3.43	31.84	25.36	272.0	71.32	3.81
115	4.89	32.63	25.85	826.0	68.24	12.10
124	4.89	32.63	25.85	797.0	68.24	11.67

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG29	55 54.4N	167 3.8W	16 FEB	0400	+11	135
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
7	3.21	31.95	25.47	233.0	71.69	3.24
25	3.23	31.96	25.47	243.0	71.65	3.39
50	3.23	31.94	25.46	244.0	71.66	3.40
76	3.96	32.26	25.65	237.0	70.11	3.38
100	4.95	32.59	25.81	724.0	68.15	10.62
125	5.12	32.75	25.92	911.0	67.77	13.44
130	5.14	32.75	25.91	904.0	67.74	13.34

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG43	55 34.8N	167 59.0W	15 FEB	0940	+11	130
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
8	3.73	32.32	25.72	242.0	70.51	3.43
29	3.75	32.33	25.72	240.0	70.47	3.40
60	3.75	32.37	25.75	258.0	70.45	3.66
100	4.61	32.69	25.92	337.0	68.71	4.90
118	4.50	32.81	26.03	292.0	68.85	4.24
128	4.50	32.80	26.02	289.0	68.85	4.19

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG45	55 4.3N	166 28.4W	15 FEB	1815	+11	145
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
7	3.41	31.98	25.47	252.0	71.29	3.53
30	3.39	31.96	25.46	256.0	71.34	3.58
60	4.12	32.23	25.61	309.0	69.83	4.42
100	4.28	32.46	25.77	276.0	69.42	3.97
126	4.14	32.56	25.87	265.0	69.63	3.80
133	4.45	32.65	25.91	289.0	69.02	4.18

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG47	54 32.1N	166 34.5W	16 FEB	1615	+11	455
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.61	32.39	25.78	276.0	70.70	3.90
51	3.95	32.36	25.73	277.0	70.08	3.95
100	4.20	32.81	26.06	275.0	69.40	3.96
201	4.37	33.17	26.33	257.0	68.91	3.72
302	4.02	33.44	26.58	176.0	69.42	2.53
435	3.71	33.74	26.85	129.0	69.84	1.84

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG48	54 41.8N	167 15.5W	16 FEB	1130	+11	466

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	3.82	32.56	25.90	268.0	70.22	3.81
53	3.82	32.52	25.87	255.0	70.24	3.63
100	4.21	32.65	25.93	277.0	69.46	3.98
201	4.23	33.06	26.25	250.0	69.22	3.61
302	4.11	33.23	26.40	160.0	69.36	2.30
460	3.78	33.60	26.73	208.0	69.78	2.98

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP10	54 31.3N	165 40.2W	16 FEB	2120	+11	289

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	3.45	31.64	25.20	324.0	71.38	4.53
51	4.05	32.43	25.77	270.0	69.86	3.86
100	4.16	32.69	25.97	262.0	69.53	3.76
200	4.23	32.96	26.18	235.0	69.27	3.39
287	4.11	33.34	26.49	192.0	69.30	2.77

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP11	54 30.3N	165 36.3W	16 FEB	2225	+11	126

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	3.62	31.77	25.29	344.0	70.99	4.84
25	3.66	31.79	25.30	339.0	70.91	4.78
51	3.95	32.12	25.54	317.0	70.20	4.51
77	4.20	32.57	25.87	273.0	69.51	3.92
110	4.37	32.98	26.18	288.0	69.00	4.17



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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP12	54 28.4N	165 30.8W	16 FEB	2345	+11	90
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	3.46	31.56	25.14	365.0	71.41	5.11
20	3.45	31.54	25.12	370.0	71.44	5.17
40	3.46	31.53	25.11	344.0	71.42	4.81
60	3.82	31.85	25.33	374.0	70.58	5.29
74	4.12	32.46	25.79	333.0	69.71	4.77

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP13	54 26.2N	165 18.3W	17 FEB	0135	+11	157
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	3.68	31.71	25.24	441.0	70.91	6.21
25	3.68	31.72	25.24	429.0	70.90	6.04
50	3.71	31.80	25.30	423.0	70.81	5.97
100	3.84	31.94	25.40	402.0	70.49	5.70
140	3.96	32.07	25.50	533.0	70.20	7.59

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP14	54 23.5N	165 4.5W	17 FEB	0410	+11	115
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
7	3.73	31.88	25.37	392.0	70.73	5.54
25	3.75	31.89	25.37	391.0	70.69	5.53
50	3.77	31.87	25.35	407.0	70.66	5.75
76	3.78	31.90	25.38	394.0	70.63	5.57
104	3.78	31.85	25.34	396.0	70.65	5.60

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL4	55 19.8N	167 8.9W	10 FEB	1645	+11	141
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
7	3.96	32.21	25.61	239.0	70.13	3.40
25	3.96	32.24	25.63	234.0	70.12	3.33
50	4.03	32.29	25.66	239.0	69.96	3.41
76	4.41	32.45	25.75	274.0	69.19	3.96
103	4.64	32.58	25.83	302.0	68.71	4.39
134	4.86	32.73	25.93	282.0	68.24	4.13

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL6	55 40.2N	166 39.0W	10 FEB	2020	+11	128
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	3.82	31.87	25.35	248.0	70.57	3.51
25	3.84	31.90	25.37	259.0	70.51	3.67
51	4.03	32.07	25.49	278.0	70.07	3.96
103	4.89	32.66	25.87	592.0	68.22	8.67
123	4.89	32.64	25.85	622.0	68.23	9.11

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL6	55 57.1N	166 4.9W	11 FEB	0240	+11	122
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.66	31.79	25.30	259.0	70.91	3.65
25	3.70	31.82	25.32	238.0	70.82	3.36
50	3.96	31.96	25.41	257.0	70.26	3.65
76	4.52	32.25	25.58	303.0	69.08	4.38
116	4.86	32.63	25.85	638.0	68.29	9.34

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL10	56 15.7N	165 37.1W	31 JAN	0945	+11	115
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.45	31.71	25.26	224.0	71.54	3.13
20	3.45	31.69	25.24	199.0	71.55	2.78
40	3.45	31.68	25.23	216.0	71.55	3.01
60	3.82	31.97	25.43	239.0	70.70	3.38
79	4.65	32.36	25.66	255.0	68.97	3.69

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL10A	56 17.3N	165 38.1W	11 FEB	0710	+11	94
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	3.37	31.67	25.23	220.0	71.52	3.07
20	3.34	31.67	25.23	223.0	71.58	3.11
40	3.20	31.70	25.27	214.0	71.84	2.97
60	3.11	31.79	25.35	210.0	71.97	2.91
85	3.71	32.06	25.51	283.0	70.68	4.00

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL12	56 32.4N	165 8.3W	11 FEB	1215	+11	81
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	2.89	31.86	25.42	231.0	72.36	3.19
20	2.87	31.87	25.43	217.0	72.40	2.99
41	2.93	31.90	25.45	212.0	72.26	2.93
60	3.02	31.92	25.46	218.0	72.08	3.02
75	3.02	31.91	25.45	219.0	72.08	3.03

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LOCATION  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL14	56 49.9N	164 38.7W	11 FEB	1535	+11	75
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	2.66	32.08	25.62	216.0	72.70	2.97
10	2.66	32.07	25.61	217.0	72.71	2.98
20	2.68	32.07	25.61	200.0	72.67	2.75
41	2.66	32.07	25.61	210.0	72.71	2.88
70	2.68	32.05	25.59	218.0	72.68	2.99

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3A	56 4.2N	160 40.5W	05 FEB	1645	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.97	30.54	24.57	1273.0	81.71	15.57
5	-01.00	30.55	24.58	1290.0	81.77	15.77
15	-0.73	30.80	24.77	757.0	80.98	9.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3B	56 3.7N	160 40.8W	05 FEB	1800	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.63	30.88	24.83	414.0	80.69	5.13
4	-0.63	30.90	24.85	409.0	80.68	5.06
14	-0.63	30.92	24.86	412.0	80.67	5.10

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3C	56 3.8N	160 41.0W	05 FEB	2005	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.61	30.91	24.86	425.0	80.63	5.27
5	-0.61	30.91	24.86	436.0	80.63	5.40
12	-0.61	30.93	24.87	420.0	80.62	5.20

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3D	56 3.8N	160 41.0W	05 FEB	2200	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.97	30.56	24.58	1127.0	81.69	13.79
6	-0.95	30.59	24.61	1114.0	81.63	13.64
15	-0.66	30.84	24.80	432.0	80.79	5.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3E	56 3.9N	160 40.7W	06 FEB	0020	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-1.04	30.40	24.46	1954.0	81.96	23.83
6	-1.06	30.42	24.47	1955.0	82.00	23.84
15	-1.08	30.43	24.48	1791.0	82.04	21.82

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3F	56 3.9N	160 40.7W	06 FEB	0213	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.99	30.16	24.26	2585.0	81.98	31.52
4	-0.99	30.16	24.26	2609.0	81.98	31.82
13	-01.00	30.39	24.45	2532.0	81.87	30.92

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3G	56 3.8N	160 41.0W	06 FEB	0415	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.91	30.02	24.15	2650.0	81.87	32.36
4	-0.91	30.02	24.15	2636.0	81.87	32.19
13	-0.93	30.07	24.19	2678.0	81.89	32.69

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3H	56 3.7N	160 41.0W	06 FEB	0605	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-1.08	30.44	24.49	1617.0	82.03	19.71
4	-1.08	30.44	24.49	1869.0	82.03	22.78
14	-1.06	30.39	24.45	2053.0	82.01	25.03

CRUISE NUMBER  
RP-4-SU-81A-I

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3I	56 3.7N	160 41.0W	06 FEB	0805	+11	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.72	30.81	24.78	631.0	80.95	7.79
5	-0.73	30.81	24.78	647.0	80.97	7.98
15	-0.73	30.80	24.77	662.0	80.98	8.17

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3J	56 3.7N	160 41.0W	06 FEB	0955	+11	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.66	30.87	24.83	621.0	80.77	7.68
5	-0.66	30.87	24.83	514.0	80.77	6.36
16	*	-2.16	-1.81	522.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3K	56 3.8N	160 40.4W	06 FEB	1210	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.88	30.98	24.92	697.0	81.23	8.58
5	-0.72	30.81	24.78	673.0	80.95	8.31
12	-0.88	31.00	24.94	630.0	81.22	7.75

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3L	56 3.8N	160 40.4W	06 FEB	1410	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.84	30.62	24.63	1227.0	81.35	15.08
5	-0.86	30.59	24.60	1180.0	81.41	14.49
15	-0.79	30.72	24.71	906.0	81.17	11.16

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3M	56 3.7N	160 41.0W	06 FEB	1610	+11	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	-0.97	30.43	24.48	1608.0	81.77	19.66
4	-0.99	30.41	24.46	1893.0	81.83	23.13
13	-0.90	30.53	24.56	1939.0	81.54	23.77

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM3N	56 3.7N	160 41.0W	06 FEB	1805	+11	19
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	-0.97	30.47	24.51	1842.0	81.75	22.53
14	-0.97	30.41	24.46	1558.0	81.78	19.04



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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-A	55 44.0N	160 41.3W	06 FEB	1300	+11	65
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	0.50	29.83	23.95	8579.0	78.79	108.87
60	1.00	29.92	24.00	2413.0	77.62	31.08

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-B	55 47.0N	160 46.7W	06 FEB	1430	+11	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	1.00	28.95	23.22	23848.0	78.17	305.05
15	1.00	29.53	23.68	24544.0	77.84	315.27

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-C	55 50.7N	160 47.2W	06 FEB	1450	+11	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	1.00	29.10	23.34	12981.0	78.09	166.23

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-D	55 53.5N	160 47.7W	06 FEB	1515	+11	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	*	29.75	*	3025.0	*	*

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-E	55 56.0N	160 42.0W	06 FEB	1530	+11	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	1.50	29.84	23.90	2096.0	76.58	27.36

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-F	56 0.0N	160 38.5W	06 FEB	1545	+11	13
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	1.00	29.98	24.04	2908.0	77.59	37.47

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-G	56 0.0N	160 42.0W	06 FEB	1600	+11	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	0.50	30.15	24.20	787.0	78.61	10.01

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-H	55 59.2N	160 34.2W	06 FEB	1335	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	2.00	*	*	1821.0	*	*

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-I	55 54.8N	160 34.6W	06 FEB	1410	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	2.00	*	*	994.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-J	55 53.0N	160 23.0W	06 FEB	1440	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	2.00	*	*	2981.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-K	55 51.2N	160 17.5W	06 FEB	1615	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	2.50	*	*	9554.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SB-L	55 46.5N	160 18.0W	06 FEB	1630	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	2.00	*	*	7437.0	*	*

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
LP-1	56 0.5N	161 7.5W	06 FEB	1440	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	2.50	*	*	618.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
IL-1	55 24.5N	162 41.0W	09 FEB	1500	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	29.94	*	249.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
IL-2	55 22.0N	162 49.5W	09 FEB	1515	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	29.77	*	253.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
IL-3	55 10.5N	163 0.0W	09 FEB	1530	+11	1
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	23.10	*	5836.0	*	*

APPENDIX C

RP-4-DI-81A-II

11 May-04 Jun 1981

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA11	57 30.0N	159 23.7W	26 MAY	0040	+ 9	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.55	31.81	25.11	90.0	67.71	1.32
20	3.76	31.83	25.31	91.6	70.96	1.29
40	3.73	31.84	25.32	91.4	71.02	1.28
49	3.73	31.84	25.32	92.8	71.02	1.30

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA12	57 23.9N	159 14.4W	26 MAY	0210	+ 9	51
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.51	31.58	24.93	87.6	67.89	1.29
20	3.89	31.73	25.22	89.8	70.77	1.26
40	3.87	31.74	25.23	89.3	70.80	1.26
46	3.87	31.75	25.24	111.7	70.79	1.57

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA13	57 20.1N	159 7.1W	26 MAY	0315	+ 9	51
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.33	31.56	24.93	92.5	68.22	1.35
20	4.03	31.60	25.10	86.5	70.57	1.22
40	4.02	31.66	25.15	85.9	70.56	1.21
46	4.02	31.67	25.16	88.3	70.55	1.25

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LOCATION  
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INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA14	57 17.2N	159 1.8W	26 MAY	0425	+ 9	50
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.55	31.52	24.88	82.9	67.85	1.22
11	4.67	31.57	25.01	83.4	69.40	1.20
20	4.08	31.62	25.11	87.2	70.46	1.23
44	4.05	31.64	25.13	84.5	70.51	1.19

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA15	57 12.1N	158 55.5W	26 MAY	0545	+ 9	49
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.41	31.39	24.79	86.2	68.15	1.26
11	5.38	31.37	24.78	85.6	68.22	1.25
20	4.49	31.47	24.95	83.0	69.78	1.18
38	4.40	31.51	24.99	88.2	69.92	1.26

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA16	57 7.2N	158 46.9W	26 MAY	0650	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.17	31.25	24.71	93.7	68.65	1.36
11	5.16	31.24	24.70	90.9	68.67	1.32
21	5.16	31.24	24.70	89.5	68.67	1.30

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA18	57 2.3N	159 48.3W	26 MAY	1825	+ 9	59
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.30	31.69	24.92	79.3	66.48	1.19
21	4.08	31.83	25.28	102.4	70.36	1.45
40	4.04	31.83	25.28	106.0	70.43	1.50
56	4.03	31.85	25.30	110.4	70.44	1.56

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA19	56 56.3N	159 41.7W	26 MAY	1700	+ 9	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.47	31.46	24.72	101.9	66.29	1.53
21	4.74	31.53	24.97	116.6	69.29	1.68
31	4.65	31.55	25.00	105.7	69.44	1.52
49	4.47	31.62	25.07	104.4	69.74	1.49

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA20	56 51.4N	159 37.2W	26 MAY	1555	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.02	31.40	24.60	151.1	65.41	2.30
11	6.17	31.27	24.61	154.4	66.89	2.30
20	5.15	31.41	24.84	163.7	68.61	2.38
43	4.83	31.57	25.00	126.8	69.11	1.83



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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA21	56 48.2N	159 33.3W	26 MAY	1505	+ 9	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.90	31.34	24.70	157.0	67.32	2.33
11	5.74	31.25	24.64	156.3	67.64	2.31
20	5.54	31.34	24.74	156.5	67.95	2.30
33	5.32	31.39	24.80	157.1	68.31	2.29

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA22	56 43.2N	159 27.5W	26 MAY	1335	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.98	31.14	24.53	162.4	67.28	2.41
11	5.80	31.14	24.55	152.6	67.59	2.25
19	5.73	31.19	24.60	145.5	67.69	2.14

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA23	56 48.9N	160 28.6W	26 MAY	2310	+ 9	66
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.51	31.92	25.08	79.2	66.02	1.19
20	3.89	31.92	25.37	171.6	70.67	2.43
40	3.80	31.94	25.39	166.2	70.83	2.34
62	3.80	31.96	25.41	169.1	70.82	2.38

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA24	56 41.4N	160 18.8W	27 MAY	0105	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.59	31.58	24.80	83.5	66.04	1.26
20	4.31	31.75	25.19	98.2	69.97	1.40
40	4.18	31.78	25.23	111.1	70.20	1.58
56	4.08	31.83	25.28	127.4	70.36	1.81

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA25	56 37.3N	160 13.1W	27 MAY	0210	+ 9	49
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.67	31.24	24.52	111.6	66.06	1.68
11	4.97	31.59	25.00	89.5	68.84	1.29
20	4.68	31.67	25.09	88.3	69.33	1.27
46	4.46	31.73	25.16	93.5	69.70	1.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA26	56 32.5N	160 9.0W	27 MAY	0325	+ 9	34
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.63	31.09	24.41	173.5	66.19	2.62
11	5.49	31.26	24.68	156.3	68.07	2.29
28	4.87	31.58	25.00	114.2	69.03	1.65

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA27	56 29.3N	160 4.6W	27 MAY	0415	+ 9	24
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.42	31.07	24.42	393.4	66.56	5.91
11	6.23	31.08	24.45	299.8	66.88	4.48
19	6.18	31.11	24.48	277.6	66.95	4.14

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA29	56 35.3N	160 47.9W	28 MAY	1905	+ 9	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.05	31.74	24.87	74.3	65.21	1.13
20	4.50	31.75	25.17	77.4	69.62	1.11
40	4.20	31.81	25.25	86.3	70.15	1.23
65	4.06	31.88	25.32	87.6	70.37	1.24

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA30	56 30.1N	160 42.0W	28 MAY	1750	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.05	31.73	24.86	76.2	65.21	1.16
20	4.69	31.71	25.12	80.3	69.29	1.15
40	4.56	31.72	25.14	78.3	69.53	1.12
55	4.53	31.74	25.16	84.1	69.57	1.20

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA31	56 25.3N	160 37.6W	28 MAY	1640	+ 9	47
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.64	31.63	24.70	78.6	64.30	1.22
20	4.84	31.65	25.06	76.4	69.05	1.10
31	4.79	31.66	25.07	83.1	69.14	1.20
47	4.77	31.68	25.09	80.1	69.16	1.15

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA32	56 20.4N	160 32.7W	28 MAY	1540	+ 9	31
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.26	31.41	24.58	86.4	65.01	1.32
11	6.38	31.34	24.64	97.6	66.50	1.46
30	5.11	31.49	24.90	92.1	68.64	1.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA33	56 15.3N	160 28.0W	28 MAY	1430	+ 9	21
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.04	30.64	23.87	267.0	64.10	4.16
11	6.25	31.04	24.42	182.0	66.86	2.72
16	6.22	31.12	24.48	175.0	66.87	2.61

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA34	56 35.4N	161 17.8W	15 MAY	1750	+ 9	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	4.88	31.94	25.28	84.6	69.84	1.22
20	3.76	31.91	25.37	93.6	70.92	1.31
40	3.75	31.92	25.38	92.0	70.94	1.29
63	3.75	31.92	25.38	93.0	70.94	1.31

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA35	56 29.2N	161 11.9W	15 MAY	1635	+ 9	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.80	31.78	25.05	99.6	67.29	1.48
20	3.67	31.89	25.37	94.6	71.10	1.33
39	3.60	31.88	25.36	110.9	71.24	1.55
59	3.59	31.89	25.37	92.0	71.26	1.29
65	3.59	31.89	25.37	108.7	71.26	1.52

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA35A	56 29.2N	161 12.0W	28 MAY	2345	+ 9	69
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.94	31.67	24.83	73.7	65.42	1.12
20	4.24	31.72	25.18	83.7	70.12	1.19
40	4.04	31.81	25.27	89.8	70.44	1.27
65	4.04	31.82	25.27	88.6	70.44	1.25

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA36	56 22.8N	161 6.8W	15 MAY	1455	+ 9	59

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.83	31.67	24.96	91.3	67.29	1.35
20	4.40	31.75	25.18	102.1	69.80	1.46
40	3.72	31.79	25.28	94.2	71.06	1.32
54	3.67	31.80	25.29	99.0	71.15	1.39

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA36A	56 23.1N	161 5.7W	29 MAY	0100	+ 9	60

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.63	31.51	24.61	71.4	64.37	1.10
20	4.76	31.55	24.99	76.3	69.24	1.10
31	4.50	31.69	25.13	81.2	69.65	1.16
40	4.44	31.71	25.15	84.6	69.75	1.21
56	4.43	31.72	25.16	83.0	69.76	1.18

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA37	56 18.8N	161 2.3W	15 MAY	1330	+ 9	51

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.27	31.67	25.03	109.9	68.27	1.60
11	4.90	31.68	25.08	91.2	68.93	1.32
20	4.12	31.68	25.16	97.0	70.36	1.30
31	4.10	31.69	25.17	95.6	70.39	1.35
47	4.10	31.69	25.17	92.1	70.39	1.30

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA37A	56 19.1N	161 1.6W	29 MAY	0150	+ 9	53
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.97	31.64	24.66	71.0	63.78	1.11
11	5.70	31.08	24.51	82.2	67.79	1.21
20	4.86	31.65	25.06	82.5	69.01	1.19
31	4.85	31.64	25.05	82.4	69.04	1.19
48	4.84	31.65	25.06	82.2	69.05	1.19

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA38	56 12.9N	160 57.8W	15 MAY	1135	+ 9	38
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.11	31.44	24.86	133.2	68.66	1.93
12	5.05	31.42	24.85	132.2	68.78	1.92
21	4.92	31.35	24.81	132.7	69.05	1.92
30	4.46	31.44	24.93	114.3	69.85	1.63

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA38A	56 13.1N	160 55.4W	29 MAY	0310	+ 9	39
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.36	31.49	24.76	85.2	66.47	1.28
11	5.40	31.49	24.87	88.2	68.12	1.29
20	5.31	31.51	24.90	81.4	68.27	1.19
34	5.12	31.58	24.97	81.8	68.58	1.19

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA39	56 7.0N	160 50.0W	15 MAY	0845	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.28	31.29	24.73	192.8	68.43	2.81
6	5.51	31.19	24.62	180.3	68.07	2.64
12	5.23	31.25	24.70	147.2	68.54	2.14
16	5.09	31.28	24.74	156.7	68.78	2.27

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA39A	56 7.3N	160 49.6W	29 MAY	0410	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.81	31.09	24.39	139.0	65.89	2.10
6	6.49	31.13	24.46	137.0	66.41	2.06
11	6.18	31.19	24.54	120.0	66.91	1.79
19	5.92	31.24	24.61	108.0	67.33	1.60

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A1	56 6.5N	160 47.5W	25 MAY	0320	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.60	30.89	24.26	152.2	66.34	2.29
7	6.40	30.97	24.34	150.4	66.64	2.25
20	5.82	31.13	24.54	134.6	67.56	1.99



CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A2	56 6.5N	160 50.7W	25 MAY	0715	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.32	30.97	24.35	158.0	66.77	2.36
5	6.30	30.96	24.35	156.2	66.81	2.33
23	6.10	31.02	24.42	152.9	67.13	2.27

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A3	56 7.1N	160 49.7W	25 MAY	1350	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.62	30.90	24.26	162.6	66.30	2.45
5	6.68	30.86	24.22	167.4	66.22	2.52
20	5.81	31.18	24.58	134.5	67.55	1.99

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A4	56 7.0N	160 50.3W	27 MAY	1015	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.44	30.73	24.02	351.6	65.02	5.40
5	7.53	30.67	23.96	310.3	64.90	4.78
20	6.25	31.06	24.43	150.4	66.85	2.24

CRUISE NUMBER  
RP-4-DI-81A-IY

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A5	56 7.1N	160 49.9W	27 MAY	1500	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.53	30.61	23.92	419.0	64.93	6.45
5	7.09	30.78	24.11	371.0	65.57	5.65
19	5.71	31.25	24.65	118.0	67.69	1.74

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A6	56 7.0N	160 50.5W	27 MAY	1955	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.55	30.70	23.98	329.0	64.86	5.07
5	7.56	30.66	23.95	216.0	64.86	3.33
20	5.84	31.21	24.60	195.0	67.49	2.88

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A7	56 6.9N	160 49.8W	28 MAY	0130	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.30	30.49	23.71	395.0	63.76	6.19
5	8.32	30.46	23.69	394.0	63.74	6.18
22	5.78	31.24	24.63	127.0	67.58	1.87

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A8	56 7.0N	160 50.2W	28 MAY	0635	+ 9	27

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.59	30.91	24.14	136.0	64.70	2.10
5	7.56	30.94	24.17	162.0	64.73	2.50
24	5.98	31.16	24.54	122.0	67.27	1.81

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39A9	56 7.0N	160 50.5W	28 MAY	1050	+ 9	25

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.58	30.67	23.81	260.0	63.25	4.11
5	6.99	30.83	24.16	242.0	65.71	3.68
20	6.19	31.08	24.46	142.0	66.94	2.12

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39B1	56 7.8N	160 40.7W	25 MAY	0430	+ 9	26

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.99	30.75	24.10	188.4	65.75	2.86
5	6.99	30.75	24.10	185.6	65.75	2.82
24	6.01	31.08	24.48	146.5	67.25	2.17

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39B2	56 7.3N	160 39.6W	25 MAY	0930	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.13	30.69	24.03	210.0	65.55	3.20
5	7.14	30.71	24.05	202.1	65.52	3.08
17	6.71	30.91	24.26	197.1	66.14	2.97

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39B3	56 7.3N	160 40.1W	25 MAY	1540	+ 9	23
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.62	30.90	24.26	256.5	66.30	3.86
5	6.68	30.86	24.22	262.0	66.22	3.95
20	5.81	31.18	24.58	215.7	67.55	3.19

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39B4	56 7.5N	160 39.9W	27 MAY	1130	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	8.06	30.57	23.81	275.9	64.10	4.30
5	8.09	30.55	23.79	267.4	64.06	4.17
17	7.50	30.69	23.98	230.7	64.94	3.55

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N3985	56 7.7N	160 40.0W	27 MAY	1610	+ 9	24

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.55	30.72	23.86	208.0	63.27	3.28
5	8.48	30.67	23.83	201.0	63.40	3.17
17	7.45	30.72	24.01	184.0	65.01	2.83

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N3986	56 7.6N	160 40.3W	27 MAY	2250	+ 9	22

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.45	30.51	23.71	204.0	63.52	3.21
5	8.62	30.36	23.57	227.0	63.32	3.58
18	7.31	30.81	24.10	187.0	65.20	2.86

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N3987	56 7.6N	160 40.0W	28 MAY	0335	+ 9	26

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.34	30.56	23.76	302.0	63.67	4.74
5	8.35	30.57	23.77	286.0	63.65	4.49
22	6.56	30.95	24.31	192.0	66.38	2.89

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39B8	56 7.5N	160 40.2W	28 MAY	0800	+ 9	22

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.96	30.43	23.72	481.0	64.32	7.47
5	7.89	30.42	23.72	433.0	64.44	6.71
18	6.58	30.90	24.27	223.0	66.37	3.35

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39B9	56 7.7N	160 40.1W	28 MAY	1215	+ 9	22

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.71	30.53	23.69	209.0	63.11	3.31
7	8.55	30.56	23.73	192.0	63.34	3.03
16	7.03	30.90	24.21	183.0	65.62	2.78

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C1	56 8.2N	160 30.6W	25 MAY	0555	+ 9	20

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.08	30.81	24.13	165.2	65.57	2.51
5	7.07	30.80	24.13	170.3	65.60	2.59
17	6.28	30.98	24.37	198.0	66.84	2.96

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C2	56 8.4N	160 30.3W	25 MAY	1045	+ 9	22

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.35	30.79	24.08	178.0	65.14	2.73
5	7.33	30.79	24.08	186.9	65.17	2.86
18	6.33	30.96	24.34	229.6	66.76	3.43

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C3	56 8.4N	160 30.3W	25 MAY	1655	+ 9	18

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.94	30.28	23.60	343.9	64.42	5.33
5	7.31	30.67	23.99	196.5	65.26	3.01
13	6.27	30.98	24.37	217.6	66.85	3.25

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C4	56 8.5N	160 30.7W	27 MAY	1300	+ 9	17

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.62	30.76	24.15	318.0	66.36	4.79
5	6.66	30.78	24.16	335.0	66.29	5.05
11	6.39	30.97	24.35	256.0	66.65	3.84

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C5	56 8.3N	160 29.9W	27 MAY	1730	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.12	30.58	23.95	492.0	65.61	7.49
5	6.99	30.72	24.07	411.0	65.76	6.24
16	6.22	31.02	24.41	212.0	66.92	3.16

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C6	56 8.0N	160 31.1W	28 MAY	0010	+ 9	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.94	30.50	23.77	276.0	64.32	4.29
5	8.02	30.47	23.74	298.0	64.21	4.64
12	6.37	30.97	24.35	290.0	66.69	4.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C7	56 8.6N	160 29.9W	28 MAY	0500	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.51	30.40	23.75	342.0	65.06	5.25
6	7.27	30.56	23.91	327.0	65.37	5.00
16	6.31	30.96	24.35	234.0	66.79	3.50



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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C2	56 8.4N	160 30.3W	25 MAY	1045	+ 9	22

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.35	30.79	24.08	178.0	65.14	2.73
5	7.33	30.79	24.08	186.9	65.17	2.86
18	6.33	30.96	24.34	229.6	66.76	3.43

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C3	56 8.4N	160 30.3W	25 MAY	1655	+ 9	18

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.94	30.28	23.60	343.9	64.42	5.33
5	7.31	30.67	23.99	196.5	65.26	3.01
13	6.27	30.98	24.37	217.6	66.85	3.25

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C4	56 8.5N	160 30.7W	27 MAY	1300	+ 9	17

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.62	30.76	24.15	318.0	66.36	4.79
5	6.66	30.78	24.16	335.0	66.29	5.05
11	6.39	30.97	24.35	256.0	66.65	3.84

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C5	56 8.3N	160 29.9W	27 MAY	1730	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.12	30.58	23.95	492.0	65.61	7.49
5	6.99	30.72	24.07	411.0	65.76	6.24
16	6.22	31.02	24.41	212.0	66.92	3.16

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C6	56 8.0N	160 31.1W	28 MAY	0010	+ 9	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.94	30.50	23.77	276.0	64.32	4.29
5	8.02	30.47	23.74	298.0	64.21	4.64
12	6.37	30.97	24.35	290.0	66.69	4.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C7	56 8.6N	160 29.9W	28 MAY	0500	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.51	30.40	23.75	342.0	65.06	5.25
6	7.27	30.56	23.91	327.0	65.37	5.00
16	6.31	30.96	24.35	234.0	66.79	3.50

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C8	56 8.2N	160 30.0W	28 MAY	0920	+ 9	17
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.72	30.32	23.66	389.0	64.75	6.00
5	7.65	30.40	23.73	311.0	64.83	4.79
14	6.70	30.93	24.28	228.0	66.15	3.44

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
N39C9	56 8.2N	160 30.4W	28 MAY	1315	+ 9	16
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.88	30.48	23.77	337.0	64.43	5.23
5	7.87	30.48	23.77	317.0	64.44	4.91
11	7.09	30.84	24.15	332.0	65.54	5.06

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA40	56 1.9N	160 44.4W	15 MAY	0700	+ 9	16
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.94	30.77	24.24	613.4	67.52	9.08
7	5.93	30.78	24.25	590.2	67.53	8.73
13	5.92	30.78	24.25	612.4	67.55	9.06

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA40A	56 2.8N	160 44.3W	29 MAY	0510	+ 9	20

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.88	30.56	23.83	386.0	64.39	5.99
5	7.77	30.54	23.83	373.0	64.57	5.77
16	7.32	30.66	23.98	385.0	65.25	5.90

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA41	56 28.8N	161 42.8W	14 MAY	1645	+ 9	86

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.96	31.79	25.04	77.0	67.01	1.14
22	4.78	31.72	25.12	84.4	69.12	1.22
42	3.07	31.97	25.48	67.8	72.22	0.93
62	3.07	31.98	25.49	71.8	72.22	0.99
82	3.07	31.97	25.48	66.8	72.22	0.92

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA41A	56 28.3N	161 42.8W	24 MAY	1920	+ 9	86

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.42	31.93	25.22	79.5	67.88	1.17
20	4.60	31.90	25.28	86.2	69.36	1.24
40	3.81	31.89	25.35	86.9	70.84	1.22
82	3.49	31.95	25.43	98.5	71.42	1.37

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA42	56 22.1N	161 35.0W	14 MAY	2020	+ 9	68
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.01	31.70	24.97	101.1	66.96	1.50
21	3.58	31.80	25.30	109.0	71.32	1.52
40	3.42	31.87	25.37	132.4	71.59	1.84
61	3.40	31.89	25.39	110.8	71.62	1.54
64	3.40	31.88	25.38	114.7	71.63	1.60

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA42A	56 21.8N	161 35.8W	24 MAY	2140	+ 9	66
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.50	31.64	24.98	79.7	67.88	1.17
31	4.66	31.60	25.04	78.1	69.40	1.12
51	3.94	31.81	25.28	84.7	70.63	1.19
63	3.96	31.81	25.27	89.7	70.60	1.27

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43	56 16.0N	161 28.4W	14 MAY	2155	+ 9	61
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.56	31.64	24.97	108.0	67.77	1.59
12	5.31	31.59	24.96	100.8	68.24	1.47
32	4.00	31.71	25.19	93.1	70.57	1.31
42	3.69	31.76	25.26	114.9	71.13	1.61
54	3.65	31.77	25.27	107.3	71.20	1.50

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43A	56 16.1N	161 29.0W	24 MAY	2250	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.53	31.46	24.83	81.7	67.91	1.20
20	5.13	31.33	24.77	78.2	68.68	1.13
40	4.71	31.56	25.00	82.9	69.33	1.19
56	4.43	31.61	25.07	76.4	69.82	1.09

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA43B	56 16.2N	161 28.0W	30 MAY	0625	+ 9	62
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.66	31.54	24.63	80.9	64.31	1.25
31	4.62	31.66	25.09	90.5	69.44	1.30
57	4.48	31.69	25.13	77.7	69.69	1.11

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44	56 9.7N	161 24.1W	15 MAY	0105	+ 9	44
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.03	31.55	24.96	110.0	68.76	1.59
12	4.99	31.53	24.95	149.4	68.84	2.17
31	4.27	31.59	25.07	107.2	70.12	1.52
39	4.26	31.59	25.07	98.4	70.14	1.40

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44A	56 9.9N	161 23.4W	25 MAY	0000	+ 9	44
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.97	31.43	24.76	82.0	67.16	1.22
20	5.03	31.53	24.94	85.6	68.76	1.24
31	5.00	31.53	24.95	87.0	68.82	1.26
38	5.00	31.54	24.95	89.2	68.81	1.29

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA44B	56 10.2N	161 24.0W	30 MAY	0525	+ 9	49
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.41	31.45	24.59	76.6	64.75	1.18
20	5.29	31.52	24.91	76.2	68.31	1.11
44	4.98	31.58	24.99	76.1	68.83	1.10

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45	56 4.9N	161 19.9W	15 MAY	0235	+ 9	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	4.92	31.42	24.87	117.0	69.02	1.69
22	4.66	31.43	24.90	124.9	69.48	1.79
29	4.62	31.43	24.91	130.8	69.56	2.16

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45A	56 5.0N	161 18.9W	25 MAY	0055	+ 9	37
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.50	31.47	24.84	87.8	67.96	1.29
11	5.49	31.45	24.83	87.9	67.99	1.29
20	5.29	31.50	24.89	88.4	68.31	1.29
30	5.23	31.50	24.90	87.4	68.42	1.27

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA45B	56 5.3N	161 19.8W	30 MAY	0430	+ 9	39
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.20	31.51	24.79	89.6	66.73	1.34
11	5.77	31.47	24.81	78.8	67.49	1.16
36	5.67	31.48	24.83	83.7	67.66	1.23

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46	56 2.1N	161 15.5W	15 MAY	0355	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	*	*	*	156.5	*	*
12	*	*	*	158.2	*	*
16	*	*	*	158.0	*	*



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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46A	56 2.3N	161 16.6W	25 MAY	0140	+ 9	30
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.53	31.41	24.79	97.4	67.93	1.43
11	5.51	31.42	24.80	101.6	67.96	1.49
22	5.49	31.43	24.81	100.7	67.99	1.48

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA46B	56 2.4N	161 15.0W	30 MAY	0335	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.83	31.35	24.59	245.0	65.74	3.72
5	6.70	31.39	24.64	169.0	65.94	2.56
20	5.94	31.42	24.75	106.0	67.22	1.57

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA49	55 57.9N	162 10.9W	29 MAY	2035	+ 9	62
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.94	31.37	24.59	81.1	65.55	1.23
20	5.48	31.47	24.85	87.3	67.99	1.28
40	4.97	31.61	25.01	77.7	68.83	1.12
58	4.89	31.64	25.05	97.1	68.96	1.40

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA51	55 52.2N	162 5.4W	29 MAY	1845	+ 9	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.34	31.36	24.66	80.6	66.56	1.21
11	6.10	31.38	24.70	81.1	66.96	1.21
29	5.98	31.41	24.74	81.1	67.15	1.20

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA52	55 49.1N	162 1.8W	29 MAY	1750	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.68	31.17	24.47	95.6	66.07	1.44
5	6.68	31.16	24.46	89.9	66.08	1.36
17	6.67	31.17	24.47	88.1	66.09	1.33

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA53	55 47.0N	163 17.4W	31 MAY	0030	+ 9	87
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	7.63	31.78	24.82	70.4	64.25	1.09
31	4.93	31.73	25.11	79.6	68.85	1.15
51	3.59	31.65	25.34	80.0	71.28	1.12
60	3.59	31.85	25.34	80.2	71.28	1.12
83	3.59	31.86	25.35	83.7	71.27	1.17

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA55	55 36.1N	163 4.6W	31 MAY	0305	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.42	31.53	24.65	74.3	64.70	1.14
31	4.16	31.72	25.18	78.4	70.26	1.11
54	3.99	31.77	25.24	75.8	70.56	1.07

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA56	55 31.1N	162 58.8W	31 MAY	0415	+ 9	48
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.88	31.42	24.64	89.6	65.63	1.36
31	4.96	31.66	25.05	77.4	68.83	1.12
45	4.92	31.66	25.06	77.8	68.90	1.12

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA57	55 28.4N	162 54.8W	31 MAY	0525	+ 9	40
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.60	31.34	24.61	95.2	66.13	1.43
10	6.53	31.24	24.54	90.0	66.29	1.35
20	5.43	31.48	24.86	83.9	68.08	1.23
38	5.32	31.51	24.90	83.4	68.26	1.22

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA58	55 24.5N	162 50.6W	31 MAY	0625	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.29	31.28	24.47	108.0	65.02	1.66
11	7.29	31.28	24.47	107.0	65.02	1.64
13	7.29	31.29	24.48	105.0	65.02	1.61

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA59	55 37.1N	164 0.8W	31 MAY	1635	+ 9	95
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.25	31.73	24.83	76.0	64.89	1.17
31	5.54	31.80	25.10	93.5	67.73	1.38
51	4.53	31.88	25.27	114.0	69.50	1.64
71	3.47	31.90	25.39	115.0	71.48	1.60
95	3.45	31.91	25.40	116.0	71.52	1.62

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA62	55 18.2N	163 41.4W	31 MAY	1215	+ 9	46
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.15	31.56	24.71	76.2	65.12	1.17
20	5.61	31.72	25.03	94.5	67.65	1.39
31	4.96	31.75	25.13	101.0	68.78	1.46
53	4.84	31.77	25.15	94.3	68.99	1.36

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA64	55 10.9N	163 32.3W	31 MAY	1010	+ 9	42
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.19	31.38	24.56	90.6	65.14	1.39
11	7.02	31.27	24.50	93.4	65.47	1.42
20	5.42	31.48	24.86	105.0	68.09	1.54
37	4.79	31.58	25.01	93.1	69.17	1.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA65	55 7.1N	163 29.2W	31 MAY	0915	+ 9	24
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.74	31.26	24.53	131.0	65.93	1.98
11	5.68	31.42	24.78	114.0	67.67	1.68

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA66	55 24.9N	164 57.6W	01 JUN	0440	+ 9	109
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.89	31.39	24.61	81.0	65.63	1.23
31	5.26	31.91	25.22	154.0	68.17	2.25
51	4.86	32.08	25.40	168.0	68.81	2.44
71	4.10	32.37	25.71	156.0	70.06	2.22
91	4.01	32.65	25.94	188.0	70.09	2.68
105	4.00	32.66	25.94	191.0	70.10	2.72

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA68	55 15.1N	164 48.9W	01 JUN	0145	+ 9	108
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.39	31.81	24.88	95.4	64.62	1.47
31	5.29	31.84	25.16	99.4	68.15	1.45
51	4.87	32.01	25.34	164.0	68.82	2.38
80	4.31	32.44	25.74	163.0	69.63	2.34
105	4.06	32.68	25.95	182.0	69.98	2.60

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA70	55 4.9N	164 37.3W	31 MAY	2245	+ 9	75
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.37	31.74	24.82	108.0	64.69	1.66
20	5.76	31.68	24.98	178.0	67.41	2.64
51	5.16	31.98	25.28	157.0	68.32	2.29
72	5.16	32.00	25.30	160.0	68.31	2.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA71	55 0.9N	164 31.1W	31 MAY	2140	+ 9	58
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.12	31.58	24.73	128.0	65.16	1.96
20	5.49	31.82	25.12	166.0	67.81	2.44
31	5.46	31.85	25.15	166.0	67.85	2.44
55	5.39	31.87	25.17	166.0	67.96	2.44

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
NA72	54 57.1N	164 27.1W	31 MAY	2035	+ 9	35
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.91	31.66	24.95	140.0	67.16	2.08
6	5.91	31.65	24.94	152.0	67.16	2.26
31	5.85	31.67	24.96	112.0	67.25	1.66

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
27139	56 28.2N	160 9.3W	27 MAY	0500	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	230.5	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
27239	56 25.4N	160 19.0W	27 MAY	0530	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	195.2	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
27339	56 21.3N	160 25.4W	27 MAY	0600	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	103.8	*	*

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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
27439	56 16.2N	160 31.2W	27 MAY	0630	+ 9	25

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	132.9	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
27539	56 10.5N	160 37.3W	27 MAY	0700	+ 9	25

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	200.2	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
27639	56 4.4N	160 38.5W	27 MAY	0730	+ 9	25

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	406.9	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
46139	56 3.4N	161 10.4W	25 MAY	0210	+ 9	28

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	108.9	*	*



CRUISE NUMBER  
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LOCATION  
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STATION LATITUDE LONGITUDE DATE TIME GMT BOTTOM DEPTH  
46239 56 5.1N 161 3.2W 25 MAY 0230 + 9 28

DEPTH TEMPERATURE SALINITY SIGMA-T METHANE SOLUBILITY C/C\*  
-----  
3 \* \* \* 196.1 \* \*

STATION LATITUDE LONGITUDE DATE TIME GMT BOTTOM DEPTH  
46339 56 6.0N 160 55.2W 25 MAY 0250 + 9 28

DEPTH TEMPERATURE SALINITY SIGMA-T METHANE SOLUBILITY C/C\*  
-----  
3 \* \* \* 177.6 \* \*

STATION LATITUDE LONGITUDE DATE TIME GMT BOTTOM DEPTH  
46439 56 6.5N 160 48.2W 25 MAY 0310 + 9 28

DEPTH TEMPERATURE SALINITY SIGMA-T METHANE SOLUBILITY C/C\*  
-----  
3 \* \* \* 143.7 \* \*

STATION LATITUDE LONGITUDE DATE TIME GMT BOTTOM DEPTH  
39AB1 56 7.3N 160 45.0W 25 MAY 0345 + 9 25

DEPTH TEMPERATURE SALINITY SIGMA-T METHANE SOLUBILITY C/C\*  
-----  
3 \* \* \* 150.1 \* \*

CRUISE NUMBER  
RP-4-DI-PIA-II

LOCATION  
SOUTHEAST BERING SEA

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39AB2	56 7.3N	160 45.0W	25 MAY	0650	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

3 \* \* \* 149.0 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39AB3	56 7.3N	160 45.0W	25 MAY	1430	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

3 \* \* \* 880.0 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39AB4	56 7.3N	160 45.0W	27 MAY	1055	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

3 \* \* \* 547.2 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39AB5	56 7.3N	160 45.0W	27 MAY	1536	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

3 \* \* \* 501.0 \* \*

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LOCATION  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39AB6	56 7.3N	160 45.0W	27 MAY	1931	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	470.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39AB7	56 7.3N	160 45.0W	28 MAY	0240	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	505.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39AB8	56 7.3N	160 45.0W	28 MAY	0720	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	162.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39AB9	56 7.3N	160 45.0W	28 MAY	1140	+ 9	25
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	428.0	*	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
398C1	56 7.7N	160 35.0W	25 MAY	0515	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	214.6	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
398C2	56 7.7N	160 35.0W	25 MAY	0625	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	217.1	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
398C3	56 7.7N	160 35.0W	25 MAY	1000	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	265.9	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
398C4	56 7.7N	160 35.0W	25 MAY	1620	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	173.7	*	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39BC5	56 7.7N	160 35.0W	27 MAY	1215	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	180.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39BC6	56 7.7N	160 35.0W	27 MAY	1405	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	184.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39BC7	56 7.7N	160 35.0W	27 MAY	1645	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	169.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39BC8	56 7.7N	160 35.0W	28 MAY	0000	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	205.0	*	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39BC9	56 7.7N	160 35.0W	28 MAY	0415	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

3 \* \* \* 157.0 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39BCX	56 7.7N	160 35.0W	28 MAY	0845	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

3 \* \* \* 164.0 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
39BCY	56 7.7N	160 35.0W	28 MAY	1245	+ 9	22
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

3 \* \* \* 161.0 \* \*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
46140	56 2.3N	161 8.5W	15 MAY	0520	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

3 \* \* \* 184.4 \* \*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
46240	56 2.9N	161 1.1W	15 MAY	0540	+ 9	16
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	264.7	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
46340	56 3.4N	160 53.8W	15 MAY	0600	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	282.7	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
46440	56 2.8N	160 46.5W	15 MAY	0620	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	334.3	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
58165	55 20.2N	163 2.3W	31 MAY	0726	+ 9	21
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	97.0	*	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
58265	55 15.6N	163 12.2W	31 MAY	0800	+ 9	21
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	105.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
58365	55 11.2N	163 22.2W	31 MAY	0830	+ 9	21
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	159.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
58465	55 7.0N	163 29.1W	31 MAY	0900	+ 9	21
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	121.0	*	*



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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-A	55 44.0N	160 41.5W	27 MAY	1810	+ 9	75
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	8.81	29.16	22.60	1866.0	63.54	29.36
20	6.94	30.31	23.76	87.7	66.03	1.32
30	5.04	30.62	24.22	97.8	69.18	1.41
40	3.83	30.72	24.42	85.7	71.39	1.20
50	1.44	30.86	24.72	91.5	76.15	1.20
70	1.08	30.93	24.79	316.0	76.89	4.10

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-B	55 46.8N	160 47.0W	27 MAY	1155	+ 9	30
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	8.18	29.72	23.13	6366.0	64.28	99.02
20	6.20	30.45	23.96	594.0	67.22	8.83

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-C	55 50.7N	160 47.4W	27 MAY	1755	+ 9	26
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	8.61	30.04	23.32	3731.0	63.47	58.77
10	8.24	30.08	23.40	3234.0	64.03	50.50

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-F1	56 0.0N	160 38.7W	27 MAY	0840	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	31.45	*	1928.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-F2	56 0.0N	160 38.7W	27 MAY	1930	+ 9	15
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	31.33	*	2384.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-H1	55 59.2N	160 34.3W	27 MAY	0930	+ 9	4
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	1681.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-H2	55 59.2N	160 34.3W	27 MAY	1835	+ 9	4
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	31.42	*	1373.0	*	*

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LOCATION  
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-I1	55 54.5N	160 34.5W	27 MAY	1000	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	*	30.30	*	4244.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-I2	55 54.5N	160 34.5W	27 MAY	1645	+ 9	27
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	*	30.66	*	3178.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-N1	55 52.5N	160 23.0W	27 MAY	1045	+ 9	4
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	29.20	*	4849.0	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-N2	55 52.5N	160 23.0W	27 MAY	1605	+ 9	4
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	*	29.60	*	4876.0	*	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-R	55 50.7N	160 17.0W	27 MAY	1135	+ 9	3
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

2	*	27.87	*	6708.0	*	*
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-S	55 49.5N	160 19.7W	27 MAY	1310	+ 9	6
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

5	*	28.50	*	5578.0	*	*
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PM-U	55 47.0N	160 17.5W	27 MAY	1330	+ 9	2
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1	*	25.90	*	18030.0	*	*
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
HR-D	55 53.5N	160 47.7W	27 MAY	1040	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

1	8.84	29.29	22.70	2135.0	63.44	33.65
10	8.58	29.78	23.12	1503.0	63.63	23.61

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
HB-E	55 56.0N	160 42.0W	27 MAY	1000	+ 9	9

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	9.07	29.76	23.03	1471.0	62.89	23.38
5	8.80	29.77	23.08	1536.0	63.29	24.26

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
HB-G	56 0.0N	160 42.0W	27 MAY	0905	+ 9	15

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	8.05	30.31	23.61	1050.0	64.23	16.34

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
HB-J	55 46.0N	160 45.5W	27 MAY	1300	+ 9	50

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	8.77	28.33	21.96	3818.0	63.96	59.68
13	7.93	28.76	22.41	1517.0	65.11	23.29
20	7.26	28.92	22.63	296.0	66.13	4.47
30	5.61	29.22	23.06	123.0	68.83	1.78
40	5.04	29.29	23.17	243.0	69.83	3.47

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
HB-K	55 45.1N	160 42.8W	27 MAY	1430	+ 9	91
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	9.04	28.10	21.74	2107.0	63.64	33.10
20	6.81	29.02	22.76	63.5	66.84	0.94
40	3.73	29.41	23.39	147.0	72.24	2.03
60	1.39	29.57	23.69	122.0	76.97	1.58
70	1.08	29.61	23.74	125.0	77.62	1.61
80	1.01	29.61	23.74	218.0	77.78	2.80

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
HB-L	55 42.8N	160 41.2W	27 MAY	1615	+ 9	60
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	9.21	26.83	20.73	429.0	63.93	6.71
20	7.10	29.01	22.72	71.6	66.35	1.07
30	5.83	29.26	23.07	51.2	68.42	0.74
40	2.82	29.53	23.56	45.9	73.99	0.62
50	1.87	29.57	23.66	43.8	75.94	0.57

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH-1	57 0.0N	158 48.1W	26 MAY	0855	+ 9	20
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.81	30.83	24.30	127.6	67.72	1.88

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH-2	56 54.9N	158 50.3W	26 MAY	1015	+ 9	5
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	*	32.28	*	164.7	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH-3	56 56.3N	158 47.4W	26 MAY	095*	+ 9	5
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	*	31.79	*	200.4	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH-4	56 57.3N	158 44.1W	26 MAY	0920	+ 9	6
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	*	31.38	*	512.8	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH-5	56 59.0N	156 42.4W	26 MAY	0845	+ 9	8
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	*	31.55	*	423.5	*	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH122	56 54.2N	158 56.2W	26 MAY	1120	+ 9	10
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	120.6	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH222	56 52.5N	159 6.2W	26 MAY	1150	+ 9	12
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	111.4	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH322	56 51.0N	159 17.0W	26 MAY	1220	+ 9	14
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	99.2	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH422	56 49.2N	159 28.5W	26 MAY	1250	+ 9	16
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	124.4	*	*



CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PH522	56 43.1N	159 27.6W	26 MAY	1320	+ 9	18
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

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3	*	*	*	140.9	*	*
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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL2	55 1.6N	167 38.2W	17 MAY	1055	+ 9	373
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

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2	5.88	32.53	25.64	102.8	66.80	1.53
9	5.89	32.52	25.63	96.5	66.79	1.44
49	4.30	32.91	26.11	113.8	69.42	1.63
79	4.13	33.07	26.26	76.5	69.66	1.09
99	3.94	33.07	26.28	111.3	70.01	1.58
150	3.80	33.23	26.42	110.0	70.19	1.56
197	3.55	33.34	26.53	134.6	70.61	1.90

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL4	55 19.1N	167 6.8W	17 MAY	1550	+ 9	141
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*

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3	5.68	31.82	25.10	126.5	67.48	1.87
10	5.66	31.83	25.11	121.6	67.51	1.80
19	5.59	31.81	25.10	108.9	67.64	1.60
40	4.12	32.01	25.42	182.0	70.20	2.59
60	4.25	32.27	25.61	180.4	69.83	2.58
80	4.29	32.54	25.82	189.3	69.62	2.71
100	4.34	32.79	26.01	150.1	69.41	2.16
138	3.85	33.12	26.32	274.4	70.15	3.91

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CRUISE NUMRER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL4A	55 19.5N	167 7.2W	23 MAY	1415	+ 9	141
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.38	31.86	25.17	96.8	67.98	1.42
31	5.14	31.95	25.26	102.1	68.37	1.49
71	4.19	32.54	25.83	167.9	69.81	2.40
80	4.09	32.69	25.96	169.1	69.92	2.41
101	3.88	33.02	26.24	191.4	70.15	2.72
120	3.83	33.13	26.33	271.9	70.18	3.87
129	3.83	33.14	26.34	167.7	70.18	2.98

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL5	55 29.3N	166 51.6W	23 MAY	1620	+ 9	135
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.58	31.88	25.16	101.7	67.62	1.50
31	5.46	31.88	25.17	88.4	67.82	1.30
51	4.88	32.45	25.69	171.3	68.59	2.49
60	4.96	32.49	25.71	120.6	68.43	1.76
71	4.41	32.46	25.74	120.5	69.44	1.73
80	4.10	32.57	25.86	176.7	69.96	2.52
131	3.83	33.12	26.33	192.5	70.19	2.74

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL6	55 37.8N	166 37.0W	17 MAY	2105	+ 9	132

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.02	31.82	25.06	132.9	66.89	1.98
11	6.02	31.82	25.06	133.1	66.89	1.98
20	5.46	31.79	25.10	141.9	67.88	2.09
31	4.17	31.90	25.33	133.7	70.16	1.90
40	4.28	32.06	25.44	196.6	69.87	2.81
66	4.39	32.45	25.74	277.6	69.48	3.99
85	4.14	32.57	25.86	378.2	69.88	5.41
128	3.90	32.98	26.21	352.8	70.13	5.03
131	3.90	32.98	26.21	307.2	70.13	4.38

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL6A	55 38.8N	166 37.1W	23 MAY	1915	+ 9	132

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.79	31.98	25.21	95.2	67.21	1.41
32	5.49	31.98	25.25	104.5	67.73	1.54
51	4.19	31.97	25.38	182.6	70.09	2.60
60	3.69	32.35	25.73	200.0	70.84	2.82
80	4.02	32.58	25.88	276.9	70.10	3.94
100	4.13	32.78	26.03	440.6	69.80	6.31
127	3.89	33.03	26.25	270.6	70.12	3.85

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL7	55 47.5N	166 21.8W	23 MAY	2125	+ 9	128
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.69	31.86	25.13	96.7	67.44	1.43
31	5.36	31.85	25.16	96.7	68.02	1.42
51	4.26	32.23	25.58	178.2	69.83	2.55
71	3.89	32.43	25.77	296.2	70.42	4.20
80	3.85	32.54	25.86	337.5	70.44	4.79
100	3.96	32.70	25.98	450.1	70.15	6.41
123	3.92	32.96	26.19	518.7	70.10	7.39

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL8	55 56.9N	166 6.6W	18 MAY	0135	+ 9	119
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	6.05	31.73	25.02	121.8	66.86	1.82
12	6.00	31.77	25.02	111.6	66.95	1.66
20	5.14	31.75	25.11	125.4	68.46	1.83
31	4.08	31.81	25.26	109.3	70.37	1.55
40	3.79	31.78	25.27	127.1	70.93	1.79
61	3.96	32.10	25.50	131.3	70.45	1.86
81	3.88	32.32	25.69	222.3	70.49	3.15
117	3.90	32.64	25.94	353.4	70.30	5.02
118	3.90	32.64	25.94	404.6	70.30	5.75

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PLRA	55 57.6N	166 6.4W	23 MAY	2335	+ 9	120
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.71	31.89	25.15	96.0	67.39	1.42
31	5.37	32.13	25.38	133.2	67.87	1.96
51	4.79	32.16	25.47	177.1	68.89	2.57
72	3.96	32.35	25.70	219.8	70.33	3.12
80	3.83	32.46	25.80	384.6	70.52	5.45
100	3.89	32.66	25.96	548.7	70.30	7.80
116	3.95	32.79	26.05	329.6	70.13	4.69

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL88	55 57.2N	166 8.1W	01 JUN	1215	+ 9	119
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.29	31.87	24.94	81.3	64.76	1.25
31	5.06	31.87	25.21	102.0	68.55	1.48
60	4.28	32.34	25.66	166.0	69.74	2.38
80	4.13	32.57	25.86	304.0	69.90	4.34
91	4.14	32.74	25.99	465.0	69.80	6.66
100	3.98	32.84	26.09	664.0	70.05	9.47
115	3.98	32.84	26.09	683.5	70.05	9.75

CRUISE NUMBER  
RP-4-DI-81A-II

LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL9	56 5.8N	165 51.3W	24 MAY	0110	+ 9	105
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.69	31.85	25.12	90.4	67.45	1.34
31	5.43	31.91	25.20	104.7	67.87	1.54
40	5.34	31.92	25.22	109.4	68.03	1.60
51	4.39	32.02	25.40	188.9	69.69	2.71
61	4.33	32.11	25.48	199.4	69.76	2.85
80	3.85	32.43	25.78	291.0	70.49	4.12
102	3.85	32.48	25.82	292.1	70.47	4.14

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL10	56 15.1N	165 37.6W	18 MAY	0555	+ 9	93
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.63	31.89	25.16	94.6	67.53	1.40
10	5.65	31.89	25.16	105.0	67.50	1.55
20	5.60	31.88	25.16	108.4	67.59	1.60
31	3.70	31.93	25.39	103.1	71.03	1.45
40	3.35	32.05	25.52	136.5	71.64	1.90
60	3.35	32.09	25.55	195.8	71.62	2.73
86	3.40	32.13	25.58	225.3	71.50	3.15
92	3.42	32.13	25.58	222.0	71.46	3.10

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL10A	56 15.1N	165 37.2W	24 MAY	0315	+ 9	93
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.36	31.83	25.14	80.0	68.03	1.17
31	4.81	31.87	25.24	79.0	69.00	1.14
51	3.51	31.96	25.44	113.8	71.38	1.59
61	3.50	32.13	25.57	171.7	71.31	2.40
71	3.55	32.18	25.61	236.5	71.19	3.32
80	3.58	32.19	25.61	253.1	71.13	3.55
88	3.59	32.20	25.62	243.9	71.10	3.43

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL11	56 24.7N	165 22.1W	18 MAY	0755	+ 9	86
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	5.69	31.87	25.14	95.8	67.44	1.42
33	3.14	32.00	25.50	126.3	72.07	1.75
53	3.13	32.01	25.51	132.6	72.09	1.83
82	3.13	32.01	25.51	142.4	72.09	1.97

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL12	56 32.8N	165 6.4W	18 MAY	0945	+ 9	79
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	5.51	31.94	25.21	102.2	67.72	1.50
13	5.50	31.94	25.21	95.5	67.74	1.40
33	3.13	31.98	25.49	110.0	72.10	1.52
54	3.12	32.00	25.50	106.5	72.11	1.47
74	3.12	32.00	25.50	109.2	72.11	1.51
78	3.12	32.00	25.50	109.8	72.11	1.52

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL12A	56 33.1N	165 7.1W	24 MAY	0645	+ 9	79

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	4.84	31.93	25.28	77.5	68.91	1.12
20	4.33	31.95	25.35	81.1	69.84	1.16
40	4.24	31.94	25.35	87.5	70.01	1.24
51	3.07	31.99	25.50	90.6	72.21	1.25
60	3.07	31.99	25.50	88.9	72.21	1.23
75	3.06	31.99	25.50	89.8	72.23	1.24

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL14	56 50.6N	164 37.0W	18 MAY	1405	+ 9	73

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.76	31.96	25.31	40.6	69.04	0.58
12	4.73	31.96	25.32	43.0	69.10	0.62
31	2.93	32.01	25.53	47.9	72.48	0.66
42	2.92	32.00	25.52	45.0	72.50	0.62
60	2.91	32.01	25.53	47.0	72.52	0.64
66	2.91	32.00	25.52	45.4	72.52	0.62
73	2.91	32.01	25.53	52.7	72.52	0.72

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
PL14A	56 50.5N	164 36.9W	24 MAY	1000	+ 9	73

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.92	31.92	25.26	78.5	68.78	1.14
20	4.44	31.91	25.31	76.5	69.65	1.09
40	4.25	31.93	25.34	79.2	69.99	1.13
55	3.26	31.98	25.47	80.6	71.85	1.12
71	3.26	31.98	25.47	83.8	71.85	1.16



CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP3	55 55.6N	168 11.5W	21 MAY	0310	+ 9	143
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	4.98	32.51	25.72	71.1	68.38	1.03
33	4.87	32.55	25.77	81.4	68.56	1.18
47	4.53	32.68	25.91	90.3	69.11	1.30
75	4.18	32.93	26.14	88.8	69.63	1.27
96	3.92	33.00	26.22	85.8	70.09	1.22
121	3.60	33.18	26.40	83.4	70.59	1.18
139	3.56	33.22	26.43	86.0	70.65	1.21
142	3.56	33.22	26.43	75.2	70.65	1.06

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
UP7	54 50.5N	167 1.7W	17 MAY	0710	+ 9	294
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
10	5.89	32.59	25.67	98.2	66.76	1.47
51	4.05	32.95	26.17	108.2	69.86	1.54
80	4.04	33.11	26.30	105.4	69.80	1.50
100	4.01	33.17	26.35	105.0	69.83	1.50
150	3.62	33.26	26.46	101.9	70.51	1.44
200	3.68	33.44	26.60	103.9	70.31	1.47
291	3.80	33.61	26.72	98.3	70.00	1.40

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG2	57 6.2N	168 5.6W	22 MAY	0350	+ 9	79
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.47	32.05	25.41	78.1	69.53	1.12
31	4.42	32.05	25.42	75.9	69.62	1.09
51	3.50	32.26	25.67	740.1	71.24	10.38
60	3.67	32.39	25.76	577.2	70.85	8.14
73	3.71	32.41	25.77	507.7	70.77	7.17

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG3	56 28.3N	167 59.8W	22 MAY	2030	+ 9	125
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.25	31.91	25.22	80.6	68.19	1.18
31	4.31	31.83	25.26	106.8	69.93	1.52
51	4.13	32.18	25.55	103.5	70.09	1.47
80	4.20	32.61	25.89	655.2	69.75	9.39
100	4.22	32.65	25.92	732.2	69.70	10.50
111	4.22	32.66	25.92	714.4	69.69	10.25
121	4.22	32.66	25.92	753.3	69.69	10.80

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG5	56 5.3N	166 41.3W	20 MAY	1140	+ 9	122
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	5.21	31.81	25.15	87.0	68.31	1.27
32	5.21	31.81	25.15	86.2	68.31	1.26
52	3.79	32.01	25.45	156.6	70.82	2.21
80	3.96	32.62	25.92	553.9	70.19	7.89
109	4.08	32.61	25.90	1040.0	69.97	14.86
114	4.07	32.61	25.90	1024.0	69.99	14.62
121	4.07	32.61	25.90	651.7	69.99	9.31

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG5A	56 4.8N	166 40.2W	23 MAY	0645	+ 9	126
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.51	31.81	25.11	80.4	67.78	1.18
31	5.13	31.82	25.16	81.1	68.45	1.18
51	3.93	32.12	25.52	159.2	70.50	2.25
60	3.94	32.13	25.53	184.5	70.47	2.61
80	3.83	32.48	25.82	305.1	70.51	4.32
100	3.91	32.58	25.89	551.3	70.31	7.84
111	3.92	32.59	25.90	541.8	70.28	7.70
122	3.98	32.74	26.01	719.1	70.10	10.25
125	3.99	32.74	26.01	632.5	70.08	9.02

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG7	55 35.7N	165 12.5W	01 JUN	0630	+ 9	112
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	7.05	31.77	24.89	112.0	65.19	1.71
21	5.12	31.79	25.14	82.4	68.48	1.20
31	4.95	32.06	25.37	121.0	68.65	1.76
40	5.38	32.10	25.35	185.0	67.87	2.72
60	5.04	32.29	25.54	206.0	68.38	3.01
80	4.69	32.36	25.64	179.0	68.98	2.59
107	4.50	32.71	25.93	209.0	69.15	3.02

CRUISE NUMBER  
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LOCATION  
SOUTHEAST BERING SEA

INCLUSIVE DATES  
11 MAY-04 JUN 1981

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG10	56 0.0N	163 59.5W	16 MAY	0455	+ 9	91
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.58	31.87	25.03	97.4	65.92	1.47
11	6.41	31.85	25.03	96.2	66.22	1.45
31	4.30	31.87	25.29	89.0	69.93	1.27
61	3.34	31.91	25.41	104.4	71.73	1.45
86	3.34	31.91	25.41	110.3	71.73	1.53

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG11	56 13.8N	164 40.6W	16 MAY	0740	+ 9	90
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.35	31.86	25.05	81.3	66.31	1.22
13	5.63	31.81	25.10	85.5	67.57	1.26
33	3.91	31.91	25.36	114.4	70.64	1.61
62	3.08	31.97	25.48	105.6	72.20	1.46
73	3.08	31.97	25.48	110.7	72.20	1.53
85	3.07	31.97	25.48	119.9	72.22	1.66

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG13	56 40.2N	166 3.2W	18 MAY	2100	+ 9	80
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	4.81	31.98	25.32	95.3	68.94	1.38
33	3.09	32.05	25.54	78.0	72.14	1.08
51	3.07	32.05	25.55	80.2	72.18	1.11
61	3.07	32.06	25.55	76.3	72.18	1.05
72	3.06	32.06	25.55	82.0	72.20	1.13
76	3.06	32.05	25.55	86.0	72.20	1.19

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG14	56 55.1N	166 44.9W	22 MAY	0915	+ 9	76
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.18	32.04	25.44	77.1	70.07	1.10
34	4.06	32.05	25.46	74.0	70.29	1.05
54	3.24	32.07	25.55	145.1	71.84	2.01
62	3.17	32.12	25.59	148.7	71.95	2.06
69	3.16	32.12	25.59	131.8	71.97	1.83

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG15	57 10.0N	167 32.7W	22 MAY	0600	+ 9	75
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.35	32.09	25.46	100.4	69.73	1.43
31	4.22	32.10	25.48	90.8	69.97	1.29
51	3.52	32.17	25.60	91.5	71.25	1.28
60	3.42	32.18	25.62	86.9	71.44	1.21
70	3.39	32.20	25.64	85.1	71.48	1.19

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG21	56 58.9N	168 39.5W	22 MAY	0115	+ 9	83
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.88	32.04	25.36	103.8	68.79	1.50
31	4.52	32.20	25.53	90.0	69.36	1.29
51	3.91	32.57	25.88	358.6	70.31	5.09
61	3.98	32.53	25.84	368.3	70.20	5.24
75	3.98	32.53	25.84	368.5	70.20	5.24

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG22	56 44.0N	167 57.7W	22 MAY	1600	+ 9	102
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.84	31.95	25.30	83.6	68.90	1.21
31	4.69	31.96	25.32	72.0	69.17	1.04
50	3.51	32.20	25.63	203.8	71.25	2.85
60	3.61	32.31	25.70	186.5	71.01	2.62
80	3.90	32.44	25.78	435.0	70.39	6.17
97	3.91	32.44	25.78	426.2	70.38	6.05
101	3.91	32.44	25.78	403.7	70.38	5.73

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG23	56 29.0N	167 12.6W	23 MAY	0100	+ 9	110
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.23	31.88	25.20	74.3	68.24	1.08
31	4.93	31.91	25.25	77.0	68.76	1.11
50	3.58	32.03	25.48	151.5	71.21	2.12
60	3.81	32.08	25.50	127.4	70.74	1.80
81	4.12	32.51	25.81	556.1	69.95	7.94
100	4.13	32.52	25.82	558.0	69.93	7.97
104	4.13	32.53	25.83	566.2	69.92	8.09
109	4.13	32.53	25.83	563.8	69.92	8.06

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG24	56 14.8N	166 30.9W	19 MAY	0215	+ 9	112
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.52	31.79	25.09	75.2	67.77	1.10
31	4.32	31.81	25.24	88.5	69.92	1.26
60	3.68	31.84	25.32	122.3	71.11	1.71
71	3.56	32.22	25.64	232.0	71.15	3.26
81	3.92	32.40	25.75	462.3	70.38	6.56
91	3.97	32.42	25.76	536.2	70.27	7.62
104	3.93	32.46	25.79	401.4	70.33	5.70

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG26	55 42.7N	164 53.4W	16 MAY	1150	+ 9	97
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.76	31.78	24.94	87.0	65.66	1.32
11	5.94	31.70	24.97	106.1	67.09	1.58
21	4.53	31.77	25.19	96.1	69.55	1.38
31	4.38	31.75	25.19	127.3	69.84	1.82
60	3.58	32.10	25.54	191.6	71.17	2.69
93	3.58	32.11	25.55	207.2	71.17	2.91

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG27	55 23.2N	165 37.1W	16 MAY	2200	+ 9	117
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.70	31.80	24.96	156.8	65.76	2.38
13	5.77	31.72	25.01	191.4	67.37	2.84
33	4.85	32.04	25.37	191.2	68.84	2.77
62	4.72	32.19	25.50	178.5	69.01	2.58
82	4.03	32.25	25.56	198.6	69.14	2.87
114	4.08	32.94	26.16	162.3	69.81	2.32

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG29	55 53.9N	167 7.5W	20 MAY	1640	+ 9	133
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
6	5.05	31.96	25.28	84.7	68.52	1.23
31	5.04	31.97	25.29	83.1	68.54	1.21
51	3.68	32.25	25.65	108.6	70.90	1.53
81	4.22	32.70	25.95	778.4	69.67	11.17
100	4.23	32.75	25.99	628.1	69.63	9.02
116	4.21	32.77	26.01	525.5	69.66	7.54
127	4.19	32.78	26.02	507.8	69.69	7.28
132	4.19	32.79	26.03	602.4	69.68	8.64

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG30	56 9.5N	167 55.2W	21 MAY	0705	+ 9	140
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	5.22	32.20	25.45	81.6	68.11	1.19
31	5.22	32.21	25.46	80.7	68.10	1.18
51	3.92	32.49	25.82	112.2	70.33	1.59
71	4.03	32.79	26.05	158.3	69.98	2.26
101	4.05	32.81	26.06	162.9	69.93	2.32
120	4.05	32.81	26.06	173.4	69.93	2.47
130	3.76	33.08	26.30	103.1	70.34	1.46



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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG45	55 6.4N	166 35.9W	17 MAY	0430	+ 9	143
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
1	5.99	32.21	25.37	139.7	66.76	2.09
11	5.99	32.22	25.38	142.6	66.76	2.13
51	4.83	32.61	25.82	125.4	68.61	1.82
80	4.38	32.81	26.03	122.8	69.32	1.77
100	4.03	32.97	26.19	146.6	69.89	2.09
138	3.80	33.14	26.35	190.6	70.24	2.71

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG66	55 17.6N	166 16.6W	17 MAY	0115	+ 9	132
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.35	31.85	25.04	130.5	66.22	1.96
11	6.11	31.81	25.04	177.8	66.74	2.66
51	4.23	31.93	25.34	280.1	70.03	3.99
80	3.81	32.34	25.71	238.1	70.61	3.37
100	3.98	32.74	26.01	229.6	70.10	3.27
126	3.91	32.97	26.20	234.2	70.11	3.34

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG67	55 48.1N	165 33.7W	16 MAY	1435	+ 9	111
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	6.83	31.83	24.97	100.8	65.53	1.53
11	5.83	31.79	25.06	125.3	67.23	1.86
20	5.68	31.79	25.08	126.9	67.49	1.88
31	4.56	31.84	25.24	98.8	69.47	1.42
60	4.24	32.00	25.40	157.2	69.98	2.24
100	3.88	32.68	25.97	365.0	70.31	5.19
108	3.88	32.70	25.99	375.6	70.30	5.34
110	3.88	32.71	26.00	367.5	70.30	5.22

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG68	56 52.7N	165 47.6W	18 MAY	1835	+ 9	73
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
4	3.62	32.03	25.48	84.6	71.13	1.18
31	2.76	32.06	25.58	76.7	72.79	1.05
51	2.76	32.06	25.58	86.3	72.79	1.18
61	2.75	32.06	25.58	77.3	72.81	1.06
65	2.75	32.06	25.58	90.9	72.81	1.24

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG69	56 29.4N	166 15.9W	18 MAY	2305	+ 9	95
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.40	31.83	25.14	73.4	67.96	1.07
34	3.31	31.99	25.48	121.3	71.75	1.69
50	3.05	32.06	25.56	132.2	72.22	1.83
62	3.13	32.11	25.59	208.6	72.03	2.89
68	3.24	32.14	25.60	288.6	71.81	4.01
73	3.34	32.18	25.63	247.2	71.59	3.45
85	3.48	32.20	25.63	264.3	71.31	3.70

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG70	56 11.2N	167 9.5W	19 MAY	0550	+ 9	128
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
5	5.42	31.79	25.11	85.6	67.95	1.25
31	4.30	31.80	25.23	93.6	69.97	1.33
51	3.91	31.92	25.37	104.3	70.63	1.47
80	3.58	32.34	25.73	122.8	71.05	1.72
91	4.18	32.59	25.87	780.9	69.80	11.18
100	4.20	32.60	25.88	887.0	69.76	12.71
111	4.20	32.60	25.88	885.5	69.76	12.69
119	4.20	32.60	25.88	915.3	69.76	13.12

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG70A	56 11.9N	167 8.4W	23 MAY	0320	+ 9	126
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.43	31.86	25.16	85.1	67.90	1.25
31	4.78	31.91	25.27	82.2	69.03	1.19
51	3.99	31.91	25.35	119.4	70.49	1.69
60	3.79	32.16	25.57	119.0	70.74	1.68
71	3.98	32.34	25.69	235.7	70.29	3.35
80	3.99	32.44	25.77	434.2	70.23	6.18
91	4.14	32.63	25.91	1156.0	69.85	16.54
100	4.16	32.64	25.91	1178.0	69.81	16.87
110	4.16	32.64	25.91	1182.0	69.81	16.93
118	4.16	32.64	25.91	1179.0	69.81	16.88
125	4.16	32.64	25.91	606.8	69.81	8.69

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG70B	56 11.5N	167 10.2W	01 JUN	1835	+ 9	128
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
2	7.08	31.83	24.93	77.1	65.12	1.18
31	5.12	31.76	25.12	79.0	68.49	1.15
71	4.20	32.43	25.74	200.0	69.84	2.86
76	4.27	32.39	25.70	214.0	69.73	3.06
81	3.90	32.56	25.88	448.0	70.34	6.36
100	4.00	32.64	25.93	721.0	70.11	10.28
111	3.99	32.63	25.92	765.0	70.13	10.90
124	3.98	32.64	25.93	769.5	70.15	10.96

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG71	55 45.7N	167 31.3W	20 MAY	2230	+ 9	133
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.95	32.04	25.36	79.6	68.66	1.15
36	4.93	32.03	25.35	83.6	68.70	1.21
51	3.85	32.15	25.55	126.8	70.63	1.79
86	4.03	32.79	26.05	195.1	69.98	2.78
101	4.03	32.79	26.05	131.1	69.98	1.87
115	4.03	32.79	26.05	219.4	69.98	3.13
126	4.03	32.79	26.05	200.3	69.98	2.86
132	4.03	32.78	26.04	200.4	69.98	2.86

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG73	56 20.3N	167 34.4W	22 MAY	2240	+ 9	128
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	5.17	31.84	25.17	78.4	68.37	1.14
51	4.94	32.12	25.42	82.3	68.64	1.19
80	3.72	32.32	25.70	77.4	70.79	1.09
100	4.23	32.63	25.90	354.7	69.69	5.08
110	4.23	32.63	25.90	1153.0	69.69	16.54
123	4.23	32.63	25.90	1171.0	69.69	16.80
127	4.23	32.63	25.90	1136.0	69.69	16.30

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG74	56 40.9N	166 57.4W	22 MAY	1135	+ 9	93
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	4.72	31.91	25.28	76.2	69.14	1.10
31	4.54	31.94	25.32	82.2	69.45	1.18
51	3.33	32.17	25.62	268.5	71.62	3.74
60	3.37	32.18	25.62	317.7	71.53	4.44
87	3.47	32.24	25.66	376.9	71.31	5.28
92	3.50	32.24	25.66	414.5	71.25	5.81

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG301	56 25.4N	168 4.5W	21 MAY	1000	+ 9	150
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	83.3	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG302	56 28.4N	168 29.5W	21 MAY	1100	+ 9	150
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	80.0	*	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG303	56 35.1N	168 46.2W	21 MAY	1200	+ 9	180

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	97.6	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG304	56 42.6N	169 9.5W	21 MAY	1300	+ 9	180

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	87.3	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG305	56 48.0N	169 35.0W	21 MAY	1400	+ 9	180

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	84.1	*	*

STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG306	56 56.3N	169 58.0W	21 MAY	1500	+ 9	180

DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	78.5	*	*

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STATION	LATITUDE	LONGITUDE	DATE	TIME	GMT	BOTTOM DEPTH
SG307	57 9.2N	170 14.2W	21 MAY	1600	+ 9	180
DEPTH	TEMPERATURE	SALINITY	SIGMA-T	METHANE	SOLUBILITY	C/C*
3	*	*	*	84.4	*	*