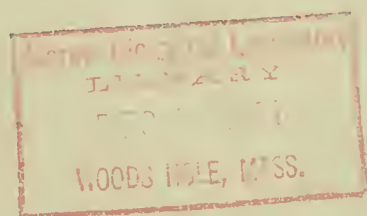


WATER TEMPERATURES OFF THE SOUTH ATLANTIC COAST OF THE UNITED STATES

Theodore N. Gill CRUISES 1-9, 1953-54



SPECIAL SCIENTIFIC REPORT-FISHERIES No. 380

UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

United States Department of the Interior, Stewart L. Udall, Secretary
Fish and Wildlife Service, Clarence F. Pautzke, Commissioner
Bureau of Commercial Fisheries, Donald L. McKernan, Director

**WATER TEMPERATURES
OFF THE SOUTH ATLANTIC COAST OF THE UNITED
STATES, Theodore N. Gill CRUISES 1-9, 1953-54**

By

William W. Anderson, Joseph E. Moore
and Herbert R. Gordy



United States Fish and Wildlife Service
Special Scientific Report--Fisheries No. 380

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CONTENTS

	Page
Introduction.....	1
Procedures	2
Sections.....	2
Areas.....	2
Seasons	2
General	2
Literature cited	2
Water temperature data (tables 1-80).....	9

FIGURES

1. Basic station plan.....	vi
2. Areas, sub-areas, and stations comprising sub-areas.....	4
3. Average winter surface water temperatures (°C)	5
4. Average spring surface water temperatures (°C)	6
5. Average summer surface water temperatures (°C).....	7
6. Average fall surface water temperatures (°C)	8

TABLES

1. Temperatures (°C), stations by cruise	9
2. Temperatures (°C), by section, cruise 1.....	54
3. Temperatures (°C), by section, cruise 2.....	58
4. Temperatures (°C), by section, cruise 3.....	62
5. Temperatures (°C), by section, cruise 4.....	66
6. Temperatures (°C), by section, cruise 5.....	70
7. Temperatures (°C), by section, cruise 6.....	74
8. Temperatures (°C), by section, cruise 7.....	76
9. Temperatures (°C), by section, cruise 8.....	80
10. Temperatures (°C), by section, cruise 9.....	84
11. Temperatures (°C), by section, winter season.....	88
12. Temperatures (°C), by section, spring season.....	92
13. Temperatures (°C), by section, summer season.....	96
14. Temperatures (°C), by section, fall season.....	100
15. Temperatures (°C), by station, winter season, southern inner shelf....	104
16. Temperatures (°C), by station, winter season, southern outer shelf....	105
17. Temperatures (°C), by station, winter season, southern offshore	106
18. Temperatures (°C), by station, winter season, central inner shelf.....	109
19. Temperatures (°C), by station, winter season, central outer shelf.....	110
20. Temperatures (°C), by station, winter season, central offshore	113
21. Temperatures (°C), by station, winter season, northern inner shelf....	116
22. Temperatures (°C), by station, winter season, northern outer shelf....	117
23. Temperatures (°C), by station, winter season, northern offshore	119
24. Temperatures (°C), by station, spring season, southern inner shelf....	121
25. Temperatures (°C), by station, spring season, southern outer shelf....	122
26. Temperatures (°C), by station, spring season, southern offshore	123
27. Temperatures (°C), by station, spring season, central inner shelf.....	126
28. Temperatures (°C), by station, spring season, central outer shelf.....	127
29. Temperatures (°C), by station, spring season, central offshore	130
30. Temperatures (°C), by station, spring season, northern inner shelf....	132

TABLES--Continued

	Page
31. Temperatures (°C), by station, spring season, northern outer shelf....	133
32. Temperatures (°C), by station, spring season, northern offshore	135
33. Temperatures (°C), by station, summer season, southern inner shelf .	138
34. Temperatures (°C), by station, summer season, southern outer shelf .	139
35. Temperatures (°C), by station, summer season, southern offshore.....	140
36. Temperatures (°C), by station, summer season, central inner shelf ...	143
37. Temperatures (°C), by station, summer season, central outer shelf ...	144
38. Temperatures (°C), by station, summer season, central offshore.....	147
39. Temperatures (°C), by station, summer season, northern inner shelf .	150
40. Temperatures (°C), by station, summer season, northern outer shelf .	151
41. Temperatures (°C), by station, summer season, northern offshore.....	153
42. Temperatures (°C), by station, fall season, southern inner shelf.....	156
43. Temperatures (°C), by station, fall season, southern outer shelf.....	157
44. Temperatures (°C), by station, fall season, southern offshore	158
45. Temperatures (°C), by station, fall season, central inner shelf.....	161
46. Temperatures (°C), by station, fall season, central outer shelf.....	162
47. Temperatures (°C), by station, fall season, central offshore	165
48. Temperatures (°C), by station, fall season, northern inner shelf.....	168
49. Temperatures (°C), by station, fall season, northern outer shelf.....	169
50. Temperatures (°C), by station, fall season, northern offshore	171
51. Temperatures (°C), inner shelf, winter season	173
52. Temperatures (°C), inner shelf, spring season	173
53. Temperatures (°C), inner shelf, summer season.....	174
54. Temperatures (°C), inner shelf, fall season	174
55. Temperatures (°C), outer shelf, winter season	175
56. Temperatures (°C), outer shelf, spring season	177
57. Temperatures (°C), outer shelf, summer season.....	179
58. Temperatures (°C), outer shelf, fall season.....	181
59. Temperatures (°C), offshore, winter season.....	183
60. Temperatures (°C), offshore, spring season.....	186
61. Temperatures (°C), offshore, summer season	189
62. Temperatures (°C), offshore, fall season.....	192
63. Temperatures (°C), inner shelf, summary by season	195
64. Temperatures (°C), outer shelf, summary by season	196
65. Temperatures (°C), offshore, summary by season.....	197
66. Temperatures (°C), summary comparison by season for inner shelf from south to north	199
67. Temperatures (°C), summary comparison by season for outer shelf from south to north	199
68. Temperatures (°C), summary comparison by season for offshore from south to north.....	200
69. Temperatures (°C), summary comparison from inner shelf to offshore, southern area, winter season	201
70. Temperatures (°C), summary comparison from inner shelf to offshore, southern area, spring season	201
71. Temperatures (°C), summary comparison from inner shelf to offshore, southern area, summer season.....	202
72. Temperatures (°C), summary comparison from inner shelf to offshore, southern area, fall season	202
73. Temperatures (°C), summary comparison from inner shelf to offshore, central area, winter season	203
74. Temperatures (°C), summary comparison from inner shelf to offshore, central area, spring season	203

TABLES--Continued

	Page
75. Temperatures (°C), summary comparison from inner shelf to offshore, central area, summer season.....	204
76. Temperatures (°C), summary comparison from inner shelf to offshore, central area, fall season	204
77. Temperatures (°C), summary comparison from inner shelf to offshore, northern area, winter season	205
78. Temperatures (°C), summary comparison from inner shelf to offshore, northern area, spring season	205
79. Temperatures (°C), summary comparison from inner shelf to offshore, northern area, summer season.....	206
80. Temperatures (°C), summary comparison from inner shelf to offshore, northern area, fall season	206

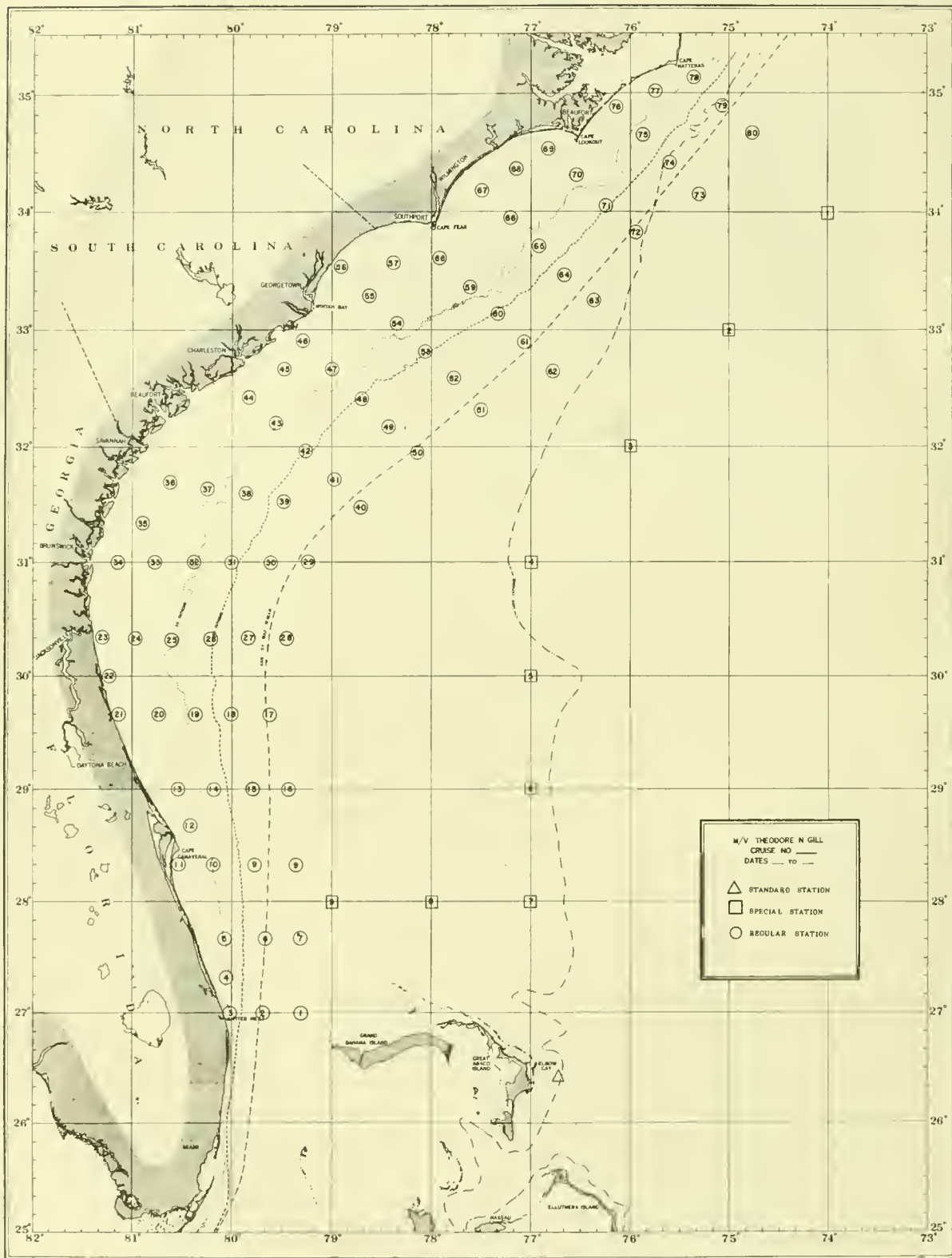


Figure 1.--Basic station plan.

WATER TEMPERATURES OFF THE SOUTH ATLANTIC COAST OF THE UNITED STATES, Theodore N. Gill CRUISES 1-9, 1953-54

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ABSTRACT

Water temperature data obtained during nine cruises of the M/V *Theodore N. Gill* off the south Atlantic coast of the United States are further processed and organized in a much more usable and readily available form. Surface water temperatures by season are presented graphically.

INTRODUCTION

A general survey of those waters adjacent to our coast in the region from Cape Hatteras on the north to the Florida Straits on the south was begun in 1953 by the U. S. Fish and Wildlife Service in cooperation with two other Federal agencies and two State agencies. Nine cruises over a basic station plan (fig. 1) were completed with the vessel *Theodore N. Gill* from February 1953 to December 1954.

All of the basic physical oceanographic, biological, and chemical data, together with procedures and methods, have been published by individual cruise; (Anderson, Gehringer, and Cohen, 1956a and 1956b; and Anderson

and Gehringer, 1957a, 1957b, 1958a, 1958b, 1959a, 1959b, and 1960).

This is the first in a series of reports to further process the physical oceanographic and chemical data preparatory to a summarization of conditions along the south Atlantic coast of the United States, as revealed from the nine *Gill* cruises. The data will also be organized in a much more usable and readily available form for fisher biologists in their studies of the fishes, shrimps, and other organisms of the region.

Acknowledgments

We appreciate the assistance of several members of the staff of the Bureau of Commercial Fisheries Biological Laboratory, Brunswick, Georgia, who aided in various ways: Jack W. Gehringer, Mary E. Cobb, Eleanor Y. Waters, Mabel Jo Knight, and E. Reid Poe.

Note.--W. W. Anderson, J. E. Moore, H. R. Gordy, Bureau of Commercial Fisheries Biological Laboratory, Brunswick, Georgia.

PROCEDURES

Sections

There are 16 sections as established from the pattern of east-west lines of stations (fig. 1). These are named and composed of stations as established in the individual cruise reports and shown in tables 2 to 14.

Areas

The region is divided into three areas--southern, central, and northern. Each area is split into three sub-areas: inner shelf, which extends generally from the beaches seaward to about 15 fathoms; outer shelf, from about 15 fathoms seaward to about 100 fathoms; and offshore, mostly in the Gulf Stream. This is illustrated in figure 2, together with the stations comprising each sub-area.

Data from the special stations and standard station are excluded from this division and are presented separately.

Seasons

Four general seasons are applied--winter (Cruises 1 and 5), spring (Cruises 2 and 6), summer (Cruises 3, 7, and 8), and fall (Cruises 4 and 9).

General

Temperature data used in compilation of the various tables were the interpolated and calculated data from the nine *Gill* cruise reports.

Basic temperatures are given to the hundredth of a degree, and averages to the nearest tenth of a degree.

No data below 1,000 meters standard depth are included--such were available on only a few stations.

Profiles of the sections, by cruise, were published in the individual cruise reports.

Average surface water temperatures for the four seasons, and for

areas near the special stations and standard station, are shown in figures 3 to 6.

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ANDERSON, WILLIAM W., AND JACK GEHRINGER

1957a. Physical oceanographic, biological, and chemical data, south Atlantic coast of the United States, M/V *Theodore N. Gill* Cruise 3. U.S. Fish and Wildlife Service, Special Scientific Report--Fisheries No. 210, 208 p., 19 figs.

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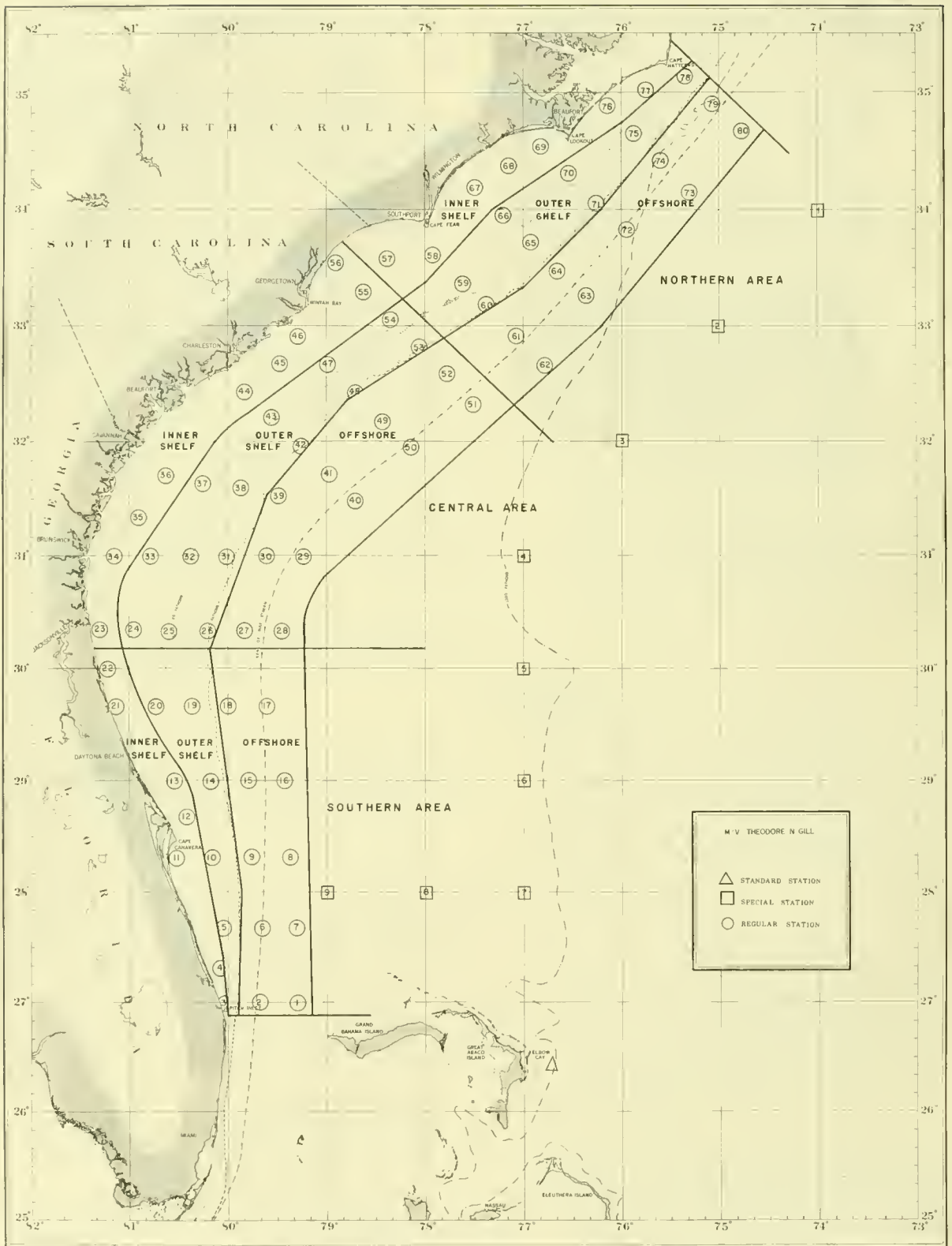


Figure 2.--Areas, sub-areas, and stations comprising sub-areas.

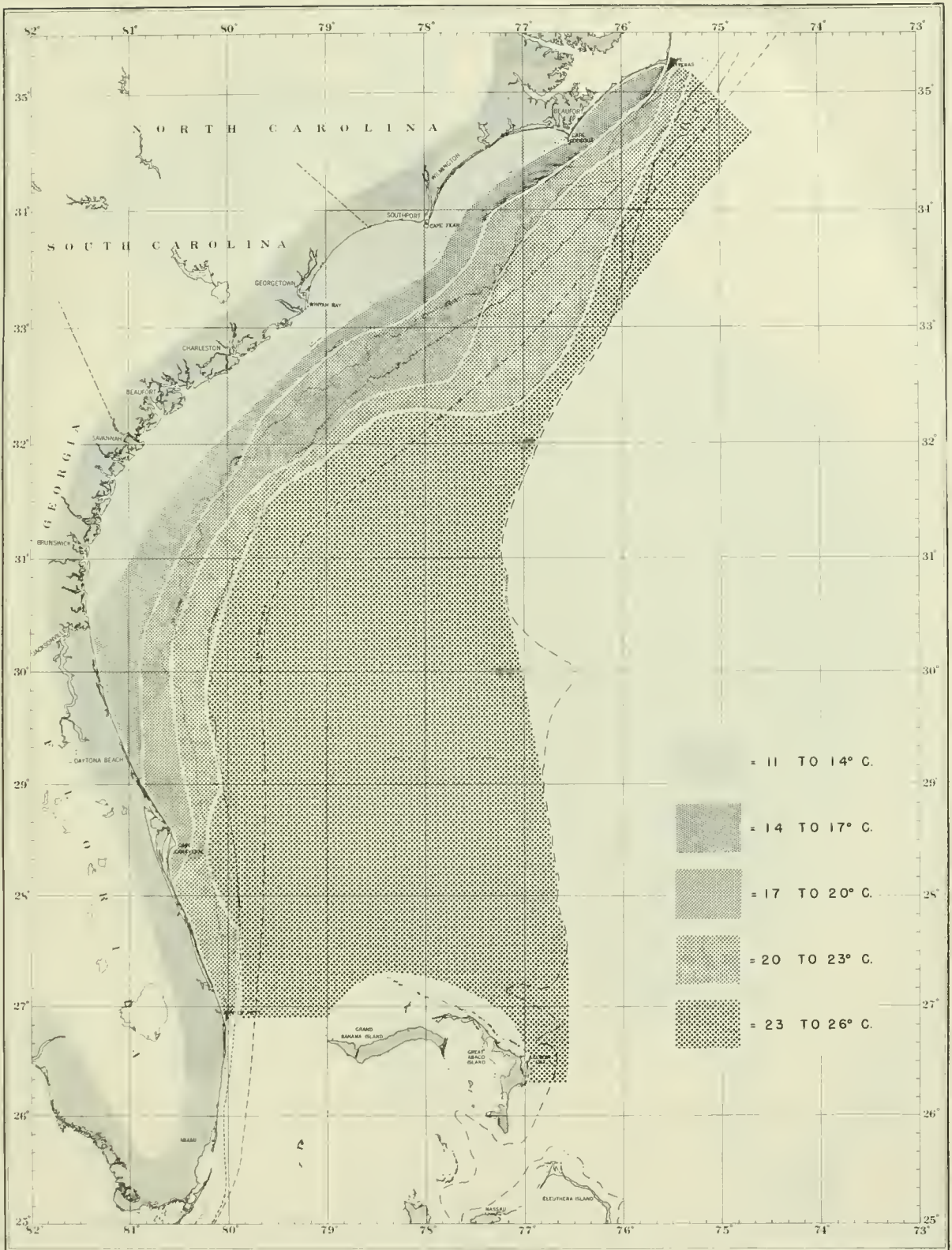


Figure 3.--Average winter surface water temperatures (°C).

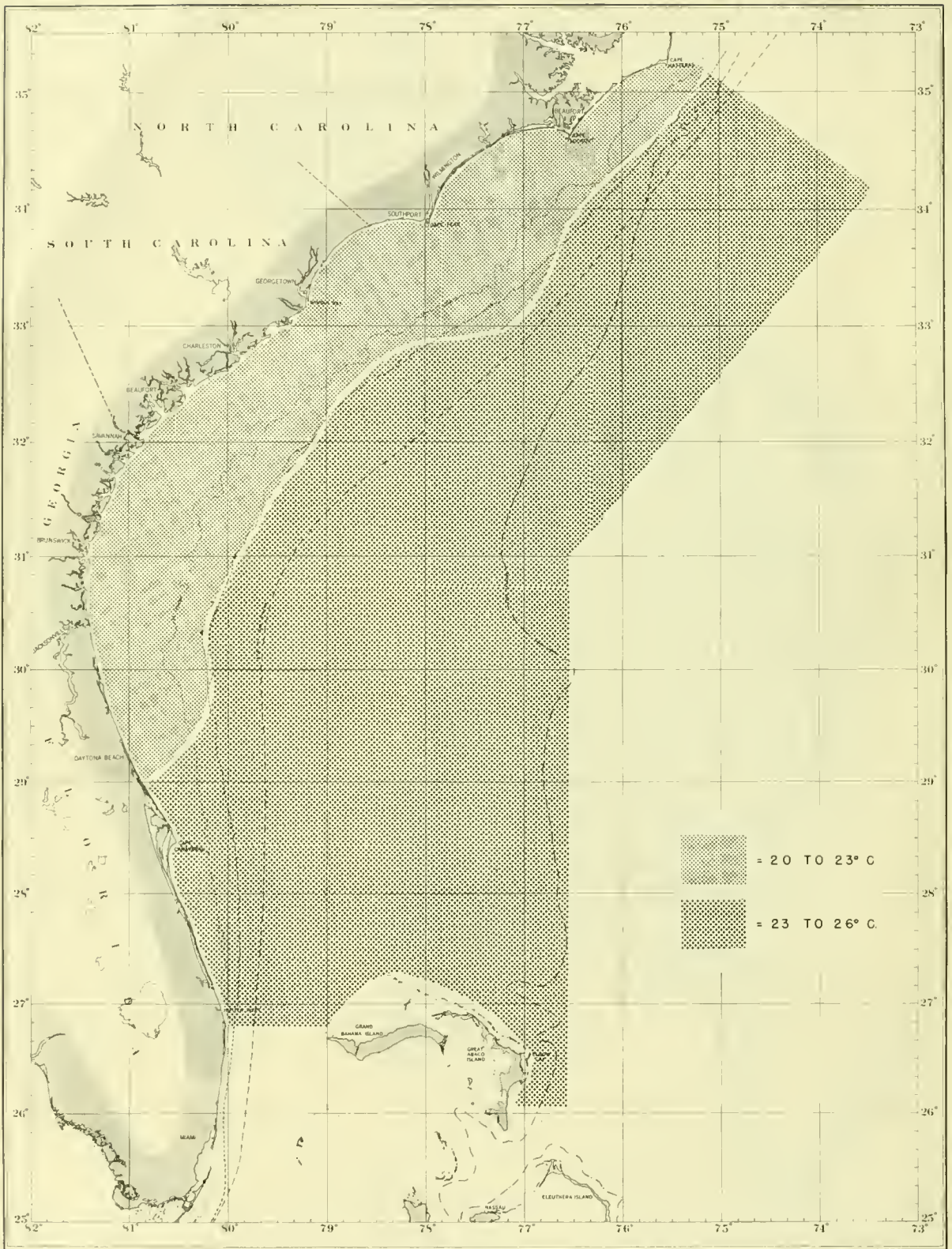


Figure 4.--Average spring surface water temperatures ($^{\circ}\text{C}$).

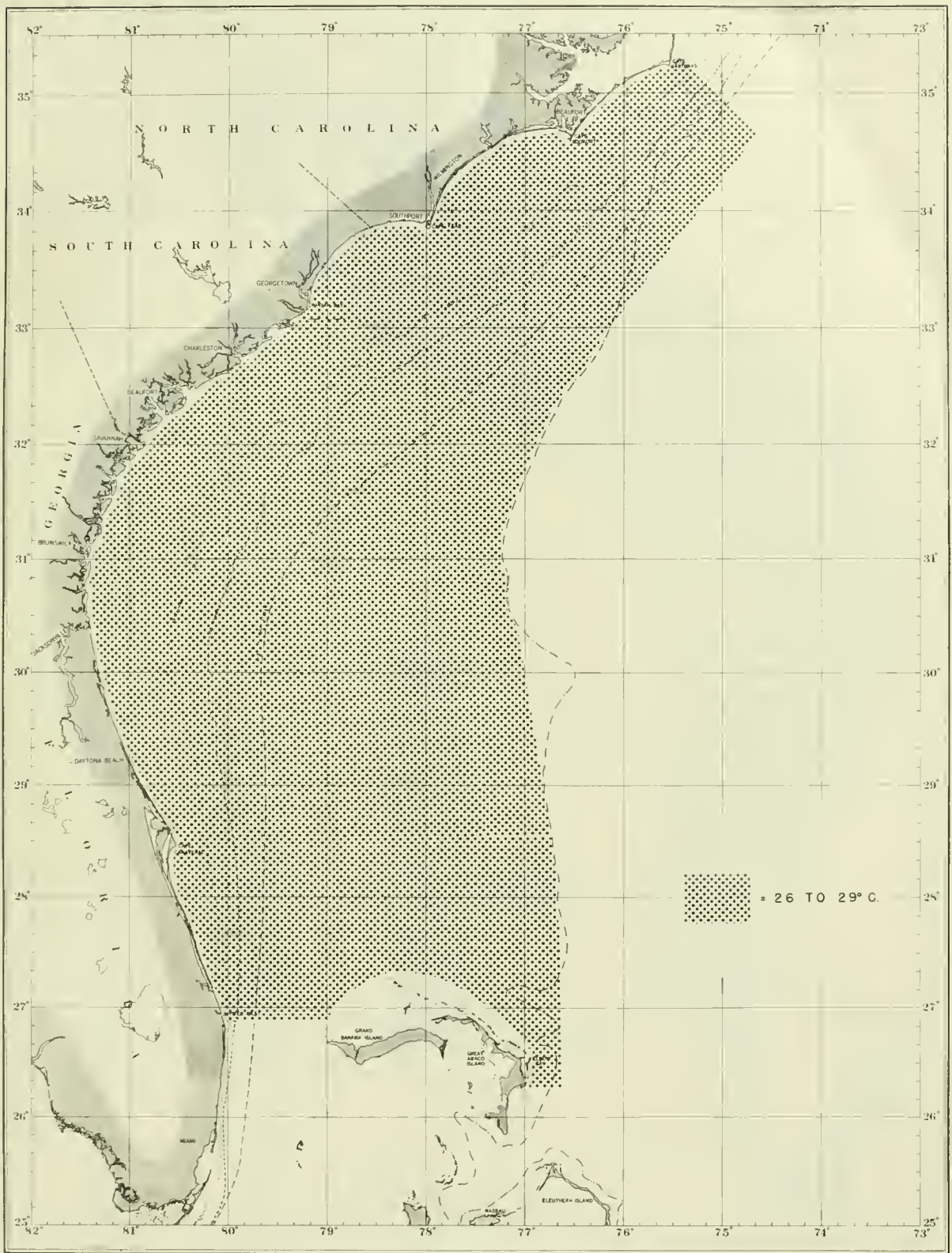


Figure 5.--Average summer surface water temperatures ($^{\circ}\text{C}$).

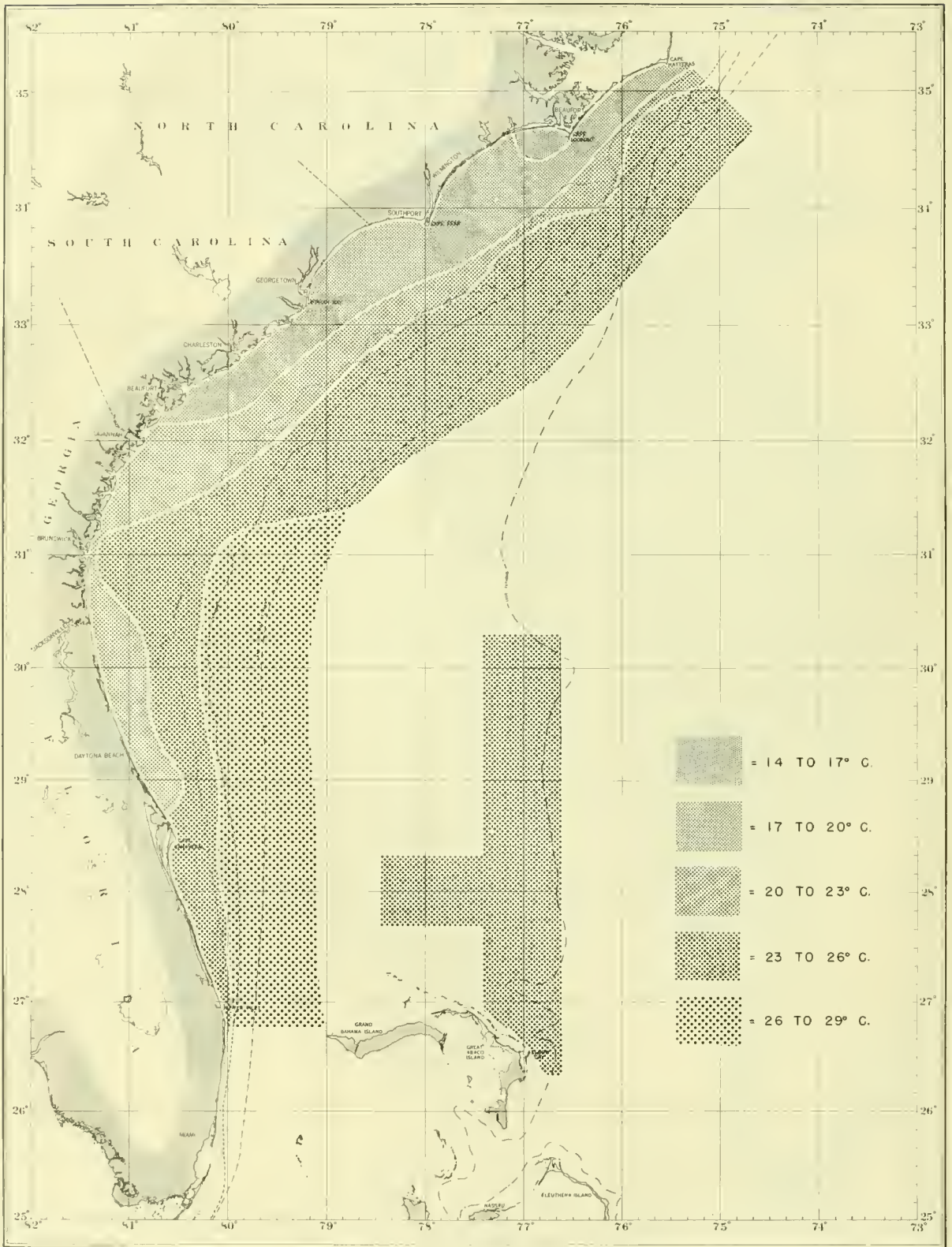


Figure 6.--Average fall surface water temperatures (°C)

Table 1.--Temperatures (°C), stations by cruise

Station Special 1

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		22.99							
10		22.83							
20		22.65							
30		21.69							
50		20.28							
75		19.96							
Avg.		21.7							
100		19.65							
150		19.02							
200		18.54							
250		18.31							
300		18.06							
Avg.		18.7							
400		17.48							
500		16.07							
600		14.43							
800		9.91							
1000		6.74							
Avg.		12.9							

Station Special 2

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		25.12							
10		25.14							
20		24.95							
30		24.20							
50		23.00							
75		22.33							
Avg.		24.1							
100		21.71							
150		20.60							
200		19.67							
250		18.93							
300		18.38							
Avg.		19.9							
400		17.84							
500		16.95							
600		15.72							
800		11.98							
1000		7.80							
Avg.		14.1							

Table 1.--Temperatures (°C), stations by cruise--Continued

Station Special 3

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		26.16							
10		25.53							
20		25.29							
30		24.16							
50		22.54							
75		21.87							
Avg.		24.3							
100		21.30							
150		20.53							
200		19.87							
250		19.35							
300		18.87							
Avg.		20.0							
400		18.10							
500		17.92							
600		17.25							
800		13.51							
1000		8.56							
Avg.		15.1							

Station Special 4

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		24.94							
10		24.93							
20		24.65							
30		24.20							
50		23.22							
75		21.59							
Avg.		23.9							
100		20.34							
150		19.64							
200		19.05							
250		18.56							
300		18.18							
Avg.		19.2							
400		17.72							
500		16.53							
600		15.00							
800		10.60							
1000		6.92							
Avg.		13.4							

Table 1.--Temperatures (°C), stations by cruise--Continued

Station Special 5

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		22.50	28.11		24.22	22.38	26.22		25.44
10		22.47	28.01		24.19	21.62	25.27		25.46
20		22.47	27.59		24.14	21.27	24.74		25.48
30		22.47	27.30		24.09	21.07	24.12		25.48
50		22.35	26.45		23.21	20.80	23.06		25.48
75		21.48	24.65		22.12	20.50	22.00		25.15
Avg.		22.3	27.0		23.7	21.3	24.2		25.4
100		20.80	22.81		21.72	20.20	21.22		24.61
150		20.40	20.48		20.98	19.54	20.30		22.31
200		19.77	19.67		20.07	19.25	19.29		20.75
250		19.05	18.96		19.06	18.65	18.50		19.51
300		18.50	18.49		18.67	18.23	18.15		18.72
Avg.		19.7	20.1		20.1	19.2	19.5		21.2
400		17.92	17.93		18.00	17.75	17.19		18.03
500		16.99	16.85		17.45	16.90	15.71		17.08
600						15.76	13.51		15.36
800						11.50			10.49
1000									
Avg.		17.5	17.4		17.7	15.5	15.5		15.2

Station Special 6

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		24.40	27.96		23.43	24.04	26.45		25.22
10		24.48	27.92		23.49	24.05	26.40		25.23
20		24.50	27.50		23.36	23.69	25.68		25.24
30		23.86	26.10		23.36	22.94	25.25		25.27
50		22.84	24.16		23.31	22.06	24.39		25.29
75		22.23	23.37		23.19	21.40	23.32		25.24
Avg.		23.7	26.2		23.4	23.0	25.2		25.2
100		21.34	22.47		22.81	20.75	22.50		25.15
150		20.05	20.67		21.50	20.02	21.21		21.33
200		19.44	19.58		19.50	19.48	19.55		20.30
250		18.90	18.98		18.70	18.80	17.69		19.25
300		18.43	18.40		18.29	18.19	16.09		18.64
Avg.		19.6	20.0		20.2	19.4	19.4		20.9
400		17.69	17.59		17.53	17.49	13.64		18.07
500		16.72	16.66		16.38	16.10	11.95		17.60
600		15.08	15.06		14.40	14.25	10.26		16.22
800					9.53	9.35	7.10		12.87
1000						5.99			
Avg.		16.5	16.4		14.5	12.6	10.7		16.2

Table 1.--Temperatures (°C), stations by cruise--Continued

Station Special 7

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		23.30	28.73		23.77	25.87	26.75		25.27
10		23.49	28.36		23.68	25.80	26.65		25.27
20		23.35	27.85		23.57	25.07	25.91		25.28
30		23.01	27.13		23.46	24.32	25.47		25.29
50		22.35	25.78		23.25	23.40	24.65		25.25
75		21.60	24.30		23.06	23.06	23.73		24.02
Avg.		22.9	27.0		23.5	24.6	25.5		25.1
100		20.88	23.19		22.85	22.59	22.98		22.96
150		19.60	21.38		22.03	21.37	21.97		21.31
200		18.78	20.08		20.23	20.14	20.09		19.93
250		18.37	19.15		19.40	19.14	19.07		19.10
300		18.05	18.75		18.78	18.54	18.57		18.37
Avg.		19.1	20.5		20.7	20.4	20.5		20.3
400		17.52	18.23		17.85	17.43	18.06		17.55
500		15.71	17.72		17.17	15.84	17.05		16.85
600		14.20	16.06		15.85	14.12	15.62		15.81
800		9.79			13.01	9.74	11.48		11.58
1000							7.11		
Avg.		14.3	17.3		16.0	14.3	13.9		15.4

Station Special 8

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		23.10	28.47			24.43	27.50		25.84
10		22.91	28.42			24.37	27.29		25.84
20		22.92	28.20			23.83	26.81		25.84
30		22.90	27.78			23.30	26.24		25.81
50		22.81	26.00			22.60	25.22		25.70
75		22.31	23.95			22.20	24.31		24.51
Avg.		22.8	27.1			23.5	26.2		25.6
100		21.92	22.55			21.80	23.44		23.27
150		21.32	21.03			20.68	21.79		20.80
200		19.35	19.80			19.09	20.09		19.28
250		18.69	18.81			17.77	19.00		18.69
300		18.08	18.12			16.74	18.36		18.19
Avg.		19.9	20.1			19.2	20.5		20.0
400		17.05	16.78			14.82	17.50		17.62
500		15.64	14.88			12.69	15.71		16.19
600		13.66	11.87			10.62	13.67		14.27
800		8.27				6.86	8.86		10.04
1000							4.65		
Avg.		13.7	14.5			11.2	12.1		14.5

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station Special 9								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		23.80	28.81	26.95	24.41	26.25	27.11	28.36	25.04
10		23.59	28.70	26.98	24.35	25.97	27.13	28.40	25.06
20		23.23	28.54	26.96	24.35	25.85	27.12	28.42	25.07
30		23.17	28.15	26.97	24.25	25.04	27.00	28.40	25.06
50		23.05	27.25	26.91	23.68	24.06	26.49	28.36	25.05
75		22.95	25.98	25.27	23.20	23.61	25.18	28.09	25.04
Avg.		23.3	27.9	26.7	24.0	25.1	26.7	28.3	25.1
100		22.57	24.76	23.87	22.77	23.07	23.63	23.53	24.90
150		21.08	22.50	21.71	22.10	21.84	21.58	21.63	22.01
200		19.55	20.63	20.22	21.20	20.59	19.98	19.66	19.79
250		19.17	19.30	19.23	19.25	19.31	19.05	19.00	18.71
300		18.66	18.61	18.55	18.70		18.45	18.49	18.22
Avg.		20.2	21.2	20.7	20.8	21.2	20.5	20.5	20.7
400		17.25	17.87	17.47	17.98		17.03	17.90	16.80
500		15.33	17.00	15.30	16.50		15.23	16.75	14.31
600		13.04	14.60	13.16	13.70		13.00	14.15	11.59
800							6.94		
1000									
Avg.		15.2	16.5	15.3	16.1		13.1	16.3	14.2

Depth (m)	Station								
	Cruise								
	1	2	3	4	5	6	7	8	9
0									
10									
20									
30									
50									
75									
Avg.									
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 1								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.30	26.70	28.80	28.02	24.88	26.24	28.00	28.65	26.48
10	24.29	26.03	28.67	28.01	24.91	26.25	27.98	28.67	26.56
20	24.27	25.99	28.51	28.00	24.83	26.21	27.90	28.62	26.62
30	24.26	25.98	28.12	27.99	24.82	26.21	27.83	28.59	26.62
50	24.23	25.96	27.23	27.97	24.80	26.21	27.69	28.05	26.63
75	24.15	25.47	25.88	26.05	24.60	25.98	25.54	26.39	26.22
Avg.	24.3	26.0	27.9	27.7	24.8	26.2	27.5	28.2	26.5
100	24.01	24.57	24.57	23.90	24.16	25.68	23.74	24.83	25.85
150	22.02	21.59	22.09	21.91	21.64	22.42	21.23	22.11	23.04
200	20.36	19.05	20.05	20.13	19.47	20.06	18.79	20.35	19.87
250	19.11	17.11	19.11	18.34	18.67	18.86	18.29	19.62	17.92
300	18.02	15.40	18.37	17.33	17.94	17.75	17.50	18.66	17.24
Avg.	20.7	19.5	20.8	20.3	20.4	21.0	19.9	21.1	20.8
400	16.30	12.18	16.65	14.75	15.12	15.79	15.04	16.48	15.16
500	13.80					13.92	13.02		13.05
600						11.46			
800									
1000									
Avg.	15.1	12.2	16.7	14.7	15.1	13.7	14.0	16.5	14.1

Depth (m)	Station 2								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.80	25.22	28.91	27.54	24.98	26.00	27.99	29.05	26.67
10	24.70	25.20	28.81	27.54	24.96	26.00	28.07	29.05	26.72
20	24.64	25.15	28.75	27.56	24.87	25.99	27.52	28.58	26.72
30	24.65	24.84	28.50	27.54	24.87	25.97	26.46	27.90	26.67
50	24.29	23.49	27.70	27.43	24.88	25.86	24.52	26.81	26.56
75	22.74	20.92	26.21	24.04	24.61	25.79	22.38	26.47	26.40
Avg.	24.3	24.1	28.1	26.9	24.9	25.9	26.2	28.0	26.6
100	21.14	17.94	24.42	21.49	24.30	25.15	20.65	25.73	25.82
150	18.23	12.61	20.77	18.95	20.03	22.13	18.41	23.06	21.61
200	16.29		17.98	17.06	16.48	17.57	16.84	19.79	18.23
250	14.72		14.87	15.61	15.36	15.91	14.84	17.88	16.06
300	12.97			13.88	13.84	14.27	12.69	16.09	14.25
Avg.	16.7	15.3	19.5	17.4	18.0	19.0	16.7	20.5	19.2
400	9.48			10.67	10.11	11.06	7.97	12.88	11.00
500						9.63		8.88	
600									
800									
1000									
Avg.	9.5			10.7	10.1	10.3	8.0	10.9	11.0

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 3

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	20.53	22.91	27.72	25.92	24.52	25.19	26.38	28.78	25.70
10	20.54	22.86	27.93	26.23		25.21	26.05	28.24	25.70
20									
30									
50									
75									
Avg.	20.5	22.9	27.8	26.1	24.5	25.2	26.2	28.5	25.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 4

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	19.70	22.86	27.52	26.44	24.32	24.60	27.10	28.92	25.33
10	19.49	22.82	27.10	25.20	24.26	24.59	26.02	28.18	24.79
20				26.19				27.97	24.29
30									
50									
75									
Avg.	19.6	22.8	27.3	26.3	24.3	24.6	26.6	28.4	24.8
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 5								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	20.73	23.90	27.94	26.42	24.55	24.99	27.24	29.24	25.58
10	20.40	23.56	25.60	26.59	24.50	23.98	26.85	28.97	25.46
20	18.81	20.70	22.20	26.88	24.50	21.02	24.49	28.28	24.90
30	15.93	18.99	21.02	26.99	22.06	19.24			24.54
50									
75									
Avg.	19.0	21.8	24.2	26.7	23.9	22.3	26.2	28.8	25.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Depth (m)	Station 6								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.52	26.21	28.70	28.07	24.89	26.45	28.37	29.19	26.51
10	24.51	25.93	28.69	28.08	24.84	26.44	28.29	29.20	26.54
20	24.51	25.90	28.68	28.09	24.84	26.46	28.09	28.62	26.56
30	24.51	25.88	28.52	28.08	24.86	26.47	27.45	27.86	26.55
50	24.38	25.55	27.97	27.53	24.89	26.42	26.06	26.85	26.54
75	23.50	23.57	26.93	26.49	24.37	25.43	23.89	25.91	26.39
Avg.	24.3	25.5	28.2	27.7	24.8	26.3	27.0	27.9	26.5
100	22.80	21.66	25.70	24.96	23.47	22.51	22.10	25.18	26.24
150	21.96	18.93	21.48	21.22	20.51	19.65	19.49	23.01	22.08
200	18.83	16.90	18.85	18.81	17.73	16.78	17.42	18.53	18.69
250	14.56	14.42	15.96	17.51	16.45	13.87	16.34	14.95	16.74
300	11.48		12.86	16.20	14.98	11.01	14.81	12.30	15.00
Avg.	17.9	18.0	19.0	19.7	18.6	16.8	18.0	18.8	19.7
400				12.46	11.51				12.41
500									
600									
800									
1000									
Avg.				12.5	11.5				12.4

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 7								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	24.27	25.90	28.66	27.83	24.92	26.20	28.08	28.56	26.66	
10	24.28	25.90	28.66	27.87	24.87	26.19	27.85	28.56	26.68	
20	24.33	25.90	28.68	27.86	24.88	26.21	27.86	28.46	26.69	
30	24.27	25.88	28.38	27.86	24.90	26.21	27.81	28.01	26.69	
50	24.27	25.82	27.57	27.60	24.90	26.18	27.19	27.16	26.69	
75	24.22	25.12	25.93	26.67	24.87	26.15	25.42	26.20	26.30	
Avg.	24.3	25.8	28.0	27.6	24.9	26.2	27.4	27.8	26.6	
100	24.11	23.93	24.38	25.45	24.65	25.80	23.82	25.28	25.75	
150	22.35	21.13	22.21	22.14	22.44	22.57	21.13	21.60	22.33	
200	20.41	19.64	19.90	19.97	20.18	20.50	19.39	20.17	19.43	
250	18.17	18.36	18.72	18.68	18.79	18.82	18.62	19.21	18.00	
300	16.44	17.15	18.36	18.07	17.74	17.49	17.73	18.12	16.60	
Avg.	20.3	20.0	20.7	20.9	20.8	21.0	20.1	20.9	20.4	
400		14.38	16.85	15.68	15.75	15.34	15.65	15.52	15.05	
500			13.16	13.62				13.43		
600										
800										
1000										
Avg.		14.4	15.0	14.7	15.7	15.3	15.7	14.5	15.1	

		Station 8								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	24.44	25.90	28.82	27.98	24.80	26.27	27.65	28.36	26.54	
10	24.48	25.93	28.81	27.98	24.70	26.27	27.65	28.40	26.55	
20	24.48	25.96	28.50	27.99	24.74	26.25	27.66	28.34	26.57	
30	24.47	25.96	28.03	27.99	24.77	26.20	27.61	27.76	26.59	
50	24.46	25.93	27.35	27.92	24.77	26.05	27.19	26.91	26.58	
75	24.40	24.74	26.85	27.27	24.58	25.87	25.94	26.58	26.15	
Avg.	24.5	25.7	28.1	27.9	24.7	26.2	27.3	27.7	26.5	
100	24.20	23.31	25.90	26.03	24.17	25.45	24.50	25.77	25.40	
150	21.42	20.46	22.63	23.34	20.77	23.91	21.67	22.95	21.93	
200	19.35	19.49	20.70	21.16	18.79	21.32	20.30	20.12	19.56	
250	17.68	18.27	19.44	19.08	18.38	18.99	19.13	19.26	18.30	
300	16.25	17.09	17.79	17.83	17.96	17.00	18.29	18.30	17.59	
Avg.	19.8	19.7	21.3	21.5	20.0	21.3	20.8	21.3	20.6	
400	13.73	14.65	15.38	15.51	16.38	14.03	16.66	16.14	15.97	
500	11.42	11.91	12.66	11.66	12.87	11.09	12.74	13.13	14.27	
600	9.30	9.56	10.19	8.49	9.80	9.11	9.85		11.68	
800										
1000										
Avg.	11.5	12.0	12.7	11.9	13.0	11.4	13.1	14.6	14.0	

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 9								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		25.65	29.12	28.15		26.44	28.40	28.97	26.51	
10		25.66	29.04	28.13		26.43	28.10	28.92	26.53	
20		25.65	28.94	28.12		26.47	27.91	28.80	26.56	
30		25.60	28.56	28.12		26.48	27.89	28.13	26.59	
50		24.59	27.91	28.10		26.47	27.14	27.14	26.59	
75		22.56	26.72	27.53		26.15	25.53	26.40	26.46	
Avg.		25.0	28.4	28.0		26.4	27.5	28.1	26.5	
100		21.10	24.87	26.13		24.44	23.75	25.54	25.43	
150		19.05	17.64	22.46		19.53	21.01	23.13	21.78	
200		16.87		18.27		17.82	19.40	18.63	18.59	
250				13.51		14.14	17.26	14.37	16.62	
300							13.87	12.08	14.47	
Avg.		19.0	21.3	20.1		19.0	19.1	18.7	19.4	
400										
500										
600										
800										
1000										
Avg.										

		Station 10								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		24.20	27.77	25.61	24.06	24.84	28.30	28.81	25.27	
10		23.52	27.17	25.58	24.03	24.84	27.82	28.35	25.29	
20		19.73	22.12	25.81	22.91	23.74	26.87	28.20	25.31	
30						21.17				
50										
75										
Avg.		22.5	25.7	25.7	23.7	23.6	27.7	28.5	25.3	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 11								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	18.15	22.73	27.47	25.09	18.00	24.59	26.85	28.97	22.64	
10	18.18							28.40	22.47	
20										
30										
50										
75										
Avg.	18.2	22.7	27.5	25.1	18.0	24.6	26.9	28.7	22.6	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

		Station 12								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		21.37	27.28	24.64	17.84	23.97	26.66	28.29	22.85	
10		21.13	27.29	24.75	17.89	23.71	26.32	27.86	22.52	
20										
30										
50										
75										
Avg.		21.3	27.3	24.7	17.9	23.8	26.5	28.1	22.7	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 13

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0			27.18	24.11	17.40	23.21	26.59	28.61	21.39
10		21.65	27.14	24.18	17.38	22.91	26.56	28.16	20.92
20									
30									
50									
75									
Avg.		21.7	27.2	24.1	17.4	23.1	26.6	28.4	21.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 14

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		24.97	28.45	25.20	22.08	25.66	26.85	29.17	25.31
10		25.00	28.28	25.24	22.09	25.41	26.72	28.98	25.32
20		24.95	27.24	25.56	21.96	24.29	26.30	28.62	25.33
30		24.90	22.86	25.66	21.16	23.67	25.97	28.10	25.06
50			21.51	25.79	21.03	20.51	25.35	26.56	24.49
75									
Avg.		25.0	25.7	25.5	21.7	23.9	26.2	28.3	25.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 15								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		26.00	29.37	27.80	24.89	26.79	27.68	28.90	26.67
10		26.02	29.07	27.77	24.87	26.52	27.63	28.93	26.67
20		26.03	28.85	27.80	24.86	26.40	27.42	28.45	26.68
30		26.01	28.51	27.82	24.84	26.28	27.38	27.76	26.70
50		26.00	27.72	27.83	24.82	26.05	27.08	26.88	26.72
75		25.34	26.76	27.16	24.54	25.83	26.10	26.17	26.36
Avg.		25.9	28.4	27.7	24.8	26.3	27.2	27.8	26.6
100		24.68	26.01	26.06	24.26	25.25	24.70	25.67	25.87
150		22.20	24.26	22.60	21.05	21.95	21.85	23.27	21.94
200		19.88	21.52	19.85	18.70	18.87	19.97	19.33	18.92
250		19.07	18.25	17.89	17.86	16.70	17.99	16.07	17.21
300		18.19	14.70	16.23	16.72	15.05	14.98	13.65	15.39
Avg.		20.8	20.9	20.5	19.7	19.6	19.9	19.6	19.9
400		16.43	11.02	13.46	13.52	11.25	10.18	10.69	11.42
500		13.94		11.19	10.07	8.08	7.29		8.05
600		10.73		9.02	6.36				
800									
1000									
Avg.		13.7	11.0	11.2	10.0	9.7	8.7	10.7	9.7

Depth (m)	Station 16								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		25.70	28.88	27.94	23.56	26.30	23.15	28.23	26.42
10		25.76	28.95	27.90	23.51	26.35	28.13	28.23	26.44
20		25.78	28.87	27.95	23.46	26.20	27.95	28.23	26.46
30		24.85	28.45	28.00	23.27	26.18	27.52	28.10	26.21
50		23.59	27.65	28.05	22.97	26.16	26.63	27.63	25.84
75		23.31	26.77	28.00	22.82	25.92	25.37	26.52	25.73
Avg.		24.8	28.3	28.0	23.3	26.2	27.3	27.8	26.2
100		22.88	25.82	27.61	22.64	25.36	24.22	25.27	25.63
150		21.48	23.34	23.83	22.16	23.43	22.22	22.38	20.27
200		19.92	21.27	21.18	19.95	21.94	20.65	19.93	18.99
250		19.08	19.71	19.07	18.96	19.79	19.43	18.97	18.57
300		18.32	18.40	17.81	18.20	18.13	18.41	18.27	18.08
Avg.		20.3	21.7	21.9	20.4	21.7	21.0	21.0	20.3
400		16.58	16.55	15.95	17.45	15.98	16.94	17.64	16.87
500		13.88	14.09	14.04	16.10	12.92	14.25	15.64	14.13
600		11.53	10.77	11.67	13.30	10.32	11.65	12.72	13.37
800			8.14						
1000									
Avg.		14.0	12.4	13.9	15.6	13.1	14.3	15.3	14.8

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 17								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		26.00	29.04		23.78	26.10	28.54	28.45	26.56
10		25.96	28.90		23.76	26.16	27.88	28.37	26.57
20		25.51	28.67		23.73	26.03	27.95	28.36	26.58
30		24.77	28.39		23.58	25.94	27.65	28.30	26.59
50		23.83	27.78		23.29	25.79	27.07	28.06	26.59
75		23.08	26.94		22.92	25.60	26.66	26.24	26.51
Avg.		24.9	28.3		23.5	25.9	27.6	28.0	26.6
100		22.47	25.74		22.63	25.21	25.79	24.65	25.64
150		20.73	22.91		21.84	23.48	22.64	22.19	21.95
200		19.82	20.78		20.10	21.17	20.56	20.16	19.56
250		18.95	19.45		18.97	19.22	19.44	18.89	18.55
300		17.97	18.30		18.07	17.88	18.19	17.91	17.39
Avg.		20.0	21.4		20.3	21.4	21.3	20.8	20.6
400		15.54	16.22		16.40	15.89	15.27	15.92	14.70
500		12.84	12.70		14.68	13.96	13.54	12.94	11.91
600		9.93	9.85		12.03	11.49	11.69	10.00	8.99
800									
1000									
Avg.		12.8	12.9		14.4	13.8	13.5	13.0	11.9

Depth (m)	Station 18								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		25.80	29.21	28.08	24.76		28.78	29.02	26.36
10		25.75	29.11	28.08	24.74		27.94	28.99	26.53
20		25.72	28.91	28.16	24.73		27.83	28.88	26.64
30		25.51	28.50	28.17	24.79		27.78	28.82	26.64
50		24.48	27.57	27.69	24.80		27.33	28.55	26.41
75		22.33	26.25	25.29	24.62		26.13	27.21	26.00
Avg.		24.9	28.3	27.6	24.7		27.6	28.6	26.4
100		20.32	24.75	22.91	24.28		24.42	25.90	25.77
150		18.33	19.67	19.07	22.03		20.82	21.68	22.69
200			14.30	16.78	17.28		17.84	16.13	15.62
250				15.17	13.70		15.06	12.10	11.24
300				13.80	11.25		12.56	10.53	8.51
Avg.		19.3	19.6	17.5	17.7		18.1	17.3	16.8
400				11.37	8.32			9.07	
500									
600									
800									
1000									
Avg.				11.4	8.3			9.1	

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 19								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		22.68	27.78	26.25	21.07		27.09	28.52	24.74	
10		22.72	27.81	26.28	21.12		27.07	28.39	24.52	
20		22.74	27.81	26.22	20.93		26.92	28.35	23.88	
30		20.18	25.57	26.16	20.82		26.75	28.17	23.01	
50										
75										
Avg.		22.1	27.2	26.2	21.0		27.0	28.4	24.0	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

		Station 20								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		21.75	27.49	24.91	17.70		27.01	28.15	22.22	
10		21.74	27.30	24.94	17.66		27.01	28.19	22.15	
20		21.30	27.23	24.93	17.93		26.74	28.16	21.99	
30										
50										
75										
Avg.		21.6	27.3	24.9	17.8		26.9	28.2	22.1	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 21								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		21.11	27.34	23.64	15.22		27.56	28.33	19.63	
10		21.03	26.81	24.44	15.37		27.52	28.33	18.00	
20										
30										
50										
75										
Avg.		21.1	27.1	24.0	15.3		27.5	28.3	18.8	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

		Station 22								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		20.84	28.01	23.39	15.12		27.38	28.36	19.26	
10		20.79	27.34		15.10		27.30	28.34	18.35	
20										
30										
50										
75										
Avg.		20.8	27.7	23.4	15.1		27.3	28.3	18.8	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 23								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	16.11	20.75	28.20	24.14	14.39		27.71	28.38	18.08	
10	15.73	20.55	27.67		14.01		27.59	28.41	17.88	
20										
30										
50										
75										
Avg.	15.9	20.7	27.9	24.1	14.2		27.7	28.4	18.0	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

		Station 24								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	17.27	21.19	27.71	24.56	16.50		27.44	28.32	21.21	
10	17.28	21.18	27.26	24.59	16.13		27.09	28.30	21.22	
20	17.30	21.09	27.05	24.50						
30										
50										
75										
Avg.	17.3	21.2	27.3	24.5	16.3		27.3	28.3	21.2	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 25								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	18.18	21.62	27.99	25.96	20.47		27.93	28.18	23.65	
10	18.19	21.65	27.72	25.99	20.41		27.29	28.14	23.66	
20	18.22	21.17	26.16	25.99	20.34		27.20	28.11	23.53	
30	18.16									
50										
75										
Avg.	18.2	21.5	27.3	26.0	20.4		27.5	28.1	23.6	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

		Station 26								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	20.94	23.24	28.10	26.98	21.36		28.38	28.31	26.17	
10	20.91	23.23	28.15	27.02	21.34		27.78	28.43	26.17	
20	20.91	23.16	27.84	27.05	21.16		27.46	28.30	26.20	
30	20.55	22.94	27.43	27.04	20.70		26.54	27.90	26.18	
50	18.00	21.51	24.96	26.77	20.09		24.80	27.25	26.13	
75	12.02	18.02	19.72	26.04	19.93		22.82	26.69	26.05	
Avg.	18.9	22.0	26.0	26.8	20.8		26.3	27.8	26.1	
100	8.76	13.98	16.18	24.98	19.09		17.16	21.08	25.95	
150	6.88			16.40						
200										
250										
300										
Avg.	7.8	14.0	16.2	20.7	19.1		17.2	21.1	25.9	
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 27								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		25.70	29.03	27.80			28.24	28.78	26.51
10		25.65	28.94	27.86			28.06	28.78	26.51
20		25.63	28.65	27.85			27.93	28.69	26.51
30		25.62	28.41	27.85			27.51	28.42	26.53
50		24.80	27.53	27.39			26.77	27.64	26.55
75		23.30	26.19	25.21			25.95	26.53	26.55
Avg.		25.1	28.1	27.3			27.4	28.1	26.5
100		21.40	24.93	23.00			25.06	25.51	26.35
150		18.90	21.44	19.79			23.08	23.70	23.70
200		17.00	18.04	18.44			20.16	19.08	21.00
250		15.15	16.28	17.54			17.03	15.19	19.02
300			14.86	16.54			14.30	13.06	16.46
Avg.		18.1	19.1	19.1			19.9	19.3	21.3
400				14.14				10.19	10.05
500				11.25				8.59	7.44
600									
800									
1000									
Avg.				12.7				9.4	8.7

Depth (m)	Station 28								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		25.80	28.88	27.69	23.49		28.39	28.21	25.94
10		25.75	28.86	27.77	23.46		28.39	28.21	25.93
20		25.68	28.84	27.75	23.44		28.19	28.21	25.93
30		25.63	28.32	27.62	23.47		27.99	27.95	25.91
50		24.39	27.33	27.06	23.49		27.04	27.38	25.77
75		22.61	26.26	25.32	23.41		25.59	26.59	25.40
Avg.		25.0	28.1	27.2	23.5		27.6	27.8	25.8
100		22.17	25.13	23.83	23.35		24.45	25.59	24.67
150		21.02	22.16	21.64	22.64		22.04	23.02	22.23
200		20.01	20.05	19.94	20.31		20.61	20.68	19.77
250		19.03	19.13	19.10	19.60		19.39	19.77	18.79
300		18.05	18.38	18.42	19.06		18.21	18.75	18.15
Avg.		20.1	21.0	20.6	21.0		20.9	21.6	20.7
400		16.05	16.80	17.57			16.02	16.36	16.69
500		13.95	15.38	16.11			14.06	13.54	14.20
600			13.92	13.54				10.96	11.93
800									
1000									
Avg.		15.0	15.4	15.7			15.0	13.6	14.3

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 29								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		25.80	29.28	27.44			27.86	28.30	26.57	
10		25.77	28.79	27.48			27.89	28.39	26.59	
20		25.75	28.63	27.21			27.83	28.37	26.61	
30		25.73	28.19	26.68			27.71	28.35	26.62	
50		24.77	27.23	25.48			27.16	28.33	26.63	
75		23.42	25.81	24.11			25.85	26.56	25.85	
Avg.		25.2	28.0	26.4			27.4	28.1	26.5	
100		22.28	24.36	22.60			23.43	24.95	25.09	
150		20.31	21.11	20.31			20.95	22.22	22.08	
200		19.61	19.17	19.41			19.78	19.86	20.03	
250		18.70	18.80	18.84			18.69	19.21	19.05	
300		17.61	18.11	18.32			17.36	18.63	17.95	
Avg.		19.7	20.3	19.9			20.0	21.0	20.8	
400		14.74	15.90	17.17				17.67	15.46	
500		10.44	13.00	15.24				15.90	13.06	
600			9.92	12.89				13.31	10.42	
800										
1000										
Avg.		12.6	12.9	15.1				15.6	13.0	

		Station 30								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		25.20	29.26				28.65	28.83	26.50	
10		24.98	29.36	27.85			23.64	28.88	26.52	
20		24.86	29.00	27.81			28.08	28.90	26.54	
30		24.53	28.57	27.80			27.35	28.91	26.56	
50		23.79	27.42	27.79			26.20	28.15	26.56	
75		22.18	25.48	24.55			24.81	26.70	26.53	
Avg.		24.3	28.2	27.2			27.3	28.4	26.5	
100		19.80	23.67	21.36			23.38	25.62	26.40	
150		17.95	20.52	19.29			20.80	21.41	22.75	
200		16.35	18.51	18.13			18.31	17.82	20.24	
250		14.36	17.09	17.34			15.97	15.38	18.54	
300		12.18	14.99	16.27			13.77	13.29	16.93	
Avg.		16.1	19.0	18.5			18.4	18.7	21.0	
400			11.78	13.26					10.05	
500				9.13						
600										
800										
1000										
Avg.			11.8	11.2					10.1	

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 31

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		22.74	28.70	26.37			27.94	27.67	
10		22.73	28.62	26.18			27.74	27.47	
20		22.66	28.47				27.42	23.50	
30		22.66	27.28				26.50	21.89	
50							22.84		
75									
Avg.		22.7	28.3	26.3			26.5	25.1	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 32

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	18.14	20.55	27.79	24.91			27.52	27.50	
10	18.15	20.52	27.73	24.69			26.73	27.54	
20	18.20	20.70	26.73	24.79			25.56	27.54	
30	18.15	20.81	26.67	24.81			25.45	27.52	
50									
75									
Avg.	18.2	20.6	27.2	24.8			26.3	27.5	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 33

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	15.61	19.93	27.73	24.25	15.48		27.61	27.92	
10	15.62	20.00	27.63	24.10	15.50		26.79	27.93	
20	15.65								
30									
50									
75									
Avg.	15.6	20.0	27.7	24.2	15.5		27.2	27.9	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 34

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	14.80	19.79	28.22	23.18	13.09		27.82	28.04	
10	14.83	19.80	28.16	23.36	13.01		27.82	28.07	
20									
30									
50									
75									
Avg.	14.8	19.8	28.2	23.3	13.1		27.8	28.1	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 35

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	14.20	22.11		23.66	12.76		28.03	28.18	16.98
10	14.11	20.90	28.70	23.67	13.15		27.99	28.20	16.86
20									
30									
50									
75									
Avg.	14.2	21.5	28.7	23.7	13.0		28.0	28.2	16.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 36

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	13.75	21.98	29.22	23.66	13.81		27.58	28.06	16.83
10	13.70	21.21	28.97	23.64	13.78		27.61	28.08	16.85
20									
30									
50									
75									
Avg.	13.7	21.6	29.1	23.7	13.8		27.6	28.1	16.8
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures ($^{\circ}\text{C}$), stations by cruise--Continued

		Station 37								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	16.27	22.78	28.01	24.14	14.40		27.41	28.02	19.34	
10	16.21	21.97	27.97	24.11	14.38		26.68	27.85	19.35	
20	16.24	21.23	26.52	24.20	14.35		26.47	27.78	19.38	
30	16.23									
50										
75										
Avg.	16.2	22.0	27.5	24.1	14.4		26.9	27.9	19.4	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

		Station 38								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	19.40	23.34	28.66	25.13	18.05		27.52	27.93	23.68	
10	19.21	23.26	28.58	25.11	18.02		27.37	27.90	23.72	
20	18.95	22.33	28.43	25.04	18.01		26.89	27.72	23.74	
30	17.93	18.27	25.05	25.02	18.02		25.71	27.45	23.70	
50										
75										
Avg.	18.9	21.8	27.7	25.1	18.0		26.9	27.7	23.7	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 39

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.10	25.74	28.30	26.43	23.38		28.79	28.66	24.30
10	23.94	25.59	28.24	26.43	23.34		28.06	28.48	24.39
20	23.93	24.75	27.48	26.42	23.07		27.71	27.98	24.40
30	23.04	23.77	25.91	26.42	22.44		27.15	27.23	24.39
50	21.35	22.40	21.50	26.40	21.27		25.53	23.91	24.18
75	19.73	19.84	16.59	25.54	19.96		23.00	20.26	23.52
Avg.	22.7	23.7	24.7	26.3	22.2		26.7	26.1	24.2
100	18.69	16.59	14.53	21.85			20.37	17.93	22.52
150	16.64	13.40	11.57	17.99			16.83	16.58	18.54
200	14.63	10.90	9.58	16.25			14.46	15.36	14.30
250	12.63		8.37	14.72			12.42	11.72	11.29
300	10.76		7.95	13.24			10.78		9.39
Avg.	14.7	13.6	10.4	16.8			15.0	15.4	15.2
400				10.48					
500									
600									
800									
1000									
Avg.				10.5					

Station 40

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.47	26.77	29.28	26.40	23.97		29.64		25.32
10	24.46	26.71	29.11	26.42	23.90		28.28		25.34
20	24.46	26.54	29.08	26.44	23.89		28.16		25.37
30	24.46	26.31	28.59	26.44	23.91		27.91		25.38
50	24.43	25.40	27.63	26.38	23.94		27.10		25.36
75	23.65	23.86	26.66	26.22	23.94		25.71		25.15
Avg.	24.3	25.9	28.4	26.4	23.9		27.8		25.3
100	22.71	23.00	25.27	25.20	23.83		23.75		24.53
150	21.08	21.16	21.27	22.65	22.28		21.83		21.42
200		19.49	19.93	21.91	20.16		19.77		18.90
250		18.43	18.99	21.12	18.92		17.91		17.04
300		17.82	18.05	19.77	17.10		16.95		15.62
Avg.	21.9	20.0	20.7	22.1	20.5		20.0		19.5
400		15.50	16.19		12.48		14.81		
500			14.52						
600									
800									
1000									
Avg.		15.5	15.4		12.5		14.8		

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 41								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.63	27.00	29.65	26.29	23.39		28.94		25.36
10	24.62	26.96	29.31	26.31	23.37		28.50		25.38
20	24.63	26.80	28.90	26.26	23.29		28.15		25.40
30	24.61	26.52	28.34	26.27	23.18		27.22		25.42
50	24.36	25.73	27.70	26.33	23.09		25.47		25.20
75	23.88	24.34	25.56	26.29	22.82		23.52		24.34
Avg.	24.5	26.2	28.2	26.3	23.2		27.0		25.2
100	23.20	22.49	23.57	25.27	21.14		20.56		22.54
150	21.30	19.29	18.41	21.73	16.92		15.45		20.30
200	19.42	15.99	15.39	18.97	14.15		12.84		16.70
250	18.44		12.77	15.85	12.25		11.40		12.74
300	17.62			13.61	11.05		10.30		10.84
Avg.	20.0	19.3	17.5	19.1	15.1		14.1		16.6
400					9.52				
500									
600									
800									
1000									
Avg.					9.5				

Depth (m)	Station 42								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	17.16	22.16	28.95	26.10	21.60		27.46		24.02
10	17.09	21.89	28.38	26.15	21.32		27.47		24.04
20	17.14	20.94	24.77	26.09	20.37		26.43		24.02
30	17.11	19.05	22.71	25.89	19.90		23.39		23.30
50	17.02	16.57	19.22	25.45	18.96		18.69		21.95
75	15.59	14.84	16.04	24.85	17.77		17.20		20.46
Avg.	16.9	19.2	23.3	25.8	20.0		23.4		23.0
100		13.30	14.00	24.47			15.08		19.18
150									
200									
250									
300									
Avg.		13.3	14.0	24.5			15.1		19.2
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 43

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	16.55	22.63	28.32	24.34	17.95		27.51	27.47	19.84
10	16.50	22.34	27.96	24.38	17.46		27.50	27.55	19.87
20	16.54	20.12	26.39	24.31	16.93		26.98	27.31	19.88
30				24.36					
50									
75									
Avg.	16.5	21.7	27.6	24.3	17.4		27.3	27.4	19.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 44

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	13.39	22.01	28.26	22.20	12.46		27.69	27.30	16.53
10	13.40	19.59	28.32	22.23	12.52		27.21	27.32	16.56
20									
30									
50									
75									
Avg.	13.4	20.8	28.3	22.2	12.5		27.5	27.3	16.5
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 45								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	13.50	22.04	28.18	22.08			27.78	26.39	15.34
10	13.48	19.04	27.85	22.14			27.37		15.35
20									
30									
50									
75									
Avg.	13.5	20.5	28.0	22.1			27.6	26.4	15.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Depth (m)	Station 46								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	13.30	22.31	28.19	21.74	12.45		28.56	26.17	15.85
10	13.16			21.80					15.95
20									
30									
50									
75									
Avg.	13.2	22.3	28.2	21.8	12.5		28.6	26.2	15.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 47

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	16.80	22.32	28.11	24.31	18.44		27.94	26.65	20.76
10	16.74	20.20	28.03	24.37	17.39		27.37	26.22	20.79
20	16.74	18.06	25.54	24.30	17.17		26.87	26.08	19.67
30									
50									
75									
Avg.	16.8	20.2	27.2	24.3	17.7		27.4	26.3	20.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 48

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	19.71	24.25	28.62	25.47	19.41		27.63	27.65	22.46
10	19.61	24.13	28.61	25.52	19.17		27.25	27.56	22.50
20	19.66	22.58	27.81	25.49	19.10		26.89	27.44	22.26
30	18.64	21.11	24.74	25.48	19.09		25.34	25.20	22.24
50	16.88	18.71	19.81	25.45	18.96		22.44	20.97	22.08
75	13.62	17.20	16.93	25.14	18.60		18.89	15.76	21.83
Avg.	18.0	21.3	24.4	25.4	19.1		24.7	24.1	22.2
100	12.25	15.86	14.59	24.70	17.98		16.35	11.82	20.96
150	11.18	13.73	11.51	16.73	15.97		14.27	7.76	17.36
200	10.69	10.46					12.86	7.45	
250		8.53							
300		6.76							
Avg.	11.4	11.1	13.1	20.7	17.0		14.5	9.0	19.2
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 49								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	23.64	23.77	28.69	26.23	23.27		27.77	28.33	23.82
10	23.59	23.76	28.70	26.31	23.24		27.65	28.32	23.39
20	22.35	23.58	28.64	26.25	23.23		27.27	28.32	23.09
30	20.70	22.52	28.59	26.24	22.91		25.71	28.31	22.97
50	18.34	19.96	27.38	26.20	21.26		22.90	28.22	22.73
75	17.81	16.42	24.82	23.89	19.73		19.84	26.08	22.43
Avg.	21.1	21.7	27.8	25.9	22.3		25.2	27.9	23.1
100	17.30	14.63	21.71	21.32	18.52		17.59	23.05	20.76
150	15.23	12.39	14.21	17.89	16.96		15.56	16.12	15.76
200	12.45	9.25		15.82	15.46		13.58		12.81
250	9.78	7.11		14.48	13.85		11.84		11.17
300				13.37			10.34		
Avg.	13.7	10.8	18.0	16.6	16.2		13.8	19.6	15.1
400									
500									
600									
800									
1000									
Avg.									

Depth (m)	Station 50								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.20		29.30	26.24	23.91		28.63	28.26	25.49
10	24.15		29.32	26.25	23.91		28.58	28.29	25.51
20	24.18		29.33	26.21	23.87		27.62	28.25	25.54
30	24.19		29.01	26.20	23.87		26.95	28.24	25.56
50	24.15		28.23	26.20	23.84		26.04	28.09	25.57
75	24.01		26.99	25.50	23.46		25.31	27.07	25.57
Avg.	24.1		28.7	26.1	23.8		27.2	28.0	25.5
100	23.32		25.00	24.93	22.49		21.21	24.98	25.37
150	20.63		21.65	22.70	21.05		16.38	21.19	22.99
200	18.51		20.59	21.37	18.77		14.40	19.60	19.78
250	16.83		18.52	18.99	16.56		12.62	18.70	15.65
300	15.45		17.26	16.88	15.40		10.93	17.86	12.25
Avg.	18.9		20.6	21.0	18.9		15.1	20.5	19.2
400	13.18		15.75	15.22	11.80			15.73	8.49
500	11.06		12.78	13.99				13.55	
600				11.24					
800									
1000									
Avg.	12.1		14.3	13.5	11.8			14.6	8.5

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 51

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.03		29.14	26.44	21.46		27.42	28.29	24.23
10	23.91		29.19	26.50	21.51		27.45	28.28	24.24
20	23.93		29.06	26.22	21.47		26.40	28.27	24.25
30	23.96		28.70	26.19	21.15		24.50	28.28	24.27
50	23.50		27.75	26.09	20.55		21.40	28.28	23.85
75	21.90		26.60	25.49	19.99		18.31	28.27	23.23
Avg.	23.5		28.4	26.2	21.0		24.2	28.3	24.0
100	19.90		25.69	24.32	18.56		15.79	27.98	21.63
150	16.19		23.75	20.86	14.39		13.09	26.63	16.81
200	14.23		22.24	18.23	12.49		11.38	20.90	13.26
250			20.81	16.57	10.85		10.15	16.02	10.77
300			19.42	15.13	9.49		9.39	12.59	9.52
Avg.	16.8		22.4	19.0	13.2		12.0	20.8	14.4
400				12.45	7.56		7.68	9.18	
500				9.11	6.46				
600									
800									
1000									
Avg.				10.8	7.0		7.7	9.2	

Station 52

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	19.12		29.19	25.52	20.89		27.54	27.22	22.55
10	18.94		29.25	25.62	20.92		27.51	27.14	22.57
20	18.94		29.23	25.60	20.75		26.30	27.10	22.58
30	18.19		29.08	25.58	20.26		23.54	24.93	22.58
50	15.23		27.65	25.47	19.42		19.32	21.06	22.57
75	13.25			22.48	18.91		17.68	16.87	19.79
Avg.	17.3		28.9	25.0	20.2		23.6	24.1	22.1
100	12.35			20.05	18.18		16.30	14.04	17.25
150	10.88			16.85	16.09		14.36	12.45	12.86
200	9.84			14.58	12.59		12.19	11.63	9.53
250	9.38			12.90	11.23		10.34	10.36	9.04
300				12.11	10.18		8.81	8.64	8.75
Avg.	10.6			15.3	13.7		12.4	11.4	11.5
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 53								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	20.18	24.57	28.11	25.67	19.85		27.71	28.02	22.79	
10	20.08	24.59	28.16	25.71	19.80		27.27	27.68	22.81	
20	19.73	24.60	28.52	25.71	19.78		26.27	27.62	22.80	
30	18.04	23.99	26.47	25.70	19.72		24.66	24.82	22.79	
50	17.18	22.62	22.75	25.69	19.61		21.90	20.30	22.78	
75	14.73	20.42	18.77	25.00	18.74		19.53	17.64	19.54	
Avg.	18.3	23.5	25.5	25.6	19.6		24.6	24.3	22.3	
100	13.25	18.36	16.00	22.99	17.86		17.65	15.33	17.28	
150	11.14	14.64		18.80	16.11		15.40	11.76	15.72	
200										
250										
300										
Avg.	12.2	16.5	16.0	20.9	17.0		16.5	13.5	16.5	
400										
500										
600										
800										
1000										
Avg.										

		Station 54								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	14.12	22.03	28.16	24.39	18.56		27.53	26.67	21.34	
10	15.55	22.04	27.91	24.35	18.53		27.51	26.24	21.38	
20	15.62	21.00	24.79	23.75	17.41		27.06	26.18	21.26	
30										
50										
75										
Avg.	15.1	21.7	27.0	24.2	18.2		27.4	26.4	21.3	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 55								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	13.35	22.35	28.47	21.96	14.30		27.18	26.25	16.68	
10	13.29	20.34	28.22	21.90	14.02		27.17	26.22	16.68	
20										
30										
50										
75										
Avg.	13.3	21.3	28.3	21.9	14.2		27.2	26.2	16.7	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

		Station 56								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		21.26	28.80	21.04	10.97		27.98	25.58	13.61	
10										
20										
30										
50										
75										
Avg.		21.3	28.8	21.0	11.0		28.0	25.6	13.6	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 57								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	12.10	21.47	28.23	21.96			27.66	25.88	16.38
10	14.14	21.00	28.57	21.88			27.68	25.91	16.40
20									
30									
50									
75									
Avg.	13.1	21.2	28.4	21.9			27.7	25.9	16.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Depth (m)	Station 58								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	12.67	21.24	28.31	21.58	14.22		27.29	25.67	16.44
10	12.81	19.41	28.28	21.57	14.16		27.19	25.71	16.45
20									
30									
50									
75									
Avg.	12.7	20.3	28.3	21.6	14.2		27.2	25.7	16.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 59								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	18.10	21.39	27.56	22.21	17.58		26.80	25.39	21.38	
10	18.21	21.00	27.53	21.99	17.59		26.80	25.50	21.41	
20	18.22				17.56		24.37		21.08	
30										
50										
75										
Avg.	18.2	21.2	27.5	22.1	17.6		26.0	25.4	21.3	
100										
150										
200										
250										
300										
Avg.										
400										
500										
600										
800										
1000										
Avg.										

		Station 60								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	20.38	21.75	27.91	25.50			27.51	27.84	22.72	
10	20.24	21.73	27.85	25.52			27.40	27.90	22.73	
20	19.99	22.41	27.79	25.53			27.29	27.77	22.75	
30	19.88	21.11	24.72	25.59			25.44	24.79	22.75	
50	17.40	19.15	20.11	25.61			22.48	19.94	22.74	
75	16.71	17.89	18.07	24.73			20.84	16.75	21.91	
Avg.	19.1	20.7	24.4	25.4			25.2	24.2	22.6	
100	15.87	16.00	16.38	23.45			19.44	14.32	20.74	
150		14.12	13.67	19.65			17.35	11.74	17.38	
200		12.33					14.97	9.45	15.38	
250										
300										
Avg.	15.9	14.1	15.0	21.5			17.3	11.8	17.8	
400										
500										
600										
800										
1000										
Avg.										

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 61								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	20.17	24.08	27.91	24.68	20.28		28.19	28.16	25.03	
10	20.10	23.61	27.93	24.74	20.29		28.19	28.06	25.04	
20	19.36	23.58	27.92	24.72	20.26		27.37	27.92	25.03	
30	19.14	21.29	27.91	24.72	20.25		26.12	27.70	24.99	
50	17.87	17.25	24.43	24.84	20.24		23.80	25.99	24.65	
75	17.30	13.22	19.13	23.56	19.69		21.24	22.68	23.54	
Avg.	19.0	20.5	25.9	24.5	20.2		25.8	26.8	24.7	
100	16.57	11.15	16.37	22.44	18.07		18.99	19.04	21.74	
150	12.81	9.72	13.09	20.70	13.96		15.39	14.38	18.89	
200	11.26	8.82	11.79	17.82	12.13		13.66	11.55	14.80	
250	9.64	8.25	10.48	16.12	10.22		12.05	9.86	13.27	
300		7.93		14.52	8.68		10.72		11.15	
Avg.	12.6	9.2	12.9	18.3	12.6		14.2	13.7	16.0	
400		7.59		11.65			8.89			
500										
600										
800										
1000										
Avg.		7.6		11.7			8.9			

		Station 62								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	24.16	26.00	28.81	24.88	21.05		27.88	28.23	25.34	
10	24.14	25.80	28.81	24.92	21.09		27.90	28.26	25.38	
20	24.15	25.75	28.66	24.91	21.07		27.49	28.25	25.38	
30	24.14	25.48	28.34	24.86	20.98		26.75	28.24	25.37	
50	24.13	24.66	27.95	24.69	20.78		24.14	28.13	25.34	
75	23.97	22.99	27.25	24.29	20.52		21.36	27.55	25.29	
Avg.	24.1	25.1	28.3	24.8	20.9		25.9	28.1	25.3	
100	23.31	21.56	26.11	23.92	19.10		19.41	26.18	24.27	
150	21.50	19.87	22.52	21.48	15.06		16.60	23.38	20.64	
200	19.55	17.79	19.55	19.50	12.61		15.24	20.96	18.85	
250	18.55	17.00	17.11	18.20	10.79		13.59	18.50	17.56	
300	17.67	16.37	13.68	16.96	9.73		12.34	17.30	16.46	
Avg.	20.1	18.5	19.8	20.0	13.5		15.4	21.3	19.6	
400	15.75	15.19		14.64	7.84		10.23	14.39	14.19	
500	13.12			12.15	6.06			10.37	11.40	
600	9.99			9.87				7.38		
800										
1000										
Avg.	13.0	15.2		12.2	6.9		10.2	10.7	12.8	

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 63

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		25.04	28.42	25.79	22.47		27.94	27.94	25.32
10		24.90	28.44	25.76	22.49		27.97	28.13	25.36
20		24.79	28.08	25.75	22.52		27.71	28.12	25.38
30		24.69	27.52	25.76	22.45		27.23	28.08	25.39
50		23.49	26.69	25.79	21.87		25.86	27.75	25.39
75		21.35	25.25	25.14	20.21		24.52	26.77	25.39
Avg.		24.0	27.4	25.7	22.0		26.9	27.8	25.4
100		18.15	23.09	24.30	18.49		23.42	24.68	24.97
150		14.77	19.29	21.15	15.06		20.64	21.29	21.66
200			16.34	19.04	12.53		18.95	19.51	19.49
250			14.34	18.52	11.05		18.07	18.22	17.98
300			12.67	17.96	9.74		17.27	16.98	15.02
Avg.		16.5	17.1	20.2	13.4		19.7	20.1	19.8
400				16.73	7.87		14.69	12.95	10.17
500				14.91	7.03				
600				12.07	5.97				
800									
1000									
Avg.				14.6	7.0		14.7	12.9	10.2

Station 64

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		23.62	27.62	25.47	21.39		28.28	28.31	
10		23.55	27.95	25.51	21.40		28.30	28.29	
20		19.50	27.91	25.49	21.36		27.88	28.26	
30		19.20	26.36	25.46	21.09		27.09	28.27	
50		18.69	23.58	25.42	20.59		25.50	28.00	
75			20.73	25.40	20.14		23.67	26.71	
Avg.		20.9	25.7	25.5	21.0		26.8	28.0	
100			18.41	25.37	19.16		22.21	24.55	
150			15.21	23.81	16.18		18.90	17.60	
200			13.21	20.22	13.44		16.30	13.33	
250			11.90	17.59					
300				14.37					
Avg.			14.7	20.3	16.3		19.1	18.5	
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 65								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		21.94	27.71	24.84	20.75		27.36	26.59	22.13
10		21.98	27.56	24.85	20.76		27.31	26.61	22.15
20		21.69	27.55	24.86	20.73		26.92	26.57	22.12
30		20.17	25.76	24.65	20.64		25.40	26.59	22.15
50									
75									
Avg.		21.4	27.1	24.8	20.7		26.7	26.6	22.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Depth (m)	Station 66								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		21.20	27.07	20.73	18.26		27.16	25.85	18.73
10		20.83	27.18	20.78	18.24		27.15	25.85	18.76
20		19.46	23.99	20.75	14.30		25.90		18.76
30									
50									
75									
Avg.		20.5	26.1	20.8	16.9		26.7	25.9	18.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 67

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		20.63	27.79	18.96	12.14		27.23	25.85	15.67
10		19.50	27.73	18.96	11.91		27.23	25.73	15.64
20									
30									
50									
75									
Avg.		20.1	27.8	19.0	12.0		27.2	25.8	15.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 68

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		21.14	27.45	19.02	14.00		27.25	25.96	14.39
10		20.32	27.48	19.06	13.12		27.93	25.65	14.45
20									
30									
50									
75									
Avg.		20.7	27.5	19.0	13.6		27.6	25.8	14.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 69

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	13.64	21.02	27.53	15.85	11.43		27.06	26.32	13.14
10	13.56	20.29	27.57	17.23	11.51		27.14	25.54	13.16
20									
30									
50									
75									
Avg.	13.6	20.7	27.5	16.5	11.5		27.1	25.9	13.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 70

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	15.90	20.78	27.47	19.81	18.45		26.88	26.49	18.70
10	15.20	20.14	27.48	19.83	18.45		26.64	25.92	18.58
20	14.54	19.21	27.34	19.87	18.41		24.82	25.89	18.58
30									
50									
75									
Avg.	15.2	20.0	27.4	19.8	18.4		26.1	26.1	18.6
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 71								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	20.81	25.23	28.15		21.60		27.88	26.77	22.31
10	20.37	25.27	28.19		21.60		28.01	26.72	22.30
20	20.00	25.00	28.15		21.49		27.77	26.71	22.26
30	19.74	24.90	25.96		21.23		27.12	26.54	22.23
50		24.36	22.39		20.78		25.73	25.62	22.18
75		23.06	19.42		20.38		23.83	21.73	22.11
Avg.	20.2	24.6	25.4		21.2		26.7	25.7	22.2
100		21.48			20.14		21.76	15.13	22.03
150									
200									
250									
300									
Avg.		21.5			20.1		21.8	15.1	22.0
400									
500									
600									
800									
1000									
Avg.									

Depth (m)	Station 72								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	24.15	25.40	28.70				28.18	28.27	24.65
10	24.12	25.44	28.69				28.20	28.26	24.64
20	24.11	25.23	28.69				28.22	28.22	24.62
30	24.08	24.42	28.44				27.27	28.23	24.53
50	23.95	23.25	26.62				25.59	28.23	24.37
75	23.36	21.60	24.22				23.99	27.68	24.22
Avg.	24.0	24.2	27.6				26.9	28.1	24.5
100	22.64	19.85	22.14				22.32	26.27	23.61
150	20.72	14.95	19.48				19.22	21.82	21.60
200	19.03	13.58	17.49				17.80	17.54	19.00
250	17.85	12.80					16.69	13.19	17.53
300	16.84	12.02					15.18		14.60
Avg.	19.4	14.6	19.7				18.2	19.7	19.3
400	15.00	8.88					11.55		
500	13.14						9.09		
600									
800									
1000									
Avg.	14.1	8.9					10.3		

Table 1.--Temperatures (°C), stations by cruise--Continued

		Station 73								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0		25.74					27.12	28.09		
10		25.74					27.16	28.17		
20		25.77					27.17	28.15		
30		25.67					27.18	28.15		
50		25.21					24.84	28.09		
75		23.75					22.08	27.98		
Avg.		25.3					25.9	28.1		
100		22.63					20.54	27.00		
150		21.39					19.16	25.33		
200		20.08					18.45	20.48		
250		18.80					18.24	15.30		
300		18.18					17.81	12.90		
Avg.		20.2					18.8	20.2		
400		16.31					17.03	10.19		
500							15.31	8.89		
600							13.28	7.83		
800							8.98			
1000										
Avg.		16.3					13.7	9.0		

		Station 74								
Depth (m)	Cruise									
	1	2	3	4	5	6	7	8	9	
0	23.44	25.98					27.70	26.81		
10	23.57	25.98					27.72	26.81		
20	23.50	25.98					27.75	26.72		
30	23.40	25.63					26.99	26.61		
50	23.15	24.85					25.59	25.65		
75	22.45	23.66					24.06	21.78		
Avg.	23.3	25.3					26.6	25.7		
100	20.85	22.48					22.67	17.90		
150	17.13	20.10					20.32	14.36		
200		18.29					18.67	12.31		
250		17.29					18.13	11.13		
300		15.46					16.64	10.05		
Avg.	19.0	18.7					19.3	13.1		
400		11.79					13.59	8.21		
500		7.35					10.30	6.21		
600		5.33					6.44			
800		4.18								
1000		4.00								
Avg.		6.5					10.1	7.2		

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 75

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0	16.87	21.25	28.31	23.71	21.59			26.67	
10	16.94	21.24	28.31	23.73	21.59			26.72	
20	17.15	20.74	28.43	23.67	20.89			26.51	
30		19.99	25.12	23.35	20.17			23.50	
50									
75									
Avg.	17.0	20.8	27.5	23.6	21.1			25.9	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 76

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		19.85	27.34	17.34	15.58		25.14		
10		19.84	27.25	17.37	16.56		25.08		
20									
30									
50									
75									
Avg.		19.8	27.3	17.4	16.1		25.1		
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Depth (m)	Station 77								
	Cruise								
	1	2	3	4	5	6	7	8	9
0	14.65	20.05	27.15	16.52	14.77		25.02	25.79	
10		20.04	27.23	16.50	14.76		24.96	25.84	
20			26.94		16.05		24.59	25.43	
30									
50									
75									
Avg.	14.7	20.0	27.1	16.5	15.2		24.9	25.7	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Depth (m)	Station 78								
	Cruise								
	1	2	3	4	5	6	7	8	9
0		19.96					26.42	25.98	
10		19.94					26.58	25.68	
20		19.76					26.29	24.80	
30									
50									
75									
Avg.		19.9					26.4	25.5	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 79

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		25.35					27.31	28.27	
10		25.36					27.46	28.15	
20		25.38					27.43	28.10	
30		25.37					27.46	27.88	
50		24.66					26.92	26.67	
75		22.98					24.47	25.81	
Avg.		24.9					26.8	27.5	
100		21.41					22.85	20.64	
150		18.50					21.03	15.46	
200		15.85					19.70	13.64	
250		13.48					18.66	12.36	
300		11.41					17.98	10.10	
Avg.		16.1					20.0	14.4	
400							14.48		
500							10.38		
600							7.21		
800									
1000									
Avg.							10.7		

Station 80

Depth (m)	Cruise								
	1	2	3	4	5	6	7	8	9
0		25.69					27.57	28.16	
10		25.65					27.59	28.16	
20		25.64					27.55	28.10	
30		25.64					27.03	28.07	
50		25.40					25.84	27.82	
75		23.63					23.95	26.73	
Avg.		25.3					26.6	27.8	
100		22.30					22.56	25.27	
150		20.83					20.77	21.85	
200		19.73					19.10	20.08	
250		19.00					18.48	19.09	
300		18.27					18.07	16.61	
Avg.		20.0					19.8	20.6	
400		16.88					17.51	13.86	
500		15.03					15.78		
600		12.44					12.62		
800		7.15					8.78		
1000		4.73					5.67		
Avg.		11.2					12.1	13.9	

Table 2.--Temperatures (°C), by section, cruise 1

Depth (m)	Jupiter Section			Vero Section		
	3	2	1	5	6	7
0	20.53	24.80	24.30	20.73	24.52	24.27
10	20.54	24.70	24.29	20.40	24.51	24.28
20		24.64	24.27	18.81	24.51	24.33
30		24.65	24.26	15.93	24.51	24.27
50		24.29	24.23		24.38	24.27
75		22.74	24.15		23.50	24.22
Avg.	20.5	24.3	24.3	19.0	24.3	24.3
100		21.14	24.01		22.80	24.11
150		18.23	22.02		21.96	22.35
200		16.29	20.36		18.83	20.41
250		14.72	19.11		14.56	18.17
300		12.97	18.02		11.48	16.44
Avg.		16.7	20.7		17.9	20.3
400		9.48	16.30			
500			13.80			
600						
Avg.		9.5	15.1			

Depth (m)	Canaveral Section				Ponce de Leon Section			
	11	10	9	8	13	14	15	16
0	18.15			24.44				
10	18.18			24.48				
20				24.48				
30				24.47				
50				24.46				
75				24.40				
Avg.	18.2			24.5				
100				24.20				
150				21.42				
200				19.35				
250				17.68				
300				16.25				
Avg.				19.8				
400				13.73				
500				11.42				
600				9.30				
800								
Avg.				11.5				

Table 2-- Temperatures (°C), by section, cruise 1--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	21	20	19	18	17	23	24	25	26	27	28
0						16.11	17.27	18.18	20.94		
10						15.73	17.28	18.19	20.91		
20							17.30	18.22	20.91		
30								18.16	20.55		
50									18.00		
75									12.02		
Avg.						15.9	17.3	18.2	18.9		
100									8.76		
150									6.88		
200											
250											
300											
Avg.									7.8		
400											
500											
600											
Avg.											

Depth (m)	Brunswick Section						Savannah Section				
	34	33	32	31	30	29	36	37	38	39	40
0	14.80	15.61	18.14				13.75	16.27	19.40	24.10	24.47
10	14.83	15.62	18.15				13.70	16.21	19.21	23.94	24.46
20		15.65	18.20					16.24	18.95	23.93	24.46
30			18.15					16.23	17.93	23.04	24.46
50										21.35	24.43
75										19.73	23.65
Avg.	14.8	15.6	18.2				13.7	16.2	18.9	22.7	24.3
100										18.69	22.71
150										16.64	21.08
200										14.63	
250										12.63	
300										10.76	
Avg.										14.7	21.9
400											
500											
600											
Avg.											

Table 2.--Temperatures (°C), by section, cruise 1--Continued

Depth (m)	Charleston Section					Cape Romain Section					
	Stations					Stations					
	44	43	42	41	40	46	47	48	49	50	
0	13.39	16.55	17.16	24.63	24.47	13.30	16.80	19.71	23.64	24.20	
10	13.40	16.50	17.09	24.62	24.46	13.16	16.74	19.61	23.59	24.15	
20		16.54	17.14	24.63	24.46		16.74	19.66	22.35	24.18	
30			17.11	24.61	24.46			18.64	20.70	24.19	
50			17.02	24.36	24.43			16.88	18.34	24.15	
75			15.59	23.88	23.65			13.62	17.81	24.01	
Avg.	13.4	16.5	16.9	24.5	24.3	13.2	16.8	18.0	21.1	24.1	
100				23.20	22.71			12.25	17.30	23.32	
150				21.30	21.08			11.18	15.23	20.63	
200				19.42				10.69	12.45	18.51	
250				18.44					9.78	16.83	
300				17.62						15.45	
Avg.				20.0	21.9			11.4	13.7	18.9	
400										13.18	
500										11.06	
600											
Avg.										12.1	
Long Bay Section						Cape Fear Section					
Depth (m)	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0		13.35	14.12	20.18	19.12	24.03	12.67	18.10	20.38	20.17	24.16
10		13.29	15.55	20.08	18.94	23.91	12.81	18.21	20.24	20.10	24.14
20			15.62	19.73	18.94	23.93		18.22	19.99	19.36	24.15
30				18.04	18.19	23.96			19.88	19.14	24.14
50				17.18	15.23	23.50			17.40	17.87	24.13
75				14.73	13.25	21.90			16.71	17.30	23.97
Avg.		13.3	15.1	18.3	17.3	23.5	12.7	18.2	19.1	19.0	24.1
100				13.25	12.35	19.90			15.87	16.57	23.31
150				11.14	10.88	16.19				12.81	21.50
200					9.84	14.23				11.26	19.55
250					9.38					9.64	18.55
300											17.67
Avg.				12.2	10.6	16.8			15.9	12.6	20.1
400											15.75
500											13.12
600											9.99
Avg.											13.0

Table 2.--Temperatures (°C), by section, cruise 1--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0						13.64	15.90	20.81	24.15
10						13.56	15.20	20.37	24.12
20							14.54	20.00	24.11
30								19.74	24.08
50									23.95
75									23.36
Avg.						13.6	15.2	20.2	24.0
100									22.64
150									20.72
200									19.03
250									17.85
300									16.84
Avg.									19.4
400									15.00
500									13.14
600									
Avg.									14.1

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0		16.87	23.44				
10		16.94	23.57				
20		17.15	23.50				
30			23.40				
50			23.15				
75			22.45				
Avg.		17.0	23.3				
100			20.85				
150			17.13				
200							
250							
300							
Avg.			19.0				
400							
500							
600							
800							
1000							
Avg.							

Table 3.--Temperatures ($^{\circ}\text{C}$), by section, cruise 2

Depth (m)	Jupiter Section			Vero Section		
	3	2	1	5	6	7
0	22.91	25.22	26.70	23.90	26.21	25.90
10	22.86	25.20	26.03	23.56	25.93	25.90
20		25.15	25.99	20.70	25.90	25.90
30		24.84	25.98	18.99	25.88	25.88
50		23.49	25.96		25.55	25.82
75		20.92	25.47		23.57	25.12
Avg.	22.9	24.1	26.0	21.8	25.5	25.8
100		17.94	24.57		21.66	23.93
150		12.61	21.59		18.93	21.13
200			19.05		16.90	19.64
250			17.11		14.42	18.36
300			15.40			17.15
Avg.		15.3	19.5		18.0	20.0
400			12.18			14.38
500						
600						
Avg.			12.2			14.4

Depth (m)	Canaveral Section				Ponce de Leon Section			
	11	10	9	8	13	14	15	16
0	22.73	24.20	25.65	25.90		24.97	26.00	25.70
10		23.52	25.66	25.93	21.65	25.00	26.02	25.76
20		19.73	25.65	25.96		24.95	26.03	25.78
30			25.60	25.96		24.90	26.01	24.85
50			24.59	25.93			26.00	23.59
75			22.56	24.74			25.34	23.31
Avg.	22.7	22.5	25.0	25.7	21.7	25.0	25.9	24.8
100			21.10	23.31			24.68	22.88
150			19.05	20.46			22.20	21.48
200			16.87	19.49			19.88	19.92
250				18.27			19.07	19.08
300				17.09			18.19	18.32
Avg.			19.0	19.7			20.8	20.3
400				14.65			16.43	16.58
500				11.91			13.94	13.88
600				9.56			10.73	11.53
800								
Avg.				12.0			13.7	14.0

Table 3.--Temperatures (°C), by section, cruise 2--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0	21.11	21.75	22.68	25.80	26.00	20.75	21.19	21.62	23.24	25.70	25.80
10	21.03	21.74	22.72	25.75	25.96	20.55	21.18	21.65	23.23	25.65	25.75
20		21.30	22.74	25.72	25.51		21.09	21.17	23.16	25.63	25.68
30			20.18	25.51	24.77				22.94	25.62	25.63
50				24.48	23.83				21.51	24.80	24.39
75				22.33	23.08				18.02	23.30	22.61
Avg.	21.1	21.6	22.1	24.9	24.9	20.7	21.2	21.5	22.0	25.1	25.0
100				20.32	22.47				13.98	21.40	22.17
150				18.33	20.73					18.90	21.02
200					19.82					17.00	20.01
250					18.95					15.15	19.03
300					17.97						18.05
Avg.				19.3	20.0				14.0	18.1	20.1
400					15.54						16.05
500					12.84						13.95
600					9.93						
Avg.					12.8						15.0

Depth (m)	Brunswick Section						Savannah Section				
	Stations						Stations				
	34	33	32	31	30	29	36	37	38	39	40
0	19.79	19.93	20.55	22.74	25.20	25.80	21.98	22.78	23.34	25.74	26.77
10	19.80	20.00	20.52	22.73	24.98	25.77	21.21	21.97	23.26	25.59	26.71
20			20.70	22.66	24.86	25.75		21.23	22.33	24.75	26.54
30			20.81	22.66	24.53	25.73			18.27	23.77	26.31
50					23.79	24.77				22.40	25.40
75					22.18	23.42				19.84	23.86
Avg.	19.8	20.0	20.6	22.7	24.3	25.2	21.6	22.0	21.8	23.7	25.9
100					19.80	22.28				16.59	23.00
150					17.95	20.31				13.40	21.16
200					16.35	19.61				10.90	19.49
250					14.36	18.70					18.43
300					12.18	17.61					17.82
Avg.					16.1	19.7				13.6	20.0
400						14.74					15.50
500						10.44					
600											
Avg.						12.6					15.5

Table 3.--Temperatures (°C), by section, cruise 2--Continued

Depth (m)	Charleston Section					Cape Romain Section				
	Stations					Stations				
	44	43	42	41	40	46	47	48	49	50
0	22.01	22.63	22.16	27.00	26.77	22.31	22.32	24.25	23.77	
10	19.59	22.34	21.89	26.96	26.71		20.20	24.13	23.76	
20		20.12	20.94	26.80	26.54		18.06	22.58	23.58	
30			19.05	26.52	26.31			21.11	22.52	
50			16.57	25.73	25.40			18.71	19.96	
75			14.84	24.34	23.86			17.20	16.42	
Avg.	20.8	21.7	19.2	26.2	25.9	22.3	20.2	21.3	21.7	
100			13.30	22.49	23.00			15.86	14.63	
150				19.29	21.16			13.73	12.39	
200				15.99	19.49			10.46	9.25	
250					18.43			8.53	7.11	
300					17.82			6.76		
Avg.			13.3	19.3	20.0			11.1	10.8	
400					15.50					
500										
600										
Avg.					15.5					

Depth (m)	Long Bay Section						Cape Fear Section				
	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0	21.26	22.35	22.03	24.57			21.24	21.39	21.75	24.08	26.00
10		20.34	22.04	24.59			19.41	21.00	21.73	23.61	25.80
20			21.00	24.60					22.41	23.58	25.75
30				23.99					21.11	21.29	25.48
50				22.62					19.15	17.25	24.66
75				20.42					17.89	13.22	22.99
Avg.	21.3	21.3	21.7	23.5			20.3	21.2	20.7	20.5	25.1
100				18.36					16.00	11.15	21.56
150				14.64					14.12	9.72	19.87
200									12.33	8.82	17.79
250										8.25	17.00
300										7.93	16.37
Avg.				16.5					14.1	9.2	18.5
400										7.59	15.19
500											
600											
Avg.										7.6	15.2

Table 3.--Temperatures (°C), by section, cruise 2--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	20.63	21.20	21.94	23.62	25.04	21.02	20.78	25.23	25.40
10	19.50	20.83	21.98	23.55	24.90	20.29	20.14	25.27	25.44
20		19.46	21.69	19.50	24.79		19.21	25.00	25.23
30			20.17	19.20	24.69			24.90	24.42
50				18.69	23.49			24.36	23.25
75					21.35			23.06	21.60
Avg.	20.1	20.5	21.4	20.9	24.0	20.7	20.0	24.6	24.2
100					18.15			21.48	19.85
150					14.77				14.95
200									13.58
250									12.80
300									12.02
Avg.					16.5			21.5	14.6
400									8.88
500									
600									
Avg.									8.9

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0	19.85	21.25	25.98	25.74	19.96	25.35	25.69
10	19.84	21.24	25.98	25.74	19.94	25.36	25.65
20		20.74	25.98	25.77	19.76	25.38	25.64
30		19.99	25.63	25.67		25.37	25.64
50			24.85	25.21		24.66	25.40
75			23.66	23.75		22.98	23.63
Avg.	19.8	20.8	25.3	25.3	19.9	24.9	25.3
100			22.48	22.63		21.41	22.30
150			20.10	21.39		18.50	20.83
200			18.29	20.08		15.85	19.73
250			17.29	18.80		13.48	19.00
300			15.46	18.18		11.41	18.27
Avg.			18.7	20.2		16.1	20.0
400			11.79	16.31			16.88
500			7.35				15.03
600			5.33				12.44
800			4.18				7.15
1000			4.00				4.73
Avg.			6.5	16.3			11.2

Table 4.--Temperatures (°C), by section, cruise 3

Depth (m)	Jupiter Section			Vero Section		
	3	2	1	5	6	7
0	27.72	28.91	28.80	27.94	28.70	28.66
10	27.93	28.81	28.67	25.60	28.69	28.66
20		28.75	28.51	22.20	28.68	28.68
30		28.50	28.12	21.02	28.52	28.38
50		27.70	27.23		27.97	27.57
75		26.21	25.88		26.93	25.93
Avg.	27.8	28.1	27.9	24.2	28.2	28.0
100		24.42	24.57		25.70	24.38
150		20.77	22.09		21.48	22.21
200		17.98	20.05		18.85	19.90
250		14.87	19.11		15.96	18.72
300			18.37		12.86	18.36
Avg.		19.5	20.8		19.0	20.7
400			16.65			16.85
500						13.16
600						
Avg.			16.7			15.0

Depth (m)	Canaveral Section				Ponce de Leon Section			
	11	10	9	8	13	14	15	16
0	27.47	27.77	29.12	28.82	27.18	28.45	29.37	28.88
10		27.17	29.04	28.81	27.14	28.28	29.07	28.95
20		22.12	28.94	28.50		27.24	28.85	28.87
30			28.56	28.03		22.86	28.51	28.45
50			27.91	27.35		21.51	27.72	27.65
75			26.72	26.85			26.76	26.77
Avg.	27.5	25.7	28.4	28.1	27.2	25.7	28.4	28.3
100			24.87	25.90			26.01	25.82
150			17.64	22.63			24.26	23.34
200				20.70			21.52	21.27
250				19.44			18.25	19.71
300				17.79			14.70	18.40
Avg.			21.3	21.3			20.9	21.7
400				15.38			11.02	16.55
500				12.66				14.09
600				10.19				10.77
800								8.14
Avg.				12.7			11.0	12.4

Table 4.--Temperatures (°C), by section, cruise 3--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	21	20	19	18	17	23	24	25	26	27	28
0	27.34	27.49	27.78	29.21	29.04	28.20	27.71	27.99	28.10	29.03	28.88
10	26.81	27.30	27.81	29.11	28.90	27.67	27.26	27.72	28.15	28.94	28.86
20		27.23	27.81	28.91	28.67		27.05	26.16	27.84	28.65	28.84
30			25.57	28.50	28.39				27.43	28.41	28.32
50				27.57	27.78				24.96	27.53	27.33
75				26.25	26.94				19.72	26.19	26.26
Avg.	27.1	27.3	27.2	28.3	28.3	27.9	27.3	27.3	26.0	28.1	28.1
100				24.75	25.74				16.18	24.93	25.13
150				19.67	22.91					21.44	22.16
200				14.30	20.78					18.04	20.05
250					19.45					16.28	19.13
300					18.30					14.86	18.38
Avg.				19.6	21.4				16.2	19.1	21.0
400					16.22						16.80
500					12.70						15.38
600					9.85						13.92
Avg.					12.9						15.4

Depth (m)	Brunswick Section					Savannah Section					
	34	33	32	31	30	29	36	37	38	39	40
0	28.22	27.73	27.79	28.70	29.26	29.28	29.22	28.01	28.66	28.30	29.28
10	28.16	27.63	27.73	28.62	29.36	28.79	28.97	27.97	28.58	28.24	29.11
20			26.73	28.47	29.00	28.63		26.52	28.43	27.48	29.08
30			26.67	27.28	28.57	28.19			25.05	25.91	28.59
50					27.42	27.23				21.50	27.63
75					25.48	25.81				16.59	26.66
Avg.	28.2	27.7	27.2	28.3	28.2	28.0	29.1	27.5	27.7	24.7	28.4
100					23.67	24.36				14.53	25.27
150					20.52	21.11				11.57	21.27
200					18.51	19.17				9.58	19.93
250					17.09	18.80				8.37	18.99
300					14.99	18.11				7.95	18.05
Avg.					19.0	20.3				10.4	20.7
400					11.78	15.90					16.19
500						13.00					14.52
600						9.92					
Avg.					11.8	12.9					15.4

Table 4.--Temperatures (°C), by section, cruise 3--Continued

Depth (m)	Charleston Section					Cape Romain Section				
	Stations					Stations				
	44	43	42	41	40	46	47	48	49	50
0	28.26	28.32	28.95	29.65	29.28	28.19	28.11	28.62	28.69	29.30
10	28.32	27.96	28.38	29.31	29.11		28.03	28.61	28.70	29.32
20		26.39	24.77	28.90	29.08		25.54	27.81	28.64	29.33
30			22.71	28.34	28.59			24.74	28.59	29.01
50			19.22	27.70	27.63			19.81	27.38	28.23
75			16.04	25.56	26.66			16.93	24.82	26.99
Avg.	28.3	27.6	23.3	28.2	28.4	28.2	27.2	24.4	27.8	28.7
100			14.00	23.57	25.27			14.59	21.71	25.00
150				18.41	21.27			11.51	14.21	21.65
200				15.39	19.93					20.59
250				12.77	18.99					18.52
300					18.05					17.26
Avg.			14.0	17.5	20.7			13.1	18.0	20.6
400					16.19					15.75
500					14.52					12.78
600										
Avg.					15.4					14.3

Depth (m)	Long Bay Section						Cape Fear Section				
	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0	28.80	28.47	28.16	28.11	29.19	29.14	28.31	27.56	27.91	27.91	28.81
10		28.22	27.91	28.16	29.25	29.19	28.28	27.53	27.85	27.93	28.81
20			24.79	28.52	29.23	29.06			27.79	27.92	28.66
30				26.47	29.08	28.70			24.72	27.91	28.34
50				22.75	27.65	27.75			20.11	24.43	27.95
75				18.77		26.60			18.07	19.13	27.25
Avg.	28.8	28.3	27.0	25.5	28.9	28.4	28.3	27.5	24.4	25.9	28.3
100				16.00		25.69			16.38	16.37	26.11
150						23.75			13.67	13.09	22.52
200						22.24				11.79	19.55
250						20.81				10.48	17.11
300						19.42					13.68
Avg.				16.0		22.4			15.0	12.9	19.8
400											
500											
600											
Avg.											

Table 4.--Temperatures ($^{\circ}\text{C}$), by section, cruise 3--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	27.79	27.07	27.71	27.62	28.42	27.53	27.47	28.15	28.70
10	27.73	27.18	27.56	27.95	28.44	27.57	27.48	28.19	28.69
20		23.99	27.55	27.91	28.08		27.34	28.15	28.69
30			25.76	26.36	27.52			25.96	28.44
50				23.58	26.69			22.39	26.62
75				20.73	25.25			19.42	24.22
Avg.	27.8	26.1	27.1	25.7	27.4	27.5	27.4	25.4	27.6
100				18.41	23.09				22.14
150				15.21	19.29				19.48
200				13.21	16.34				17.49
250				11.90	14.34				
300					12.67				
Avg.				14.7	17.1				19.7
400									
500									
600									
Avg.									

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0	27.34	28.31					
10	27.25	28.31					
20		28.43					
30		25.12					
50							
75							
Avg.	27.3	27.5					
100							
150							
200							
250							
300							
Avg.							
400							
500							
600							
800							
1000							
Avg.							

Table 5.--Temperatures (°C), by section, cruise 4

Depth (m)	Jupiter Section			Vero Section				
	Stations	Stations	Stations	Stations	Stations	Stations		
0	3	2	1	5	6	7		
0	25.92	27.54	28.02	26.42	28.07	27.83		
10	26.23	27.54	28.01	26.59	28.08	27.87		
20		27.56	28.00	26.88	28.09	27.86		
30		27.54	27.99	26.99	28.08	27.86		
50		27.43	27.97		27.53	27.60		
75		24.04	26.05		26.49	26.67		
Avg.	26.1	26.9	27.7	26.7	27.7	27.6		
100		21.49	23.90		24.96	25.45		
150		18.95	21.91		21.22	22.14		
200		17.06	20.13		18.81	19.97		
250		15.61	18.34		17.51	18.68		
300		13.88	17.33		16.20	18.07		
Avg.		17.4	20.3		19.7	20.9		
400		10.67	14.75		12.46	15.68		
500						13.62		
600								
Avg.		10.7	14.7		12.5	14.7		
Canaveral Section				Ponce de Leon Section				
Depth (m)	Stations				Stations			
	11	10	9	8	13	14	15	16
0	25.09	25.61	28.15	27.98	24.11	25.20	27.80	27.94
10		25.58	28.13	27.98	24.18	25.24	27.77	27.90
20		25.81	28.12	27.99		25.56	27.80	27.95
30			28.12	27.99		25.66	27.82	28.00
50			28.10	27.92		25.79	27.83	28.05
75			27.53	27.27			27.16	28.00
Avg.	25.1	25.7	28.0	27.9	24.1	25.5	27.7	28.0
100			26.13	26.03			26.05	27.61
150			22.46	23.34			22.60	23.83
200			18.27	21.16			19.85	21.18
250			13.51	19.08			17.89	19.07
300				17.83			16.23	17.81
Avg.			20.1	21.5			20.5	21.9
400				15.51			13.46	15.95
500				11.66			11.19	14.04
600				8.49			9.02	11.67
800								
Avg.				11.9			11.2	13.9

Table 5.--Temperatures (°C), by section, cruise 4--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0	23.64	24.91	26.25	28.08		24.14	24.56	25.96	26.98	27.80	27.69
10	24.44	24.94	26.28	28.08			24.59	25.99	27.02	27.86	27.77
20		24.93	26.22	28.16			24.50	25.99	27.05	27.85	27.75
30			26.16	28.17					27.04	27.85	27.62
50				27.69					26.77	27.39	27.06
75				25.29					26.04	25.21	25.32
Avg.	24.0	24.9	26.2	27.6		24.1	24.5	26.0	26.8	27.3	27.2
100				22.91					24.98	23.00	23.83
150				19.07					16.40	19.79	21.64
200				16.78						18.44	19.94
250				15.17						17.54	19.10
300				13.80						16.54	18.42
Avg.				17.5					20.7	19.1	20.6
400				11.37						14.14	17.57
500										11.25	16.11
600											13.54
Avg.				11.4						12.7	15.7

Depth (m)	Brunswick Section						Savannah Section				
	Stations						Stations				
	34	33	32	31	30	29	36	37	38	39	40
0	23.18	24.25	24.91	26.37		27.44	23.66	24.14	25.13	26.43	26.40
10	23.36	24.10	24.69	26.18	27.85	27.48	23.64	24.11	25.11	26.43	26.42
20			24.79		27.81	27.21		24.20	25.04	26.42	26.44
30			24.81		27.80	26.68			25.02	26.42	26.44
50					27.79	25.48				26.40	26.38
75					24.55	24.11				25.54	26.22
Avg.	23.3	24.2	24.8	26.3	27.2	26.4	23.7	24.1	25.1	26.3	26.4
100					21.36	22.60				21.85	25.20
150					19.29	20.31				17.99	22.65
200					18.13	19.41				16.25	21.91
250					17.34	18.84				14.72	21.12
300					16.27	18.32				13.24	19.77
Avg.					18.5	19.9				16.8	22.1
400					13.26	17.17				10.48	
500					9.13	15.24					
600						12.89					
Avg.					11.2	15.1				10.5	

Table 5.--Temperatures (°C), by section, cruise 4--Continued

Depth (m)	Charleston Section					Cape Romain Section				
	Stations					Stations				
	44	43	42	41	40	46	47	48	49	50
0	22.20	24.34	26.10	26.29	26.40	21.74	24.31	25.47	26.23	26.24
10	22.23	24.38	26.15	26.31	26.42	21.80	24.37	25.52	26.31	26.25
20		24.31	26.09	26.26	26.44		24.30	25.49	26.25	26.21
30		24.36	25.89	26.27	26.44			25.48	26.24	26.20
50			25.45	26.33	26.38			25.45	26.20	26.20
75			24.85	26.29	26.22			25.14	23.89	25.50
Avg.	22.2	24.3	25.8	26.3	26.4	21.8	24.3	25.4	25.9	26.1
100			24.47	25.27	25.20			24.70	21.32	24.93
150				21.73	22.65			16.73	17.89	22.70
200				18.97	21.91				15.82	21.37
250				15.85	21.12				14.48	18.99
300				13.61	19.77				13.37	16.88
Avg.			24.5	19.1	22.1			20.7	16.6	21.0
400										15.22
500										13.99
600										11.24
Avg.										13.5

Depth (m)	Long Bay Section						Cape Fear Section				
	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0	21.04	21.96	24.39	25.67	25.52	26.44	21.58	22.21	25.50	24.68	24.88
10		21.90	24.35	25.71	25.62	26.50	21.57	21.99	25.52	24.74	24.92
20			23.75	25.71	25.60	26.22			25.53	24.72	24.91
30				25.70	25.58	26.19			25.59	24.72	24.86
50				25.69	25.47	26.09			25.61	24.84	24.69
75				25.00	22.48	25.49			24.73	23.56	24.29
Avg.	21.0	21.9	24.2	25.6	25.0	26.2	21.6	22.1	25.4	24.5	24.8
100				22.99	20.05	24.32			23.45	22.44	23.92
150				18.80	16.85	20.86			19.65	20.70	21.48
200					14.58	18.23				17.82	19.50
250					12.90	16.57				16.12	18.20
300					12.11	15.13				14.52	16.96
Avg.				20.9	15.3	19.0			21.5	18.3	20.0
400						12.45				11.65	14.64
500						9.11					12.15
600											9.87
Avg.						10.8				11.7	12.2

Table 6.--Temperatures (°C), by section, cruise 5

Depth (m)	Jupiter Section			Vero Section		
	3	2	1	5	6	7
0	24.52	24.98	24.88	24.55	24.89	24.92
10		24.96	24.91	24.50	24.84	24.87
20		24.87	24.83	24.50	24.84	24.88
30		24.87	24.82	22.06	24.86	24.90
50		24.88	24.80		24.89	24.90
75		24.61	24.60		24.37	24.87
Avg.	24.5	24.9	24.8	23.9	24.8	24.9
100		24.30	24.16		23.47	24.65
150		20.03	21.64		20.51	22.44
200		16.48	19.47		17.73	20.18
250		15.36	18.67		16.45	18.79
300		13.84	17.94		14.98	17.74
Avg.		18.0	20.4		18.6	20.8
400		10.11	15.12		11.51	15.75
500						
600						
Avg.		10.1	15.1		11.5	15.7

Depth (m)	Canaveral Section				Ponce de Leon Section			
	11	10	9	8	13	14	15	16
0	18.00	24.06		24.80	17.40	22.08	24.89	23.56
10		24.03		24.70	17.38	22.09	24.87	23.51
20		22.91		24.74		21.96	24.86	23.46
30				24.77		21.16	24.84	23.27
50				24.77		21.03	24.82	22.97
75				24.58			24.54	22.82
Avg.	18.0	23.7		24.7	17.4	21.7	24.8	23.3
100				24.17			24.26	22.64
150				20.77			21.05	22.16
200				18.79			18.70	19.95
250				18.38			17.86	18.96
300				17.96			16.72	18.20
Avg.				20.0			19.7	20.4
400				16.38			13.52	17.45
500				12.87			10.07	16.10
600				9.80			6.36	13.30
800								
Avg.				13.0			10.0	15.6

Table 6.--Temperatures (°C), by section, cruise 5--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0	15.22	17.70	21.07	24.76	23.78	14.39	16.50	20.47	21.36		23.49
10	15.37	17.66	21.12	24.74	23.76	14.01	16.13	20.41	21.34		23.46
20		17.93	20.93	24.73	23.73			20.34	21.16		23.44
30			20.82	24.79	23.58				20.70		23.47
50				24.80	23.29				20.09		23.49
75				24.62	22.92				19.93		23.41
Avg.	15.3	17.8	21.0	24.7	23.5	14.2	16.3	20.4	20.8		23.5
100				24.28	22.63				19.09		23.35
150				22.03	21.84						22.64
200				17.28	20.10						20.31
250				13.70	18.97						19.60
300				11.25	18.07						19.06
Avg.				17.7	20.3				19.1		21.0
400				8.32	16.40						
500					14.68						
600					12.03						
Avg.				8.3	14.4						

Depth (m)	Brunswick Section						Savannah Section				
	Stations						Stations				
	34	33	32	31	30	29	36	37	38	39	40
0	13.09	15.48					13.81	14.40	18.05	23.38	23.97
10	13.01	15.50					13.78	14.38	18.02	23.34	23.90
20								14.35	18.01	23.07	23.89
30									18.02	22.44	23.91
50										21.27	23.94
75										19.96	23.94
Avg.	13.1	15.5					13.8	14.4	18.0	22.2	23.9
100											23.83
150											22.28
200											20.16
250											18.92
300											17.10
Avg.											20.5
400											12.48
500											
600											
Avg.											12.5

Table 6.--Temperatures (°C), by section, cruise 5--Continued

Depth (m)	Charleston Section					Cape Romain Section					
	Stations					Stations					
	44	43	42	41	40	46	47	48	49	50	
0	12.46	17.95	21.60	23.39	23.97	12.45	18.44	19.41	23.27	23.91	
10	12.52	17.46	21.32	23.37	23.90		17.39	19.17	23.24	23.91	
20		16.93	20.37	23.29	23.89		17.17	19.10	23.23	23.87	
30			19.90	23.18	23.91			19.09	22.91	23.87	
50			18.96	23.09	23.94			18.96	21.26	23.84	
75			17.77	22.82	23.94			18.60	19.73	23.46	
Avg.	12.5	17.4	20.0	23.2	23.9	12.5	17.7	19.1	22.3	23.8	
100				21.14	23.83			17.98	18.52	22.49	
150				16.92	22.28			15.97	16.96	21.05	
200				14.15	20.16				15.46	18.77	
250				12.25	18.92				13.85	16.56	
300				11.05	17.10					15.40	
Avg.				15.1	20.5			17.0	16.2	18.9	
400				9.52	12.48					11.80	
500											
600											
Avg.				9.52	12.5					11.8	
Long Bay Section						Cape Fear Section					
Depth (m)	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0	10.97	14.30	18.56	19.85	20.89	21.46	14.22	17.58		20.28	21.05
10		14.02	18.53	19.80	20.92	21.51	14.16	17.59		20.29	21.09
20			17.41	19.78	20.75	21.47		17.56		20.26	21.07
30				19.72	20.26	21.15				20.25	20.98
50				19.61	19.42	20.55				20.24	20.78
75				18.74	18.91	19.99				19.69	20.52
Avg.	11.0	14.2	18.2	19.6	20.2	21.0	14.2	17.6		20.2	20.9
100				17.86	18.18	18.56				18.07	19.10
150				16.11	16.09	14.39				13.96	15.06
200					12.59	12.49				12.13	12.61
250					11.23	10.85				10.22	10.79
300					10.18	9.49				8.68	9.73
Avg.				17.0	13.7	13.2				12.6	13.5
400						7.56					7.84
500						6.46					6.06
600											
Avg.						7.0					6.9

Table 6.--Temperatures (°C), by section, cruise 5--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	12.14	18.26	20.75	21.39	22.47	11.43	18.45	21.60	
10	11.91	18.24	20.76	21.40	22.49	11.51	18.45	21.60	
20		14.30	20.73	21.36	22.52		18.41	21.49	
30			20.64	21.09	22.45			21.23	
50				20.59	21.87			20.78	
75				20.14	20.21			20.38	
Avg.	12.0	16.9	20.7	21.0	22.0	11.5	18.4	21.2	
100				19.16	18.49			20.14	
150				16.18	15.06				
200				13.44	12.53				
250					11.05				
300					9.74				
Avg.				16.3	13.4			20.1	
400					7.87				
500					7.03				
600					5.97				
Avg.					7.0				

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0	15.58	21.59					
10	16.56	21.59					
20		20.89					
30		20.17					
50							
75							
Avg.	16.1	21.1					
100							
150							
200							
250							
300							
Avg.							
400							
500							
600							
800							
1000							
Avg.							

Table 7.--Temperatures (°C), by section, cruise 6

Depth (m)	Jupiter Section			Vero Section				
	Stations	3	2	1	Stations	5	6	7
0	25.19	26.00	26.24	24.99	26.45	26.20		
10	25.21	26.00	26.25	23.98	26.44	26.19		
20		25.99	26.21	21.02	26.46	26.21		
30		25.97	26.21	19.24	26.47	26.21		
50		25.86	26.21		26.42	26.18		
75		25.79	25.98		25.43	26.15		
Avg.	25.2	25.9	26.2	22.3	26.3	26.2		
100		25.15	25.68		22.51	25.80		
150		22.13	22.42		19.65	22.57		
200		17.57	20.06		16.78	20.50		
250		15.91	18.86		13.87	18.82		
300		14.27	17.75		11.01	17.49		
Avg.		19.0	21.0		16.8	21.0		
400		11.06	15.79				15.34	
500		9.63	13.92					
600			11.46					
Avg.		10.3	13.7				15.3	

Depth (m)	Canaveral Section				Ponce de Leon Section					
	Stations	11	10	9	8	Stations	13	14	15	16
0	24.59	24.84	26.44	26.27	23.21	25.66	26.79	26.30		
10		24.84	26.43	26.27	22.91	25.41	26.52	26.35		
20		23.74	26.47	26.25		24.29	26.40	26.20		
30		21.17	26.48	26.20		23.67	26.28	26.18		
50			26.47	26.05		20.51	26.05	26.16		
75			26.15	25.87			25.83	25.92		
Avg.	24.6	23.6	26.4	26.2	23.1	23.9	26.3	26.2		
100			24.44	25.45			25.25	25.36		
150			19.53	23.91			21.95	23.43		
200			17.82	21.32			18.87	21.94		
250			14.14	18.99			16.70	19.79		
300				17.00			15.05	18.13		
Avg.			19.0	21.3			19.6	21.7		
400				14.03			11.25	15.98		
500				11.09			8.08	12.92		
600				9.11				10.32		
800										
Avg.				11.4			9.7	13.1		

Table 7.--Temperatures (°C), by section, cruise 6--Continued

Matanzas Section

Jacksonville Section

Depth (m)	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0					26.10						
10					26.16						
20					26.03						
30					25.94						
50					25.79						
75					25.60						
Avg.					25.9						
100					25.21						
150					23.48						
200					21.17						
250					19.22						
300					17.88						
Avg.					21.4						
400					15.89						
500					13.96						
600					11.49						
Avg.					13.8						

Brunswick Section

Savannah Section

Depth (m)	Stations						Stations				
	34	33	32	31	30	29	36	37	38	39	40
0											
10											
20											
30											
50											
75											
Avg.											
100											
150											
200											
250											
300											
Avg.											
400											
500											
600											
Avg.											

Table 8.--Temperatures ($^{\circ}\text{C}$), by section, cruise 7

Depth (m)	Jupiter Section			Vero Section		
	3	2	1	5	6	7
0	26.38	27.99	28.00	27.24	28.37	28.08
10	26.05	28.07	27.98	26.85	28.29	27.85
20		27.52	27.90	24.49	28.09	27.86
30		26.46	27.83		27.45	27.81
50		24.52	27.69		26.06	27.19
75		22.38	25.54		23.89	25.42
Avg.	26.2	26.2	27.5	26.2	27.0	27.4
100		20.65	23.74		22.10	23.82
150		18.41	21.23		19.49	21.13
200		16.84	18.79		17.42	19.39
250		14.84	18.29		16.34	18.62
300		12.69	17.50		14.81	17.73
Avg.		16.7	19.9		18.0	20.1
400		7.97	15.04			15.65
500			13.02			
600						
Avg.		8.0	14.0			15.7

Depth (m)	Canaveral Section				Ponce de Leon Section			
	11	10	9	8	13	14	15	16
0	26.85	28.30	28.40	27.65	26.59	26.85	27.68	28.15
10		27.82	28.10	27.65	26.56	26.72	27.63	28.13
20		26.87	27.91	27.66		26.30	27.42	27.95
30			27.89	27.61		25.97	27.38	27.52
50			27.14	27.19		25.35	27.08	26.63
75			25.53	25.94			26.10	25.37
Avg.	26.9	27.7	27.5	27.3	26.6	26.2	27.2	27.3
100			23.75	24.50			24.70	24.22
150			21.01	21.67			21.85	22.22
200			19.40	20.30			19.97	20.65
250			17.26	19.13			17.99	19.43
300			13.87	18.29			14.98	18.41
Avg.			19.1	20.8			19.9	21.0
400				16.66			10.18	16.94
500				12.74			7.29	14.25
600				9.85				11.65
800								
Avg.				13.1			8.7	14.3

Table 8.--Temperatures (°C), by section, cruise 7--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	21	20	19	18	17	23	24	25	26	27	28
0	27.56	27.01	27.09	28.78	28.54	27.71	27.44	27.93	28.38	28.24	28.39
10	27.52	27.01	27.07	27.94	27.88	27.59	27.09	27.29	27.78	28.06	28.39
20		26.74	26.92	27.83	27.95			27.20	27.46	27.93	28.19
30			26.75	27.78	27.65				26.54	27.51	27.99
50				27.33	27.07				24.80	26.77	27.04
75				26.13	26.66				22.82	25.95	25.59
Avg.	27.5	26.9	27.0	27.6	27.6	27.7	27.3	27.5	26.3	27.4	27.6
100				24.42	25.79				17.16	25.06	24.45
150				20.82	22.64					23.08	22.04
200				17.84	20.56					20.16	20.61
250				15.06	19.44					17.03	19.39
300				12.56	18.19					14.30	18.21
Avg.				18.1	21.3				17.2	19.9	20.9
400					15.27						16.02
500					13.54						14.06
600					11.69						
Avg.					13.5						15.0

Depth (m)	Brunswick Section						Savannah Section					
	34	33	32	31	30	29	36	37	38	39	40	
0	27.82	27.61	27.52	27.94	28.65	27.86	27.58	27.41	27.52	28.79	29.64	
10	27.82	26.79	26.73	27.74	28.64	27.89	27.61	26.68	27.37	28.06	28.28	
20			25.56	27.42	28.08	27.83		26.47	26.89	27.71	28.16	
30			25.45	26.50	27.35	27.71			25.71	27.15	27.91	
50				22.84	26.20	27.16				25.53	27.10	
75					24.81	25.85				23.00	25.71	
Avg.	27.8	27.2	26.3	26.5	27.3	27.4	27.6	26.9	26.9	26.7	27.8	
100					23.38	23.43				20.37	23.75	
150					20.80	20.95				16.83	21.83	
200					18.31	19.78				14.46	19.77	
250					15.97	18.69				12.42	17.91	
300					13.77	17.36				10.78	16.95	
Avg.					18.4	20.0				15.0	20.0	
400											14.81	
500												
600												
Avg.											14.8	

Table 8.--Temperatures (°C), by section, cruise 7--Continued

Depth (m)	Charleston Section					Cape Romain Section					
	44	43	42	41	40	46	47	48	49	50	
0	27.69	27.51	27.46	28.94	29.64	28.56	27.94	27.63	27.77	28.63	
10	27.21	27.50	27.47	28.50	28.28		27.37	27.25	27.65	28.58	
20		26.98	26.43	28.15	28.16		26.87	26.89	27.27	27.62	
30			23.39	27.22	27.91			25.34	25.71	26.95	
50			18.69	25.47	27.10			22.44	22.90	26.04	
75			17.20	23.52	25.71			18.89	19.84	25.31	
Avg.	27.5	27.3	23.4	27.0	27.8	28.6	27.4	24.7	25.2	27.2	
100			15.08	20.56	23.75			16.35	17.59	21.21	
150				15.45	21.83			14.27	15.56	16.38	
200				12.84	19.77			12.86	13.58	14.40	
250				11.40	17.91				11.84	12.62	
300				10.30	16.95				10.34	10.93	
Avg.			15.1	14.1	20.0			14.5	13.8	15.1	
400					14.81						
500											
600											
Avg.					14.8						
Depth (m)	Long Bay Section					Cape Fear Section					
	56	55	54	53	52	51	58	59	60	61	62
0	27.98	27.18	27.53	27.71	27.54	27.42	27.29	26.80	27.51	28.19	27.88
10		27.17	27.51	27.27	27.51	27.45	27.19	26.80	27.40	28.19	27.90
20			27.06	26.27	26.30	26.40		24.37	27.29	27.37	27.49
30				24.66	23.54	24.50			25.44	26.12	26.75
50				21.90	19.32	21.40			22.48	23.80	24.14
75				19.53	17.68	18.31			20.84	21.24	21.36
Avg.	28.0	27.2	27.4	24.6	23.6	24.2	27.2	26.0	25.2	25.8	25.9
100				17.65	16.30	15.79			19.44	18.99	19.41
150				15.40	14.36	13.09			17.35	15.39	16.60
200					12.19	11.38			14.97	13.66	15.24
250					10.34	10.15				12.05	13.59
300					8.81	9.39				10.72	12.34
Avg.				16.5	12.4	12.0			17.3	14.2	15.4
400						7.68				8.89	10.23
500											
600											
Avg.						7.7				8.9	10.2

Table 8.--Temperatures (°C), by section, cruise 7--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	27.23	27.16	27.36	28.28	27.94	27.06	26.88	27.88	28.18
10	27.23	27.15	27.31	28.30	27.97	27.14	26.64	28.01	28.20
20		25.90	26.92	27.88	27.71		24.82	27.77	28.22
30			25.40	27.09	27.23			27.12	27.27
50				25.50	25.86			25.73	25.59
75				23.67	24.52			23.83	23.99
Avg.	27.2	26.7	26.7	26.8	26.9	27.1	26.1	26.7	26.9
100				22.21	23.42			21.76	22.32
150				18.90	20.64				19.22
200				16.30	18.95				17.80
250					18.07				16.69
300					17.27				15.18
Avg.				19.1	19.7			21.8	18.2
400					14.69				11.55
500									9.09
600									
Avg.					14.7				10.3

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0	25.14		27.70	27.12	26.42	27.31	27.57
10	25.08		27.72	27.16	26.58	27.46	27.59
20			27.75	27.17	26.29	27.43	27.55
30			26.99	27.18		27.46	27.03
50			25.59	24.84		26.92	25.84
75			24.06	22.08		24.47	23.95
Avg.	25.1		26.6	25.9	26.4	26.8	26.6
100			22.67	20.54		22.85	22.56
150			20.32	19.16		21.03	20.77
200			18.67	18.45		19.70	19.10
250			18.13	18.24		18.66	18.48
300			16.64	17.81		17.98	18.07
Avg.			19.3	18.8		20.0	19.8
400			13.59	17.03		14.48	17.51
500			10.30	15.31		10.38	15.78
600			6.44	13.28		7.21	12.62
800				8.98			8.78
1000							5.67
Avg.			10.1	13.7		10.7	12.1

Table 9.--Temperatures ($^{\circ}\text{C}$), by section, cruise 8

Depth (m)	Jupiter Section			Vero Section		
	Stations			Stations		
	3	2	1	5	6	7
0	28.78	29.05	28.65	29.24	29.19	28.56
10	28.24	29.05	28.67	28.97	29.20	28.56
20		28.58	28.62	28.28	28.62	28.46
30		27.90	28.59		27.86	28.01
50		26.81	28.05		26.85	27.16
75		26.47	26.39		25.91	26.20
Avg.	28.5	28.0	28.2	28.8	27.9	27.8
100		25.73	24.83		25.18	25.28
150		23.06	22.11		23.01	21.60
200		19.79	20.35		18.53	20.17
250		17.88	19.62		14.95	19.21
300		16.09	18.66		12.30	18.12
Avg.		20.5	21.1		18.8	20.9
400		12.88	16.48			15.52
500		8.88				13.43
600						
Avg.		10.9	16.5			14.5

Depth (m)	Canaveral Section				Ponce de Leon Section			
	Stations				Stations			
	11	10	9	8	13	14	15	16
0	28.97	28.81	28.97	28.36	28.61	29.17	28.90	28.23
10	28.40	28.35	28.92	28.40	28.16	28.98	28.93	28.23
20		28.20	28.80	28.34		28.62	28.45	28.23
30			28.13	27.76		28.10	27.76	28.10
50			27.14	26.91		26.56	26.88	27.63
75			26.40	26.58			26.17	26.52
Avg.	28.7	28.5	28.1	27.7	28.4	28.3	27.8	27.8
100			25.54	25.77			25.67	25.27
150			23.13	22.95			23.27	22.38
200			18.63	20.12			19.33	19.93
250			14.37	19.26			16.07	18.97
300			12.08	18.30			13.65	18.27
Avg.			18.7	21.3			19.6	21.0
400				16.14			10.69	17.64
500				13.13				15.64
600								12.72
800								
Avg.				14.6			10.7	15.3

Table 9.--Temperatures (°C), by section, cruise 8--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	21	20	19	18	17	23	24	25	26	27	28
0	28.33	28.15	28.52	29.02	28.45	28.38	28.32	28.18	28.31	28.78	28.21
10	28.33	28.19	28.39	28.99	28.37	28.41	28.30	28.14	28.43	28.78	28.21
20		28.16	28.35	28.88	28.36			28.11	28.30	28.69	28.21
30			28.17	28.82	28.30				27.90	28.42	27.95
50				28.55	28.06				27.25	27.64	27.38
75				27.21	26.24				26.69	26.53	26.59
Avg.	28.3	28.2	28.4	28.6	28.0	28.4	28.3	28.1	27.8	28.1	27.8
100				25.90	24.65				21.08	25.51	25.59
150				21.68	22.19					23.70	23.02
200				16.13	20.16					19.08	20.68
250				12.10	18.89					15.19	19.77
300				10.53	17.91					13.06	18.75
Avg.				17.3	20.8				21.1	19.3	21.6
400				9.07	15.92					10.19	16.36
500					12.94					8.59	13.54
600					10.00						10.96
Avg.				9.1	13.0					9.4	13.6

Depth (m)	Brunswick Section						Savannah Section				
	34	33	32	31	30	29	36	37	38	39	40
0	28.04	27.92	27.50	27.67	28.83	28.30	28.06	28.02	27.93	28.66	
10	28.07	27.93	27.54	27.47	28.88	28.39	28.08	27.85	27.90	28.48	
20			27.54	23.50	28.90	28.37		27.78	27.72	27.98	
30			27.52	21.89	28.91	28.35			27.45	27.23	
50					28.15	28.33				23.91	
75					26.70	26.56				20.26	
Avg.	28.1	27.9	27.5	25.1	28.4	28.1	28.1	27.9	27.7	26.1	
100					25.62	24.95				17.93	
150					21.41	22.22				16.58	
200					17.82	19.86				15.36	
250					15.38	19.21				11.72	
300					13.29	18.63					
Avg.					18.7	21.0				15.4	
400						17.67					
500						15.90					
600						13.31					
Avg.						15.6					

Table 9.--Temperatures (°C), by section, cruise 8--Continued

Depth (m)	Charleston Section					Cape Romain Section				
	Stations					Stations				
	44	43	42	41	40	46	47	48	49	50
0	27.30	27.47				26.17	26.65	27.65	28.33	28.26
10	27.32	27.55					26.22	27.56	28.32	28.29
20		27.31					26.08	27.44	28.32	28.25
30								25.20	28.31	28.24
50								20.97	28.22	28.09
75								15.76	26.08	27.07
Avg.	27.3	27.4				26.2	26.3	24.1	27.9	28.0
100								11.82	23.05	24.98
150								7.76	16.12	21.19
200								7.45		19.60
250										18.70
300										17.86
Avg.								9.0	19.6	20.5
400										15.73
500										13.55
600										
Avg.										14.6

Depth (m)	Long Bay Section						Cape Fear Section				
	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0	25.58	26.25	26.67	28.02	27.22	28.29	25.67	25.39	27.84	28.16	28.23
10		26.22	26.24	27.68	27.14	28.28	25.71	25.50	27.90	28.06	28.26
20			26.18	27.62	27.10	28.27			27.77	27.92	28.25
30				24.82	24.93	28.28			24.79	27.70	28.24
50				20.30	21.06	28.28			19.94	25.99	28.13
75				17.64	16.87	28.27			16.75	22.68	27.55
Avg.	25.6	26.2	26.4	24.3	24.1	28.3	25.7	25.4	24.2	26.8	28.1
100				15.33	14.04	27.98			14.32	19.04	26.18
150				11.76	12.45	26.63			11.74	14.38	23.38
200					11.63	20.90			9.45	11.55	20.96
250					10.36	16.02				9.86	18.50
300					8.64	12.59					17.30
Avg.				13.5	11.4	20.8			11.8	13.7	21.3
400						9.18					14.39
500											10.37
600											7.38
Avg.						9.2					10.7

Table 9.--Temperatures (°C), by section, cruise 8--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	25.85	25.85	26.59	28.31	27.94	26.32	26.49	26.77	28.27
10	25.73	25.85	26.61	28.29	28.13	25.54	25.92	26.72	28.26
20			26.57	28.26	28.12		25.89	26.71	28.22
30			26.59	28.27	28.08			26.54	28.23
50				28.00	27.75			25.62	28.23
75				26.71	26.77			21.73	27.68
Avg.	25.8	25.9	26.6	28.0	27.8	25.9	26.1	25.7	28.1
100				24.55	24.68			15.13	26.27
150				17.60	21.29				21.82
200				13.33	19.51				17.54
250					18.22				13.19
300					16.98				
Avg.				18.5	20.1			15.1	19.7
400					12.95				
500									
600									
Avg.					12.9				

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0		26.67	26.81	28.09	25.98	28.27	28.16
10		26.72	26.81	28.17	25.68	28.15	28.16
20		26.51	26.72	28.15	24.80	28.10	28.10
30		23.50	26.61	28.15		27.88	28.07
50			25.65	28.09		26.67	27.82
75			21.78	27.98		25.81	26.73
Avg.		25.9	25.7	28.1	25.5	27.5	27.8
100			17.90	27.00		20.64	25.27
150			14.36	25.33		15.46	21.85
200			12.31	20.48		13.64	20.08
250			11.13	15.30		12.36	19.09
300			10.05	12.90		10.10	16.61
Avg.			13.1	20.2		14.4	20.6
400			8.21	10.19			13.86
500			6.21	8.89			
600				7.83			
800							
1000							
Avg.			7.2	9.0			13.9

Table 10.--Temperatures (°C), by section, cruise 9

Depth (m)	Jupiter Section			Vero Section		
	Stations			Stations		
	3	2	1	5	6	7
0	25.70	26.67	26.48	25.58	26.51	26.66
10	25.70	26.72	26.56	25.46	26.54	26.68
20		26.72	26.62	24.90	26.56	26.69
30		26.67	26.62	24.54	26.55	26.69
50		26.56	26.63		26.54	26.69
75		26.40	26.22		26.39	26.30
Avg.	25.7	26.6	26.5	25.1	26.5	26.6
100		25.82	25.85		26.24	25.75
150		21.61	23.04		22.08	22.33
200		18.23	19.87		18.69	19.43
250		16.06	17.92		16.74	18.00
300		14.25	17.24		15.00	16.60
Avg.		19.2	20.8		19.7	20.4
400		11.00	15.16		12.41	15.05
500			13.05			
600						
Avg.		11.0	14.1		12.4	15.1

Depth (m)	Canaveral Section				Ponce de Leon Section			
	Stations				Stations			
	11	10	9	8	13	14	15	16
0	22.64	25.27	26.51	26.54	21.39	25.31	26.67	26.42
10	22.47	25.29	26.53	26.55	20.92	25.32	26.67	26.44
20		25.31	26.56	26.57		25.33	26.68	26.46
30			26.59	26.59		25.06	26.70	26.21
50			26.59	26.58		24.49	26.72	25.84
75			26.46	26.15			26.36	25.73
Avg.	22.6	25.3	26.5	26.5	21.2	25.1	26.6	26.2
100			25.43	25.40			25.87	25.63
150			21.78	21.93			21.94	20.27
200			18.59	19.56			18.92	18.99
250			16.62	18.30			17.21	18.57
300			14.47	17.59			15.39	18.08
Avg.			19.4	20.6			19.9	20.3
400				15.97			11.42	16.87
500				14.27			8.05	14.13
600				11.68				13.37
800								
Avg.				14.0			9.7	14.8

Table 10.--Temperatures (°C), by section, cruise 9--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0	19.63	22.22	24.74	26.36	26.56	18.08	21.21	23.65	26.17	26.51	25.94
10	18.00	22.15	24.52	26.53	26.57	17.88	21.22	23.66	26.17	26.51	25.93
20		21.99	23.88	26.64	26.58			23.53	26.20	26.51	25.93
30			23.01	26.64	26.59				26.18	26.53	25.91
50				26.41	26.59				26.13	26.55	25.77
75				26.00	26.51				26.05	26.55	25.40
Avg.	18.8	22.1	24.0	26.4	26.6	18.0	21.2	23.6	26.1	26.5	25.8
100				25.77	25.64				25.95	26.35	24.67
150				22.69	21.95					23.70	22.23
200				15.62	19.56					21.00	19.77
250				11.24	18.55					19.02	18.79
300				8.51	17.39					16.46	18.15
Avg.				16.8	20.6				25.9	21.3	20.7
400					14.70					10.05	16.69
500					11.91					7.44	14.20
600					8.99						11.93
Avg.					11.9					8.7	14.3

Depth (m)	Brunswick Section					Savannah Section					
	Stations					Stations					
	34	33	32	31	30	29	36	37	38	39	40
0					26.50	26.57	16.83	19.34	23.68	24.30	25.32
10					26.52	26.59	16.85	19.35	23.72	24.39	25.34
20					26.54	26.61		19.38	23.74	24.40	25.37
30					26.56	26.62			23.70	24.39	25.38
50					26.56	26.63				24.18	25.36
75					26.53	25.85				23.52	25.15
Avg.					26.5	26.5	16.8	19.4	23.7	24.2	25.3
100					26.40	25.09				22.52	24.53
150					22.75	22.08				18.54	21.42
200					20.24	20.03				14.30	18.90
250					18.54	19.05				11.29	17.04
300					16.93	17.95				9.39	15.62
Avg.					21.0	20.8				15.2	19.5
400					10.05	15.46					
500						13.06					
600						10.42					
Avg.					10.1	13.0					

Table 10.--Temperatures (°C), by section, cruise 9--Continued

Depth (m)	Charleston Section					Cape Romain Section					
	Stations					Stations					
	44	43	42	41	40	46	47	48	49	50	
0	16.53	19.84	24.02	25.36	25.32	15.85	20.76	22.46	23.82	25.49	
10	16.56	19.87	24.04	25.38	25.34	15.95	20.79	22.50	23.39	25.51	
20		19.88	24.02	25.40	25.37		19.67	22.26	23.09	25.54	
30			23.30	25.42	25.38			22.24	22.97	25.56	
50			21.95	25.20	25.36			22.08	22.73	25.57	
75			20.46	24.34	25.15			21.83	22.43	25.57	
Avg.	16.5	19.9	23.0	25.2	25.3	15.9	20.4	22.2	23.1	25.5	
100			19.18	22.54	24.53			20.96	20.76	25.37	
150				20.30	21.42			17.36	15.76	22.99	
200				16.70	18.90				12.81	19.78	
250				12.74	17.04				11.17	15.65	
300				10.84	15.62					12.25	
Avg.			19.2	16.6	19.5			19.2	15.1	19.2	
400										8.49	
500											
600											
Avg.										8.5	
Long Bay Section						Cape Fear Section					
Depth (m)	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0	13.61	16.68	21.34	22.79	22.55	24.23	16.44	21.38	22.72	25.03	25.34
10		16.68	21.38	22.81	22.57	24.24	16.45	21.41	22.73	25.04	25.38
20			21.26	22.80	22.58	24.25		21.08	22.75	25.03	25.38
30				22.79	22.58	24.27			22.75	24.99	25.37
50				22.78	22.57	23.85			22.74	24.65	25.34
75				19.54	19.79	23.23			21.91	23.54	25.29
Avg.	13.6	16.7	21.3	22.3	22.1	24.0	16.4	21.3	22.6	24.7	25.3
100				17.28	17.25	21.63			20.74	21.74	24.27
150				15.72	12.86	16.81			17.38	18.89	20.64
200					9.53	13.26			15.38	14.80	18.85
250					9.04	10.77				13.27	17.56
300					8.75	9.52				11.15	16.46
Avg.				16.5	11.5	14.4			17.8	16.0	19.6
400											14.19
500											11.40
600											
Avg.											12.8

Table 10.--Temperatures (°C), by section, cruise 9--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	15.67	18.73	22.13		25.32	13.14	18.70	22.31	24.65
10	15.64	18.76	22.15		25.36	13.16	18.58	22.30	24.64
20		18.76	22.12		25.38		18.58	22.26	24.62
30			22.15		25.39			22.23	24.53
50					25.39			22.18	24.37
75					25.39			22.11	24.22
Avg.	15.7	18.7	22.1		25.4	13.1	18.6	22.2	24.5
100					24.97			22.03	23.61
150					21.66				21.60
200					19.49				19.00
250					17.98				17.53
300					15.02				14.60
Avg.					19.8			22.0	19.3
400					10.17				
500									
600									
Avg.					10.2				

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0							
10							
20							
30							
50							
75							
Avg.							
100							
150							
200							
250							
300							
Avg.							
400							
500							
600							
800							
1000							
Avg.							

Table 11.--Temperatures ($^{\circ}\text{C}$), by section, winter season

Jupiter Section				Vero Section		
Depth (m)	Stations			Stations		
	3	2	1	5	6	7
0	22.5	24.9	24.6	22.6	24.7	24.6
10	20.5	24.8	24.6	22.5	24.7	24.6
20		24.8	24.5	21.7	24.7	24.6
30		24.8	24.5	19.0	24.7	24.6
50		24.6	24.5		24.6	24.6
75		23.7	24.4		23.9	24.5
Avg.	21.9	24.6	24.5	21.4	24.6	24.6
100		22.7	24.1		23.1	24.4
150		19.1	21.8		21.2	22.4
200		16.4	19.9		18.3	20.3
250		15.0	18.9		15.5	18.5
300		13.4	18.0		13.2	17.1
Avg.		17.3	20.5		18.3	20.5
400		9.8	15.7		11.5	15.7
500			13.8			
600						
Avg.		9.8	15.1		11.5	15.7

Canaveral Section					Ponce de Leon Section			
Depth (m)	Stations				Stations			
	11	10	9	8	13	14	15	16
0	18.1	24.1		24.6	17.4	22.1	24.9	23.6
10	18.2	24.0		24.6	17.4	22.1	24.9	23.5
20		22.9		24.6		22.0	24.9	23.5
30				24.6		21.2	24.8	23.3
50				24.6		21.0	24.8	23.0
75				24.5			24.5	22.8
Avg.	18.1	23.7		24.6	17.4	21.7	24.8	23.3
100				24.2			24.3	22.6
150				21.1			21.1	22.2
200				19.1			18.7	19.9
250				18.0			17.9	19.0
300				17.1			16.7	18.2
Avg.				19.9			19.7	20.4
400				15.1			13.5	17.5
500				12.1			10.1	16.1
600				9.5			6.4	13.3
800								
Avg.				12.3			10.0	15.6

Table 11.-- Temperatures (°C), by section, winter season--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0	15.2	17.7	21.1	24.8	23.8	15.3	16.9	19.3	21.1		23.5
10	15.4	17.7	21.1	24.7	23.8	14.9	16.7	19.3	21.1		23.5
20		17.9	20.9	24.7	23.7		17.3	19.3	21.0		23.4
30			20.8	24.8	23.6			18.2	20.6		23.5
50				24.8	23.3				19.0		23.5
75				24.6	22.9				16.0		23.4
Avg.	15.3	17.8	21.0	24.7	23.5	15.1	16.9	19.1	19.8		23.5
100				24.3	22.6				13.9		23.3
150				22.0	21.8				6.9		22.6
200				17.3	20.1						20.3
250				13.7	19.0						19.6
300				11.3	18.1						19.1
Avg.				17.7	20.3				11.6		21.0
400				8.3	16.4						
500					14.7						
600					12.0						
Avg.				8.3	14.4						

Depth (m)	Brunswick Section						Savannah Section				
	Stations						Stations				
	34	33	32	31	30	29	36	37	38	39	40
0	13.9	15.5	18.1				13.8	15.3	18.7	23.7	24.2
10	13.9	15.6	18.1				13.7	15.3	18.6	23.6	24.2
20		15.7	18.2					15.3	18.5	23.5	24.2
30			18.1					16.2	18.0	22.7	24.2
50										21.3	24.2
75										19.8	23.8
Avg.	13.9	15.6	18.2				13.8	15.4	18.4	22.5	24.1
100										18.7	23.3
150										16.6	21.7
200										14.6	20.2
250										12.6	18.9
300										10.8	17.1
Avg.										14.7	20.9
400											12.5
500											
600											
Avg.											12.5

Table 11.--Temperatures (°C), by section, winter season--Continued

Depth (m)	Charleston Section					Cape Romain Section				
	Stations					Stations				
	44	43	42	41	40	46	47	48	49	50
0	12.9	17.3	19.4	24.0	24.2	12.9	17.6	19.6	23.5	24.1
10	13.0	17.0	19.2	24.0	24.2	13.2	17.1	19.4	23.4	24.0
20		16.7	18.8	24.0	24.2		17.0	19.4	22.8	24.0
30			18.5	23.9	24.2			18.9	21.8	24.0
50			18.0	23.7	24.2			17.9	19.8	24.0
75			16.7	23.3	23.8			16.1	18.8	23.7
Avg.	12.9	17.0	18.4	23.8	24.1	13.0	17.2	18.5	21.7	24.0
100				22.2	23.3			15.1	17.9	22.9
150				19.1	21.7			13.6	16.1	20.8
200				16.8	20.2			10.7	14.0	18.6
250				15.3	18.9				11.8	16.7
300				14.3	17.1					15.4
Avg.				17.5	20.9			13.6	14.9	18.9
400				9.5	12.5					12.5
500										11.1
600										
Avg.				9.5	12.5					12.0

Depth (m)	Long Bay Section						Cape Fear Section				
	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0	11.0	13.8	16.3	20.0	20.0	22.7	13.4	17.8	20.4	20.2	22.6
10		13.7	17.0	19.9	19.9	22.7	13.5	17.9	20.2	20.2	22.6
20			16.5	19.8	19.8	22.7		17.9	20.0	19.8	22.6
30				18.9	19.2	22.6			19.9	19.7	22.6
50				18.4	17.3	22.0			17.4	19.1	22.5
75				16.7	16.1	20.9			16.7	18.5	22.2
Avg.	11.0	13.7	16.6	19.0	18.7	22.3	13.5	17.9	19.1	19.6	22.5
100				15.6	15.3	19.2			15.9	17.3	21.2
150				13.6	13.5	15.3				13.4	18.3
200					11.2	13.4				11.7	16.1
250					10.3	10.9				9.9	14.7
300					10.2	9.5				8.7	13.7
Avg.				14.6	12.3	14.5			15.9	12.6	16.8
400						7.6					11.8
500						6.5					9.6
600											10.0
Avg.						7.0					10.6

Table 11.--Temperatures (°C), by section, winter season--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	12.1	18.3	20.7	21.4	22.5	12.5	17.2	21.2	24.1
10	11.9	18.2	20.8	21.4	22.5	12.5	16.8	21.0	24.1
20		14.3	20.7	21.4	22.5		16.5	20.7	24.1
30			20.6	21.1	22.5			20.5	24.1
50				20.6	21.9			20.8	23.9
75				20.1	20.2			20.4	23.4
Avg.	12.0	16.9	20.7	21.0	22.0	12.5	16.8	20.8	24.0
100				19.2	18.5			20.1	22.6
150				16.2	15.1				20.7
200				13.4	12.5				19.0
250					11.1				17.9
300					9.7				16.8
Avg.				16.3	13.4			20.1	19.4
400					7.9				15.0
500					7.0				13.1
600					6.0				
Avg.					7.0				14.1

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0	15.6	19.2	23.4				
10	16.6	19.3	23.6				
20		19.0	23.5				
30		20.2	23.4				
50			23.1				
75			22.5				
Avg.	16.1	19.3	23.3				
100			20.9				
150			17.1				
200							
250							
300							
Avg.			19.0				
400							
500							
600							
800							
1000							
Avg.							

Table 12.--Temperatures (°C), by section, spring season

Depth (m)	Jupiter Section			Vero Section		
	Stations			Stations		
	3	2	1	5	6	7
0	24.1	25.6	26.5	24.4	26.3	26.1
10	24.0	25.6	26.1	23.8	26.2	26.0
20		25.6	26.1	20.9	26.2	26.1
30		25.4	26.1	19.1	26.2	26.0
50		24.7	26.1		26.0	26.0
75		23.4	25.7		24.5	25.6
Avg.	24.0	25.0	26.1	22.0	25.9	26.0
100		21.5	25.1		22.1	24.9
150		17.4	22.0		19.3	21.9
200		17.6	19.6		16.8	20.1
250		15.9	18.0		14.1	18.6
300		14.3	16.6		11.0	17.3
Avg.		17.9	20.2		17.3	20.5
400		11.1	14.0			14.9
500		9.6	13.9			
600			11.5			
Avg.		10.3	13.3			14.9

Depth (m)	Canaveral Section				Ponce de Leon Section			
	Stations				Stations			
	11	10	9	8	13	14	15	16
0	23.7	24.5	26.0	26.1	23.2	25.3	26.4	26.0
10		24.2	26.0	26.1	22.3	25.2	26.3	26.1
20		21.7	26.1	26.1		24.6	26.2	26.0
30		21.2	26.0	26.1		24.3	26.1	25.5
50			25.5	26.0		20.5	26.0	24.9
75			24.4	25.3			25.6	24.6
Avg.	23.7	23.1	25.7	25.9	22.6	24.4	26.1	25.5
100			22.8	24.4			25.0	24.1
150			19.3	22.2			22.1	22.5
200			17.3	20.4			19.4	20.9
250			14.1	18.6			17.9	19.4
300				17.0			16.6	18.2
Avg.			19.0	20.5			20.2	21.0
400				14.3			13.8	16.3
500				11.5			11.0	13.4
600				9.3			10.7	10.9
800								
Avg.				11.7			12.1	13.5

Table 12--Temperatures (°C), by section, spring season--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	21	20	19	18	17	23	24	25	26	27	28
0	21.1	21.7	22.7	25.8	26.1	20.7	21.2	21.6	23.2	25.7	25.8
10	21.0	21.7	22.7	25.7	26.1	20.5	21.2	21.7	23.2	25.7	25.7
20		21.3	22.7	25.7	25.8		21.1	21.2	23.2	25.6	25.7
30			20.2	25.5	25.4				22.9	25.6	25.6
50				24.5	24.8				21.5	24.8	24.4
75				22.3	24.3				18.0	23.3	22.6
Avg.	21.1	21.6	22.1	24.9	25.4	20.7	21.2	21.5	22.0	25.1	25.0
100				20.3	23.8				14.0	21.4	22.2
150				18.3	22.1					18.9	21.0
200					20.5					17.0	20.0
250					19.1					15.1	19.0
300					17.9						18.1
Avg.				19.3	20.7				14.0	18.1	20.1
400					15.7						16.1
500					13.4						13.9
600					10.7						
Avg.					13.3						15.0

Depth (m)	Brunswick Section						Savannah Section				
	34	33	32	31	30	29	36	37	38	39	40
0	19.8	19.9	20.5	22.7	25.2	25.8	22.0	22.8	23.3	25.7	26.8
10	19.8	20.0	20.5	22.7	25.0	25.8	21.2	22.0	23.3	25.6	26.7
20			20.7	22.7	24.9	25.7		21.2	22.3	24.7	26.5
30			20.8	22.7	24.5	25.7			18.3	23.8	26.3
50					23.8	24.8				22.4	25.4
75					22.2	23.4				19.8	23.9
Avg.	19.8	20.0	20.6	22.7	24.3	25.2	21.6	22.0	21.8	23.7	25.9
100					19.8	22.3				16.6	23.0
150					17.9	20.3				13.4	21.2
200					16.3	19.6				10.9	19.5
250					14.4	18.7					18.4
300					12.2	17.6					17.8
Avg.					16.1	19.7				13.6	20.0
400						14.7					15.5
500						10.4					
600											
Avg.						12.6					15.5

Table 12.--Temperatures (°C), by section, spring season--Continued

Depth (m)	Charleston Section					Cape Romain Section				
	Stations					Stations				
	44	43	42	41	40	46	47	48	49	50
0	22.0	22.6	22.2	27.0	26.8	22.3	22.3	24.3	23.8	
10	19.6	22.3	21.9	27.0	26.7		20.2	24.1	23.8	
20		20.1	20.9	26.8	26.5		18.1	22.6	23.6	
30			19.1	26.5	26.3			21.1	22.5	
50			16.6	25.7	25.4			18.7	20.0	
75			14.8	24.3	23.9			17.2	16.4	
Avg.	20.8	21.7	19.2	26.2	25.9	22.3	20.2	21.3	21.7	
100			13.3	22.5	23.0			15.9	14.6	
150				19.3	21.2			13.7	12.4	
200				16.0	19.5			10.5	9.3	
250					18.4			8.5	7.1	
300					17.8			6.8		
Avg.			13.3	19.3	20.0			11.1	10.8	
400					15.5					
500										
600										
Avg.					15.5					

Depth (m)	Long Bay Section						Cape Fear Section				
	Stations						Stations				
	56	55	54	53	52	51	58	59	60	61	62
0	21.3	22.3	22.0	24.6			21.2	21.4	21.7	24.1	26.0
10		20.3	22.0	24.6			19.4	21.0	21.7	23.6	25.8
20			21.0	24.6					22.4	23.6	25.7
30				24.0					21.1	21.3	25.5
50				22.6					19.1	17.3	24.7
75				20.4					17.9	13.2	23.0
Avg.	21.3	21.3	21.7	23.5			20.3	21.2	20.7	20.5	25.1
100				18.4					16.0	11.1	21.6
150				14.6					14.1	9.7	19.9
200									12.3	8.8	17.8
250										8.3	17.0
300										7.9	16.4
Avg.				16.5					14.1	9.2	18.5
400										7.6	15.2
500											
600											
Avg.										7.6	15.2

Table 12.--Temperatures (°C), by section, spring season--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	20.6	21.2	21.9	23.6	25.0	21.0	20.8	25.2	25.4
10	19.5	20.8	22.0	23.5	24.9	20.3	20.1	25.3	25.4
20		19.5	21.7	19.5	24.8		19.2	25.0	25.2
30			20.2	19.2	24.7			24.9	24.4
50				18.7	23.5			24.4	23.3
75					21.3			23.1	21.6
Avg.	20.1	20.5	21.4	20.9	24.0	20.7	20.0	24.6	24.2
100					18.1			21.5	19.9
150					14.8				14.9
200									13.6
250									12.8
300									12.0
Avg.					16.5			21.5	14.6
400									8.9
500									
600									
Avg.									8.9

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0	19.9	21.3	26.0	25.7	20.0	25.3	25.7
10	19.8	21.2	26.0	25.7	19.9	25.4	25.7
20		20.7	26.0	25.8	19.8	25.4	25.6
30		20.0	25.6	25.7		25.4	25.6
50			24.9	25.2		24.7	25.4
75			23.7	23.7		23.0	23.6
Avg.	19.8	20.8	25.3	25.3	19.9	24.9	25.3
100			22.5	22.6		21.4	22.3
150			20.1	21.4		18.5	20.8
200			18.3	20.1		15.9	19.7
250			17.3	18.8		13.5	19.0
300			15.5	18.2		11.4	18.3
Avg.			18.7	20.2		16.1	20.0
400			11.8	16.3			16.9
500			7.3				15.0
600			5.3				12.4
800			4.2				7.1
1000			4.0				4.7
Avg.			6.5	16.3			11.2

Table 13.--Temperatures (°C), by section, summer season

Depth (m)	Jupiter Section			Vero Section		
	3	2	1	5	6	7
0	27.6	28.7	28.5	28.1	28.8	28.4
10	27.4	28.6	28.4	27.1	28.7	28.4
20		28.3	28.3	25.0	28.5	28.3
30		27.6	28.2	21.0	27.9	28.1
50		26.3	27.7		27.0	27.3
75		25.0	25.9		25.6	25.9
Avg.	27.5	27.4	27.8	26.2	27.7	27.7
100		23.6	24.4		24.3	24.5
150		20.7	21.8		21.3	21.6
200		18.2	19.7		18.3	19.8
250		15.9	19.0		15.7	18.9
300		14.4	18.2		13.3	18.1
Avg.		18.9	20.6		18.6	20.6
400		10.4	16.1			16.0
500		8.9	13.0			13.3
600						
Avg.		9.9	15.3			14.9

Depth (m)	Canaveral Section				Ponce de Leon Section			
	11	10	9	8	13	14	15	16
0	27.8	28.3	28.8	28.3	27.5	28.2	28.7	28.4
10	28.4	27.8	28.7	28.3	27.3	28.0	28.5	28.4
20		25.7	28.5	28.2		27.4	28.2	28.3
30			28.2	27.8		25.6	27.9	28.0
50			27.4	27.1		24.5	27.2	27.3
75			26.2	26.5			26.3	26.2
Avg.	27.9	27.3	28.0	27.7	27.4	26.7	27.8	27.8
100			24.7	25.4			25.5	25.1
150			20.6	22.4			23.1	22.6
200			19.0	20.4			20.3	20.6
250			15.8	19.3			17.4	19.4
300			13.0	18.1			14.4	18.4
Avg.			19.3	21.1			20.1	21.2
400				16.1			10.6	17.0
500				12.8			7.3	14.7
600				10.0				11.7
800								8.1
Avg.				13.3			9.8	13.8

Table 13.--Temperatures (°C), by section, summer season--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0	27.7	27.5	27.8	29.0	28.7	28.1	27.8	28.0	28.3	28.7	28.5
10	27.6	27.5	27.8	28.7	28.4	27.9	27.5	27.7	28.1	28.6	28.5
20		27.4	27.7	28.5	28.3		27.1	27.2	27.9	28.4	28.4
30			26.8	28.4	28.1				27.3	28.1	28.1
50				27.8	27.6				25.7	27.3	27.3
75				26.5	26.6				23.1	26.2	26.1
Avg.	27.6	27.5	27.5	28.2	28.0	28.0	27.6	27.6	26.7	27.9	27.8
100				25.0	25.4				18.1	25.2	25.1
150				20.7	22.6					22.7	22.4
200				16.1	20.5					19.1	20.4
250				13.6	19.3					16.2	19.4
300				11.5	18.1					14.1	18.4
Avg.				18.1	21.2				18.1	19.4	21.2
400				9.1	15.8					10.2	16.4
500					13.1					8.6	14.3
600					10.5						12.4
Avg.				9.1	13.1					9.4	14.6

Depth (m)	Brunswick Section						Savannah Section				
	Stations						Stations				
	34	33	32	31	30	29	36	37	38	39	40
0	28.0	27.8	27.6	28.1	28.9	28.5	28.3	27.8	28.0	28.6	29.5
10	28.0	27.5	27.3	27.9	29.0	28.4	28.2	27.5	27.9	28.3	28.7
20			26.6	26.5	28.7	28.3		26.9	27.7	27.7	28.6
30			26.5	25.2	28.3	28.1			26.1	26.8	28.3
50				22.8	27.3	27.6				23.6	27.4
75					25.7	26.1				19.9	26.2
Avg.	28.0	27.6	27.0	26.6	28.0	27.8	28.3	27.4	27.4	25.8	28.1
100					24.2	24.2				17.6	24.5
150					20.9	21.4				15.0	21.5
200					18.2	19.6				13.1	19.9
250					16.1	18.9				10.8	18.5
300					14.0	18.0				9.4	17.5
Avg.					18.7	20.4				13.5	20.4
400					11.8	16.8					15.5
500						14.5					14.5
600						11.6					
Avg.					11.8	14.3					15.2

Table 13.--Temperatures (°C), by section, summer season--Continued

Depth (m)	Charleston Section					Cape Romain Section						
	Stations					Stations						
	44	43	42	41	40	46	47	48	49	50		
0	27.7	27.8	28.2	29.3	29.5	27.6	27.6	28.0	28.3	28.7		
10	27.6	27.7	27.9	28.9	28.7		27.2	27.8	28.2	28.7		
20		26.9	25.6	28.5	28.6		26.2	27.4	28.1	28.4		
30			23.1	27.8	28.3			25.1	27.5	28.1		
50			19.0	26.6	27.4			21.1	26.2	27.5		
75			16.6	24.5	26.2			17.2	23.6	26.5		
Avg.	27.7	27.4	23.4	27.6	28.1	27.6	27.0	24.4	27.0	28.0		
100			14.5	22.1	24.5			14.3	20.8	23.7		
150				16.9	21.5			11.2	15.3	19.7		
200				14.1	19.9			10.2	13.6	18.2		
250				12.1	18.5				11.8	16.6		
300				10.3	17.5				10.3	15.3		
Avg.			14.5	15.6	20.4			12.1	16.0	18.7		
400					15.5					15.7		
500					14.5					13.2		
600												
Avg.					15.2					14.5		
Long Bay Section						Cape Fear Section						
Depth (m)	Stations						Stations					
	56	55	54	53	52	51	58	59	60	61	62	
0	27.5	27.3	27.5	27.9	28.0	28.3	27.1	26.6	27.8	28.1	28.3	
10		27.2	27.2	27.7	28.0	28.3	27.1	26.6	27.7	28.1	28.3	
20			26.0	27.5	27.5	27.9		24.4	27.6	27.7	28.1	
30				25.3	25.9	27.2			25.0	27.2	27.8	
50				21.7	22.7	25.8			20.8	24.7	26.7	
75				18.6	17.3	24.4			18.6	21.0	25.4	
Avg.	27.5	27.3	26.9	24.8	25.3	27.0	27.1	26.3	24.6	26.1	27.4	
100				16.3	15.2	23.2			16.7	18.1	23.9	
150				13.6	13.4	21.2			14.3	14.3	20.8	
200					11.9	18.2			12.2	12.3	18.6	
250					10.3	15.7				10.8	16.4	
300					8.7	13.8				10.7	14.4	
Avg.				15.2	11.9	18.4			14.7	13.6	18.8	
400						8.4				8.9	12.3	
500											10.4	
600											7.4	
Avg.						8.4				8.9	10.6	

Table 13.--Temperatures (°C), by section, summer season--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	27.0	26.7	27.2	28.1	28.1	27.0	26.9	27.6	28.4
10	26.9	26.7	27.2	28.2	28.2	26.7	26.7	27.6	28.4
20		24.9	27.0	28.0	28.0		26.0	27.5	28.4
30			25.9	27.2	27.6			26.5	28.0
50				25.7	26.8			24.6	26.8
75				23.7	25.5			21.7	25.3
Avg.	26.9	26.3	26.8	26.8	27.4	26.9	26.5	25.9	27.5
100				21.7	23.7			18.4	23.6
150				17.2	20.4				20.2
200				14.3	18.3				17.6
250				11.9	16.9				14.9
300					15.6				15.2
Avg.				17.2	19.0			18.4	19.1
400					13.8				11.5
500									9.1
600									
Avg.					13.8				10.3

Depth (m)	Raleigh Bay Section				Hatteras Section		
	Stations				Stations		
	76	75	74	73	78	79	80
0	26.2	27.5	27.3	27.6	26.2	27.8	27.9
10	26.2	27.5	27.3	27.7	26.1	27.8	27.9
20		27.5	27.2	27.7	25.5	27.8	27.8
30		24.3	26.8	27.7		27.7	27.5
50			25.6	26.5		26.8	26.8
75			22.9	25.0		25.1	25.3
Avg.	26.2	26.7	26.2	27.0	26.0	27.2	27.2
100			20.3	23.8		21.7	23.9
150			17.3	22.2		18.2	21.3
200			15.5	19.5		16.7	19.6
250			14.6	16.8		15.5	18.8
300			13.3	15.4		14.0	17.3
Avg.			16.2	19.5		17.2	20.2
400			10.9	13.6		14.5	15.7
500			8.3	12.1		10.4	15.8
600			6.4	10.6		7.2	12.6
800				9.0			8.8
1000							5.7
Avg.			8.9	11.6		10.7	12.4

Table 14.--Temperatures (°C), by section, fall season

Depth (m)	Jupiter Section			Vero Section		
	3	2	1	5	6	7
0	25.8	27.1	27.3	26.0	27.3	27.2
10	26.0	27.1	27.3	26.0	27.3	27.3
20		27.1	27.3	25.9	27.3	27.3
30		27.1	27.3	25.8	27.3	27.3
50		27.0	27.3		27.0	27.1
75		25.2	26.1		26.4	26.5
Avg.	25.9	26.8	27.1	25.9	27.1	27.1
100		23.7	24.9		25.6	25.6
150		20.3	22.5		21.7	22.2
200		17.6	20.0		18.7	19.7
250		15.8	18.1		17.1	18.3
300		14.1	17.3		15.6	17.3
Avg.		18.3	20.6		19.7	20.6
400		10.8	15.0		12.4	15.4
500			13.1			13.6
600						
Avg.		10.8	14.3		12.4	14.8

Depth (m)	Canaveral Section				Ponce de Leon Section			
	11	10	9	8	13	14	15	16
0	23.9	25.4	27.3	27.3	22.7	25.3	27.2	27.2
10	22.5	25.4	27.3	27.3	22.5	25.3	27.2	27.2
20		25.6	27.3	27.3		25.4	27.2	27.2
30			27.4	27.3		25.4	27.3	27.1
50			27.3	27.3		25.1	27.3	26.9
75			27.0	26.7			26.8	26.9
Avg.	23.4	25.5	27.3	27.2	22.7	25.3	27.2	27.1
100			25.8	25.7			26.0	26.6
150			22.1	22.6			22.3	22.1
200			18.4	20.4			19.4	20.1
250			15.1	18.7			17.5	18.8
300			14.5	17.7			15.8	17.9
Avg.			19.7	21.0			20.2	21.1
400				15.7			12.4	16.4
500				13.0			9.6	14.1
600				10.1			9.0	12.5
800								
Avg.				12.9			10.6	14.3

Table 14.--Temperatures (°C), by section, fall season--Continued

Depth (m)	Matanzas Section					Jacksonville Section					
	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0	21.6	23.6	25.5	27.2	26.6	21.1	22.9	24.8	26.6	27.2	26.8
10	21.2	23.5	25.4	27.3	26.6	17.9	22.9	24.8	26.6	27.2	26.9
20		23.5	25.1	27.4	26.6		24.5	24.8	26.6	27.2	26.8
30			24.6	27.4	26.6				26.6	27.2	26.8
50				27.1	26.6				26.5	27.0	26.4
75				25.6	26.5				26.0	25.9	25.4
Avg.	21.4	23.5	25.1	27.0	26.6	20.0	23.2	24.8	26.5	26.9	26.5
100				24.3	25.6				25.5	24.7	24.3
150				20.9	21.9				16.4	21.7	21.9
200				16.2	19.6					19.7	19.9
250				13.2	18.5					18.3	18.9
300				11.2	17.4					16.5	18.3
Avg.				17.2	20.6				22.4	20.2	20.7
400				11.4	14.7					12.1	17.1
500					11.9					9.3	15.2
600					9.0						12.7
Avg.				11.4	11.9					10.7	15.0

Depth (m)	Brunswick Section						Savannah Section				
	Stations						Stations				
	34	33	32	31	30	29	36	37	38	39	40
0	23.2	24.3	24.9	26.4	26.5	27.0	20.2	21.7	24.4	25.4	25.9
10	23.4	24.1	24.7	26.2	27.2	27.0	20.2	21.7	24.4	25.4	25.9
20			24.8		27.2	26.9		21.8	24.4	25.4	25.9
30			24.8		27.2	26.7			24.4	25.4	25.9
50					27.2	26.1				25.3	25.9
75					25.5	25.0				24.5	25.7
Avg.	23.3	24.2	24.8	26.3	26.8	26.4	20.2	21.8	24.4	25.2	25.9
100					23.9	23.8				22.2	24.9
150					21.0	21.2				18.3	22.0
200					19.2	19.7				15.3	20.4
250					17.9	18.9				13.0	19.1
300					16.6	18.1				11.3	17.7
Avg.					19.7	20.4				16.0	20.8
400					11.7	16.3				10.5	
500					9.1	14.1					
600						11.7					
Avg.					10.8	14.0				10.5	

Table 14.--Temperatures (°C), by section, fall season--Continued

Depth (m)	Charleston Section					Cape Romain Section						
	Stations					Stations						
	44	43	42	41	40	46	47	48	49	50		
0	19.4	22.1	25.1	25.8	25.9	18.8	22.5	24.0	25.0	25.9		
10	19.4	22.1	25.1	25.8	25.9	18.9	22.6	24.0	24.9	25.9		
20		22.1	25.1	25.8	25.9		22.0	23.9	24.7	25.9		
30		24.4	24.6	25.8	25.9			23.9	24.6	25.9		
50			23.7	25.8	25.9			23.8	24.5	25.9		
75			22.7	25.3	25.7			23.5	23.2	25.5		
Avg.	19.4	22.4	24.4	25.7	25.9	18.8	22.4	23.8	24.5	25.8		
100			21.8	23.9	24.9			22.8	21.0	25.1		
150				21.0	22.0			17.0	16.8	22.8		
200				17.8	20.4				14.3	20.6		
250				14.3	19.1				12.8	17.3		
300				12.2	17.7				13.4	14.6		
Avg.			21.8	17.9	20.8			19.9	15.9	20.1		
400										11.9		
500										14.0		
600										11.2		
Avg.										12.2		
Long Bay Section						Cape Fear Section						
Depth (m)	Stations						Stations					
	56	55	54	53	52	51	58	59	60	61	62	
0	17.3	19.3	22.9	24.2	24.0	25.3	19.0	21.8	24.1	24.9	25.1	
10		19.3	22.9	24.3	24.1	25.4	19.0	21.7	24.1	24.9	25.1	
20			22.5	24.3	24.1	25.2		21.1	24.1	24.9	25.1	
30				24.2	24.1	25.2			24.2	24.9	25.1	
50				24.2	24.0	25.0			24.2	24.7	25.0	
75				22.3	21.1	24.4			23.3	23.5	24.8	
Avg.	17.3	19.3	22.7	23.9	23.6	25.1	19.0	21.6	24.0	24.6	25.1	
100				20.1	18.7	23.0			22.1	22.1	24.1	
150				17.3	14.9	18.8			18.5	19.8	21.1	
200					12.1	15.7			15.4	16.3	19.2	
250					11.0	13.7				14.7	17.9	
300					10.4	12.3				12.8	16.7	
Avg.				18.7	13.4	16.7			19.3	17.1	19.8	
400						12.5				11.7	14.4	
500						9.1					11.8	
600											9.9	
Avg.						10.8				11.7	12.5	

Table 14.--Temperatures (°C), by section, fall season--Continued

Depth (m)	Onslow Bay Section					Cape Lookout Section			
	Stations					Stations			
	67	66	65	64	63	69	70	71	72
0	17.3	19.7	23.5	25.5	25.6	14.5	19.3	22.3	24.7
10	17.3	19.8	23.5	25.5	25.6	15.2	19.2	22.3	24.6
20		19.8	23.5	25.5	25.6		19.2	22.3	24.6
30			23.4	25.5	25.6			22.2	24.5
50				25.4	25.6			22.2	24.4
75				25.4	25.3			22.1	24.2
Avg.	17.3	19.8	23.5	25.5	25.5	14.8	19.2	22.2	24.5
100				25.4	24.6			22.0	23.6
150				23.8	21.4				21.6
200				20.2	19.3				19.0
250				17.6	18.3				17.5
300				14.4	16.5				14.6
Avg.				20.3	20.0			22.0	19.3
400					13.5				
500					14.9				
600					12.1				
Avg.					13.5				
Depth (m)	Raleigh Bay Section				Hatteras Section				
	Stations				Stations				
	76	75	74	73	78	79	80		
0	17.3	23.7							
10	17.4	23.7							
20		23.7							
30		23.3							
50									
75									
Avg.	17.3	23.6							
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 15.--Temperatures (°C), by station, winter season, southern inner shelf

Depth (m)	Station 3			Station 4		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	20.53	24.52	22.5	19.70	24.32	22.0
10	20.54		20.5	19.49	24.26	21.9
20						
Avg.	20.5	24.5	21.9	19.6	24.3	21.9

Depth (m)	Station 11			Station 12		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	18.15	18.00	18.1		17.84	17.8
10	18.18		18.2		17.89	17.9
20						
Avg.	18.2	18.0	18.1		17.9	17.9

Depth (m)	Station 13			Station 21		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0		17.40	17.4		15.22	15.2
10		17.38	17.4		15.37	15.4
20						
Avg.		17.4	17.4		15.3	15.3

Depth (m)	Station 22			Station		
	Cruise		Avg.	Cruise		Avg.
	1	5				
0		15.12	15.1			
10		15.10	15.1			
20						
Avg.		15.1	15.1			

Depth (m)	Station			Station		
	Cruise		Avg.	Cruise		Avg.
0						
10						
20						
Avg.						

Table 16.--Temperatures (°C), by station, winter season, southern outer shelf

Station 5				Station 10			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	20.73	24.55	22.6		24.06	24.1	
10	20.40	24.50	22.5		24.03	24.0	
20	18.81	24.50	21.7		22.91	22.9	
30	15.93	22.06	19.0				
50							
75							
Avg.	19.0	23.9	21.4		23.7	23.7	
100							
150							
200							
Avg.							

Station 14				Station 19			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0		22.08	22.1		21.07	21.1	
10		22.09	22.1		21.12	21.1	
20		21.96	22.0		20.93	20.9	
30		21.16	21.2		20.82	20.8	
50		21.03	21.0				
75							
Avg.		21.7	21.7		21.0	21.0	
100							
150							
200							
Avg.							

Station 20				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5					
0		17.70	17.7				
10		17.66	17.7				
20		17.93	17.9				
30							
50							
75							
Avg.		17.8	17.8				
100							
150							
200							
Avg.							

Table 17.--Temperatures (°C), by station, winter season, southern offshore

Depth (m)	Station 1			Station 2		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	24.30	24.88	24.6	24.80	24.98	24.9
10	24.29	24.91	24.6	24.70	24.96	24.8
20	24.27	24.83	24.5	24.64	24.87	24.8
30	24.26	24.82	24.5	24.65	24.87	24.8
50	24.23	24.80	24.5	24.29	24.88	24.6
75	24.15	24.60	24.4	22.74	24.61	23.7
Avg.	24.3	24.8	24.5	24.3	24.9	24.6
100	24.01	24.16	24.1	21.14	24.30	22.7
150	22.02	21.64	21.8	18.23	20.03	19.1
200	20.36	19.47	19.9	16.29	16.48	16.4
250	19.11	18.67	18.9	14.72	15.36	15.0
300	18.02	17.94	18.0	12.97	13.84	13.4
Avg.	20.7	20.4	20.5	16.7	18.0	17.3
400	16.30	15.12	15.7	9.48	10.11	9.8
500	13.80		13.8			
600						
800						
1000						
Avg.	15.1	15.1	15.1	9.5	10.1	9.8
Depth (m)	Station 6			Station 7		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	24.52	24.89	24.7	24.27	24.92	24.6
10	24.51	24.84	24.7	24.28	24.87	24.6
20	24.51	24.84	24.7	24.33	24.88	24.6
30	24.51	24.86	24.7	24.27	24.90	24.6
50	24.38	24.89	24.6	24.27	24.90	24.6
75	23.50	24.37	23.9	24.22	24.87	24.5
Avg.	24.3	24.8	24.6	24.3	24.9	24.6
100	22.80	23.47	23.1	24.11	24.65	24.4
150	21.96	20.51	21.2	22.35	22.44	22.4
200	18.83	17.73	18.3	20.41	20.18	20.3
250	14.56	16.45	15.5	18.17	18.79	18.5
300	11.48	14.98	13.2	16.44	17.74	17.1
Avg.	17.9	18.6	18.3	20.3	20.8	20.5
400		11.51	11.5		15.75	15.7
500						
600						
800						
1000						
Avg.		11.5	11.5		15.7	15.7

Table 17.--Temperatures ($^{\circ}\text{C}$), by station, winter season, southern off-shore--Continued

Depth (m)	Station 8			Station 9		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	24.44	24.80	24.6			
10	24.48	24.70	24.6			
20	24.48	24.74	24.6			
30	24.47	24.77	24.6			
50	24.46	24.77	24.6			
75	24.40	24.58	24.5			
Avg.	24.5	24.7	24.6			
100	24.20	24.17	24.2			
150	21.42	20.77	21.1			
200	19.35	18.79	19.1			
250	17.68	18.38	18.0			
300	16.25	17.96	17.1			
Avg.	19.8	20.0	19.9			
400	13.73	16.38	15.1			
500	11.42	12.87	12.1			
600	9.30	9.80	9.5			
800						
1000						
Avg.	11.5	13.0	12.3			
Depth (m)	Station 15			Station 16		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0		24.89	24.9		23.56	23.6
10		24.87	24.9		23.51	23.5
20		24.86	24.9		23.46	23.5
30		24.84	24.8		23.27	23.3
50		24.82	24.8		22.97	23.0
75		24.54	24.5		22.82	22.8
Avg.		24.8	24.8		23.3	23.3
100		24.26	24.3		22.64	22.6
150		21.05	21.1		22.16	22.2
200		18.70	18.7		19.95	19.9
250		17.86	17.9		18.96	19.0
300		16.72	16.7		18.20	18.2
Avg.		19.7	19.7		20.4	20.4
400		13.52	13.5		17.45	17.5
500		10.07	10.1		16.10	16.1
600		6.36	6.4		13.30	13.3
800						
1000						
Avg.		10.0	10.0		15.6	15.6

Table 17.-- Temperatures (°C), by station, winter season, southern off-shore--Continued

Depth (m)	Station 17			Station 18		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0		23.78	23.8	24.76	24.8	
10		23.76	23.8	24.74	24.7	
20		23.73	23.7	24.73	24.7	
30		23.58	23.6	24.79	24.8	
50		23.29	23.3	24.80	24.8	
75		22.92	22.9	24.62	24.6	
Avg.		23.5	23.5	24.7	24.7	
100		22.63	22.6	24.28	24.3	
150		21.84	21.8	22.03	22.0	
200		20.10	20.1	17.28	17.3	
250		18.97	19.0	13.70	13.7	
300		18.07	18.1	11.25	11.3	
Avg.		20.3	20.3	17.7	17.7	
400		16.40	16.4	8.32	8.3	
500		14.68	14.7			
600		12.03	12.0			
800						
1000						
Avg.		14.4	14.4	8.3	8.3	

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 18.--Temperatures (°C), by station, winter season, central inner shelf

Station 23				Station 34			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	16.11	14.39	15.3	14.80	13.09	13.9	
10	15.73	14.01	14.9	14.83	13.01	13.9	
20							
Avg.	15.9	14.2	15.1	14.8	13.1	13.9	

Station 35				Station 36			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	14.20	12.76	13.5	13.75	13.81	13.8	
10	14.11	13.15	13.6	13.70	13.78	13.7	
20							
Avg.	14.2	13.0	13.6	13.7	13.8	13.8	

Station 44				Station 45			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	13.39	12.46	12.9	13.50		13.5	
10	13.40	12.52	13.0	13.48		13.5	
20							
Avg.	13.4	12.5	12.9	13.5		13.5	

Station 46				Station 55			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	13.30	12.45	12.9	13.35	14.30	13.8	
10	13.16		13.2	13.29	14.02	13.7	
20							
Avg.	13.2	12.5	13.0	13.3	14.2	13.7	

Station 56				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5					
0		10.97	11.0				
10							
20							
Avg.		11.0	11.0				

Table 19.--Temperatures (°C), by station, winter season, central outer shelf

Depth (m)	Station 24			Station 25		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	17.27	16.50	16.9	18.18	20.47	19.3
10	17.28	16.13	16.7	18.19	20.41	19.3
20	17.30		17.3	18.22	20.34	19.3
30				18.16		18.2
50						
75						
Avg.	17.3	16.3	16.9	18.2	20.4	19.1
100						
150						
200						
Avg.						

Depth (m)	Station 26			Station 31		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	20.94	21.36	21.1			
10	20.91	21.34	21.1			
20	20.91	21.16	21.0			
30	20.55	20.70	20.6			
50	18.00	20.09	19.0			
75	12.02	19.93	16.0			
Avg.	18.9	20.8	19.8			
100	8.76	19.09	13.9			
150	6.88		6.9			
200						
Avg.	7.8	19.1	11.6			

Depth (m)	Station 32			Station 33		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	18.14		18.1	15.61	15.48	15.5
10	18.15		18.1	15.62	15.50	15.6
20	18.20		18.2	15.65		15.7
30	18.15		18.1			
50						
75						
Avg.	18.2		18.2	15.6	15.5	15.6
100						
150						
200						
Avg.						

Table 19.--Temperatures (°C), by station, winter season, central outer shelf--Continued

Station 37				Station 38		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	16.27	14.40	15.3	19.40	18.05	18.7
10	16.21	14.38	15.3	19.21	18.02	18.6
20	16.24	14.35	15.3	18.95	18.01	18.5
30	16.23		16.2	17.93	18.02	18.0
50						
75						
Avg.	16.2	14.4	15.4	18.9	18.0	18.4
100						
150						
200						
Avg.						

Station 42				Station 43		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	17.16	21.60	19.4	16.55	17.95	17.3
10	17.09	21.32	19.2	16.50	17.46	17.0
20	17.14	20.37	18.8	16.54	16.93	16.7
30	17.11	19.90	18.5			
50	17.02	18.96	18.0			
75	15.59	17.77	16.7			
Avg.	16.9	20.0	18.4	16.5	17.4	17.0
100						
150						
200						
Avg.						

Station 47				Station 48		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	16.80	18.44	17.6	19.71	19.41	19.6
10	16.74	17.39	17.1	19.61	19.17	19.4
20	16.74	17.17	17.0	19.66	19.10	19.4
30				18.64	19.09	18.9
50				16.88	18.96	17.9
75				13.62	18.60	16.1
Avg.	16.8	17.7	17.2	18.0	19.1	18.5
100				12.25	17.98	15.1
150				11.18	15.97	13.6
200				10.69		10.7
Avg.				11.4	17.0	13.6

Table 19.--Temperatures (°C), by station, winter season, central outer shelf--Continued

Depth (m)	Station 53		Avg.	Station 54		Avg.
	Cruise			Cruise		
	1	5		1	5	
0	20.18	19.85	20.0	14.12	18.56	16.3
10	20.08	19.80	19.9	15.55	18.53	17.0
20	19.73	19.78	19.8	15.62	17.41	16.5
30	18.04	19.72	18.9			
50	17.18	19.61	18.4			
75	14.73	18.74	16.7			
Avg.	18.3	19.6	19.0	15.1	18.2	16.6
100	13.25	17.86	15.6			
150	11.14	16.11	13.6			
200						
Avg.	12.2	17.0	14.6			

Depth (m)	Station	Avg.	Station	Avg.
	Cruise		Cruise	
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m)	Station	Avg.	Station	Avg.
	Cruise		Cruise	
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 20.--Temperatures (°C), by station, winter season, central offshore

Depth (m)	Station 27		Avg.	Station 28		Avg.
	Cruise			Cruise		
	1	5		1	5	
0					23.49	23.5
10					23.46	23.5
20					23.44	23.4
30					23.47	23.5
50					23.49	23.5
75					23.41	23.4
Avg.					23.5	23.5
100					23.35	23.3
150					22.64	22.6
200					20.31	20.3
250					19.60	19.6
300					19.06	19.1
Avg.					21.0	21.0
400						
500						
600						
800						
1000						
Avg.						

Depth (m)	Station 29		Avg.	Station 30		Avg.
	Cruise			Cruise		
	1	5		1	5	
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 20.--Temperatures (°C), by station, winter season, central off-shore--Continued

Depth (m)	Station 39			Station 40		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	24.10	23.38	23.7	24.47	23.97	24.2
10	23.94	23.34	23.6	24.46	23.90	24.2
20	23.93	23.07	23.5	24.46	23.89	24.2
30	23.04	22.44	22.7	24.46	23.91	24.2
50	21.35	21.27	21.3	24.43	23.94	24.2
75	19.73	19.96	19.8	23.65	23.94	23.8
Avg.	22.7	22.2	22.5	24.3	23.9	24.1
100	18.69		18.7	22.71	23.83	23.3
150	16.64		16.6	21.08	22.28	21.7
200	14.63		14.6		20.16	20.2
250	12.63		12.6		18.92	18.9
300	10.76		10.8		17.10	17.1
Avg.	14.7		14.7	21.9	20.5	20.9
400					12.48	12.5
500						
600						
800						
1000						
Avg.					12.5	12.5
Depth (m)	Station 41			Station 49		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	24.63	23.39	24.0	23.64	23.27	23.5
10	24.62	23.37	24.0	23.59	23.24	23.4
20	24.63	23.29	24.0	22.35	23.23	22.8
30	24.61	23.18	23.9	20.70	22.91	21.8
50	24.36	23.09	23.7	18.34	21.26	19.8
75	23.88	22.82	23.3	17.81	19.73	18.8
Avg.	24.5	23.2	23.8	21.1	22.3	21.7
100	23.20	21.14	22.2	17.30	18.52	17.9
150	21.30	16.92	19.1	15.23	16.96	16.1
200	19.42	14.15	16.8	12.45	15.46	14.0
250	18.44	12.25	15.3	9.78	13.85	11.8
300	17.62	11.05	14.3			
Avg.	20.0	15.1	17.5	13.7	16.2	14.9
400		9.52	9.5			
500						
600						
800						
1000						
Avg.		9.5	9.5			

Table 20.--Temperatures (°C), by station, winter season, central off-shore--Continued

Station 50				Station 51			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	24.20	23.91	24.1	24.03	21.46	22.7	
10	24.15	23.91	24.0	23.91	21.51	22.7	
20	24.18	23.87	24.0	23.93	21.47	22.7	
30	24.19	23.87	24.0	23.96	21.15	22.6	
50	24.15	23.84	24.0	23.50	20.55	22.0	
75	24.01	23.46	23.7	21.90	19.99	20.9	
Avg.	24.1	23.8	24.0	23.5	21.0	22.3	
100	23.32	22.49	22.9	19.90	18.56	19.2	
150	20.63	21.05	20.8	16.19	14.39	15.3	
200	18.51	18.77	18.6	14.23	12.49	13.4	
250	16.83	16.56	16.7		10.85	10.9	
300	15.45	15.40	15.4		9.49	9.5	
Avg.	18.9	18.9	18.9	16.8	13.2	14.5	
400	13.18	11.80	12.5		7.56	7.6	
500	11.06		11.1		6.46	6.5	
600							
800							
1000							
Avg.	12.1	11.8	12.0		7.0	7.0	

Station 52				Station		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	1	5				
0	19.12	20.89	20.0			
10	18.94	20.92	19.9			
20	18.94	20.75	19.8			
30	18.19	20.26	19.2			
50	15.23	19.42	17.3			
75	13.25	18.91	16.1			
Avg.	17.3	20.2	18.7			
100	12.35	18.18	15.3			
150	10.88	16.09	13.5			
200	9.84	12.59	11.2			
250	9.38	11.23	10.3			
300		10.18	10.2			
Avg.	10.6	13.7	12.3			
400						
500						
600						
800						
1000						
Avg.						

Table 21.--Temperatures (°C), by station, winter season, northern inner shelf

Station 57				Station 58			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	12.10		12.1	12.67	14.22	13.4	
10	14.14		14.1	12.81	14.16	13.5	
20							
Avg.	13.1		13.1	12.7	14.2	13.5	

Station 67				Station 68			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0		12.14	12.1		14.00	14.0	
10		11.91	11.9		13.12	13.1	
20							
Avg.		12.0	12.0		13.6	13.6	

Station 69				Station 76			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	13.64	11.43	12.5		15.58	15.6	
10	13.56	11.51	12.5		16.56	16.6	
20							
Avg.	13.6	11.5	12.5		16.1	16.1	

Station 77				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5					
0	14.65	14.77	14.7				
10		14.76	14.8				
20		16.05	16.1				
Avg.	14.7	15.2	15.1				

Station				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
0							
10							
20							
Avg.							

Table 22.--Temperatures (°C), by station, winter season, northern outer shelf

Station 59				Station 60		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	18.10	17.58	17.8	20.38		20.4
10	18.21	17.59	17.9	20.24		20.2
20	18.22	17.56	17.9	19.99		20.0
30				19.88		19.9
50				17.40		17.4
75				16.71		16.7
Avg.	18.2	17.6	17.9	19.1		19.1
100				15.87		15.9
150						
200						
Avg.				15.9		15.9

Station 65				Station 66		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0		20.75	20.7		18.26	18.3
10		20.76	20.8		18.24	18.2
20		20.73	20.7		14.30	14.3
30		20.64	20.6			
50						
75						
Avg.		20.7	20.7		16.9	16.9
100						
150						
200						
Avg.						

Station 70				Station 71		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	15.90	18.45	17.2	20.81	21.60	21.2
10	15.20	18.45	16.8	20.37	21.60	21.0
20	14.54	18.41	16.5	20.00	21.49	20.7
30				19.74	21.25	20.5
50					20.78	20.8
75					20.38	20.4
Avg.	15.2	18.4	16.8	20.2	21.2	20.8
100					20.14	20.1
150						
200						
Avg.					20.1	20.1

Table 22.--Temperatures (°C), by station, winter season, northern outer shelf--Continued

Depth (m)	Station 75		Avg.	Station 78		Avg.
	Cruise			Cruise		
	1	5		1	5	
0	16.87	21.59	19.2			
10	16.94	21.59	19.3			
20	17.15	20.89	19.0			
30		20.17	20.2			
50						
75						
Avg.	17.0	21.1	19.3			
100						
150						
200						
Avg.						

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Table 23 -- Temperatures (°C), by station, winter season, northern offshore

Station 61				Station 62			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0	20.17	20.28	20.2	24.16	21.05	22.6	
10	20.10	20.29	20.2	24.14	21.09	22.6	
20	19.36	20.26	19.8	24.15	21.07	22.6	
30	19.14	20.25	19.7	24.14	20.98	22.6	
50	17.87	20.24	19.1	24.13	20.78	22.5	
75	17.30	19.69	18.5	23.97	20.52	22.2	
Avg.	19.0	20.2	19.6	24.1	20.9	22.5	
100	16.57	18.07	17.3	23.31	19.10	21.2	
150	12.81	13.96	13.4	21.50	15.06	18.3	
200	11.26	12.13	11.7	19.55	12.61	16.1	
250	9.64	10.22	9.9	18.55	10.79	14.7	
300		8.68	8.7	17.67	9.73	13.7	
Avg.	12.6	12.6	12.6	20.1	13.5	16.8	
400				15.75	7.84	11.8	
500				13.12	6.06	9.6	
600				9.99		10.0	
300							
1000							
Avg.				13.0	6.9	10.6	

Station 63				Station 64			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	1	5		1	5		
0		22.47	22.5		21.39	21.4	
10		22.49	22.5		21.40	21.4	
20		22.52	22.5		21.36	21.4	
30		22.45	22.5		21.09	21.1	
50		21.87	21.9		20.59	20.6	
75		20.21	20.2		20.14	20.1	
Avg.		22.0	22.0		21.0	21.0	
100		18.49	18.5		19.16	19.2	
150		15.06	15.1		16.18	16.2	
200		12.53	12.5		13.44	13.4	
250		11.05	11.1				
300		9.74	9.7				
Avg.		13.4	13.4		16.3	16.3	
400		7.87	7.9				
500		7.03	7.0				
600		5.97	6.0				
800							
1000							
Avg.		7.0	7.0				

Table 23.--Temperatures (°C), by station, winter season, northern off-shore--Continued

Depth (m)	Station 72			Station 73		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	24.15		24.1			
10	24.12		24.1			
20	24.11		24.1			
30	24.08		24.1			
50	23.95		23.9			
75	23.36		23.4			
Avg.	24.0		24.0			
100	22.64		22.6			
150	20.72		20.7			
200	19.03		19.0			
250	17.85		17.9			
300	16.84		16.8			
Avg.	19.4		19.4			
400	15.00		15.0			
500	13.14		13.1			
600						
800						
1000						
Avg.	14.1		14.1			
Depth (m)	Station 74			Station 79		
	Cruise		Avg.	Cruise		Avg.
	1	5		1	5	
0	23.44		23.4			
10	23.57		23.6			
20	23.50		23.5			
30	23.40		23.4			
50	23.15		23.1			
75	22.45		22.5			
Avg.	23.3		23.3			
100	20.85		20.9			
150	17.13		17.1			
200						
250						
300						
Avg.	19.0		19.0			
400						
500						
600						
800						
1000						
Avg.						

Table 24.--Temperatures (°C), by station, spring season, southern inner shelf

Station 3				Station 4			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	22.91	25.19	24.1	22.86	24.60	23.7	
10	22.86	25.21	24.0	22.82	24.59	23.7	
20							
Avg.	22.9	25.2	24.0	22.8	24.6	23.7	

Station 11				Station 12			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	22.73	24.59	23.7	21.37	23.97	22.7	
10				21.13	23.71	22.4	
20							
Avg.	22.7	24.6	23.7	21.3	23.8	22.5	

Station 13				Station 21			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0		23.21	23.2	21.11		21.1	
10	21.65	22.91	22.3	21.03		21.0	
20							
Avg.	21.7	23.1	22.6	21.1		21.1	

Station 22				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6					
0	20.84		20.8				
10	20.79		20.8				
20							
Avg.	20.8		20.8				

Station				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
0							
10							
20							
Avg.							

Table 25.-- Temperatures ($^{\circ}\text{C}$), by station, spring season, southern outer shelf

Depth (m)	Station 5			Station 10		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	23.90	24.99	24.4	24.20	24.84	24.5
10	23.56	23.98	23.8	23.52	24.84	24.2
20	20.70	21.02	20.9	19.73	23.74	21.7
30	18.99	19.24	19.1		21.17	21.2
50						
75						
Avg.	21.8	22.3	22.0	22.5	23.6	23.1
100						
150						
200						
Avg.						

Depth (m)	Station 14			Station 19		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	24.97	25.66	25.3	22.68		22.7
10	25.00	25.41	25.2	22.72		22.7
20	24.95	24.29	24.6	22.74		22.7
30	24.90	23.67	24.3	20.18		20.2
50		20.51	20.5			
75						
Avg.	25.0	23.9	24.4	22.1		22.1
100						
150						
200						
Avg.						

Depth (m)	Station 20			Station		
	Cruise		Avg.	Cruise		Avg.
	2	6				
0	21.75		21.7			
10	21.74		21.7			
20	21.30		21.3			
30						
50						
75						
Avg.	21.6		21.6			
100						
150						
200						
Avg.						

Table 26.--Temperatures (°C), by station, spring season, southern off-shore

Depth (m)	Station 1			Station 2		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	26.70	26.24	26.5	25.22	26.00	25.6
10	26.03	26.25	26.1	25.20	26.00	25.6
20	25.99	26.21	26.1	25.15	25.99	25.6
30	25.98	26.21	26.1	24.84	25.97	25.4
50	25.96	26.21	26.1	23.49	25.86	24.7
75	25.47	25.98	25.7	20.92	25.79	23.4
Avg.	26.0	26.2	26.1	24.1	25.9	25.0
100	24.57	25.68	25.1	17.94	25.15	21.5
150	21.59	22.42	22.0	12.61	22.13	17.4
200	19.05	20.06	19.6		17.57	17.6
250	17.11	18.86	18.0		15.91	15.9
300	15.40	17.75	16.6		14.27	14.3
Avg.	19.5	21.0	20.2	15.3	19.0	17.9
400	12.18	15.79	14.0		11.06	11.1
500		13.92	13.9		9.63	9.6
600		11.46	11.5			
800						
1000						
Avg.	12.2	13.7	13.3		10.3	10.3

Depth (m)	Station 6			Station 7		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	26.21	26.45	26.3	25.90	26.20	26.1
10	25.93	26.44	26.2	25.90	26.19	26.0
20	25.90	26.46	26.2	25.90	26.21	26.1
30	25.88	26.47	26.2	25.88	26.21	26.0
50	25.55	26.42	26.0	25.82	26.18	26.0
75	23.57	25.43	24.5	25.12	26.15	25.6
Avg.	25.5	26.3	25.9	25.8	26.2	26.0
100	21.66	22.51	22.1	23.93	25.80	24.9
150	18.93	19.65	19.3	21.13	22.57	21.9
200	16.90	16.78	16.8	19.64	20.50	20.1
250	14.42	13.87	14.1	18.36	18.82	18.6
300		11.01	11.0	17.15	17.49	17.3
Avg.	18.0	16.8	17.3	20.0	21.0	20.5
400				14.38	15.34	14.9
500						
600						
800						
1000						
Avg.				14.4	15.3	14.9

Table 26.--Temperatures ($^{\circ}\text{C}$), by station, spring season, southern off-shore--Continued

Depth (m)	Station 8			Station 9		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	25.90	26.27	26.1	25.65	26.44	26.0
10	25.93	26.27	26.1	25.66	26.43	26.0
20	25.96	26.25	26.1	25.65	26.47	26.1
30	25.96	26.20	26.1	25.60	26.48	26.0
50	25.93	26.05	26.0	24.59	26.47	25.5
75	24.74	25.87	25.3	22.56	26.15	24.4
Avg.	25.7	26.2	25.9	25.0	26.4	25.7
100	23.31	25.45	24.4	21.10	24.44	22.8
150	20.46	23.91	22.2	19.05	19.53	19.3
200	19.49	21.32	20.4	16.87	17.82	17.3
250	18.27	18.99	18.6		14.14	14.1
300	17.09	17.00	17.0			
Avg.	19.7	21.3	20.5	19.0	19.0	19.0
400	14.65	14.03	14.3			
500	11.91	11.09	11.5			
600	9.56	9.11	9.3			
300						
1000						
Avg.	12.0	11.4	11.7			

Depth (m)	Station 15			Station 16		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	26.00	26.79	26.4	25.70	26.30	26.0
10	26.02	26.52	26.3	25.76	26.35	26.1
20	26.03	26.40	26.2	25.78	26.20	26.0
30	26.01	26.28	26.1	24.85	26.18	25.5
50	26.00	26.05	26.0	23.59	26.16	24.9
75	25.34	25.83	25.6	23.31	25.92	24.6
Avg.	25.9	26.3	26.1	24.8	26.2	25.5
100	24.68	25.25	25.0	22.88	25.36	24.1
150	22.20	21.95	22.1	21.48	23.43	22.5
200	19.88	18.87	19.4	19.92	21.94	20.9
250	19.07	16.70	17.9	19.08	19.79	19.4
300	18.19	15.05	16.6	18.32	18.13	18.2
Avg.	20.8	19.6	20.2	20.3	21.7	21.0
400	16.43	11.25	13.8	16.58	15.98	16.3
500	13.94	8.08	11.0	13.88	12.92	13.4
600	10.73		10.7	11.53	10.32	10.9
800						
1000						
Avg.	13.7	9.7	12.1	14.0	13.1	13.5

Table 26.--Temperatures (°C), by station, spring season, southern off-shore--Continued

Depth (m)	Station 17			Station 18		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	26.00	26.10	26.1	25.80	25.8	
10	25.96	26.16	26.1	25.75	25.7	
20	25.51	26.03	25.8	25.72	25.7	
30	24.77	25.94	25.4	25.51	25.5	
50	23.83	25.79	24.8	24.48	24.5	
75	23.08	25.60	24.3	22.33	22.3	
Avg.	24.9	25.9	25.4	24.9	24.9	
100	22.47	25.21	23.8	20.32	20.3	
150	20.73	23.48	22.1	18.33	18.3	
200	19.82	21.17	20.5			
250	18.95	19.22	19.1			
300	17.97	17.88	17.9			
Avg.	20.0	21.4	20.7	19.3	19.3	
400	15.54	15.89	15.7			
500	12.84	13.96	13.4			
600	9.93	11.49	10.7			
800						
1000						
Avg.	12.8	13.8	13.3			

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 27.--Temperatures (°C), by station, spring season, central inner shelf

Station 23				Station 34			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	20.75		20.7	19.79		19.8	
10	20.55		20.5	19.80		19.8	
20							
Avg.	20.7		20.7	19.8		19.8	

Station 35				Station 36			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	22.11		22.1	21.98		22.0	
10	20.90		20.9	21.21		21.2	
20							
Avg.	21.5		21.5	21.6		21.6	

Station 44				Station 45			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	22.01		22.0	22.04		22.0	
10	19.59		19.6	19.04		19.0	
20							
Avg.	20.8		20.8	20.5		20.5	

Station 46				Station 55			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	22.31		22.3	22.35		22.3	
10				20.34		20.3	
20							
Avg.	22.3		22.3	21.3		21.3	

Station 56				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6					
0	21.26		21.3				
10							
20							
Avg.	21.3		21.3				

Table 28.--Temperatures (°C), by station, spring season, central outer shelf

Depth (m)	Station 24			Station 25		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	21.19		21.2	21.62		21.6
10	21.18		21.2	21.65		21.7
20	21.09		21.1	21.17		21.2
30						
50						
75						
Avg.	21.2		21.2	21.5		21.5
100						
150						
200						
Avg.						

Depth (m)	Station 26			Station 31		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	23.24		23.2	22.74		22.7
10	23.23		23.2	22.73		22.7
20	23.16		23.2	22.66		22.7
30	22.94		22.9	22.66		22.7
50	21.51		21.5			
75	18.02		18.0			
Avg.	22.0		22.0	22.7		22.7
100	13.98		14.0			
150						
200						
Avg.	14.0		14.0			

Depth (m)	Station 32			Station 33		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	20.55		20.5	19.93		19.9
10	20.52		20.5	20.00		20.0
20	20.70		20.7			
30	20.81		20.8			
50						
75						
Avg.	20.6		20.6	20.0		20.0
100						
150						
200						
Avg.						

Table 28--Temperatures (°C), by station, spring season, central outer shelf--Continued

Depth (m)	Station 37			Station 38		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	22.78		22.8	23.34		23.3
10	21.97		22.0	23.26		23.3
20	21.23		21.2	22.33		22.3
30				18.27		18.3
50						
75						
Avg.	22.0		22.0	21.8		21.8
100						
150						
200						
Avg.						

Depth (m)	Station 42			Station 43		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	22.16		22.2	22.63		22.6
10	21.89		21.9	22.34		22.3
20	20.94		20.9	20.12		20.1
30	19.05		19.1			
50	16.57		16.6			
75	14.84		14.8			
Avg.	19.2		19.2	21.7		21.7
100	13.30		13.3			
150						
200						
Avg.	13.3		13.3			

Depth (m)	Station 47			Station 48		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	22.32		22.3	24.25		24.3
10	20.20		20.2	24.13		24.1
20	18.06		18.1	22.58		22.6
30				21.11		21.1
50				18.71		18.7
75				17.20		17.2
Avg.	20.2		20.2	21.3		21.3
100				15.86		15.9
150				13.73		13.7
200				10.46		10.5
Avg.				13.3		13.3

Table 28.--Temperatures (°C), by station, spring season, central outer shelf--Continued

Depth (m)	Station 53		Avg.	Station 54		Avg.
	Cruise			Cruise		
	2	6		2	6	
0	24.57		24.6	22.03		22.0
10	24.59		24.6	22.04		22.0
20	24.60		24.6	21.00		21.0
30	23.99		24.0			
50	22.62		22.6			
75	20.42		20.4			
Avg.	23.5		23.5	21.7		21.7
100	18.36		18.4			
150	14.64		14.6			
200						
Avg.	16.5		16.5			

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Table 29.--Temperatures (°C), by station, spring season, central offshore

Depth (m)	Station 27			Station 28		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	25.70		25.7	25.80	25.8	
10	25.65		25.7	25.75	25.7	
20	25.63		25.6	25.68	25.7	
30	25.62		25.6	25.63	25.6	
50	24.80		24.8	24.39	24.4	
75	23.30		23.3	22.61	22.6	
Avg.	25.1		25.1	25.0	25.0	
100	21.40		21.4	22.17	22.2	
150	18.90		18.9	21.02	21.0	
200	17.00		17.0	20.01	20.0	
250	15.15		15.1	19.03	19.0	
300				18.05	18.1	
Avg.	18.1		18.1	20.1	20.1	
400				16.05	16.1	
500				13.95	13.9	
600						
800						
1000						
Avg.				15.0	15.0	

Depth (m)	Station 29			Station 30		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	25.80		25.8	25.20	25.2	
10	25.77		25.8	24.98	25.0	
20	25.75		25.7	24.86	24.9	
30	25.73		25.7	24.53	24.5	
50	24.77		24.8	23.79	23.8	
75	23.42		23.4	22.18	22.2	
Avg.	25.2		25.2	24.3	24.3	
100	22.28		22.3	19.80	19.8	
150	20.31		20.3	17.95	17.9	
200	19.61		19.6	16.35	16.3	
250	18.70		18.7	14.36	14.4	
300	17.61		17.6	12.18	12.2	
Avg.	19.7		19.7	16.1	16.1	
400	14.74		14.7			
500	10.44		10.4			
600						
800						
1000						
Avg.	12.6		12.6			

Table 29.-- Temperatures (°C), by station, spring season, central offshore--
Continued

Depth (m)	Station 39			Station 40		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	25.74		25.7	26.77		26.8
10	25.59		25.6	26.71		26.7
20	24.75		24.7	26.54		26.5
30	23.77		23.8	26.31		26.3
50	22.40		22.4	25.40		25.4
75	19.84		19.8	23.86		23.9
Avg.	23.7		23.7	25.9		25.9
100	16.59		16.6	23.00		23.0
150	13.40		13.4	21.16		21.2
200	10.90		10.9	19.49		19.5
250				18.43		18.4
300				17.82		17.8
Avg.	13.6		13.6	20.0		20.0
400				15.50		15.5
500						
600						
800						
1000						
Avg.				15.5		15.5
Depth (m)	Station 41			Station 49		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	27.00		27.0	23.77		23.8
10	26.96		27.0	23.76		23.8
20	26.80		26.8	23.58		23.6
30	26.52		26.5	22.52		22.5
50	25.73		25.7	19.96		20.0
75	24.34		24.3	16.42		16.4
Avg.	26.2		26.2	21.7		21.7
100	22.49		22.5	14.63		14.6
150	19.29		19.3	12.39		12.4
200	15.99		16.0	9.25		9.3
250				7.11		7.1
300						
Avg.	19.3		19.3	10.8		10.8
400						
500						
600						
800						
1000						
Avg.						

Table 30.--Temperatures (°C), by station, spring season, northern inner shelf

Station 57				Station 58			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	21.47		21.5	21.24		21.2	
10	21.00		21.0	19.41		19.4	
20							
Avg.	21.2		21.2	20.3		20.3	

Station 67				Station 68			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	20.63		20.6	21.14		21.1	
10	19.50		19.5	20.32		20.3	
20							
Avg.	20.1		20.1	20.7		20.7	

Station 69				Station 76			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	21.02		21.0	19.85		19.9	
10	20.29		20.3	19.84		19.8	
20							
Avg.	20.7		20.7	19.8		19.8	

Station 77				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6					
0	20.05		20.1				
10	20.04		20.0				
20							
Avg.	20.1		20.1				

Station				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
0							
10							
20							
Avg.							

Table 31.-- Temperatures (°C), by station, spring season, northern outer shelf

Station 59				Station 60			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	21.39		21.4	21.75		21.7	
10	21.00		21.0	21.73		21.7	
20				22.41		22.4	
30				21.11		21.1	
50				19.15		19.1	
75				17.89		17.9	
Avg.	21.2		21.2	20.7		20.7	
100				16.00		16.0	
150				14.12		14.1	
200				12.33		12.3	
Avg.				14.1		14.1	

Station 65				Station 66			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	21.94		21.9	21.20		21.2	
10	21.98		22.0	20.83		20.8	
20	21.69		21.7	19.46		19.5	
30	20.17		20.2				
50							
75							
Avg.	21.4		21.4	20.5		20.5	
100							
150							
200							
Avg.							

Station 70				Station 71			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	2	6		2	6		
0	20.78		20.8	25.23		25.2	
10	20.14		20.1	25.27		25.3	
20	19.21		19.2	25.00		25.0	
30				24.90		24.9	
50				24.36		24.4	
75				23.06		23.1	
Avg.	20.0		20.0	24.6		24.6	
100				21.48		21.5	
150							
200							
Avg.				21.5		21.5	

Table 31.-- Temperatures (°C), by station, spring season, northern outer shelf--Continued

Depth (m)	Station 75		Avg.	Station 78		Avg.
	Cruise			Cruise		
	2	6		2	6	
0	21.25		21.3	19.96		20.0
10	21.24		21.2	19.94		19.9
20	20.74		20.7	19.76		19.8
30	19.99		20.0			
50						
75						
Avg.	20.8		20.8	19.9		19.9
100						
150						
200						
Avg.						

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Table 32.-- Temperatures (°C), by station, spring season, northern offshore

Depth (m)	Station 61		Avg.	Station 62		Avg.
	Cruise			Cruise		
	2	6		2	6	
0	24.08		24.1	26.00		26.0
10	23.61		23.6	25.80		25.8
20	23.58		23.6	25.75		25.7
30	21.29		21.3	25.48		25.5
50	17.25		17.3	24.66		24.7
75	13.22		13.2	22.99		23.0
Avg.	20.5		20.5	25.1		25.1
100	11.15		11.1	21.56		21.6
150	9.72		9.7	19.87		19.9
200	8.82		8.8	17.79		17.8
250	8.25		8.3	17.00		17.0
300	7.93		7.9	16.37		16.4
Avg.	9.2		9.2	18.5		18.5
400	7.59		7.6	15.19		15.2
500						
600						
800						
1000						
Avg.	7.6		7.6	15.2		15.2

Depth (m)	Station 63		Avg.	Station 64		Avg.
	Cruise			Cruise		
	2	6		2	6	
0	25.04		25.0	23.62		23.6
10	24.90		24.9	23.55		23.5
20	24.79		24.8	19.50		19.5
30	24.69		24.7	19.20		19.2
50	23.49		23.5	18.69		18.7
75	21.35		21.3			
Avg.	24.0		24.0	20.9		20.9
100	18.15		18.1			
150	14.77		14.8			
200						
250						
300						
Avg.	16.5		16.5			
400						
500						
600						
800						
1000						
Avg.						

Table 32.--Temperatures (°C), by station, spring season, northern off-shore--Continued

Depth (m)	Station 72			Station 73		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	25.40		25.4	25.74	25.7	
10	25.44		25.4	25.74	25.7	
20	25.23		25.2	25.77	25.8	
30	24.42		24.4	25.67	25.7	
50	23.25		23.3	25.21	25.2	
75	21.60		21.6	23.75	23.7	
Avg.	24.2		24.2	25.3	25.3	
100	19.85		19.9	22.63	22.6	
150	14.95		14.9	21.39	21.4	
200	13.58		13.6	20.08	20.1	
250	12.80		12.8	18.80	18.8	
300	12.02		12.0	18.18	18.2	
Avg.	14.6		14.6	20.2	20.2	
400	8.88		8.9	16.31	16.3	
500						
600						
800						
1000						
Avg.	8.9		8.9	16.3	16.3	

Depth (m)	Station 74			Station 79		
	Cruise		Avg.	Cruise		Avg.
	2	6		2	6	
0	25.98		26.0	25.35	25.3	
10	25.98		26.0	25.36	25.4	
20	25.98		26.0	25.38	25.4	
30	25.63		25.6	25.37	25.4	
50	24.85		24.9	24.66	24.7	
75	23.66		23.7	22.98	23.0	
Avg.	25.3		25.3	24.9	24.9	
100	22.48		22.5	21.41	21.4	
150	20.10		20.1	18.50	18.5	
200	18.29		18.3	15.85	15.9	
250	17.29		17.3	13.48	13.5	
300	15.46		15.5	11.41	11.4	
Avg.	18.7		18.7	16.1	16.1	
400	11.79		11.8			
500	7.35		7.3			
600	5.33		5.3			
800	4.18		4.2			
1000	4.00		4.0			
Avg.	6.5		6.5			

Table 32.--Temperatures (°C), by station, spring season, northern off-shore--Continued

Depth (m)	Station 80		Avg.	Station		Avg.
	Cruise			Cruise		
	2	6				
0	25.69		25.7			
10	25.65		25.7			
20	25.64		25.6			
30	25.64		25.6			
50	25.40		25.4			
75	23.63		23.6			
Avg.	25.3		25.3			
100	22.30		22.3			
150	20.83		20.8			
200	19.73		19.7			
250	19.00		19.0			
300	18.27		18.3			
Avg.	20.0		20.0			
400	16.88		16.9			
500	15.03		15.0			
600	12.44		12.4			
800	7.15		7.1			
1000	4.73		4.7			
Avg.	11.2		11.2			

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 33.--Temperatures (°C), by station, summer season, southern inner shelf

Depth (m)	Station 3				Station 4			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.72	26.38	28.78	27.6	27.52	27.10	28.92	27.8
10	27.93	26.05	28.24	27.4	27.10	26.02	28.18	27.1
20							27.97	28.0
Avg.	27.8	26.2	28.5	27.5	27.3	26.6	28.4	27.5

Depth (m)	Station 11				Station 12			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.47	26.85	28.97	27.8	27.28	26.66	28.29	27.4
10			28.40	28.4	27.29	26.32	27.86	27.2
20								
Avg.	27.5	26.9	28.7	27.9	27.3	26.5	28.1	27.3

Depth (m)	Station 13				Station 21			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.18	26.59	28.61	27.5	27.34	27.56	28.33	27.7
10	27.14	26.56	28.16	27.3	26.81	27.52	28.33	27.6
20								
Avg.	27.2	26.6	28.4	27.4	27.1	27.5	28.3	27.6

Depth (m)	Station 22				Station			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.01	27.38	28.36	27.9				
10	27.34	27.30	28.34	27.7				
20								
Avg.	27.7	27.3	28.3	27.8				

Depth (m)	Station				Station			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0								
10								
20								
Avg.								

Table 34.--Temperatures ($^{\circ}\text{C}$), by station, summer season, southern outer shelf

Depth (m)	Station 5				Station 10			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.94	27.24	29.24	28.1	27.77	28.30	28.81	28.3
10	25.60	26.85	28.97	27.1	27.17	27.82	28.35	27.8
20	22.20	24.49	28.28	25.0	22.12	26.87	28.20	25.7
30	21.02			21.0				
50								
75								
Avg.	24.2	26.2	28.8	26.2	25.7	27.7	28.5	27.3
100								
150								
200								
Avg.								

Depth (m)	Station 14				Station 19			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.45	26.85	29.17	28.2	27.78	27.09	28.52	27.8
10	28.28	26.72	28.98	28.0	27.81	27.07	28.39	27.8
20	27.24	26.30	28.62	27.4	27.81	26.92	28.35	27.7
30	22.86	25.97	28.10	25.6	25.57	26.75	28.17	26.8
50	21.51	25.35	26.56	24.5				
75								
Avg.	25.7	26.2	28.3	26.7	27.2	27.0	28.4	27.5
100								
150								
200								
Avg.								

Depth (m)	Station 20				Station			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.49	27.01	28.15	27.5				
10	27.30	27.01	28.19	27.5				
20	27.23	26.74	28.16	27.4				
30								
50								
75								
Avg.	27.3	26.9	28.2	27.5				
100								
150								
200								
Avg.								

Table 35 - Temperatures (°C), by station, summer season, southern offshore

Depth (m)	Station 1				Station 2			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.80	28.00	28.65	28.5	28.91	27.99	29.05	28.7
10	28.67	27.98	28.67	28.4	28.81	28.07	29.05	28.6
20	28.51	27.90	28.62	28.3	28.75	27.52	28.58	28.3
30	28.12	27.83	28.59	28.2	28.50	26.46	27.90	27.6
50	27.23	27.69	28.05	27.7	27.70	24.52	26.81	26.3
75	25.88	25.54	26.39	25.9	26.21	22.38	26.47	25.0
Avg.	27.9	27.5	28.2	27.8	28.1	26.2	28.0	27.4
100	24.57	23.74	24.83	24.4	24.42	20.65	25.73	23.6
150	22.09	21.23	22.11	21.8	20.77	18.41	23.06	20.7
200	20.05	18.79	20.35	19.7	17.98	16.84	19.79	18.2
250	19.11	18.29	19.62	19.0	14.87	14.84	17.88	15.9
300	18.37	17.50	18.66	18.2		12.69	16.09	14.4
Avg.	20.8	19.9	21.1	20.6	19.5	16.7	20.5	18.9
400	16.65	15.04	16.48	16.1		7.97	12.88	10.4
500		13.02		13.0			8.88	8.9
600								
800								
1000						8.0	10.9	9.9
Avg.	16.7	14.0	16.5	15.3		8.0	10.9	9.9

Depth (m)	Station 6				Station 7			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.70	28.37	29.19	28.8	28.66	28.08	28.56	28.4
10	28.69	28.29	29.20	28.7	28.66	27.85	28.56	28.4
20	28.68	28.09	28.62	28.5	28.68	27.86	28.46	28.3
30	28.52	27.45	27.86	27.9	28.38	27.81	28.01	28.1
50	27.97	26.06	26.85	27.0	27.57	27.19	27.16	27.3
75	26.93	23.89	25.91	25.6	25.93	25.42	26.20	25.9
Avg.	28.2	27.0	27.9	27.7	28.0	27.4	27.8	27.7
100	25.70	22.10	25.18	24.3	24.38	23.82	25.28	24.5
150	21.48	19.49	23.01	21.3	22.21	21.13	21.60	21.6
200	18.85	17.42	18.53	18.3	19.90	19.39	20.17	19.8
250	15.96	16.34	14.95	15.7	18.72	18.62	19.21	18.9
300	12.86	14.81	12.30	13.3	18.36	17.73	18.12	18.1
Avg.	19.0	18.0	18.8	18.6	20.7	20.1	20.9	20.6
400					16.85	15.65	15.52	16.0
500					13.16		13.43	13.3
600								
800								
1000								
Avg.					15.0	15.7	14.5	14.9

Table 35.--Temperatures (°C), by station, summer season, southern off-shore--Continued

Station 8					Station 9				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8		3	7	8		
0	28.82	27.65	28.36	28.3	29.12	28.40	28.97	28.8	
10	28.81	27.65	28.40	28.3	29.04	28.10	28.92	28.7	
20	28.50	27.66	28.34	28.2	28.94	27.91	28.80	28.5	
30	28.03	27.61	27.76	27.8	28.56	27.89	28.13	28.2	
50	27.35	27.19	26.91	27.1	27.91	27.14	27.14	27.4	
75	26.85	25.94	26.58	26.5	26.72	25.53	26.40	26.2	
Avg.	28.1	27.3	27.7	27.7	28.4	27.5	28.1	28.0	
100	25.90	24.50	25.77	25.4	24.87	23.75	25.54	24.7	
150	22.63	21.67	22.95	22.4	17.64	21.01	23.13	20.6	
200	20.70	20.30	20.12	20.4		19.40	18.63	19.0	
250	19.44	19.13	19.26	19.3		17.26	14.37	15.8	
300	17.79	18.29	18.30	18.1		13.87	12.08	13.0	
Avg.	21.3	20.8	21.3	21.1	21.3	19.1	18.7	19.3	
400	15.38	16.66	16.14	16.1					
500	12.66	12.74	13.13	12.8					
600	10.19	9.85		10.0					
800									
1000									
Avg.	12.7	13.1	14.6	13.3					
Station 15					Station 16				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8		3	7	8		
0	29.37	27.68	28.90	28.7	28.88	28.15	28.23	28.4	
10	29.07	27.63	28.93	28.5	28.95	28.13	28.23	28.4	
20	28.85	27.42	28.45	28.2	28.87	27.95	28.23	28.3	
30	28.51	27.38	27.76	27.9	28.45	27.52	28.10	28.0	
50	27.72	27.08	26.88	27.2	27.65	26.63	27.63	27.3	
75	26.76	26.10	26.17	26.3	26.77	25.37	26.52	26.2	
Avg.	28.4	27.2	27.8	27.8	28.3	27.3	27.8	27.8	
100	26.01	24.70	25.67	25.5	25.82	24.22	25.27	25.1	
150	24.26	21.85	23.27	23.1	23.34	22.22	22.38	22.6	
200	21.52	19.97	19.33	20.3	21.27	20.65	19.93	20.6	
250	18.25	17.99	16.07	17.4	19.71	19.43	18.97	19.4	
300	14.70	14.98	13.65	14.4	18.40	18.41	18.27	18.4	
Avg.	20.9	19.9	19.6	20.1	21.7	21.0	21.0	21.2	
400	11.02	10.18	10.69	10.6	16.55	16.94	17.64	17.0	
500		7.29		7.3	14.09	14.25	15.64	14.7	
600					10.77	11.65	12.72	11.7	
800					8.14			8.1	
1000									
Avg.	11.0	8.7	10.7	9.8	12.4	14.3	15.3	13.8	

Table 35.--Temperatures ($^{\circ}\text{C}$), by station, summer season, southern off-shore--Continued

Depth (m)	Station 17			Avg.	Station 18			Avg.
	Cruise				Cruise			
	3	7	8		3	7	8	
0	29.04	28.54	28.45	28.7	29.21	28.78	29.02	29.0
10	28.90	27.88	28.37	28.4	29.11	27.94	28.99	28.7
20	28.67	27.95	28.36	28.3	28.91	27.83	28.88	28.5
30	28.39	27.65	28.30	28.1	28.50	27.78	28.82	28.4
50	27.78	27.07	28.06	27.6	27.57	27.33	28.55	27.8
75	26.94	26.66	26.24	26.6	26.25	26.13	27.21	26.5
Avg.	28.3	27.6	28.0	28.0	28.3	27.6	28.6	28.2
100	25.74	25.79	24.65	25.4	24.75	24.42	25.90	25.0
150	22.91	22.64	22.19	22.6	19.67	20.82	21.68	20.7
200	20.78	20.56	20.16	20.5	14.30	17.84	16.13	16.1
250	19.45	19.44	18.89	19.3		15.06	12.10	13.6
300	18.30	18.19	17.91	18.1		12.56	10.53	11.5
Avg.	21.4	21.3	20.8	21.2	19.6	18.1	17.3	18.1
400	16.22	15.27	15.92	15.8			9.07	9.1
500	12.70	13.54	12.94	13.1				
600	9.85	11.69	10.00	10.5				
800								
1000								
Avg.	12.9	13.5	13.0	13.1			9.1	9.1

Depth (m)	Station			Avg.	Station			Avg.
	Cruise				Cruise			
0								
10								
20								
30								
50								
75								
Avg.								
100								
150								
200								
250								
300								
Avg.								
400								
500								
600								
800								
1000								
Avg.								

Table 36.--Temperatures (°C), by station, summer season, central inner shelf

Station 23

Depth (m)	Cruise			Avg.
	3	7	8	
0	28.20	27.71	28.38	28.1
10	27.67	27.59	28.41	27.9
20				
Avg.	27.9	27.7	28.4	28.0

Station 34

	Cruise			Avg.
	3	7	8	
0	28.22	27.82	28.04	28.0
10	28.16	27.82	28.07	28.0
20				
Avg.	28.2	27.8	28.1	28.0

Station 35

Depth (m)	Cruise			Avg.
	3	7	8	
0		28.03	28.18	28.1
10	28.70	27.99	28.20	28.3
20				
Avg.	28.7	28.0	28.2	28.2

Station 36

	Cruise			Avg.
	3	7	8	
0	29.22	27.58	28.06	28.3
10	28.97	27.61	28.08	28.2
20				
Avg.	29.1	27.6	28.1	28.3

Station 44

Depth (m)	Cruise			Avg.
	3	7	8	
0	28.26	27.69	27.30	27.7
10	28.32	27.21	27.32	27.6
20				
Avg.	28.3	27.5	27.3	27.7

Station 45

	Cruise			Avg.
	3	7	8	
0	28.15	27.78	26.39	27.5
10	27.85	27.37		27.6
20				
Avg.	28.0	27.6	26.4	27.5

Station 46

Depth (m)	Cruise			Avg.
	3	7	8	
0	28.19	28.56	26.17	27.6
10				
20				
Avg.	28.2	28.6	26.2	27.6

Station 55

	Cruise			Avg.
	3	7	8	
0	28.47	27.18	26.25	27.3
10	28.22	27.17	26.22	27.2
20				
Avg.	28.3	27.2	26.2	27.3

Station 56

Depth (m)	Cruise			Avg.
	3	7	8	
0	28.80	27.98	25.58	27.5
10				
20				
Avg.	28.8	28.0	25.6	27.5

Station

	Cruise			Avg.

Table 37.--Temperatures (°C), by station, summer season, central outer shelf

Station 24					Station 25				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8		3	7	8		
0	27.71	27.44	28.32	27.8	27.99	27.93	28.18	28.0	
10	27.26	27.09	28.30	27.5	27.72	27.29	28.14	27.7	
20	27.05			27.1	26.16	27.20	28.11	27.2	
30									
50									
75									
Avg.	27.3	27.3	28.3	27.6	27.3	27.5	28.1	27.6	
100									
150									
200									
Avg.									

Station 26					Station 31				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8		3	7	8		
0	28.10	28.38	28.31	28.3	28.70	27.94	27.67	28.1	
10	28.15	27.78	28.43	28.1	28.62	27.74	27.47	27.9	
20	27.84	27.46	28.30	27.9	28.47	27.42	23.50	26.5	
30	27.43	26.54	27.90	27.3	27.28	26.50	21.89	25.2	
50	24.96	24.80	27.25	25.7		22.84		22.8	
75	19.72	22.82	26.69	23.1					
Avg.	26.0	26.3	27.8	26.7	28.3	26.5	25.1	26.6	
100	16.18	17.16	21.08	18.1					
150									
200									
Avg.	16.2	17.2	21.1	18.1					

Station 32					Station 33				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8		3	7	8		
0	27.79	27.52	27.50	27.6	27.73	27.61	27.92	27.8	
10	27.73	26.73	27.54	27.3	27.63	26.79	27.93	27.5	
20	26.73	25.56	27.54	26.6					
30	26.67	25.45	27.52	26.5					
50									
75									
Avg.	27.2	26.3	27.5	27.0	27.7	27.2	27.9	27.6	
100									
150									
200									
Avg.									

Table 37.--Temperatures (°C), by station, summer season, central outer shelf--Continued

Depth (m)	Station 37				Station 38			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.01	27.41	28.02	27.8	28.66	27.52	27.93	28.0
10	27.97	26.68	27.85	27.5	28.58	27.37	27.90	27.9
20	26.52	26.47	27.78	26.9	28.43	26.89	27.72	27.7
30					25.05	25.71	27.45	26.1
50								
75								
Avg.	27.5	26.9	27.9	27.4	27.7	26.9	27.7	27.4
100								
150								
200								
Avg.								

Depth (m)	Station 42				Station 43			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.95	27.46		28.2	28.32	27.51	27.47	27.8
10	28.38	27.47		27.9	27.96	27.50	27.55	27.7
20	24.77	26.43		25.6	26.39	26.98	27.31	26.9
30	22.71	23.39		23.1				
50	19.22	18.69		19.0				
75	16.04	17.20		16.6				
Avg.	23.3	23.4		23.4				
100	14.00	15.08		14.5				
150								
200								
Avg.	14.0	15.1		14.5	27.6	27.3	27.4	27.4

Depth (m)	Station 47				Station 48			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.11	27.94	26.65	27.6	28.62	27.63	27.65	28.0
10	28.03	27.37	26.22	27.2	28.61	27.25	27.56	27.8
20	25.54	26.87	26.08	26.2	27.81	26.89	27.44	27.4
30					24.74	25.34	25.20	25.1
50					19.81	22.44	20.97	21.1
75					16.93	18.89	15.76	17.2
Avg.	27.2	27.4	26.3	27.0	24.4	24.7	24.1	24.4
100					14.59	16.35	11.82	14.3
150					11.51	14.27	7.76	11.2
200						12.86	7.45	10.2
Avg.					13.1	14.5	9.0	12.1

Table 37.--Temperatures (°C), by station, summer season, central outer shelf--Continued

Depth (m)	Station 53			Avg.	Station 54			Avg.
	Cruise				Cruise			
	3	7	8		3	7	8	
0	28.11	27.71	28.02	27.9	28.16	27.53	26.67	27.5
10	28.16	27.27	27.68	27.7	27.91	27.51	26.24	27.2
20	28.52	26.27	27.62	27.5	24.79	27.06	26.18	26.0
30	26.47	24.66	24.82	25.3				
50	22.75	21.90	20.30	21.7				
75	18.77	19.53	17.64	18.6				
Avg.	25.5	24.6	24.3	24.8	27.0	27.4	26.4	26.9
100	16.00	17.65	15.33	16.3				
150		15.40	11.76	13.6				
200								
Avg.	16.0	16.5	13.5	15.2				

Depth (m)	Station			Avg.	Station			Avg.
	Cruise				Cruise			
0								
10								
20								
30								
50								
75								
Avg.								
100								
150								
200								
Avg.								

Depth (m)	Station			Avg.	Station			Avg.
	Cruise				Cruise			
0								
10								
20								
30								
50								
75								
Avg.								
100								
150								
200								
Avg.								

Table 38.--Temperatures (°C), by station, summer season, central offshore

Depth (m)	Station 27			Avg.	Station 28			Avg.
	Cruise				Cruise			
	3	7	8		3	7	8	
0	29.03	28.24	28.78	28.7	28.88	28.39	28.21	28.5
10	28.94	28.06	28.78	28.6	28.86	28.39	28.21	28.5
20	28.65	27.93	28.69	28.4	28.84	28.19	28.21	28.4
30	28.41	27.51	28.42	28.1	28.32	27.99	27.95	28.1
50	27.53	26.77	27.64	27.3	27.33	27.04	27.38	27.3
75	26.19	25.95	26.53	26.2	26.26	25.59	26.59	26.1
Avg.	28.1	27.4	28.1	27.9	28.1	27.6	27.8	27.8
100	24.93	25.06	25.51	25.2	25.13	24.45	25.59	25.1
150	21.44	23.08	23.70	22.7	22.16	22.04	23.02	22.4
200	18.04	20.16	19.08	19.1	20.05	20.61	20.68	20.4
250	16.28	17.03	15.19	16.2	19.13	19.39	19.77	19.4
300	14.86	14.30	13.06	14.1	18.38	18.21	18.75	18.4
Avg.	19.1	19.9	19.3	19.4	21.0	20.9	21.6	21.2
400			10.19	10.2	16.80	16.02	16.36	16.4
500			8.59	8.6	15.38	14.06	13.54	14.3
600					13.92		10.96	12.4
800								
1000								
Avg.			9.4	9.4	15.4	15.0	13.6	14.6

Depth (m)	Station 29			Avg.	Station 30			Avg.
	Cruise				Cruise			
	3	7	8		3	7	8	
0	29.28	27.86	28.30	28.5	29.26	28.65	28.83	28.9
10	28.79	27.89	28.39	28.4	29.36	28.64	28.88	29.0
20	28.63	27.83	28.37	28.3	29.00	28.08	28.90	28.7
30	28.19	27.71	28.35	28.1	28.57	27.35	28.91	28.3
50	27.23	27.16	28.33	27.6	27.42	26.20	28.15	27.3
75	25.81	25.85	26.56	26.1	25.48	24.81	26.70	25.7
Avg.	28.0	27.4	28.1	27.8	28.2	27.3	28.4	28.0
100	24.36	23.43	24.95	24.2	23.67	23.38	25.62	24.2
150	21.11	20.95	22.22	21.4	20.52	20.80	21.41	20.9
200	19.17	19.78	19.86	19.6	18.51	18.31	17.82	18.2
250	18.80	18.69	19.21	18.9	17.09	15.97	15.38	16.1
300	18.11	17.36	18.63	18.0	14.99	13.77	13.29	14.0
Avg.	20.3	20.0	21.0	20.4	19.0	18.4	18.7	18.7
400	15.90		17.67	16.8	11.78			11.8
500	13.00		15.90	14.5				
600	9.92		13.31	11.6				
800								
1000								
Avg.	12.9		15.6	14.3	11.8			11.8

Table 38-- Temperatures ($^{\circ}\text{C}$), by station, summer season, central off-shore--Continued

Depth (m)	Station 39				Station 40			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.30	28.79	28.66	28.6	29.28	29.64		29.5
10	28.24	28.06	28.48	28.3	29.11	28.28		28.7
20	27.48	27.71	27.98	27.7	29.08	28.16		28.6
30	25.91	27.15	27.23	26.8	28.59	27.91		28.3
50	21.50	25.53	23.91	23.6	27.63	27.10		27.4
75	16.59	23.00	20.26	19.9	26.66	25.71		26.2
Avg.	24.7	26.7	26.1	25.8	28.4	27.8		28.1
100	14.53	20.37	17.93	17.6	25.27	23.75		24.5
150	11.57	16.83	16.58	15.0	21.27	21.83		21.5
200	9.58	14.46	15.36	13.1	19.93	19.77		19.9
250	8.37	12.42	11.72	10.8	18.99	17.91		18.5
300	7.95	10.78		9.4	18.05	16.95		17.5
Avg.	10.4	15.0	15.4	13.5	20.7	20.0		20.4
400					16.19	14.81		15.5
500					14.52			14.5
600								
800								
1000								
Avg.					15.4	14.8		15.2

Depth (m)	Station 41				Station 49			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	29.65	28.94		29.3	28.69	27.77	28.33	28.3
10	29.31	28.50		28.9	28.70	27.65	28.32	28.2
20	28.90	28.15		28.5	28.64	27.27	28.32	28.1
30	28.34	27.22		27.8	28.59	25.71	28.31	27.5
50	27.70	25.47		26.6	27.38	22.90	28.22	26.2
75	25.56	23.52		24.5	24.82	19.84	26.08	23.6
Avg.	28.2	27.0		27.6	27.8	25.2	27.9	27.0
100	23.57	20.56		22.1	21.71	17.59	23.05	20.8
150	18.41	15.45		16.9	14.21	15.56	16.12	15.3
200	15.39	12.84		14.1		13.58		13.6
250	12.77	11.40		12.1		11.84		11.8
300		10.30		10.3		10.34		10.3
Avg.	17.5	14.1		15.6	18.0	13.8	19.6	16.0
400								
500								
600								
800								
1000								
Avg.								

Table 38.--Temperatures (°C), by station, summer season, central off-shore--Continued

Depth (m)	Station 50				Station 51			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	29.30	28.63	28.26	28.7	29.14	27.42	28.29	28.3
10	29.32	28.58	28.29	28.7	29.19	27.45	28.28	28.3
20	29.33	27.62	28.25	28.4	29.06	26.40	28.27	27.9
30	29.01	26.95	28.24	28.1	28.70	24.50	28.28	27.2
50	28.23	26.04	28.09	27.5	27.75	21.40	28.28	25.8
75	26.99	25.31	27.07	26.5	26.60	18.31	28.27	24.4
Avg.	28.7	27.2	28.0	28.0	28.4	24.2	28.3	27.0
100	25.00	21.21	24.98	23.7	25.69	15.79	27.98	23.2
150	21.65	16.38	21.19	19.7	23.75	13.09	26.63	21.2
200	20.59	14.40	19.60	18.2	22.24	11.38	20.90	18.2
250	18.52	12.62	18.70	16.6	20.81	10.15	16.02	15.7
300	17.26	10.93	17.86	15.3	19.42	9.39	12.59	13.8
Avg.	20.6	15.1	20.5	18.7	22.4	12.0	20.8	18.4
400	15.75		15.73	15.7		7.68	9.18	8.4
500	12.78		13.55	13.2				
600								
800								
1000								
Avg.	14.3		14.6	14.5		7.7	9.2	8.4

Depth (m)	Station 52				Station	
	Cruise			Avg.	Cruise	
	3	7	8			
0	29.19	27.54	27.22	28.0		
10	29.25	27.51	27.14	28.0		
20	29.23	26.30	27.10	27.5		
30	29.08	23.54	24.93	25.9		
50	27.65	19.32	21.06	22.7		
75		17.68	16.87	17.3		
Avg.	28.9	23.7	24.1	25.3		
100		16.30	14.04	15.2		
150		14.36	12.45	13.4		
200		12.19	11.63	11.9		
250		10.34	10.36	10.3		
300		8.81	8.64	8.7		
Avg.		12.4	11.4	11.9		
400						
500						
600						
800						
1000						
Avg.						

Table 39.--Temperatures (°C), by station, summer season, northern inner shelf

Station 57					Station 58				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8		3	7	8		
0	28.23	27.66	25.88	27.3	28.31	27.29	25.67	27.1	
10	28.57	27.68	25.91	27.4	28.28	27.19	25.71	27.1	
20									
Avg.	28.4	27.7	25.9	27.3	28.3	27.2	25.7	27.1	

Station 67					Station 68				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8		3	7	8		
0	27.79	27.23	25.85	27.0	27.45	27.25	25.96	26.9	
10	27.73	27.23	25.73	26.9	27.48	27.93	25.65	27.0	
20									
Avg.	27.8	27.2	25.8	26.9	27.5	27.6	25.8	27.0	

Station 69					Station 76				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8		3	7	8		
0	27.53	27.06	26.32	27.0	27.34	25.14		26.2	
10	27.57	27.14	25.54	26.7	27.25	25.08		26.2	
20									
Avg.	27.5	27.1	25.9	26.9	27.3	25.1		26.2	

Station 77					Station				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
	3	7	8						
0	27.15	25.02	25.79	26.0					
10	27.23	24.96	25.84	26.0					
20	26.94	24.59	25.43	25.7					
Avg.	27.1	24.9	25.7	25.9					

Station					Station				
Depth (m)	Cruise			Avg.	Cruise			Avg.	
0									
10									
20									
Avg.									

Table 40.--Temperatures (°C), by station, summer season, northern outer shelf

Station 59					Station 60			
Depth (m)	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.56	26.80	25.39	26.6	27.91	27.51	27.84	27.8
10	27.53	26.80	25.50	26.6	27.85	27.40	27.90	27.7
20		24.37		24.4	27.79	27.29	27.77	27.6
30					24.72	25.44	24.79	25.0
50					20.11	22.48	19.94	20.8
75					18.07	20.84	16.75	18.6
Avg.	27.5	26.0	25.4	26.3	24.4	25.2	24.2	24.6
100					16.38	19.44	14.32	16.7
150					13.67	17.35	11.74	14.3
200						14.97	9.45	12.2
Avg.					15.0	17.3	11.8	14.7

Station 65					Station 66			
Depth (m)	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.71	27.36	26.59	27.2	27.07	27.16	25.85	26.7
10	27.56	27.31	26.61	27.2	27.18	27.15	25.85	26.7
20	27.55	26.92	26.57	27.0	23.99	25.90		24.9
30	25.76	25.40	26.59	25.9				
50								
75								
Avg.	27.1	26.7	26.6	26.8	26.1	26.7	25.9	26.3
100								
150								
200								
Avg.								

Station 70					Station 71			
Depth (m)	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.47	26.88	26.49	26.9	28.15	27.88	26.77	27.6
10	27.48	26.64	25.92	26.7	28.19	28.01	26.72	27.6
20	27.34	24.82	25.89	26.0	28.15	27.77	26.71	27.5
30					25.96	27.12	26.54	26.5
50					22.39	25.73	25.62	24.6
75					19.42	23.83	21.73	21.7
Avg.	27.4	26.1	26.1	26.5	25.4	26.7	25.7	25.9
100						21.76	15.13	18.4
150								
200								
Avg.						21.8	15.1	18.4

Table 40.--Temperatures (°C), by station, summer season, northern outer shelf--Continued

Depth (m)	Station 75			Avg.	Station 78			Avg.
	Cruise				Cruise			
	3	7	8		3	7	8	
0	28.31		26.67	27.5		26.42	25.98	26.2
10	28.31		26.72	27.5		26.58	25.68	26.1
20	28.43		26.51	27.5		26.29	24.80	25.5
30	25.12		23.50	24.3				
50								
75								
Avg.	27.5		25.9	26.7		26.4	25.5	26.0
100								
150								
200								
Avg.								

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Table 41.--Temperatures (°C), by station, summer season, northern offshore

Depth (m)	Station 61				Station 62			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	27.91	28.19	28.16	28.1	28.81	27.88	28.23	28.3
10	27.93	28.19	28.06	28.1	28.81	27.90	28.26	28.3
20	27.92	27.37	27.92	27.7	28.66	27.49	28.25	28.1
30	27.91	26.12	27.70	27.2	28.34	26.75	28.24	27.8
50	24.43	23.80	25.99	24.7	27.95	24.14	28.13	26.7
75	19.13	21.24	22.68	21.0	27.25	21.36	27.55	25.4
Avg.	25.9	25.8	26.8	26.1	28.3	25.9	28.1	27.4
100	16.37	18.99	19.04	18.1	26.11	19.41	26.18	23.9
150	13.09	15.39	14.38	14.3	22.52	16.60	23.38	20.8
200	11.79	13.66	11.55	12.3	19.55	15.24	20.96	18.6
250	10.48	12.05	9.86	10.8	17.11	13.59	18.50	16.4
300		10.72		10.7	13.68	12.34	17.30	14.4
Avg.	12.9	14.2	13.7	13.6	19.8	15.4	21.3	18.8
400		8.89		8.9		10.23	14.39	12.3
500							10.37	10.4
600							7.38	7.4
800								
1000								
Avg.		8.9		8.9		10.2	10.7	10.6

Depth (m)	Station 63				Station 64			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.42	27.94	27.94	28.1	27.62	28.28	28.31	28.1
10	28.44	27.97	28.13	28.2	27.95	28.30	28.29	28.2
20	28.08	27.71	28.12	28.0	27.91	27.88	28.26	28.0
30	27.52	27.23	28.08	27.6	26.36	27.09	28.27	27.2
50	26.69	25.86	27.75	26.8	23.58	25.50	28.00	25.7
75	25.25	24.52	26.77	25.5	20.73	23.67	26.71	23.7
Avg.	27.4	26.9	27.8	27.4	25.7	26.8	28.0	26.8
100	23.09	23.42	24.68	23.7	18.41	22.21	24.55	21.7
150	19.29	20.64	21.29	20.4	15.21	18.90	17.60	17.2
200	16.34	18.95	19.51	18.3	13.21	16.30	13.33	14.3
250	14.34	18.07	18.22	16.9	11.90			11.9
300	12.67	17.27	16.98	15.6				
Avg.	17.1	19.7	20.1	19.0	14.7	19.1	18.5	17.2
400		14.69	12.95	13.8				
500								
600								
800								
1000								
Avg.		14.7	12.9	13.8				

Table 4L -- Temperatures (°C), by station, summer season, northern off-shore--Continued

Depth (m)	Station 72				Station 73			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0	28.70	28.18	28.27	28.4	27.12	28.09	27.6	
10	28.69	28.20	28.26	28.4	27.16	28.17	27.7	
20	28.69	28.22	28.22	28.4	27.17	28.15	27.7	
30	28.44	27.27	28.23	28.0	27.18	28.15	27.7	
50	26.62	25.59	28.23	26.8	24.84	28.09	26.5	
75	24.22	23.99	27.68	25.3	22.08	27.98	25.0	
Avg.	27.6	26.9	28.1	27.5	25.9	28.1	27.0	
100	22.14	22.32	26.27	23.6	20.54	27.00	23.8	
150	19.48	19.22	21.82	20.2	19.16	25.33	22.2	
200	17.49	17.80	17.54	17.6	18.45	20.48	19.5	
250		16.69	13.19	14.9	18.24	15.30	16.8	
300		15.18		15.2	17.81	12.90	15.4	
Avg.	19.7	18.2	19.7	19.1	18.8	20.2	19.5	
400		11.55		11.5	17.03	10.19	13.6	
500		9.09		9.1	15.31	8.89	12.1	
600					13.28	7.83	10.6	
800					8.98		9.0	
1000								
Avg.		10.3		10.3	13.7	9.0	11.6	

Depth (m)	Station 74				Station 79			
	Cruise			Avg.	Cruise			Avg.
	3	7	8		3	7	8	
0		27.70	26.81	27.3	27.31	28.27	27.8	
10		27.72	26.81	27.3	27.46	28.15	27.8	
20		27.75	26.72	27.2	27.43	28.10	27.8	
30		26.99	26.61	26.8	27.46	27.88	27.7	
50		25.59	25.65	25.6	26.92	26.67	26.8	
75		24.06	21.78	22.9	24.47	25.81	25.1	
Avg.		26.6	25.7	26.2	26.8	27.5	27.2	
100		22.67	17.90	20.3	22.85	20.64	21.7	
150		20.32	14.36	17.3	21.03	15.46	18.2	
200		18.67	12.31	15.5	19.70	13.64	16.7	
250		18.13	11.13	14.6	18.66	12.36	15.5	
300		16.64	10.05	13.3	17.98	10.10	14.0	
Avg.		19.3	13.1	16.2	20.0	14.4	17.2	
400		13.59	8.21	10.9	14.48		14.5	
500		10.30	6.21	8.3	10.38		10.4	
600		6.44		6.4	7.21		7.2	
800								
1000								
Avg.		10.1	7.2	8.9	10.7		10.7	

Table 41.--Temperatures (°C), by station, summer season, northern off-shore--Continued

Depth (m)	Station 80			Avg.	Station		Avg.
	Cruise				Cruise		
	3	7	8				
0		27.57	28.16	27.9			
10		27.59	28.16	27.9			
20		27.55	28.10	27.8			
30		27.03	28.07	27.5			
50		25.84	27.82	26.8			
75		23.95	26.73	25.3			
Avg.		26.6	27.8	27.2			
100		22.56	25.27	23.9			
150		20.77	21.85	21.3			
200		19.10	20.08	19.6			
250		18.48	19.09	18.8			
300		18.07	16.61	17.3			
Avg.		19.8	20.6	20.2			
400		17.51	13.86	15.7			
500		15.78		15.8			
600		12.62		12.6			
800		8.78		8.8			
1000		5.67		5.7			
Avg.		12.1	13.9	12.4			

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 42.--Temperatures (°C), by station, fall season, southern inner shelf

Station 3				Station 4			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9		4	9		
0	25.92	25.70	25.8	26.44	25.33	25.9	
10	26.23	25.70	26.0	26.20	24.79	25.5	
20				26.19	24.29	25.2	
Avg.	26.1	25.7	25.9	26.3	24.8	25.5	

Station 11				Station 12			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9		4	9		
0	25.09	22.64	23.9	24.64	22.85	23.7	
10		22.47	22.5	24.75	22.52	23.6	
20							
Avg.	25.1	22.6	23.4	24.7	22.7	23.7	

Station 13				Station 21			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9		4	9		
0	24.11	21.39	22.7	23.64	19.63	21.6	
10	24.18	20.92	22.5	24.44	18.00	21.2	
20							
Avg.	24.1	21.1	22.7	24.0	18.8	21.4	

Station 22				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9					
0	23.39	19.26	21.3				
10		18.35	18.3				
20							
Avg.	23.4	18.8	20.3				

Station				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
0							
10							
20							
Avg.							

Table 43.--Temperatures (°C), by station, fall season, southern outer shelf

Station 5				Station 10		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	26.42	25.58	26.0	25.61	25.27	25.4
10	26.59	25.46	26.0	25.58	25.29	25.4
20	26.88	24.90	25.9	25.81	25.31	25.6
30	26.99	24.54	25.8			
50						
75						
Avg.	26.7	25.1	25.9	25.7	25.3	25.5
100						
150						
200						
Avg.						

Station 14				Station 19		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	25.20	25.31	25.3	26.25	24.74	25.5
10	25.24	25.32	25.3	26.28	24.52	25.4
20	25.56	25.33	25.4	26.22	23.88	25.1
30	25.66	25.06	25.4	26.16	23.01	24.6
50	25.79	24.49	25.1			
75						
Avg.	25.5	25.1	25.3	26.2	24.0	25.1
100						
150						
200						
Avg.						

Station 20				Station		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	4	9				
0	24.91	22.22	23.6			
10	24.94	22.15	23.5			
20	24.93	21.99	23.5			
30						
50						
75						
Avg.	24.9	22.1	23.5			
100						
150						
200						
Avg.						

Table 44.--Temperatures (°C), by station, fall season, southern offshore

Depth (m)	Station 1			Station 2		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	28.02	26.48	27.3	27.54	26.67	27.1
10	28.01	26.56	27.3	27.54	26.72	27.1
20	28.00	26.62	27.3	27.56	26.72	27.1
30	27.99	26.62	27.3	27.54	26.67	27.1
50	27.97	26.63	27.3	27.43	26.56	27.0
75	26.05	26.22	26.1	24.04	26.40	25.2
Avg.	27.7	26.5	27.1	26.9	26.6	26.8
100	23.90	25.85	24.9	21.49	25.82	23.7
150	21.91	23.04	22.5	18.95	21.61	20.3
200	20.13	19.87	20.0	17.06	18.23	17.6
250	18.34	17.92	18.1	15.61	16.06	15.8
300	17.33	17.24	17.3	13.88	14.25	14.1
Avg.	20.3	20.8	20.6	17.4	19.2	18.3
400	14.75	15.16	15.0	10.67	11.00	10.8
500		13.05	13.1			
600						
800						
1000						
Avg.	14.7	14.1	14.3	10.7	11.0	10.8
Depth (m)	Station 6			Station 7		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	28.07	26.51	27.3	27.83	26.66	27.2
10	28.08	26.54	27.3	27.87	26.68	27.3
20	28.09	26.56	27.3	27.86	26.69	27.3
30	28.08	26.55	27.3	27.86	26.69	27.3
50	27.53	26.54	27.0	27.60	26.69	27.1
75	26.49	26.39	26.4	26.67	26.30	26.5
Avg.	27.7	26.5	27.1	27.6	26.6	27.1
100	24.96	26.24	25.6	25.45	25.75	25.6
150	21.22	22.08	21.7	22.14	22.33	22.2
200	18.81	18.69	18.7	19.97	19.43	19.7
250	17.51	16.74	17.1	18.68	18.00	18.3
300	16.20	15.00	15.6	18.07	16.60	17.3
Avg.	19.7	19.7	19.7	20.9	20.4	20.6
400	12.46	12.41	12.4	15.68	15.05	15.4
500				13.62		13.6
600						
800						
1000						
Avg.	12.5	12.4	12.4	14.7	15.1	14.8

Table 44.--Temperatures (°C), by station, fall season, southern offshore--
Continued

Depth (m)	Station 8			Station 9		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	27.98	26.54	27.3	28.15	26.51	27.3
10	27.98	26.55	27.3	28.13	26.53	27.3
20	27.99	26.57	27.3	28.12	26.56	27.3
30	27.99	26.59	27.3	28.12	26.59	27.4
50	27.92	26.58	27.3	28.10	26.59	27.3
75	27.27	26.15	26.7	27.53	26.46	27.0
Avg.	27.9	26.5	27.2	28.0	26.5	27.3
100	26.03	25.40	25.7	26.13	25.43	25.8
150	23.34	21.93	22.6	22.46	21.78	22.1
200	21.16	19.56	20.4	18.27	18.59	18.4
250	19.08	18.30	18.7	13.51	16.62	15.1
300	17.83	17.59	17.7		14.47	14.5
Avg.	21.5	20.6	21.0	20.1	19.4	19.7
400	15.51	15.97	15.7			
500	11.66	14.27	13.0			
600	8.49	11.68	10.1			
800						
1000						
Avg.	11.9	14.0	12.9			
	Station 15			Station 16		
Depth (m)	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	27.80	26.67	27.2	27.94	26.42	27.2
10	27.77	26.67	27.2	27.90	26.44	27.2
20	27.80	26.68	27.2	27.95	26.46	27.2
30	27.82	26.70	27.3	28.00	26.21	27.1
50	27.83	26.72	27.3	28.05	25.84	26.9
75	27.16	26.36	26.8	28.00	25.73	26.9
Avg.	27.7	26.6	27.2	28.0	26.2	27.1
100	26.06	25.87	26.0	27.61	25.63	26.6
150	22.60	21.94	22.3	23.83	20.27	22.1
200	19.85	18.92	19.4	21.18	18.99	20.1
250	17.89	17.21	17.5	19.07	18.57	18.8
300	16.23	15.39	15.8	17.81	18.08	17.9
Avg.	20.5	19.9	20.2	21.9	20.3	21.1
400	13.46	11.42	12.4	15.95	16.87	16.4
500	11.19	8.05	9.6	14.04	14.13	14.1
600	9.02		9.0	11.67	13.37	12.5
800						
1000						
Avg.	11.2	9.7	10.6	13.9	14.8	14.3

Table 44.--Temperatures (°C), by station, fall season, southern offshore--
Continued

Depth (m)	Station 17			Station 18		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0		26.56	26.6	28.08	26.36	27.2
10		26.57	26.6	28.08	26.53	27.3
20		26.58	26.6	28.16	26.64	27.4
30		26.59	26.6	28.17	26.64	27.4
50		26.59	26.6	27.69	26.41	27.1
75		26.51	26.5	25.29	26.00	25.6
Avg.		26.6	26.6	27.6	26.4	27.0
100		25.64	25.6	22.91	25.77	24.3
150		21.95	21.9	19.07	22.69	20.9
200		19.56	19.6	16.78	15.62	16.2
250		18.55	18.5	15.17	11.24	13.2
300		17.39	17.4	13.80	8.51	11.2
Avg.		20.6	20.6	17.5	16.8	17.2
400		14.70	14.7	11.37		11.4
500		11.91	11.9			
600		8.99	9.0			
800						
1000						
Avg.		11.9	11.9	11.4		11.4

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 45.--Temperatures ($^{\circ}\text{C}$), by station, fall season, central inner shelf

Station 23				Station 34			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9		4	9		
0	24.14	18.08	21.1	23.18		23.2	
10		17.88	17.9	23.36		23.4	
20							
Avg.	24.1	18.0	20.0	23.3		23.3	

Station 35				Station 36			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9		4	9		
0	23.66	16.98	20.3	23.66	16.83	20.2	
10	23.67	16.86	20.3	23.64	16.85	20.2	
20							
Avg.	23.7	16.9	20.3	23.7	16.8	20.2	

Station 44				Station 45			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9		4	9		
0	22.20	16.53	19.4	22.08	15.34	18.7	
10	22.23	16.56	19.4	22.14	15.35	18.7	
20							
Avg.	22.2	16.5	19.4	22.1	15.3	18.7	

Station 46				Station 55			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9		4	9		
0	21.74	15.85	18.8	21.96	16.68	19.3	
10	21.80	15.95	18.9	21.90	16.68	19.3	
20							
Avg.	21.8	15.9	18.8	21.9	16.7	19.3	

Station 56				Station			
Depth (m)	Cruise		Avg.	Cruise		Avg.	
	4	9					
0	21.04	13.61	17.3				
10							
20							
Avg.	21.0	13.6	17.3				

Table 46.--Temperatures (°C), by station, fall season, central outer shelf

Depth (m)	Station 24			Station 25		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	24.56	21.21	22.9	25.96	23.65	24.8
10	24.59	21.22	22.9	25.99	23.66	24.8
20	24.50		24.5	25.99	23.53	24.8
30						
50						
75						
Avg.	24.5	21.2	23.2	26.0	23.6	24.8
100						
150						
200						
Avg.						

Depth (m)	Station 26			Station 31		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	26.98	26.17	26.6	26.37		26.4
10	27.02	26.17	26.6	26.18		26.2
20	27.05	26.20	26.6			
30	27.04	26.18	26.6			
50	26.77	26.13	26.5			
75	26.04	26.05	26.0			
Avg.	26.8	26.1	26.5	26.3		26.3
100	24.98	25.95	25.5			
150	16.40		16.4			
200						
Avg.	20.7	25.9	22.4			

Depth (m)	Station 32			Station 33		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	24.91		24.9	24.25		24.3
10	24.69		24.7	24.10		24.1
20	24.79		24.8			
30	24.81		24.8			
50						
75						
Avg.	24.8		24.8	24.2		24.2
100						
150						
200						
Avg.						

Table 46.--Temperatures (°C), by station, fall season, central outer shelf--
Continued

Depth (m)	Station 37			Station 38		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	24.14	19.34	21.7	25.13	23.68	24.4
10	24.11	19.35	21.7	25.11	23.72	24.4
20	24.20	19.38	21.8	25.04	23.74	24.4
30				25.02	23.70	24.4
50						
75						
Avg.	24.1	19.4	21.8	25.1	23.7	24.4
100						
150						
200						
Avg.						

Depth (m)	Station 42			Station 43		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	26.10	24.02	25.1	24.34	19.84	22.1
10	26.15	24.04	25.1	24.38	19.87	22.1
20	26.09	24.02	25.1	24.31	19.88	22.1
30	25.89	23.30	24.6	24.36		24.4
50	25.45	21.95	23.7			
75	24.85	20.46	22.7			
Avg.	25.8	23.0	24.4	24.3	19.9	22.4
100	24.47	19.18	21.8			
150						
200						
Avg.	24.5	19.2	21.8			

Depth (m)	Station 47			Station 48		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	24.31	20.76	22.5	25.47	22.46	24.0
10	24.37	20.79	22.6	25.52	22.50	24.0
20	24.30	19.67	22.0	25.49	22.26	23.9
30				25.48	22.24	23.9
50				25.45	22.08	23.8
75				25.14	21.83	23.5
Avg.	24.3	20.4	22.4	25.4	22.2	23.8
100				24.70	20.96	22.8
150				16.73	17.36	17.0
200						
Avg.				20.7	19.2	19.9

Table 46.--Temperatures (°C), by station, fall season, central outer shelf--
Continued

Depth (m)	Station 53			Station 54		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	25.67	22.79	24.2	24.39	21.34	22.9
10	25.71	22.81	24.3	24.35	21.38	22.9
20	25.71	22.80	24.3	23.75	21.26	22.5
30	25.70	22.79	24.2			
50	25.69	22.78	24.2			
75	25.00	19.54	22.3			
Avg.	25.6	22.3	23.9	24.2	21.3	22.7
100	22.99	17.28	20.1			
150	18.80	15.72	17.3			
200						
Avg.	20.9	16.5	18.7			

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Table 47.--Temperatures (°C), by station, fall season, central offshore

Depth (m)	Station 27		Avg.	Station 28		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	27.80	26.51	27.2	27.69	25.94	26.8
10	27.86	26.51	27.2	27.77	25.93	26.9
20	27.85	26.51	27.2	27.75	25.93	26.8
30	27.85	26.53	27.2	27.62	25.91	26.8
50	27.39	26.55	27.0	27.06	25.77	26.4
75	25.21	26.55	25.9	25.32	25.40	25.4
Avg.	27.3	26.5	26.9	27.2	25.8	26.5
100	23.00	26.35	24.7	23.83	24.67	24.3
150	19.79	23.70	21.7	21.64	22.23	21.9
200	18.44	21.00	19.7	19.94	19.77	19.9
250	17.54	19.02	18.3	19.10	18.79	18.9
300	16.54	16.46	16.5	18.42	18.15	18.3
Avg.	19.1	21.3	20.2	20.6	20.7	20.7
400	14.14	10.05	12.1	17.57	16.69	17.1
500	11.25	7.44	9.3	16.11	14.20	15.2
600				13.54	11.93	12.7
800						
1000						
Avg.	12.7	8.7	10.7	15.7	14.3	15.0

Depth (m)	Station 29		Avg.	Station 30		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	27.44	26.57	27.0		26.50	26.5
10	27.48	26.59	27.0	27.85	26.52	27.2
20	27.21	26.61	26.9	27.81	26.54	27.2
30	26.68	26.62	26.7	27.80	26.56	27.2
50	25.48	26.63	26.1	27.79	26.56	27.2
75	24.11	25.85	25.0	24.55	26.53	25.5
Avg.	26.4	26.5	26.4	27.2	26.5	26.8
100	22.60	25.09	23.8	21.36	26.40	23.9
150	20.31	22.08	21.2	19.29	22.75	21.0
200	19.41	20.03	19.7	18.13	20.24	19.2
250	18.84	19.05	18.9	17.34	18.54	17.9
300	18.32	17.95	18.1	16.27	16.93	16.6
Avg.	19.9	20.8	20.4	18.5	21.0	19.7
400	17.17	15.46	16.3	13.26	10.05	11.7
500	15.24	13.06	14.1	9.13		9.1
600	12.89	10.42	11.7			
800						
1000						
Avg.	15.1	13.0	14.0	11.2	10.1	10.8

Table 47.-- Temperatures (°C), by station, fall season, central offshore--
Continued

Depth (m)	Station 39		Avg.	Station 40		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	26.43	24.30	25.4	26.40	25.32	25.9
10	26.43	24.39	25.4	26.42	25.34	25.9
20	26.42	24.40	25.4	26.44	25.37	25.9
30	26.42	24.39	25.4	26.44	25.38	25.9
50	26.40	24.18	25.3	26.38	25.36	25.9
75	25.54	23.52	24.5	26.22	25.15	25.7
Avg.	26.3	24.2	25.2	26.4	25.3	25.9
100	21.85	22.52	22.2	25.20	24.53	24.9
150	17.99	18.54	18.3	22.65	21.42	22.0
200	16.25	14.30	15.3	21.91	18.90	20.4
250	14.72	11.29	13.0	21.12	17.04	19.1
300	13.24	9.39	11.3	19.77	15.62	17.7
Avg.	16.8	15.2	16.0	22.1	19.5	20.8
400	10.48		10.5			
500						
600						
800						
1000						
Avg.	10.5		10.5			

Depth (m)	Station 41		Avg.	Station 49		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	26.29	25.36	25.8	26.23	23.82	25.0
10	26.31	25.38	25.8	26.31	23.39	24.9
20	26.26	25.40	25.8	26.25	23.09	24.7
30	26.27	25.42	25.8	26.24	22.97	24.6
50	26.33	25.20	25.8	26.20	22.73	24.5
75	26.29	24.34	25.3	23.89	22.43	23.2
Avg.	26.3	25.2	25.7	25.9	23.1	24.5
100	25.27	22.54	23.9	21.32	20.76	21.0
150	21.73	20.30	21.0	17.89	15.76	16.8
200	18.97	16.70	17.8	15.82	12.81	14.3
250	15.85	12.74	14.3	14.48	11.17	12.8
300	13.61	10.84	12.2	13.37		13.4
Avg.	19.1	16.6	17.9	16.6	15.1	15.9
400						
500						
600						
800						
1000						
Avg.						

Table 47.--Temperatures (°C), by station, fall season, central offshore--
Continued

Depth (m)	Station 50			Station 51		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	26.24	25.49	25.9	26.44	24.23	25.3
10	26.25	25.51	25.9	26.50	24.24	25.4
20	26.21	25.54	25.9	26.22	24.25	25.2
30	26.20	25.56	25.9	26.19	24.27	25.2
50	26.20	25.57	25.9	26.09	23.85	25.0
75	25.50	25.57	25.5	25.49	23.23	24.4
Avg.	26.1	25.5	25.8	26.2	24.0	25.1
100	24.93	25.37	25.1	24.32	21.63	23.0
150	22.70	22.99	22.8	20.86	16.81	18.8
200	21.37	19.78	20.6	18.23	13.26	15.7
250	18.99	15.65	17.3	16.57	10.77	13.7
300	16.88	12.25	14.6	15.13	9.52	12.3
Avg.	21.0	19.2	20.1	19.0	14.4	16.7
400	15.22	8.49	11.9	12.45		12.5
500	13.99		14.0	9.11		9.1
600	11.24		11.2			
800						
1000						
Avg.	13.5	8.5	12.2	10.8		10.8

Depth (m)	Station 52			Station		
	Cruise		Avg.	Cruise		Avg.
	4	9				
0	25.52	22.55	24.0			
10	25.62	22.57	24.1			
20	25.60	22.58	24.1			
30	25.58	22.58	24.1			
50	25.47	22.57	24.0			
75	22.48	19.79	21.1			
Avg.	25.0	22.1	23.6			
100	20.05	17.25	18.7			
150	16.85	12.86	14.9			
200	14.58	9.53	12.1			
250	12.90	9.04	11.0			
300	12.11	8.75	10.4			
Avg.	15.3	11.5	13.4			
400						
500						
600						
800						
1000						
Avg.						

Table 48.--Temperatures (°C), by station, fall season, northern inner shelf

Depth (m)	Station 57		Avg.	Station 58		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	21.96	16.38	19.2	21.58	16.44	19.0
10	21.88	16.40	19.1	21.57	16.45	19.0
20						
Avg.	21.9	16.4	19.2	21.6	16.4	19.0

Depth (m)	Station 67		Avg.	Station 68		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	18.96	15.67	17.3	19.02	14.39	16.7
10	18.96	15.64	17.3	19.06	14.45	16.8
20						
Avg.	19.0	15.7	17.3	19.0	14.4	16.7

Depth (m)	Station 69		Avg.	Station 76		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	15.85	13.14	14.5	17.34		17.3
10	17.23	13.16	15.2	17.37		17.4
20						
Avg.	16.5	13.1	14.8	17.4		17.3

Depth (m)	Station 77		Avg.	Station		Avg.
	Cruise			Cruise		
	4	9				
0	16.52		16.5			
10	16.50		16.5			
20						
Avg.	16.5		16.5			

Depth (m)	Station		Avg.	Station		Avg.
	Cruise			Cruise		
0						
10						
20						
Avg.						

Table 49.--Temperatures (°C), by station, fall season, northern outer shelf

Depth (m)	Station 59		Avg.	Station 60		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	22.21	21.38	21.8	25.50	22.72	24.1
10	21.99	21.41	21.7	25.52	22.73	24.1
20		21.08	21.1	25.53	22.75	24.1
30				25.59	22.75	24.2
50				25.61	22.74	24.2
75				24.73	21.91	23.3
Avg.	22.1	21.3	21.6	25.4	22.6	24.0
100				23.45	20.74	22.1
150				19.65	17.38	18.5
200					15.38	15.4
Avg.				21.5	17.8	19.3

Depth (m)	Station 65		Avg.	Station 66		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	24.84	22.13	23.5	20.73	18.73	19.7
10	24.85	22.15	23.5	20.78	18.76	19.8
20	24.86	22.12	23.5	20.75	18.76	19.8
30	24.65	22.15	23.4			
50						
75						
Avg.	24.8	22.1	23.5	20.7	18.7	19.8
100						
150						
200						
Avg.						

Depth (m)	Station 70		Avg.	Station 71		Avg.
	Cruise			Cruise		
	4	9		4	9	
0	19.81	18.70	19.3		22.31	22.3
10	19.83	18.58	19.2		22.30	22.3
20	19.87	18.58	19.2		22.26	22.3
30					22.23	22.2
50					22.18	22.2
75					22.11	22.1
Avg.	19.8	18.6	19.2		22.2	22.2
100					22.03	22.0
150						
200						
Avg.					22.0	22.0

Table 49.--Temperatures (°C), by station, fall season, northern outer shelf--
Continued

Depth (m)	Station 75			Station 78		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	23.71		23.7			
10	23.73		23.7			
20	23.67		23.7			
30	23.35		23.3			
50						
75						
Avg.	23.6		23.6			
100						
150						
200						
Avg.						

Depth (m)	Station			Station		
	Cruise		Avg.	Cruise		Avg.
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Depth (m)	Station			Station		
	Cruise		Avg.	Cruise		Avg.
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
Avg.						

Table 5Q -- Temperatures (°C), by station, fall season, northern offshore

Depth (m)	Station 61			Station 62		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	24.68	25.03	24.9	24.88	25.34	25.1
10	24.74	25.04	24.9	24.92	25.38	25.1
20	24.72	25.03	24.9	24.91	25.38	25.1
30	24.72	24.99	24.9	24.86	25.37	25.1
50	24.84	24.65	24.7	24.69	25.34	25.0
75	23.56	23.54	23.5	24.29	25.29	24.8
Avg.	24.5	24.7	24.6	24.8	25.3	25.1
100	22.44	21.74	22.1	23.92	24.27	24.1
150	20.70	18.89	19.8	21.48	20.64	21.1
200	17.82	14.80	16.3	19.50	18.85	19.2
250	16.12	13.27	14.7	18.20	17.56	17.9
300	14.52	11.15	12.8	16.96	16.46	16.7
Avg.	18.3	16.0	17.1	20.0	19.6	19.8
400	11.65		11.7	14.64	14.19	14.4
500				12.15	11.40	11.8
600				9.87		9.9
800						
1000						
Avg.	11.7		11.7	12.2	12.8	12.5

Depth (m)	Station 63			Station 64		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0	25.79	25.32	25.6	25.47		25.5
10	25.76	25.36	25.6	25.51		25.5
20	25.75	25.38	25.6	25.49		25.5
30	25.76	25.39	25.6	25.46		25.5
50	25.79	25.39	25.6	25.42		25.4
75	25.14	25.39	25.3	25.40		25.4
Avg.	25.7	25.4	25.5	25.5		25.5
100	24.30	24.97	24.6	25.37		25.4
150	21.15	21.66	21.4	23.81		23.8
200	19.04	19.49	19.3	20.22		20.2
250	18.52	17.98	18.3	17.59		17.6
300	17.96	15.02	16.5	14.37		14.4
Avg.	20.2	19.8	20.0	20.3		20.3
400	16.73	10.17	13.5			
500	14.91		14.9			
600	12.07		12.1			
800						
1000						
Avg.	14.6	10.2	13.5			

Table 50.--Temperatures (°C), by station, fall season, northern offshore--
Continued

Depth (m)	Station 72			Station 73		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0		24.65	24.7			
10		24.64	24.6			
20		24.62	24.6			
30		24.53	24.5			
50		24.37	24.4			
75		24.22	24.2			
Avg.		24.5	24.5			
100		23.61	23.6			
150		21.60	21.6			
200		19.00	19.0			
250		17.53	17.5			
300		14.60	14.6			
Avg.		19.3	19.3			
400						
500						
600						
300						
1000						
Avg.						

Depth (m)	Station 74			Station 79		
	Cruise		Avg.	Cruise		Avg.
	4	9		4	9	
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 51.--Temperatures (°C), inner shelf, winter season

Southern Inner Shelf										
Depth (m)	Stations							Avg.		
	3	4	11	12	13	21	22			
0	22.5	22.0	18.1	17.8	17.4	15.2	15.1	19.1		
10	20.5	21.9	18.2	17.9	17.4	15.4	15.1	18.5		
20										
Avg.	21.9	21.9	18.1	17.9	17.4	15.3	15.1	18.8		

Central Inner Shelf										
Depth (m)	Stations									Avg.
	23	34	35	36	44	45	46	55	56	
0	15.3	13.9	13.5	13.8	12.9	13.5	12.9	13.8	11.0	13.5
10	14.9	13.9	13.6	13.7	13.0	13.5	13.2	13.7		13.7
Avg.	15.1	13.9	13.6	13.8	12.9	13.5	13.0	13.7	11.0	13.6

Northern Inner Shelf										
Depth (m)	Stations							Avg.		
	57	58	67	68	69	76	77			
0	12.1	13.4	12.1	14.0	12.5	15.6	14.7	13.5		
10	14.1	13.5	11.9	13.1	12.5	16.6	14.8	13.6		
20							16.1	16.1		
Avg.	13.1	13.5	12.0	13.6	12.5	16.1	15.1	13.7		

Table 52.--Temperatures (°C), inner shelf, spring season

Southern Inner Shelf										
Depth (m)	Stations							Avg.		
	3	4	11	12	13	21	22			
0	24.1	23.7	23.7	22.7	23.2	21.1	20.8	23.0		
10	24.0	23.7		22.4	22.3	21.0	20.8	22.7		
20										
Avg.	24.0	23.7	23.7	22.5	22.6	21.1	20.8	22.9		

Central Inner Shelf										
Depth (m)	Stations									Avg.
	23	34	35	36	44	45	46	55	56	
0	20.7	19.8	22.1	22.0	22.0	22.0	22.3	22.3	21.3	21.6
10	20.5	19.8	20.9	21.2	19.6	19.0		20.3		20.2
Avg.	20.7	19.8	21.5	21.6	20.8	20.5	22.3	21.3	21.3	21.0

Northern Inner Shelf										
Depth (m)	Stations							Avg.		
	57	58	67	68	69	76	77			
0	21.5	21.2	20.6	21.1	21.0	19.9	20.1	20.8		
10	21.0	19.4	19.5	20.3	20.3	19.8	20.0	20.1		
20										
Avg.	21.2	20.3	20.1	20.7	20.7	19.8	20.1	20.4		

Table 53.--Temperatures (°C), inner shelf, summer season

Southern Inner Shelf									
Depth (m)	Stations							Avg.	
	3	4	11	12	13	21	22		
0	27.6	27.8	27.8	27.4	27.5	27.7	27.9		27.7
10	27.4	27.1	28.4	27.2	27.3	27.6	27.7		27.4
20		28.0							28.0
Avg.	27.5	27.5	27.9	27.3	27.4	27.6	27.8		27.6

Central Inner Shelf										
Depth (m)	Stations									Avg.
	23	34	35	36	44	45	46	55	56	
0	28.1	28.0	28.1	28.3	27.7	27.5	27.6	27.3	27.5	27.8
10	27.9	28.0	28.3	28.2	27.6	27.6		27.2		27.8
Avg.	28.0	28.0	28.2	28.3	27.7	27.5	27.6	27.3	27.5	27.8

Northern Inner Shelf									
Depth (m)	Stations							Avg.	
	57	58	67	68	69	76	77		
0	27.3	27.1	27.0	26.9	27.0	26.2	26.0		26.8
10	27.4	27.1	26.9	27.0	26.7	26.2	26.0		26.8
20							25.7		25.7
Avg.	27.3	27.1	26.9	27.0	26.9	26.2	25.9		26.7

Table 54.--Temperatures (°C), inner shelf, fall season

Southern Inner Shelf									
Depth (m)	Stations							Avg.	
	3	4	11	12	13	21	22		
0	25.8	25.9	23.9	23.7	22.7	21.6	21.3		23.6
10	26.0	25.5	22.5	23.6	22.5	21.2	18.3		23.2
20		25.2							25.2
Avg.	25.9	25.5	23.4	23.7	22.7	21.4	20.3		23.5

Central Inner Shelf										
Depth (m)	Stations									Avg.
	23	34	35	36	44	45	46	55	56	
0	21.1	23.2	20.3	20.2	19.4	18.7	18.8	19.3	17.3	19.6
10	17.9	23.4	20.3	20.2	19.4	18.7	18.9	19.3		19.6
Avg.	20.0	23.3	20.3	20.2	19.4	18.7	18.8	19.3	17.3	19.6

Northern Inner Shelf									
Depth (m)	Stations							Avg.	
	57	58	67	68	69	76	77		
0	19.2	19.0	17.3	16.7	14.5	17.3	16.5		17.3
10	19.1	19.0	17.3	16.8	15.2	17.4	16.5		17.4
20									
Avg.	19.2	19.0	17.3	16.7	14.8	17.3	16.5		17.3

Table 55.--Temperatures (°C), outer shelf, winter season

Southern Outer Shelf

Depth (m)	Stations				Avg.	
	5	10	14	19		20
0	22.6	24.1	22.1	21.1	17.7	21.7
10	22.5	24.0	22.1	21.1	17.7	21.6
20	21.7	22.9	22.0	20.9	17.9	21.2
30	19.0		21.2	20.8		20.0
50			21.0			21.0
Avg.	21.4	23.7	21.7	21.0	17.8	21.2

Central Outer Shelf

Depth (m)	Stations														Avg.
	24	25	26	31	32	33	37	38	42	43	47	48	53	54	
0	16.9	19.3	21.1		18.1	15.5	15.3	18.7	19.4	17.3	17.6	19.6	20.0	16.3	18.1
10	16.7	19.3	21.1		18.1	15.6	15.3	18.6	19.2	17.0	17.1	19.4	19.9	17.0	18.0
20	17.3	19.3	21.0		18.2	15.7	15.3	18.5	18.8	16.7	17.0	19.4	19.8	16.5	18.1
30		18.2	20.6		18.1	16.2	16.2	18.0	18.5		18.9	18.9	18.9	18.6	18.6
50			19.0						18.0		17.9	17.9	18.4	18.3	18.3
75			16.0						16.7		16.1	16.1	16.7	16.4	16.4
Avg.	16.9	19.1	19.8		18.2	15.6	15.4	18.4	18.4	17.0	17.2	18.5	19.0	16.6	18.0
100			13.9									15.1	15.6	14.9	14.9
150			6.9									13.6	13.6	12.3	12.3
200												10.7	10.7	10.7	10.7
Avg.			11.6									13.6	14.6	13.4	13.4

Table 55.--Temperatures (°C.), outer shelf, winter season--Continued

Depth (m)	Northern Outer Shelf								AVG.
	Stations								
	59	60	65	66	70	71	75	78	
0	17.8	20.4	20.7	18.3	17.2	21.2	19.2		19.1
10	17.9	20.2	20.8	18.2	16.8	21.0	19.3		19.0
20	17.9	20.0	20.7	14.3	16.5	20.7	19.0		18.5
30		19.9	20.6			20.5	20.2		20.3
50		17.4				20.8			19.1
75		16.7				20.4			18.5
AVG.	17.9	19.1	20.7	16.9	16.8	20.8	19.3		19.0
100		15.9				20.1			18.0
150									
200									
AVG.		15.9				20.1			18.0

Table 56.--Temperatures (°C), outer shelf, spring season

Southern Outer Shelf

Depth (m)	Stations				Avg.
	5	10	14	19	
0	24.4	24.5	25.3	22.7	24.1
10	23.8	24.2	25.2	22.7	23.8
20	20.9	21.7	24.6	22.7	22.3
30	19.1	21.2	24.3	20.2	21.4
50			20.5		20.5
Avg.	22.0	23.1	24.4	22.1	21.6

Central Outer Shelf

Depth (m)	Stations										Avg.			
	24	25	26	31	32	33	37	38	42	43		47	48	53
0	21.2	21.6	23.2	22.7	20.5	19.9	22.8	23.3	22.2	22.6	22.3	24.3	24.6	22.0
10	21.2	21.7	23.2	22.7	20.5	20.0	22.0	23.3	21.9	22.3	20.2	24.1	24.6	22.0
20	21.1	21.2	23.2	22.7	20.7	21.2	22.3	22.3	20.9	20.1	18.1	22.6	24.6	21.0
30			22.9	22.7	20.8		18.3		19.1			21.1	24.0	21.3
50			21.5	22.7					16.6			18.7	22.6	19.9
75			18.0						14.8			17.2	20.4	17.6
Avg.	21.2	21.5	22.0	22.7	20.6	20.0	22.0	21.8	19.2	21.7	20.2	21.3	23.5	21.7
100			14.0						13.3			15.9	18.4	15.4
150												13.7	14.6	14.2
200												10.5		10.5
Avg.			14.0						13.3			13.3	16.5	14.3

Table 56.--Temperatures (°C), outer shelf, spring season--Continued

Depth (m)	Northern Outer Shelf										Avg.
	Stations										
	59	60	65	66	70	71	75	78			
0	21.4	21.7	21.9	21.2	20.8	25.2	21.3	20.0			21.7
10	21.0	21.7	22.0	20.8	20.1	25.3	21.2	19.9			21.5
20		22.4	21.7	19.5	19.2	25.0	20.7	19.8			21.2
30		21.1	20.2			24.9	20.0				21.5
50		19.1				24.4					21.8
75		17.9				23.1					20.5
Avg.	21.2	20.7	21.4	20.5	20.0	24.6	20.8	19.9			21.4
100		16.0				21.5					18.7
150		14.1									14.1
200		12.3									12.3
Avg.		14.1				21.5					16.0

Table 57.--Temperatures ($^{\circ}\text{C}$), outer shelf, summer season

		Southern Outer Shelf								Central Outer Shelf															
		Stations								Stations															
		5	10	14	19	20	Avg.		24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.		
Depth (m)	0	28.1	28.3	28.2	27.8	27.5	28.0	28.0	27.8	27.8	28.1	27.6	27.8	27.8	28.0	28.0	28.2	27.8	27.6	28.0	27.9	27.5	27.9	27.9	
	10	27.1	27.8	28.0	27.8	27.5	27.6	27.6	27.5	28.1	27.9	27.3	27.9	27.5	27.9	27.9	27.9	27.7	27.2	27.8	27.7	27.2	27.7	27.6	
	20	25.0	25.7	27.4	27.7	27.4	26.6	26.6	27.4	27.9	26.5	26.6	26.9	26.9	27.7	25.6	26.9	26.9	26.2	27.4	27.5	26.0	27.5	26.9	
	30	21.0		25.6	26.8		25.5			27.3	25.2	26.5	26.1		26.1	23.1	25.3		25.1	25.1	25.3		25.6	25.6	
	50			24.5			24.5			25.7	22.8				19.0	19.0				21.1	21.7		22.2	22.2	
	Avg.	26.2	27.3	26.7	27.5	27.5	27.0			27.6	26.7	27.0	27.4	27.4	27.4	23.4	27.4	27.4	27.0	17.2	24.4	24.8	26.9	19.1	26.3
Depth (m)	100			18.1			14.5			23.1					16.6	16.6				14.3	16.3		15.9	15.9	
	150									18.1										11.2	13.6		12.1	12.1	
	200																			10.2	15.2		10.2	10.2	
	Avg.			18.1			14.5			18.1										12.1	15.2		14.2	14.2	

Table 57.---Temperatures (°C), outer shelf, summer season---Continued

Depth (m)	Northern Outer Shelf								Avg.
	59	60	65	Stations			75	78	
				66	70	71			
0	26.6	27.8	27.2	26.7	26.9	27.6	27.5	26.2	27.1
10	26.6	27.7	27.2	26.7	26.7	27.6	27.5	26.1	27.0
20	24.4	27.6	27.0	24.9	26.0	27.5	27.5	25.5	26.6
30		25.0	25.9			26.5	24.3		25.5
50		20.8				24.6			22.7
75		18.6				21.7			20.1
Avg.	26.3	24.6	26.8	26.3	26.5	25.9	26.7	26.0	26.0
100		16.7				18.4			17.4
150		14.3							14.3
200		12.2							12.2
Avg.		14.7				18.4			15.4

Table 58.--Temperatures (°C), outer shelf, fall season

		Southern Outer Shelf						Central Outer Shelf																	
		Stations						Stations																	
		5	10	14	19	20							33	37	38	42	43	47	48	53	54	Avg.			
Depth (m)	0	26.0	25.4	25.3	25.5	23.6							24.3	21.7	24.4	25.1	22.1	22.5	24.0	24.2	22.9	23.9			
	10	26.0	25.4	25.3	25.4	23.5							24.1	21.7	24.4	25.1	22.1	22.6	24.0	24.3	22.9	23.9			
	20	25.9	25.6	25.4	25.1	23.5							24.1	21.8	24.4	25.1	22.1	22.0	23.9	24.3	22.5	23.8			
	30	25.8	25.4	25.4	24.6	25.2							24.8	24.4	24.4	24.6	24.4	23.9	23.9	24.2	24.2	24.7	24.5		
	50		25.1	25.1	25.1	25.1							24.8	24.4	24.4	23.7	22.7	23.5	23.5	22.3	24.2	24.5	24.5		
Avg.		25.9	25.5	25.3	25.1	23.5							24.2	21.8	24.4	24.4	22.4	22.4	23.8	23.9	22.7	24.0	24.0		
																		21.8					22.6		
Depth (m)	100																	21.8					17.0	20.1	22.6
	150																	21.8					17.0	17.3	17.0
	200																	21.8					19.9	18.7	17.0
Avg.																		21.8					19.9	18.7	20.4

Table 58. --Temperatures (°C), outer shelf, fall season--Continued

Depth (m)	Northern Outer Shelf								Avg.
	Stations								
	59	60	65	66	70	71	75	78	
0	21.8	24.1	23.5	19.7	19.3	22.3	23.7		21.9
10	21.7	24.1	23.5	19.8	19.2	22.3	23.7		21.9
20	21.1	24.1	23.5	19.8	19.2	22.3	23.7		21.8
30		24.2	23.4			22.2	23.3		23.5
50		24.2				22.2			23.5
75		23.3				22.1			22.9
Avg.	21.6	24.0	23.5	19.8	19.2	22.2	23.6		22.2
100		22.1				22.0			22.1
150		18.5							18.5
200		15.4							15.4
Avg.		19.3				22.0			19.8

Table 59.--Temperatures (°C), offshore, winter season

Depth (m)	Southern Offshore										Avg.
	Stations										
	1	2	6	7	8	9	15	16	17	18	
0	24.6	24.9	24.7	24.6	24.6	24.6	24.9	23.6	23.8	24.8	24.6
10	24.6	24.8	24.7	24.6	24.6	24.6	24.9	23.5	23.8	24.7	24.5
20	24.5	24.8	24.7	24.6	24.6	24.6	24.9	23.5	23.7	24.7	24.5
30	24.5	24.8	24.7	24.6	24.6	24.6	24.8	23.3	23.6	24.8	24.5
50	24.5	24.6	24.6	24.6	24.6	24.6	24.8	23.0	23.3	24.8	24.4
75	24.4	23.7	23.9	24.5	24.5	24.5	24.5	22.8	22.9	24.6	24.1
Avg.	24.5	24.6	24.6	24.6	24.6	24.6	24.8	23.3	23.5	24.7	24.4
100	24.1	22.7	23.1	24.4	24.2	24.3	24.3	22.6	22.6	24.3	23.6
150	21.8	19.1	21.2	22.4	21.1	21.1	21.1	22.2	21.8	22.0	21.3
200	19.9	16.4	18.3	20.3	19.1	18.7	18.7	19.9	20.1	17.3	18.9
250	18.9	15.0	15.5	18.5	18.0	17.9	17.9	19.0	19.0	13.7	17.2
300	18.0	13.4	13.2	17.1	17.1	16.7	16.7	18.2	18.1	11.3	15.8
Avg.	20.5	17.3	18.3	20.5	19.9	19.7	19.7	20.4	20.3	17.7	19.4
400	15.7	9.8	11.5	15.7	15.1	13.5	13.5	17.5	16.4	8.3	13.7
500	13.8			12.1	12.1	10.1	10.1	16.1	14.7		13.2
600				9.5	9.5	6.4	6.4	13.3	12.0		10.2
800											
1000											
Avg.	15.1	9.8	11.5	15.7	12.3	10.0	10.0	15.6	14.4	8.3	12.8

Table 59.--Temperatures (°C), offshore, winter season--Continued

Depth (m)	Central Offshore											AVG.
	27	28	29	30	39	40	41	49	50	51	52	
0		23.5			23.7	24.2	24.0	23.5	24.1	22.7	20.0	23.2
10		23.5			23.6	24.2	24.0	23.4	24.0	22.7	19.9	23.2
20		23.4			23.5	24.2	24.0	22.8	24.0	22.7	19.8	23.0
30		23.5			22.7	24.2	23.9	21.8	24.0	22.6	19.2	22.7
50		23.5			21.3	24.2	23.7	19.8	24.0	22.0	17.3	21.9
75		23.4			19.8	23.8	23.3	18.8	23.7	20.9	16.1	21.1
AVG.		23.5			22.5	24.1	23.8	21.7	24.0	22.3	18.7	22.5
100		23.3			18.7	23.3	22.2	17.9	22.9	19.2	15.3	20.3
150		22.6			16.6	21.7	19.1	16.1	20.8	15.3	13.5	18.0
200		20.3			14.6	20.2	16.8	14.0	18.6	13.4	11.2	15.6
250		19.6			12.6	18.9	15.3	11.8	16.7	10.9	10.3	14.2
300		19.1			10.8	17.1	14.3		15.4	9.5	10.2	14.0
AVG.		21.0			14.7	20.9	17.5	14.9	18.9	14.5	12.3	16.7
400						12.5	9.5		12.5	7.6		10.9
500									11.1	6.5		8.8
600												
800												
1000												
AVG.						12.5	9.5		12.0	7.0		10.3

Table 59.--Temperatures ($^{\circ}\text{C}$), offshore, winter season--Continued

Depth (m)	Northern Offshore										Avg.
	Stations										
	61	62	63	64	72	73	74	79	80		
0	20.2	22.6	22.5	21.4	24.1	24.1	23.4				22.1
10	20.2	22.6	22.5	21.4	24.1	24.1	23.6				22.1
20	19.8	22.6	22.5	21.4	24.1	24.1	23.5				22.0
30	19.7	22.6	22.5	21.1	24.1	24.1	23.4				21.9
50	19.1	22.5	21.9	20.6	23.9	23.1	23.1				21.6
75	18.5	22.2	20.2	20.1	23.4	22.5	22.5				21.0
Avg.	19.6	22.5	22.0	21.0	24.0	23.3	23.3				21.8
100	17.3	21.2	18.5	19.2	22.6	20.9	20.9				19.8
150	13.4	18.3	15.1	16.2	20.7	17.1	17.1				16.6
200	11.7	16.1	12.5	13.4	19.0	17.9	17.9				14.4
250	9.9	14.7	11.1		17.9	16.8	16.8				13.0
300	8.7	13.7	9.7		16.8	19.4	19.4				12.5
Avg.	12.6	16.8	13.4	16.3	19.4	19.4	19.4				15.6
400		11.8	7.9		15.0	13.1	13.1				11.6
500		9.6	7.0		13.1	13.1	13.1				9.8
600		10.0	6.0								8.0
800											
1000		10.6	7.0		14.1						10.2
Avg.		10.6	7.0		14.1						10.2

Table 60.--Temperatures (°C), offshore, spring season

Depth (m)	Southern Offshore										AVG.	
	Stations											
	1	2	6	7	8	9	15	16	17	18		
0	26.5	25.6	26.3	26.1	26.1	26.0	26.4	26.0	26.1	25.8	26.1	26.1
10	26.1	25.6	26.2	26.0	26.1	26.0	26.3	26.1	26.1	25.7	26.1	26.0
20	26.1	25.6	26.2	26.1	26.1	26.1	26.2	26.0	25.8	25.7	26.0	26.0
30	26.1	25.4	26.2	26.0	26.1	26.0	26.1	25.5	25.4	25.5	25.5	25.9
50	26.1	24.7	26.0	26.0	26.0	25.5	26.0	24.9	24.8	24.5	24.5	25.5
75	25.7	23.4	24.5	25.6	25.3	24.4	25.6	24.6	24.3	22.3	24.3	24.7
Avg.	26.1	25.0	25.9	26.0	25.9	25.7	26.1	25.5	25.4	24.9	25.4	25.7
100	25.1	21.5	22.1	24.9	24.4	22.8	25.0	24.1	23.8	20.3	23.8	23.6
150	22.0	17.4	19.3	21.9	22.2	19.3	22.1	22.5	22.1	18.3	22.1	20.8
200	19.6	17.6	16.8	20.1	20.4	17.3	19.4	20.9	20.5	19.3	20.5	19.3
250	18.0	15.9	14.1	18.6	18.6	14.1	17.9	19.4	19.1	17.6	19.1	17.6
300	16.6	14.3	11.0	17.3	17.0		16.6	18.2	17.9	16.6	17.9	16.6
Avg.	20.2	17.9	17.3	20.5	20.5	19.0	20.2	21.0	20.7	19.3	20.7	19.8
400	14.0	11.1		14.9	14.3		13.8	16.3	15.7	14.5	15.7	14.5
500	13.9	9.6			11.5		11.0	13.4	13.4	12.2	13.4	12.2
600	11.5				9.3		10.7	10.9	10.7	10.5	10.7	10.5
800												
1000												
Avg.	13.3	10.3		14.9	11.7		12.1	13.5	13.3	12.8	13.3	12.8

Table 60.---Temperatures (°C), offshore, spring season--Continued

Depth (m)	Stations												Avg.
	Central						Offshore						
	27	28	29	30	39	40	41	49	50	51	52		
0	25.7	25.8	25.8	25.2	25.7	26.8	27.0	23.8				25.7	
10	25.7	25.7	25.8	25.0	25.6	26.7	27.0	23.8				25.6	
20	25.6	25.7	25.7	24.9	24.7	26.5	26.8	23.6				25.4	
30	25.6	25.6	25.7	24.5	23.8	26.3	26.5	22.5				25.1	
50	24.8	24.4	24.8	23.8	22.4	25.4	25.7	20.0				23.9	
75	23.3	22.6	23.4	22.2	19.8	23.9	24.3	16.4				22.0	
Avg.	25.1	25.0	25.2	24.3	23.7	25.9	26.2	21.7				24.6	
100	21.4	22.2	22.3	19.8	16.6	23.0	22.5	14.6				20.3	
150	18.9	21.0	20.3	17.9	13.4	21.2	19.3	12.4				18.1	
200	17.0	20.0	19.6	16.3	10.9	19.5	16.0	9.3				16.1	
250	15.1	19.0	18.7	14.4		18.4		7.1				15.5	
300		18.1	17.6	12.2		17.8						16.4	
Avg.	18.1	20.1	19.7	16.1	13.6	20.0	19.3	10.8				17.5	
400		16.1	14.7			15.5						15.4	
500		13.9	10.4									12.2	
600													
800													
1000													
Avg.		15.0	12.6			15.5						14.1	

Table 60.--Temperatures (°C), offshore, spring season--Continued

Depth (m)	Northern Offshore										Avg.
	Stations										
	61	62	63	64	72	73	74	79	80		
0	24.1	26.0	25.0	23.6	25.4	25.7	26.0	25.3	25.7		25.2
10	23.6	25.8	24.9	23.5	25.4	25.7	26.0	25.4	25.7		25.1
20	23.6	25.7	24.8	19.5	25.2	25.8	26.0	25.4	25.6		24.6
30	21.3	25.5	24.7	19.2	24.4	25.7	25.6	25.4	25.6		24.2
50	17.3	24.7	23.5	18.7	23.3	25.2	24.9	24.7	25.4		23.1
75	13.2	23.0	21.3		21.6	23.7	23.7	23.0	23.6		21.6
Avg.	20.5	25.1	24.0	20.9	24.2	25.3	25.3	24.9	25.3		24.0
100	11.1	21.6	18.1		19.9	22.6	22.5	21.4	22.3		19.9
150	9.7	19.9	14.8		14.9	21.4	20.1	18.5	20.8		17.5
200	8.8	17.8			13.6	20.1	18.3	15.9	19.7		16.3
250	8.3	17.0			12.8	18.8	17.3	13.5	19.0		15.2
300	7.9	16.4			12.0	18.2	15.5	11.4	18.3		14.2
Avg.	9.2	18.5	16.5		14.6	20.2	18.7	16.1	20.0		16.8
400	7.6	15.2			8.9	16.3	11.8		16.9		12.8
500							7.3		15.0		11.2
600							5.3		12.4		8.9
800							4.2		7.1		5.7
1000							4.0		4.7		4.4
Avg.	7.6	15.2			8.9	16.3	6.5		11.2		9.8

Table 61.--Temperatures (°C), offshore, summer season

Depth (m)	Southern Offshore										AVG.
	Stations										
	1	2	6	7	8	9	15	16	17	18	
0	28.5	28.7	28.8	28.4	28.3	28.8	28.7	28.4	28.7	29.0	28.6
10	28.4	28.6	28.7	28.4	28.3	28.7	28.5	28.4	28.4	28.7	28.5
20	28.3	28.3	28.5	28.3	28.2	28.5	28.2	28.3	28.3	28.5	28.4
30	28.2	27.6	27.9	28.1	27.8	28.2	27.9	28.0	28.1	28.4	28.0
50	27.7	26.3	27.0	27.3	27.1	27.4	27.2	27.3	27.6	27.8	27.3
75	25.9	25.0	25.6	25.9	26.5	26.2	26.3	26.2	26.6	26.5	26.1
AVG.	27.8	27.4	27.7	27.7	27.7	28.0	27.8	27.8	28.0	28.2	27.8
100	24.4	23.6	24.3	24.5	25.4	24.7	25.5	25.1	25.4	25.0	24.8
150	21.8	20.7	21.3	21.6	22.4	20.6	23.1	22.6	22.6	20.7	21.8
200	19.7	18.2	18.3	19.8	20.4	19.0	20.3	20.6	20.5	16.1	19.3
250	19.0	15.9	15.7	18.9	19.3	15.8	17.4	19.4	19.3	13.6	17.6
300	18.2	14.4	13.3	18.1	18.1	13.0	14.4	18.4	18.1	11.5	16.1
AVG.	20.6	18.9	18.6	20.6	21.1	19.3	20.1	21.2	21.2	18.1	20.0
400	16.1	10.4		16.0	16.1		10.6	17.0	15.8	9.1	14.5
500	13.0	8.9		13.3	12.8		7.3	14.7	13.1		12.7
600				10.0				11.7	10.5		10.8
800								8.1			8.1
1000											
AVG.	15.3	9.9		14.9	13.3		9.8	13.8	13.1	9.1	13.1

Table 61.---Temperatures (°C), offshore, summer season--Continued

Depth (m)	Central Offshore											Avg.
	Stations											
	27	28	29	30	39	40	41	49	50	51	52	
0	28.7	28.5	28.5	28.9	28.6	29.5	29.3	28.3	28.7	28.3	28.0	28.6
10	28.6	28.5	28.4	29.0	28.3	28.7	28.9	28.2	28.7	28.3	28.0	28.5
20	28.4	28.4	28.3	28.7	27.7	28.6	28.5	28.1	28.4	27.9	27.5	28.2
30	28.1	28.1	28.1	28.3	26.8	28.3	27.8	27.5	28.1	27.2	25.9	27.6
50	27.3	27.3	27.6	27.3	23.6	27.4	26.6	26.2	27.5	25.8	22.7	26.2
75	26.2	26.1	26.1	25.7	19.9	26.2	24.5	23.6	26.5	24.4	17.3	24.4
Avg.	27.9	27.8	27.8	28.0	25.8	28.1	27.6	27.0	28.0	27.0	25.3	27.3
100	25.2	25.1	24.2	24.2	17.6	24.5	22.1	20.8	23.7	23.2	15.2	22.5
150	22.7	22.4	21.4	20.9	15.0	21.5	16.9	15.3	19.7	21.2	13.4	19.3
200	19.1	20.4	19.6	18.2	13.1	19.9	14.1	13.6	18.2	18.2	11.9	17.4
250	16.2	19.4	18.9	16.1	10.8	18.5	12.1	11.8	16.6	15.7	10.3	15.5
300	14.1	18.4	18.0	14.0	9.4	17.5	10.3	10.3	15.3	13.8	8.7	14.3
Avg.	19.4	21.2	20.4	18.7	13.5	20.4	15.6	16.0	18.7	18.4	11.9	17.9
400	10.2	16.4	16.8	11.8		15.5			15.7	8.4		14.2
500	8.6	14.3	14.5			14.5			13.2			13.5
600		12.4	11.6									12.0
800												
1000												
Avg.	9.4	14.6	14.3	11.8		15.2			14.5	8.4		13.6

Table 61.--Temperatures (°C), offshore, summer season--Continued

Depth (m)	Northern Offshore										Avg.
	Stations										
	61	62	63	64	72	73	74	79	80		
0	28.1	28.3	28.1	28.1	28.4	27.6	27.3	27.8	27.9		28.0
10	28.1	28.3	28.2	28.2	28.4	27.7	27.3	27.8	27.9		28.0
20	27.7	28.1	28.0	28.0	28.4	27.7	27.2	27.8	27.8		27.9
30	27.2	27.8	27.6	27.2	28.0	27.7	26.8	27.7	27.5		27.5
50	24.7	26.7	26.8	25.7	26.8	26.5	25.6	26.8	26.8		26.2
75	21.0	25.4	25.5	23.7	25.3	25.0	22.9	25.1	25.3		24.3
Avg.	26.1	27.4	27.4	26.8	27.5	27.0	26.2	27.2	27.2		27.0
100	18.1	23.9	23.7	21.7	23.6	23.8	20.3	21.7	23.9		22.3
150	14.3	20.8	20.4	17.2	20.2	22.2	17.3	18.2	21.3		19.0
200	12.3	18.6	18.3	14.3	17.6	19.5	15.5	16.7	19.6		16.8
250	10.8	16.4	16.9	11.9	14.9	16.8	14.6	15.5	18.8		15.3
300	10.7	14.4	15.6	11.9	15.2	15.4	13.3	14.0	17.3		14.8
Avg.	13.6	18.8	19.0	17.2	19.1	19.5	16.2	17.2	20.2		17.9
400	8.9	12.3	13.8		11.5	13.6	10.9	14.5	15.7		12.9
500		10.4			9.1	12.1	8.3	10.4	15.8		10.8
600		7.4				10.6	6.4	7.2	12.6		9.1
800						9.0			8.8		8.9
1000									5.7		5.7
Avg.	8.9	10.6	13.8		10.3	11.6	8.9	10.7	12.4		11.1

Table 62.--Temperatures (°C), offshore, fall season

Depth (m)	Southern Offshore										Avg.
	Stations										
	1	2	6	7	8	9	15	16	17	18	
0	27.3	27.1	27.3	27.2	27.3	27.3	27.2	27.2	26.6	27.2	27.2
10	27.3	27.1	27.3	27.3	27.3	27.3	27.2	27.2	26.6	27.3	27.2
20	27.3	27.1	27.3	27.3	27.3	27.3	27.2	27.2	26.6	27.4	27.2
30	27.3	27.1	27.3	27.3	27.3	27.4	27.3	27.1	26.6	27.4	27.2
50	27.3	27.0	27.0	27.1	27.3	27.3	27.3	26.9	26.6	27.1	27.1
75	26.1	25.2	26.4	26.5	26.7	27.0	26.8	26.9	26.5	25.6	26.4
Avg.	27.1	26.8	27.1	27.1	27.2	27.3	27.2	27.1	26.6	27.0	27.1
100	24.9	23.7	25.6	25.6	25.7	25.8	26.0	26.6	25.6	24.3	25.4
150	22.5	20.3	21.7	22.2	22.6	22.1	22.3	22.1	21.9	20.9	21.8
200	20.0	17.6	18.7	19.7	20.4	18.4	19.4	20.1	19.6	16.2	19.0
250	18.1	15.8	17.1	18.3	18.7	15.1	17.5	18.8	18.5	13.2	17.1
300	17.3	14.1	15.6	17.3	17.7	14.5	15.8	17.9	17.4	11.2	15.9
Avg.	20.6	18.3	19.7	20.6	21.0	19.7	20.2	21.1	20.6	17.2	19.9
400	15.0	10.8	12.4	15.4	15.7		12.4	16.4	14.7	11.4	13.9
500	13.1			13.6	13.0		9.6	14.1	11.9		12.4
600					10.1		9.0	12.5	9.0		10.5
800											
1000											
Avg.	14.3	10.8	12.4	14.8	12.9		10.6	14.3	11.9	11.4	12.8

Table 62.--Temperatures (°C), offshore, fall season--Continued

Depth (m)	Central Offshore											AVG.
	Stations											
	27	28	29	30	39	40	41	49	50	51	52	
0	27.2	26.8	27.0	26.5	25.4	25.9	25.8	25.0	25.9	25.3	24.0	25.9
10	27.2	26.9	27.0	27.2	25.4	25.9	25.8	24.9	25.9	25.4	24.1	26.0
20	27.2	26.8	26.9	27.2	25.4	25.9	25.8	24.7	25.9	25.2	24.1	25.9
30	27.2	26.8	26.7	27.2	25.4	25.9	25.8	24.6	25.9	25.2	24.1	25.9
50	27.0	26.4	26.1	27.2	25.3	25.9	25.8	24.5	25.9	25.0	24.0	25.7
75	25.9	25.4	25.0	25.5	24.5	25.7	25.3	23.2	25.5	24.4	21.1	24.7
AVG.	26.9	26.5	26.4	26.8	25.2	25.9	25.7	24.5	25.8	25.1	23.6	25.7
100	24.7	24.3	23.8	23.9	22.2	24.9	23.9	21.0	25.1	23.0	18.7	23.2
150	21.7	21.9	21.2	21.0	18.3	22.0	21.0	16.8	22.8	18.8	14.9	20.1
200	19.7	19.9	19.7	19.2	15.3	20.4	17.8	14.3	20.6	15.7	12.1	17.7
250	18.3	18.9	18.9	17.9	13.0	19.1	14.3	12.8	17.3	13.7	11.0	15.9
300	16.5	18.3	18.1	16.6	11.3	17.7	12.2	13.4	14.6	12.3	10.4	14.7
AVG.	20.2	20.7	20.4	19.7	16.0	20.8	17.9	15.9	20.1	16.7	13.4	18.4
400	12.1	17.1	16.3	11.7	10.5				11.9	12.5		13.4
500	9.3	15.2	14.1	9.1					14.0	9.1		12.2
600		12.7	11.7						11.2			12.0
800												
1000												
AVG.	10.7	15.0	14.0	10.8	10.5				12.2	10.8		12.7

Table 62.--Temperatures (°C), offshore, fall season--Continued

Depth (m)	Northern Offshore								Avg.
	Stations								
	61	62	63	64	72	73	74	79	80
0	24.9	25.1	25.6	25.5	24.7				
10	24.9	25.1	25.6	25.5	24.6				
20	24.9	25.1	25.6	25.5	24.6				
30	24.9	25.1	25.6	25.5	24.5				
50	24.7	25.0	25.6	25.4	24.4				
75	23.5	24.8	25.3	25.4	24.2				
Avg.	24.6	25.1	25.5	25.5	24.5				25.0
100	22.1	24.1	24.6	25.4	23.6				23.8
150	19.8	21.1	21.4	23.8	21.6				21.2
200	16.3	19.2	19.3	20.2	19.0				18.6
250	14.7	17.9	18.3	17.6	17.5				17.1
300	12.8	16.7	16.5	14.4	14.6				15.1
Avg.	17.1	19.8	20.0	20.3	19.3				19.2
400	11.7	14.4	13.5						13.5
500		11.8	14.9						12.8
600		9.9	12.1						11.0
800									
1000									
Avg.	11.7	12.5	13.5						12.8

Table 63.--Temperatures ($^{\circ}\text{C}$), inner shelf, summary by season

Southern Inner Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	19.1	23.0	27.7	23.6
10	18.5	22.7	27.4	23.2
20			28.0	25.2
Avg.	18.8	22.9	27.6	23.5

Central Inner Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	13.5	21.6	27.8	19.6
10	13.7	20.2	27.8	19.6
Avg.	13.6	21.0	27.8	19.6

Northern Inner Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	13.5	20.8	26.8	17.3
10	13.6	20.1	26.8	17.4
20	16.1		25.7	
Avg.	13.7	20.4	26.7	17.3

Table 64.--- Temperatures ($^{\circ}\text{C}$), outer shelf, summary by season

Southern Outer Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	21.7	24.1	28.0	25.2
10	21.6	23.8	27.6	25.1
20	21.2	22.3	26.6	25.1
30	20.0	21.4	25.5	25.2
50	21.0	20.5	24.5	25.1
Avg.	21.2	22.9	27.0	25.1

Central Outer Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	18.1	22.4	27.9	23.9
10	18.0	22.1	27.6	23.9
20	18.1	21.5	26.9	23.8
30	18.6	21.3	25.6	24.7
50	18.3	19.9	22.2	24.5
75	16.4	17.6	19.1	23.6
Avg.	18.0	21.5	26.3	24.0
100	14.9	15.4	15.9	22.6
150	12.3	14.2	12.1	17.0
200	10.7	10.5	10.2	
Avg.	13.4	14.3	14.2	20.4

Northern Outer Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	19.1	21.7	27.1	21.9
10	19.0	21.5	27.0	21.9
20	18.5	21.2	26.6	21.8
30	20.3	21.5	25.5	23.5
50	19.1	21.8	22.7	23.5
75	18.5	20.5	20.1	22.9
Avg.	19.0	21.4	26.0	22.2
100	18.0	18.7	17.4	22.1
150		14.1	14.3	18.5
200		12.3	12.2	15.4
Avg.	18.0	16.0	15.4	19.8

Table 65.--Temperatures ($^{\circ}\text{C}$), offshore, summary by season

		Southern Offshore			
Depth (m)	Season				
	Winter	Spring	Summer	Fall	
0	24.6	26.1	28.6	27.2	
10	24.5	26.0	28.5	27.2	
20	24.5	26.0	28.4	27.2	
30	24.5	25.9	28.0	27.2	
50	24.4	25.5	27.3	27.1	
75	24.1	24.7	26.1	26.4	
Avg.	24.4	25.7	27.8	27.1	
100	23.6	23.6	24.8	25.4	
150	21.3	20.8	21.8	21.8	
200	18.9	19.3	19.3	19.0	
250	17.2	17.6	17.6	17.1	
300	15.8	16.6	16.1	15.9	
Avg.	19.4	19.8	20.0	19.9	
400	13.7	14.5	14.5	13.9	
500	13.2	12.2	12.7	12.4	
600	10.2	10.5	10.8	10.5	
800			8.1		
Avg.	12.8	12.8	13.1	12.8	

		Central Offshore			
Depth (m)	Season				
	Winter	Spring	Summer	Fall	
0	23.2	25.7	28.6	25.9	
10	23.2	25.6	28.5	26.0	
20	23.0	25.4	28.2	25.9	
30	22.7	25.1	27.6	25.9	
50	21.9	23.9	26.2	25.7	
75	21.1	22.0	24.4	24.7	
Avg.	22.5	24.6	27.3	25.7	
100	20.3	20.3	22.5	23.2	
150	18.0	18.1	19.3	20.1	
200	15.6	16.1	17.4	17.7	
250	14.2	15.5	15.5	15.9	
300	14.0	16.4	14.3	14.7	
Avg.	16.7	17.5	17.9	18.4	
400	10.9	15.4	14.2	13.4	
500	8.8	12.2	13.5	12.2	
600			12.0	12.0	
Avg.	10.3	14.1	13.6	12.7	

Table 65.--Temperatures (°C), offshore, summary by season--Continued

Depth (m)	Northern Offshore			
	Season			
	Winter	Spring	Summer	Fall
0	22.1	25.2	28.0	25.1
10	22.1	25.1	28.0	25.2
20	22.0	24.6	27.9	25.2
30	21.9	24.2	27.5	25.1
50	21.6	23.1	26.2	25.1
75	21.0	21.6	24.3	24.6
Avg.	21.8	24.0	27.0	25.0
100	19.8	19.9	22.3	23.8
150	16.6	17.5	19.0	21.2
200	14.4	16.3	16.8	18.6
250	13.0	15.2	15.3	17.1
300	12.5	14.2	14.8	15.1
Avg.	15.6	16.8	17.9	19.2
400	11.6	12.8	12.9	13.5
500	9.8	11.2	10.8	12.8
600	8.0	8.9	9.1	11.0
800		5.7	8.9	
1000		4.4	5.7	
Avg.	10.2	9.8	11.1	12.8

Table 66.-- Temperatures ($^{\circ}\text{C}$), summary comparison by season for inner shelf from south to north

Depth (m)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	19.1	13.5	13.5	23.0	21.6	20.8
10	18.5	13.7	13.6	22.7	20.2	20.1
20			16.1			
Avg.	18.8	13.6	13.7	22.9	21.0	20.4

Depth (m)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	27.7	27.8	26.8	23.6	19.6	17.3
10	27.4	27.8	26.8	23.2	19.6	17.4
20	28.0		25.7	25.2		
Avg.	27.6	27.8	26.7	23.5	19.6	17.3

Table 67.-- Temperatures ($^{\circ}\text{C}$), summary comparison by season for outer shelf from south to north

Depth (m)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	21.7	18.1	19.1	24.1	22.4	21.7
10	21.6	18.0	19.0	23.8	22.1	21.5
20	21.2	18.1	18.5	22.3	21.5	21.2
30	20.0	18.6	20.3	21.4	21.3	21.5
50	21.0	18.3	19.1	20.5	19.9	21.8
75		16.4	18.5		17.6	20.5
Avg.	21.2	18.0	19.0	22.9	21.5	21.4
100		14.9	18.0		15.4	18.7
150		12.3			14.2	14.1
200		10.7			10.5	12.3
Avg.		13.4	18.0		14.3	16.0

Depth (m)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	28.0	27.9	27.1	25.2	23.9	21.9
10	27.6	27.6	27.0	25.1	23.9	21.9
20	26.6	26.9	26.6	25.1	23.8	21.8
30	25.5	25.6	25.5	25.2	24.7	23.5
50	24.5	22.2	22.7	25.1	24.5	23.5
75		19.1	20.1		23.6	22.9
Avg.	27.0	26.3	26.0	25.1	24.0	22.2
100		15.9	17.4		22.6	22.1
150		12.1	14.3		17.0	18.5
200		10.2	12.2			15.4
Avg.		14.2	15.4		20.4	19.8

Table 68.--Temperatures (°C), summary comparison by season for offshore from south to north

Depth (m)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	24.6	23.2	22.1	26.1	25.7	25.2
10	24.5	23.2	22.1	26.0	25.6	25.1
20	24.5	23.0	22.0	26.0	25.4	24.6
30	24.5	22.7	21.9	25.9	25.1	24.2
50	24.4	21.9	21.6	25.5	23.9	23.1
75	24.1	21.1	21.0	24.7	22.0	21.6
Avg.	24.4	22.5	21.8	25.7	24.6	24.0
100	23.6	20.3	19.8	23.6	20.3	19.9
150	21.3	18.0	16.6	20.8	18.1	17.5
200	18.9	15.6	14.4	19.3	16.1	16.3
250	17.2	14.2	13.0	17.6	15.5	15.2
300	15.8	14.0	12.5	16.6	16.4	14.2
Avg.	19.4	16.7	15.6	19.8	17.5	16.8
400	13.7	10.9	11.6	14.5	15.4	12.8
500	13.2	8.8	9.8	12.2	12.2	11.2
600	10.2		8.0	10.5		8.9
800						5.7
1000						4.4
Avg.	12.8	10.3	10.2	12.8	14.1	9.8
Depth (m)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	28.6	28.6	28.0	27.2	25.9	25.1
10	28.5	28.5	28.0	27.2	26.0	25.2
20	28.4	28.2	27.9	27.2	25.9	25.2
30	28.0	27.6	27.5	27.2	25.9	25.1
50	27.3	26.2	26.2	27.1	25.7	25.1
75	26.1	24.4	24.3	26.4	24.7	24.6
Avg.	27.8	27.3	27.0	27.1	25.7	25.0
100	24.8	22.5	22.3	25.4	23.2	23.8
150	21.8	19.3	19.0	21.8	20.1	21.2
200	19.3	17.4	16.8	19.0	17.7	18.6
250	17.6	15.5	15.3	17.1	15.9	17.1
300	16.1	14.3	14.8	15.9	14.7	15.1
Avg.	20.0	17.9	17.9	19.9	18.4	19.2
400	14.5	14.2	12.9	13.9	13.4	13.5
500	12.7	13.5	10.8	12.4	12.2	12.8
600	10.8	12.0	9.1	10.5	12.0	11.0
800	8.1		8.9			
1000			5.7			
Avg.	13.1	13.6	11.1	12.8	12.7	12.8

Table 69.--Temperatures ($^{\circ}\text{C}$), summary comparison from inner shelf to offshore, southern area, winter season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	19.1	21.7	24.6
10	18.5	21.6	24.5
20		21.2	24.5
30		20.0	24.5
50		21.0	24.4
75			24.1
Avg.	18.8	21.2	24.4
100			23.6
150			21.3
200			18.9
250			17.2
300			15.8
Avg.			19.4
400			13.7
500			13.2
600			10.2
800			
1000			
Avg.			12.8

Table 70.--Temperatures ($^{\circ}\text{C}$), summary comparison from inner shelf to offshore, southern area, spring season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	23.0	24.1	26.1
10	22.7	23.8	26.0
20		22.3	26.0
30		21.4	25.9
50		20.5	25.5
75			24.7
Avg.	22.9	22.9	25.7
100			23.6
150			20.8
200			19.3
250			17.6
300			16.6
Avg.			19.8
400			14.5
500			12.2
600			10.5
800			
1000			
Avg.			12.8

Table 71.--Temperatures (°C), summary comparison from inner shelf to offshore, southern area, summer season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	27.7	28.0	28.6
10	27.4	27.6	28.5
20	28.0	26.6	28.4
30		25.5	28.0
50		24.5	27.3
75			26.1
Avg.	27.6	27.0	27.8
100			24.8
150			21.8
200			19.3
250			17.6
300			16.1
Avg.			20.0
400			14.5
500			12.7
600			10.8
800			8.1
1000			
Avg.			13.1

Table 72.--Temperatures (°C), summary comparison from inner shelf to offshore, southern area, fall season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	23.6	25.2	27.2
10	23.2	25.1	27.2
20	25.2	25.1	27.2
30		25.2	27.2
50		25.1	27.1
75			26.4
Avg.	23.5	25.1	27.1
100			25.4
150			21.8
200			19.0
250			17.1
300			15.9
Avg.			19.9
400			13.9
500			12.4
600			10.5
800			
1000			
Avg.			12.8

Table 73.--Temperatures ($^{\circ}\text{C}$), summary comparison from inner shelf to offshore, central area, winter season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	13.5	18.1	23.2
10	13.7	18.0	23.2
20		18.1	23.0
30		18.6	22.7
50		18.3	21.9
75		16.4	21.1
Avg.	13.6	18.0	22.5
100		14.9	20.3
150		12.3	18.0
200		10.7	15.6
250			14.2
300			14.0
Avg.		13.4	16.7
400			10.9
500			8.8
600			
800			
1000			
Avg.			10.3

Table 74.--Temperatures ($^{\circ}\text{C}$), summary comparison from inner shelf to offshore, central area, spring season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	21.6	22.4	25.7
10	20.2	22.1	25.6
20		21.5	25.4
30		21.3	25.1
50		19.9	23.9
75		17.6	22.0
Avg.	21.0	21.5	24.6
100		15.4	20.3
150		14.2	18.1
200		10.5	16.1
250			15.5
300			16.4
Avg.		14.3	17.5
400			15.4
500			12.2
600			
800			
1000			
Avg.			14.1

Table 75.--Temperatures ($^{\circ}\text{C}$), summary comparison from inner shelf to offshore, central area, summer season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	27.8	27.9	28.6
10	27.8	27.6	28.5
20		26.9	28.2
30		25.6	27.6
50		22.2	26.2
75		19.1	24.4
Avg.	27.8	26.3	27.3
100		15.9	22.5
150		12.1	19.3
200		10.2	17.4
250			15.5
300			14.3
Avg.		14.2	17.9
400			14.2
500			13.5
600			12.0
800			
1000			
Avg.			13.6

Table 76.--Temperatures ($^{\circ}\text{C}$), summary comparison from inner shelf to offshore, central area, fall season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	19.6	23.9	25.9
10	19.6	23.9	26.0
20		23.8	25.9
30		24.7	25.9
50		24.5	25.7
75		23.6	24.7
Avg.	19.6	24.0	25.7
100		22.6	23.2
150		17.0	20.1
200			17.7
250			15.9
300			14.7
Avg.		20.4	18.4
400			13.4
500			12.2
600			12.0
800			
1000			
Avg.			12.7

Table 77.--Temperatures (°C), summary comparison from inner shelf to offshore, northern area, winter season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	13.5	19.1	22.1
10	13.6	19.0	22.1
20	16.1	18.5	22.0
30		20.3	21.9
50		19.1	21.6
75		18.5	21.0
Avg.	13.7	19.0	21.8
100		18.0	19.8
150			16.6
200			14.4
250			13.0
300			12.5
Avg.		18.0	15.6
400			11.6
500			9.8
600			8.0
800			
1000			
Avg.			10.2

Table 78.--Temperatures (°C), summary comparison from inner shelf to offshore, northern area, spring season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	20.8	21.7	25.2
10	20.1	21.5	25.1
20		21.2	24.6
30		21.5	24.2
50		21.8	23.1
75		20.5	21.6
Avg.	20.4	21.4	24.0
100		18.7	19.9
150		14.1	17.5
200		12.3	16.3
250			15.2
300			14.2
Avg.		16.0	16.8
400			12.8
500			11.2
600			8.9
800			5.7
1000			4.4
Avg.			9.8

Table 79.--Temperatures (°C), summary comparison from inner shelf to offshore, northern area, summer season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	26.8	27.1	28.0
10	26.8	27.0	28.0
20	25.7	26.6	27.9
30		25.5	27.5
50		22.7	26.2
75		20.1	24.3
Avg.	26.7	26.0	27.0
100		17.4	22.3
150		14.3	19.0
200		12.2	16.8
250			15.3
300			14.8
Avg.		15.4	17.9
400			12.9
500			10.8
600			9.1
800			8.9
1000			5.7
Avg.			11.1

Table 80.--Temperatures (°C), summary comparison from inner shelf to offshore, northern area, fall season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	17.3	21.9	25.1
10	17.4	21.9	25.2
20		21.8	25.2
30		23.5	25.1
50		23.5	25.1
75		22.9	24.6
Avg.	17.3	22.2	25.0
100		22.1	23.8
150		18.5	21.2
200		15.4	18.6
250			17.1
300			15.1
Avg.		19.8	19.2
400			13.5
500			12.8
600			11.0
800			
1000			
Avg.			12.8

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