

CENTRAL MARINE FISHERIES RESEARCH INSTITUTE ·
OCEANOGRAPHIC STATION LIST—III

This is the third of the series of Oceanographic Stations Lists being released by this Institute [the earlier two appeared in Indian Journal of Fisheries 9(1) and Indian Journal of Fisheries 11(2)] and gives the data collected from Station 1301 to Station 2000 sampled by R. V. VARUNA during the period November 1962 to November 1963.

Station No.	Date	Time	Position		Depth (m) (1)*	Depth (m) (2)*	Temp °C.
			Lat.	Long.			
1301	18-11-1962	1230—1240	10° 00'	71° 00'	3540	..	..
1302	18-11-1962	1450—1715	10° 00'	71° 22'	2860	0	28.31
						10	28.52
						20	28.47
						30	28.40
						50	27.93
						75	23.24
						100	18.43
						150	15.68
						200	13.96
						300	11.90
						400	11.82
						500	10.34
						600	9.63
						700	9.29
						800	8.30
						1000	7.70
						1200	6.43
						1500	4.95
						1800	3.38
						2000	2.81
						2500	2.02
1303	18-11-1962	1930—1942	10° 00'	71° 44'	2480	..	..
1304	18-11-1962	2125—2320	09° 56'	72° 08'	1040	0	28.15
						10	28.40
						20	28.27
						30	28.00
						50	26.89
						75	21.79
						100	18.70
						150	15.50
						200	13.99
						300	12.46
						400	11.41
						500	10.87
						600	10.25
						700	9.18
						800	8.74
						1000	7.46
1305	19-11-1962	0102—0115	09° 55'	72° 21'	1550	..	..

Note— (1)* maximum depth; (2)* depth of sampling.

S ^o / _{oo}	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	BT	..	
35.71	4.50	..	..	..	..
35.68	4.60	..	..	..	..
36.02	4.50	..	..	..	..
36.09	4.70	..	..	..	..
36.45	4.45	..	..	..	..
35.90	1.00	..	..	..	..
35.32	0.25	..	..	..	..
35.32	0.15	..	..	..	..
35.34	0.55	..	..	..	..
35.17	1.05	..	..	..	..
35.17	1.10	..	..	..	..
35.17	0.70	..	..	..	..
35.17	0.75	..	..	..	..
35.17	0.60	..	..	..	..
35.12	0.80	..	..	..	..
35.02	0.70	..	..	..	..
35.03	1.00	..	..	..	..
34.97	1.40	..	..	..	..
34.83	2.20	..	..	..	..
34.81	2.48	..	..	..	..
34.79	3.04	..	..	..	..
..	..	..	..	BT	..	
35.57	..	..	..	..	Z-1:200-0	
35.59	..	..	..	..	..
35.64	..	..	..	..	..
35.99	..	..	..	..	..
36.11	..	..	..	..	..
35.53	..	..	..	..	..
35.14	..	..	..	..	..
35.17	..	..	..	..	..
35.26	..	..	..	..	..
35.17	..	..	..	..	..
35.22	..	..	..	..	..
35.21	..	..	..	..	..
35.20	..	..	..	..	..
35.19	..	..	..	..	..
35.12	..	..	..	..	..
35.12	..	..	..	..	..
..	..	..	..	BT	..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1306	19-11-1962	0325—0540	10° 00'	72° 40'	1780	0	28.14
						10	28.43
						20	28.51
						30	28.48
						50	27.52
						75	21.35
						100	18.94
						150	15.50
						200	14.10
						300	12.50
						400	11.06
						500	10.74
						600	10.30
						700	9.60
						800	8.84
1000	7.50						
1200	6.35						
1500	4.78						
1307	19-11-1962	0757—0809	10° 00'	73° 00'	1930	..	..
1308	19-11-1962	1030—1215	10° 00'	73° 20'	2080	0	28.24
						10	28.50
						20	28.25
						30	27.93
						50	26.92
						75	25.57
						100	19.81
						150	16.96
						200	14.78
						300	12.57
						400	11.38
						500	10.82
						600	9.96
						700	9.41
						800	8.98
1000	7.38						
1200	6.06						
1500	4.55						
1800	3.53						
2000	2.80						
1309	19-11-1962	1435—1442	10° 00'	73° 40'	1300	..	..

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.70	4.60	..	..	..	Z-4:50-0	
35.70	4.65	..	..	..	100-0	
35.70	4.55	..	..	..	200-0(2)	
35.82	4.60	..	..	..	..
36.14	4.25	..	..	..	..
35.34	0.75	..	..	..	..
35.76	0.60	..	..	..	..
35.13	0.55	..	..	..	..
35.16	0.60	..	..	..	..
35.23	0.75	..	..	..	..
35.22	0.90	..	..	..	..
35.21	0.70	..	..	..	..
35.21	0.55	..	..	..	..
35.21	0.55	..	..	..	..
35.17	0.45	..	..	..	..
35.08	0.70	..	..	..	..
35.05	0.90	..	..	..	..
34.99	1.50	..	..	..	..
..	..	..	..	BT	..	
35.30	..	..	..	..	Z-1:200-0	
35.37	..	..	..	..	..
35.44	..	..	..	..	..
35.68	..	..	..	..	..
35.88	..	..	..	..	..
35.51	..	..	..	..	..
35.21	..	..	..	..	..
35.08	..	..	..	..	..
35.03	..	..	..	..	..
35.05	..	..	..	..	..
35.09	..	..	..	..	..
35.14	..	..	..	..	..
35.22	..	..	..	..	..
35.17	..	..	..	..	..
35.07	..	..	..	..	..
34.99	..	..	..	..	..
34.87	..	..	..	..	..
34.74	..	..	..	..	..
34.70	..	..	..	..	..
34.69	..	..	..	..	..
..	..	..	..	BT	..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1310	19-11-1962	1700—2010	10° 00'	74° 00'	2320	0	28.42
						10	28.49
						20	28.44
						30	28.17
						50	27.50
						75	23.32
						100	20.40
						150	16.82
						200	15.64
						300	12.77
						400	11.62
						500	10.85
						600	10.36
						700	9.69
						800	8.85
1000	7.14						
1200	5.93						
1500	4.49						
1800	3.29						
2000	2.74						
1311	19-11-1962	2225—2235	10° 00'	74° 20'	2460	..	..
1312	20-11-1962	0050—0210	10° 00'	74° 40'	2380	0	28.33
						10	28.48
						20	28.30
						30	27.89
						50	27.25
						75	24.16
						100	21.50
						150	18.96
						200	16.23
						300	12.83
						400	11.84
						500	10.94
						600	10.01
						700	9.16
						800	8.51
1000	6.98						
1200	5.94						
1500	4.34						
1800	3.16						
2000	2.60						

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.25	4.55	..	..	..	Z—4:50—0	
34.78	4.45	..	..	..	100—0	
35.50	4.60	..	..	..	200—0(2)	
35.56	4.65	..	..	..	..
35.64	4.25	..	..	..	..
35.50	1.65	..	..	..	..
35.30	1.20	..	..	..	..
34.88	0.25	..	..	..	..
34.87	0.35	..	..	..	..
35.06	0.60	..	..	..	..
35.12	0.40	..	..	..	..
35.12	0.45	..	..	..	..
35.20	0.40	..	..	..	..
35.17	0.45	..	..	..	..
35.09	0.50	..	..	..	..
34.97	0.80	..	..	..	..
34.93	1.10	..	..	..	..
34.86	1.75	..	..	..	..
34.80	1.80	..	..	..	..
34.70	2.60	..	..	..	..
..	..	..	..	BT	..	
35.19	..	..	..	..	Z—1:200—0	
35.25	..	..	..	..	..
35.19	..	..	..	..	..
35.38	..	..	..	..	..
35.34	..	..	..	..	..
35.38	..	..	..	..	..
35.25	..	..	..	..	..
35.07	..	..	..	..	..
35.04	..	..	..	..	..
35.08	..	..	..	..	..
35.12	..	..	..	..	..
35.24	..	..	..	..	..
35.24	..	..	..	..	..
35.17	..	..	..	..	..
35.12	..	..	..	..	..
35.03	..	..	..	..	..
34.96	..	..	..	..	..
34.94	..	..	..	..	..
34.83	..	..	..	..	..
34.79	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1313	20-11-1962	0425—0435	10° 00'	75° 00'	..	..	..
1314	20-11-1962	0645—0835	10° 00'	75° 20'	1760	0	28.42
						10	28.40
						20	27.90
						30	27.66
						50	27.37
						75	26.06
						100	23.13
						150	17.54
						200	14.90
						300	12.34
						400	11.25
						500	10.68
						600	9.96
						700	9.29
800	8.57						
1000	7.35						
1200	5.86						
1500	4.30						
1315	20-11-1962	1100—1110	10° 00'	75° 40'	1114	..	..
1316	20-11-1962	1510—1525	10° 00'	75° 50'	50	0	28.70
						10	28.38
						20	28.02
						30	28.02
1317	27-11-1962	1325—1345	10° 02'	76° 09'	11	0	29.30
						10	28.72
1318	27-11-1962	1553—1610	10° 20'	76° 02'	21	0	28.78
						10	28.90
						20	28.63
1319	27-11-1962	1823—1858	10° 39' N	75° 54' E	17	0	28.35
						10	28.31
1320	27-11-1962	2115—2125	11° 02' N	75° 45' E	21	0	28.50
						10	28.65
						20	28.53
1321	27-11-1962	2350—2420	11° 22'		16	0	28.45
						10	28.66

S ^o / _∞	O ₂ ml/l.	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	BT	..	..
34.72	4.55	..	..	..	Z-4:50-0 }	
35.37	4.65	..	..	..	100-0	
35.41	4.50	..	..	..	200-0(2)	
35.44	4.25	..	..	..	..
35.48	4.05	..	..	..	..
35.42	3.15	..	..	..	..
35.30	1.90	..	..	..	..
35.18	0.50	..	..	..	..
35.17	0.30	..	..	..	..
35.28	0.55	..	..	..	..
35.17	0.50	..	..	..	..
35.25	0.40	..	..	..	..
35.26	0.40	..	..	..	..
35.25	0.40	..	..	..	..
35.21	0.50	..	..	..	..
35.12	0.40	..	..	..	..
35.06	1.25	..	..	..	..
34.99	1.00	..	..	..	..
..	..	..	..	BT	..	..
34.18	..	..	..	..	Z-1:45-0 }	
34.75	..	..	..	..	..
35.03	..	..	..	..	..
35.12	..	..	..	..	..
30.64	4.55	..	..	..	..
30.62	4.75	..	..	..	..
30.59	..	..	..	..	..
30.70	..	..	..	..	..
32.18	..	..	..	..	..
31.35	4.85	..	..	..	Z-1:0	
31.35	4.60	..	..	..	..
31.51	..	..	..	..	..
31.51	..	..	..	..	..
31.60	..	..	..	..	..
31.40	5.05	..	..	..	Z-1:0	
31.51	6.25	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1322	28-11-1962	0130—0140	11° 22' N	75° 26' E	42	..	..
1323	28-11-1962	0245—0300	11° 22' N	75° 16' E	49	0 10 20 30	28.13 28.57 28.70 28.38
1324	28-11-1962	0410—0420	11° 22'	75° 06'	58	..	..
1325	28-11-1962	0530—0620	10° 22' N	74° 56' E	70	0 10 20 30 50	28.03 28.83 29.70 29.76 29.80
1326	28-11-1962	0855—0900	11° 22' N	74° 46' E	134	..	..
1327	28-11-1962	1115—1245	11° 22' N	74° 26' E	1550	0 10 20 30 50 75 100 150 200 300 400 500 600 700 800 1000 1200 1500	28.22 28.63 28.49 28.49 28.43 27.65 23.67 18.12 15.10 12.60 11.39 10.64 10.05 9.63 8.92 7.25 6.10 4.24
1328	28-11-1962	1600—1615	10° 22'	74° 06'	2020	..	..
1329	28-11-1962	1835—2100	11° 22' N	73° 46' E	2050	0 10 20 30 50 75	28.79 28.86 28.90 28.68 28.32 27.08

S ^o / _∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	BT	..	
31.18	..	..	..	..	..
32.21	..	..	..	..	..
32.47	..	..	..	..	..
34.25	..	..	..	..	..
..	..	..	..	BT	..	
33.71	4.70	..	..	..	Z-1:0	
34.56	4.95	..	..	..	..
34.96	4.85	..	..	..	..
35.07	4.90	..	..	..	..
35.26	4.80	..	..	..	..
..	..	..	..	BT	..	
34.87	..	..	..	..	Z-1:200-0	
35.14	..	..	..	..	..
35.34	..	..	..	..	..
35.43	..	..	..	..	..
35.39	..	..	..	..	..
35.84	..	..	..	..	..
35.44	..	..	..	..	..
35.16	..	..	..	..	..
35.16	..	..	..	..	..
35.28	..	..	..	..	..
35.28	..	..	..	..	..
35.23	..	..	..	..	..
35.21	..	..	..	..	..
35.19	..	..	..	..	..
35.10	..	..	..	..	..
34.99	..	..	..	..	..
34.89	..	..	..	..	..
34.77	..	..	..	..	..
..	..	..	..	BT	..	
34.67	5.15	..	..	..	Z-7:30-0	
34.70	4.90	..	..	..	50-0	
35.10	4.95	..	..	..	75-0	
35.16	4.80	..	..	..	100-0	
35.37	4.80	..	..	..	200-0(2)	
35.85	3.50	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						100	23.38
						150	17.25
						200	14.84
						300	12.78
						400	11.64
						500	10.93
						600	10.30
						700	9.40
						800	8.95
						1000	7.70
						1200	6.65
						1500	4.90
						1800	3.51
						2000	2.68
1330	28-11-1962	2315—2321	11° 22'	73° 46'	1900	..	..
1331	29-11-1962	0140—0315	11° 21' N	73° 02' E	1590	0	28.50
						10	28.61
						20	28.31
						30	28.42
						50	27.68
						75	25.60
						100	22.78
						150	16.85
						200	14.59
						300	12.87
						400	11.70
						500	10.99
						600	10.35
						700	9.71
						800	9.21
						1000	8.00
						1200	6.33
						1500	5.05
1332	29-11-1962	0513—0525	11° 22' N	72° 45' E	1860	..	..
1333	29-11-1962	0748—0930	11° 22' N	72° 25' E	1700	0	28.48
						10	28.54
						20	28.56
						30	28.50
						50	27.38
						75	24.72

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.53	1.10	..	..	..	..
35.14	0.55	..	..	..	..
35.17	0.50	..	..	..	..
35.19	0.40	..	..	..	..
35.25	0.45	..	..	..	..
35.20	0.45	..	..	..	..
35.16	0.80	..	..	..	..
35.17	0.50	..	..	..	..
35.16	0.45	..	..	..	..
35.16	0.65	..	..	..	..
35.04	0.45	..	..	..	..
34.80	0.60	..	..	..	..
34.78	2.20	..	..	..	..
34.70	2.65	..	..	..	..
..	..	..	..	BT	..	
35.37	..	..	..	..	Z-1:200-0	
35.16	..	..	..	..	..
35.40	..	..	..	..	..
35.55	..	..	..	..	..
35.64	..	..	..	..	..
35.71	..	..	..	..	..
35.64	..	..	..	..	..
35.26	..	..	..	..	..
35.23	..	..	..	..	..
35.19	..	..	..	..	..
35.19	..	..	..	..	..
35.20	..	..	..	..	..
35.28	..	..	..	..	..
35.17	..	..	..	..	..
35.16	..	..	..	..	..
35.09	..	..	..	..	..
34.97	..	..	..	..	..
34.90	..	..	..	..	..
..	..	..	..	BT	..	
35.71	4.90	..	..	..	Z-6:0	
35.70	4.90	..	..	..	30-0	
35.78	4.85	..	..	..	50-0	
35.83	4.75	..	..	..	75-0	
36.09	4.25	..	..	..	200-0(2)	
35.93	2.80	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						100	22.50
						150	16.31
						200	13.99
						300	12.37
						400	11.55
						500	11.03
						600	10.31
						700	9.63
						800	8.90
						1000	8.06
1334	29-11-1962	1140—1150	11° 22' N	72° 05' E	1700	..	..
1335	29-11-1962	1405—1515	11° 22' N	71° 45' E	1520	0	28.51
						10	28.60
						20	28.52
						30	28.49
						50	27.62
						75	24.03
						100	20.09
						150	16.49
						200	14.29
						300	12.04
						400	11.59
						500	10.85
						600	10.42
						700	9.80
						800	9.15
						1000	7.84
						1200	6.63
						1500	4.93
1336	29-11-1962	1735—1744	11° 22' N	71° 24' E	1930	..	..
1337	29-11-1962	2002—2245	11° 22' N	71° 04' E	3260	0	28.30
						10	28.48
						20	28.40
						30	28.34
						50	28.21
						75	22.67
						100	18.75
						150	15.54
						200	14.21
						300	12.53

S ^o / _{oo}	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.82	1.20	..	..	..	..
35.28	0.50	..	..	..	..
35.24	0.70	..	..	..	..
35.23	1.20	..	..	..	..
35.25	0.55	..	..	..	..
35.19	0.45	..	..	..	..
35.19	0.65	..	..	..	..
35.16	0.75	..	..	..	..
35.11	0.65	..	..	..	..
35.14	1.00	..	..	..	..
..	..	..	..	BT	..	
35.70	..	..	..	..	Z-1:200-0	
35.73	..	..	..	..	..
35.79	..	..	..	..	..
35.99	..	..	..	..	..
35.97	..	..	..	..	..
35.79	..	..	..	..	..
35.57	..	..	..	..	..
35.35	..	..	..	..	..
35.26	..	..	..	..	..
35.23	..	..	..	..	..
35.20	..	..	..	..	..
35.31	..	..	..	..	..
35.28	..	..	..	..	..
35.26	..	..	..	..	..
35.19	..	..	..	..	..
35.09	..	..	..	..	..
35.01	..	..	..	..	..
34.92	..	..	..	..	..
..	..	..	..	BT	..	
35.81	5.05	..	..	..	Z-7:0	
35.77	4.75	..	..	..	30-0	
36.08	4.85	..	..	..	50-0	
36.38	4.85	..	..	..	75-0	
36.40	4.60	..	..	..	100-0	
35.81	0.95	..	..	..	200-0(2)	
35.43	0.30	..	..	..	..
35.34	0.55	..	..	..	..
35.28	0.45	..	..	..	..
35.28	0.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						400	11.41
						500	10.72
						600	10.26
						700	9.31
						800	8.82
						1000	8.06
						1200	6.86
						1500	5.06
						1800	3.43
						2000	2.75
						2500	1.93
						3000	1.75
1338	30-11-1962	0050—0100	11° 22' N	70° 44' E	3800	..	..
1339	30-11-1962	0310—0517	11° 22' N	70° 24' E	3840	0	28.13
						10	28.25
						20	28.41
						30	28.30
						50	26.59
						75	22.28
						100	19.30
						150	16.46
						200	14.27
						300	12.14
						400	11.33
						500	10.65
						600	10.28
						700	9.60
						800	9.02
						1000	7.71
						1200	6.50
						1500	5.00
						1800	3.59
						2000	2.86
						2500	2.03
						3000	1.75
						3500	1.69
1340	30-11-1962	0750—1110	11° 22' N	70° 00' E	4300	0	28.12
						10	28.25
						20	28.23
						30	28.19

S ^o / _{oo}	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.23	0.60	..	..	..	..
35.21	0.60	..	..	..	..
35.17	0.55	..	..	..	..
35.16	0.55	..	..	..	..
35.14	0.65	..	..	..	..
35.12	0.70	..	..	..	..
35.07	0.80	..	..	..	..
34.93	1.40	..	..	..	..
34.79	2.30	..	..	..	..
34.71	2.50	..	..	..	..
34.69	3.10	..	..	..	..
34.67	3.45	..	..	..	..
..	..	..	..	BT	..	
36.22	..	..	..	..	Z-1:200-0	
36.26	..	..	..	..	..
36.24	..	..	..	..	..
36.33	..	..	..	..	..
36.22	..	..	..	..	..
35.80	..	..	..	..	..
35.43	..	..	..	..	..
35.32	..	..	..	..	..
35.24	..	..	..	..	..
35.19	..	..	..	..	..
35.19	..	..	..	..	..
35.21	..	..	..	..	..
35.19	..	..	..	..	..
35.14	..	..	..	..	..
35.12	..	..	..	..	..
35.01	..	..	..	..	..
34.93	..	..	..	..	..
34.88	..	..	..	..	..
34.80	..	..	..	..	..
34.71	..	..	..	..	..
34.67	..	..	..	..	..
34.63	..	..	..	..	..
34.63	..	..	..	..	..
36.26	4.75	..	..	..	Z-7:0	
36.26	4.75	..	..	..	30-0	
36.20	4.90	..	..	..	50-0	
36.36	4.80	..	..	..	75-0	
36.40	4.75	..	..	..	100-0	
					200-0 (2)	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						50	28.00
						75	23.14
						100	19.43
						150	15.68
						200	13.57
						300	12.20
						400	11.40
						700	9.95
						800	10.88
						900	8.60
						1200	6.53
						1500	5.00
						1700	3.96
						2200	2.52
						2700	1.89
						3200	1.73
						3700	1.69
1341	30-11-1962	1310—1320	11° 40' N	70° 00' E	4040	..	..
1342	30-11-1962	1525—1730	11° 58' N	70° 00' E	4240	0	28.30
						10	28.21
						20	28.19
						30	28.16
						50	28.07
						75	21.87
						100	19.48
						150	16.28
						200	14.19
						300	12.37
						400	11.46
						500	11.10
						600	10.43
						700	9.88
						800	9.23
						1000	8.50
						1200	7.04
						1500	4.88
						1800	3.70
						2000	2.96
						2500	2.12
						3000	1.78
						3500	1.69

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.89	1.20	..	..	..	..
35.45	0.40	..	..	..	..
35.28	0.20	..	..	..	..
35.22	0.55	..	..	..	..
35.16	0.40	..	..	..	..
35.19	0.40	..	..	..	..
35.22	0.40	..	..	..	..
35.19	0.45	..	..	..	..
35.10	0.45	..	..	..	..
34.98	1.10	..	..	..	..
34.93	1.45	..	..	..	..
34.86	1.90	..	..	..	..
34.73	2.60	..	..	..	..
34.68	3.20	..	..	..	..
34.65	..	..	..	..	..
34.63	3.45	..	..	..	..
..	..	..	..	BT	..	
36.58	..	..	..	..	Z-1:200-0	
36.55	..	..	..	..	..
36.68	..	..	..	..	..
36.53	..	..	..	..	..
36.52	..	..	..	..	..
35.81	..	..	..	..	..
35.55	..	..	..	..	..
35.37	..	..	..	..	..
35.25	..	..	..	..	..
35.23	..	..	..	..	..
35.23	..	..	..	..	..
35.31	..	..	..	..	..
35.32	..	..	..	..	..
35.26	..	..	..	..	..
35.21	..	..	..	..	..
35.16	..	..	..	..	..
35.05	..	..	..	..	..
34.88	..	..	..	..	..
34.83	..	..	..	..	..
34.81	..	..	..	..	..
34.73	..	..	..	..	..
34.72	..	..	..	..	..
34.71	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1343	30-11-1962	1935—1942	12° 16' N	70° 00' E	4150	..	..
1344	30-11-1962	2150—0050	12° 34' N	70° 00' E	3250	0	28.10
						10	28.23
						20	28.22
						30	28.15
						50	28.20
						75	25.76
						100	21.91
						150	17.24
						200	14.50
						300	12.30
						400	11.49
						500	10.65
						600	10.27
						700	9.49
						800	9.11
1000	8.19						
1200	6.87						
1500	5.17						
1800	3.79						
2000	3.00						
2500	2.12						
3000	1.79						
1345	1-12-1962	0300—0500	12° 53' N	70° 00' E	3580	0	28.10
						10	28.22
						20	28.24
						30	28.25
						50	27.29
						75	22.97
						100	19.70
						150	15.58
						200	13.94
						300	11.90
						400	11.33
						500	10.81
						600	10.15
						700	9.66
						800	9.33
1000	8.12						
1200	7.05						
1500	5.12						
1800	3.75						

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	BT	..	
36.43	4.45	..	..	..	Z-7:0	
36.44	4.45	..	..	..	30-0	
36.42	4.75	..	..	..	50-0	
36.40	4.65	..	..	..	75-0	
36.44	4.95	..	..	..	100-0	
36.17	2.95	..	..	..	200-0(2)	
35.81	0.75	..	..	..	..
35.37	0.25	..	..	..	..
35.26	0.25	..	..	..	..
35.23	0.20	..	..	..	..
35.19	0.30	..	..	..	..
35.19	0.80	..	..	..	..
35.21	0.35	..	..	..	..
35.30	..	..	..	..	..
35.25	0.50	..	..	..	..
35.14	0.60	..	..	..	..
35.10	0.80	..	..	..	..
34.99	1.30	..	..	..	..
34.86	1.70	..	..	..	..
34.81	2.25	..	..	..	..
34.78	2.80	..	..	..	..
34.76	3.35	..	..	..	..
36.58	..	..	..	..	Z-1:200-0	
36.57	..	..	..	..	..
36.53	..	..	..	..	..
36.53	..	..	..	..	..
36.43	..	..	..	..	..
35.93	..	..	..	..	..
35.57	..	..	..	..	..
35.32	..	..	..	..	..
35.32	..	..	..	..	..
35.21	..	..	..	..	..
35.26	..	..	..	..	..
35.26	..	..	..	..	..
35.23	..	..	..	..	..
35.25	..	..	..	..	..
35.26	..	..	..	..	..
35.16	..	..	..	..	..
35.03	..	..	..	..	..
34.97	..	..	..	..	..
34.87	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						2000	3.04
						2500	2.13
						3000	1.78
						3500	1.69
1346	1-12-1962	0716—0922	12° 53'	70° 20'	2900	..	..
1347	1-12-1962	0955—1155	12° 47'	70° 47'	2370	0	28.12
						10	28.30
						20	28.28
						30	28.26
						50	27.60
						75	23.19
						100	20.31
						150	14.81
						200	13.68
						300	12.05
						400	11.48
						500	11.06
						600	10.64
						700	10.13
						800	9.39
						1000	8.13
						1200	7.01
						1500	5.32
						1800	3.80
						2000	2.90
1348	1-12-1962	1335—1345	12° 53' N	71° 00' E	1875	..	..
1349	1-12-1962	1555—1645	12° 53'	71° 20'	1650	0	28.63
						10	28.40
						20	28.35
						30	28.52
						50	27.87
						75	25.25
						100	20.66
						150	16.27
						200	13.93
						300	12.37
						400	11.63
						500	11.23
						600	10.68
						700	10.18

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.82	..	..	..	..	..
34.78	..	..	..	..	..
34.72	..	..	..	..	..
34.72	..	..	..	..	..
..	..	..	..	BT	..	
36.45	4.80	..	..	..	Z-7;-0	
36.45	4.85	..	..	..	30-0	
36.45	4.75	..	..	..	50-0	
36.47	4.90	..	..	..	75-0	
36.45	4.90	..	..	..	100-0	
35.99	1.50	..	..	..	200-0(2)	
35.62	0.50	..	..	..	..
35.31	0.40	..	..	..	..
35.28	0.30	..	..	..	..
35.21	0.40	..	..	..	..
35.21	0.35	..	..	..	..
35.32	0.40	..	..	..	..
35.35	0.30	..	..	..	..
35.31	0.35	..	..	..	..
35.28	0.40	..	..	..	..
35.19	0.60	..	..	..	..
35.11	0.75	..	..	..	..
34.94	1.15	..	..	..	..
34.81	0.60	..	..	..	..
34.72	2.55	..	..	..	..
..	..	..	..	BT	..	
35.78	..	..	..	..	Z-1:200-0	
35.74	..	..	..	..	..
35.73	..	..	..	..	..
36.43	..	..	..	..	..
36.47	..	..	..	..	..
36.17	..	..	..	..	..
35.61	..	..	..	..	..
35.30	..	..	..	..	..
35.27	..	..	..	..	..
35.25	..	..	..	..	..
35.29	..	..	..	..	..
35.31	..	..	..	..	..
35.31	..	..	..	..	..
35.32	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						800	9.52
						1000	7.95
						1200	6.69
						1500	5.08
1350	1-12-1962	1900—1905	12° 53'	71° 40'	1620	..	..
1351	1-12-1962	2115—2400	12° 53'	72° 00'	1440	0	28.50
						10	28.50
						20	28.51
						30	28.47
						50	28.17
						75	24.51
						100	21.26
						150	16.73
						200	15.02
						300	12.35
						400	11.56
						500	11.22
						600	10.75
						700	10.10
						800	9.49
						1000	8.15
						1200	6.95
1352	2-12-1962	0155—0210	12° 53'	72° 20'	800	..	..
1353	2-12-1962	0415—0600	12° 53'	72° 40'	1600	0	28.28
						10	28.47
						20	28.43
						30	27.43
						50	27.70
						75	25.55
						100	20.09
						150	16.97
						200	14.57
						300	13.01
						400	11.90
						500	11.50
						600	10.84
						700	10.30
						800	9.66
						1000	8.32

S ^o / _{oo}	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.30	..	..	..	..	..	..
35.22	..	..	..	..	..	..
35.07	..	..	..	..	..	..
34.89	..	..	..	..	..	..
..	..	..	..	BT	..	..
35.77	4.80	..	..	..	Z-7:-0	..
35.71	4.45	..	..	..	30-0	..
35.77	4.75	..	..	..	50-0	..
35.78	4.70	..	..	..	75-0	..
35.92	4.55	..	..	..	100-0	..
35.92	2.05	..	..	..	200-0(2)	..
35.59	0.65	..	..	..	..	..
35.19	0.40	..	..	..	..	..
35.25	0.35	..	..	..	..	..
35.23	0.45	..	..	..	..	..
35.24	0.35	..	..	..	..	..
35.25	0.45	..	..	..	..	..
35.26	0.30	..	..	..	..	..
35.26	0.35	..	..	..	..	..
35.30	0.30	..	..	..	..	..
35.28	0.50	..	..	..	..	..
35.21	0.65	..	..	..	..	..
..	..	..	..	BT	..	..
35.25	..	..	..	..	Z-1:200-0	..
35.77	..	..	..	..	..	..
35.81	..	..	..	..	..	..
35.84	..	..	..	..	..	..
36.06	..	..	..	..	..	..
35.94	..	..	..	..	..	..
35.62	..	..	..	..	..	..
35.14	..	..	..	..	..	..
35.17	..	..	..	..	..	..
35.32	..	..	..	..	..	..
35.26	..	..	..	..	..	..
35.35	..	..	..	..	..	..
35.32	..	..	..	..	..	..
35.28	..	..	..	..	..	..
35.21	..	..	..	..	..	..
35.21	..	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						1200	6.83
						1500	5.23
1354	2-12-1962	0820—0830	12° 54'	72° 01'	1880	..	..
1355	2-12-1962	1045—1255	12° 55'	73° 25'	1850	0	28.60
						10	28.83
						20	28.71
						30	28.69
						50	28.49
						75	27.92
						100	25.78
						150	18.71
						200	15.57
						300	12.90
						400	11.80
						500	11.20
						600	11.00
						700	10.19
						800	9.51
						1000	7.99
						1200	6.46
						1500	4.77
1356	2-12-1962	1505—1600	12° 56'	73° 46'	1700	..	..
1357	2-12-1962	1720—1800	12° 57'	74° 01'	185	0	28.23
						10	28.77
						20	26.60
						30	28.34
						50	27.60
						75	26.91
						100	26.32
						150	20.59
1358	2-12-1962	1915—1918	12° 57'	74° 11'	75	..	..
1359	2-12-1962	2030—2055	12° 58'	74° 20'	60	0	28.28
						10	28.54

S ^o / _{oo}	O ₂ ml./l/.	Wind	Sea	B.T.	Plankton	Remarks
35.13	..	..	..	..	..
34.99	..	..	..	..	..
..	..	..	..	BT	..	
35.21	4.60	..	..	..	Z-1:200-0	
35.32	4.60	..	..	..	..
35.32	4.65	..	..	..	..
35.41	4.50	..	..	..	..
35.61	4.65	..	..	..	..
35.81	4.40	..	..	..	..
35.99	2.85	..	..	..	..
35.23	0.35	..	..	..	..
35.21	0.35	..	..	..	..
35.26	0.20	..	..	..	..
35.32	0.30	..	..	..	..
35.35	0.20	..	..	..	..
35.34	..	..	..	..	..
35.30	0.35	..	..	..	..
35.21	0.35	..	..	..	..
35.09	0.55	..	..	..	..
34.99	0.90	..	..	..	..
34.90	1.45	..	..	..	..
..	..	..	..	BT	Z-6:0	
					30-0	
					50-0	
					75-0	
					100-0	
					200-0	
35.53	..	..	..	..	..
34.79	..	..	..	..	..
35.01	..	..	..	..	..
35.04	..	..	..	..	..
35.26	..	..	..	..	..
35.53	..	..	..	..	..
35.52	..	..	..	..	..
35.39	..	..	..	..	..
..	..	..	..	BT	..	
33.27	..	..	..	..	..
33.30	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth Temp. °C.	
			Lat.	Long.		Depth (m) (2)	Temp. °C.
						20	28.64
						30	28.59
						50	27.83
1360	2-12-1962	2200—2208	12° 58'	74° 30'	43	..	..
1361	2-12-1962	2320—0000	12° 59'	74° 40'	28	0	28.11
						10	28.56
						20	27.77
1362	12-12-1962	1906—1928	12° 52'	74° 43'	..	..	..
1363	12-12-1962	2040—2045	13° 01'	74° 41'	18	..	..
1364	12-12-1962	2150—2235	13° 11'	74° 37'	18	..	..
1365	12-12-1962	2347—2352	13° 21'	74° 35'	18	..	..
1366	13-12-1962	0100—	13° 31'	74° 32'	23	0	27.80
						10	28.12
						20	28.32
1367	13-12-1962	0225—0230	13° 40'	74° 29'	27	..	..
1368	13-12-1962	0335—	13° 50'	74° 26'	28	0	28.32
						10	..
						20	..
1369	13-12-1962	0530—0545	14° 00'	74° 23'	24	..	..
1370	13-12-1962	0745—	14° 00'	74° 13'	41	0	28.48
						10	28.31
						20	28.38
						30	28.65
1371	13-12-1962	0840—	14° 01'	74° 00'	50	0	27.90
						10	28.23
						20	28.74
						30	28.68
1372	13-12-1962	1125—1131	14° 00'	73° 40'	73	..	..
1373	13-12-1962	1438—	14° 00'	73° 20'	230	0	28.15
						10	28.16

S [°] / ₁₀₀	O ₂ ml./l/.	Wind	Sea	B.T.	Plankton	Remarks
33.74	..	..	..	..	..
34.57	..	..	..	..	..
35.01	..	..	..	..	..
..	..	..	..	BT	..	
30.78	4.50	..	..	..	Z-1:0	
31.58	4.10	..	..	..	..
31.73	3.40	..	..	..	..
..	..	..	..	BT	Z-1:10-0	
..	..	..	..	BT	..	
..	..	..	..	BT	Z-1:10-0	
..	..	..	..	BT	..	
31.67	..	..	..	..	Z-1:15-0	
31.58	..	..	..	..	..
31.78	..	..	..	..	..
..	..	..	..	BT	..	
31.82	5.20	..	..	..	Z-1:20-0	
31.85	4.60	..	..	..	..
32.12	5.20	..	..	..	..
..	..	..	..	BT	..	
31.74	..	..	..	..	Z-1:30-0	
31.67	..	..	..	..	..
31.78	..	..	..	..	..
33.18	..	..	..	..	..
31.65	..	..	..	..	Z-1:40-0	
31.60	..	..	..	..	..
33.80	..	..	..	..	..
34.16	..	..	..	BT	..	
..	..	..	..	BT	..	
34.49	5.05	..	..	..	Z-1:200-0	
34.60	4.80	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth Temp. °C.	
			Lat.	Long.		(m) (2)	
						20	28.15
						30	28.48
						50	28.26
						75	27.11
						100	24.70
						150	19.02
						200	16.12
1374	13-12-1962	1712—	14° 00'	73° 00'	1450	..	..
1375	13-12-1962	..	14° 00'	72° 40'	1200	0	28.00
						10	28.24
						20	28.39
						30	28.42
						50	27.90
						75	26.38
						100	26.08
						140	17.99
						200	15.69
						300	13.16
						400	11.87
						600	10.95
						800	9.56
						1000	8.11
1376	13-12-1962	..	14° 00'	72° 20'	1800	..	..
1377	14-12-1962	0145—	14° 00'	72° 00'	1600	0	27.82
						10	28.16
						20	28.44
						30	28.30
						50	28.30
						75	28.30
						100	26.86
						150	16.77
						200	15.41
						300	13.09
						400	12.20
						500	11.50
						600	11.00
						700	10.33
						800	9.69
						1000	8.32

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.74	4.95	..	..	..	..
35.00	5.10	..	..	..	..
35.45	4.90	..	..	..	..
35.65	3.55	..	..	..	..
35.69	2.30	..	..	..	..
35.28	0.50	..	..	..	..
35.18	0.25	..	..	..	..
..	..	..	..	BT	..	
35.59	..	..	..	..	Z-1:200-0	
35.56	..	..	..	..	..
35.55	..	..	..	..	..
35.62	..	..	..	..	..
35.75	..	..	..	..	..
36.15	..	..	..	..	..
36.01	..	..	..	..	..
35.19	..	..	..	..	..
35.12	..	..	..	..	..
35.30	..	..	..	..	..
35.41	..	..	..	..	..
35.44	..	..	..	..	..
35.17	..	..	..	..	..
35.01	..	..	..	..	..
..	..	..	..	B.T.	..	
35.97	4.95	..	..	..	Z-1:200-0	
35.95	4.65	..	..	..	..
36.06	5.20	..	..	..	..
36.06	5.25	..	..	..	..
36.08	4.95	..	..	..	..
36.08	5.15	..	..	..	..
36.15	3.95	..	..	..	..
35.03	0.40	..	..	..	..
34.99	0.70	..	..	..	..
35.12	0.30	..	..	..	..
35.13	0.40	..	..	..	..
35.12	0.30	..	..	..	..
35.11	0.55	..	..	..	..
35.23	0.40	..	..	..	..
35.26	0.30	..	..	..	..
35.21	0.45	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						1200	6.90
						1500	4.93
1378	14-12-1962	0615—0625	14° 00'	71° 40'	1840	..	..
1379	14-12-1962	0840—1010	14° 01'	71° 20'	1950	0	27.78
						10	28.11
						20	28.35
						30	28.45
						50	27.73
						75	24.56
						100	21.44
						150	17.17
						200	15.33
						300	12.84
						400	11.98
						500	11.31
						600	10.90
						700	10.28
						800	9.71
						1000	8.33
						1200	7.17
						1500	5.35
						1800	3.69
1380	14-12-1962	1230—1245	14° 00'	71° 00'	2640	..	..
1381	14-12-1962	1505—1740	14° 00' N	70° 40' E	3040	0	27.98
						10	28.14
						20	28.12
						30	28.10
						50	28.00
						75	22.85
						100	19.95
						150	16.84
						200	14.30
						300	12.59
						400	11.71
						500	11.40
						600	11.04
						700	10.28
						800	9.76
						1000	8.42
						1200	7.30

S ^o / _{oo}	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.90	0.70	..	..	..	..
34.79	1.50	..	..	..	..
..	..	..	..	B.T.	..	
35.41	..	..	..	..	Z-1:200-0	
35.57	..	..	..	..	..
35.82	..	..	..	..	..
36.11	..	..	..	..	..
36.22	..	..	..	..	..
36.00	..	..	..	..	..
35.59	..	..	..	..	..
35.21	..	..	..	..	..
35.21	..	..	..	..	..
35.07	..	..	..	..	..
35.12	..	..	..	..	..
35.17	..	..	..	..	..
35.19	..	..	..	..	..
35.16	..	..	..	..	..
35.17	..	..	..	..	..
35.10	..	..	..	..	..
34.97	..	..	..	..	..
34.80	..	..	..	..	..
34.65	..	..	..	..	..
..	..	..	..	B.T.	..	
34.58	4.90	..	..	..	Z-1:200-0	
34.52	5.00	..	..	..	..
35.95	5.00	..	..	..	..
36.47	5.05	..	..	..	..
36.51	5.05	..	..	..	..
35.61	..	..	..	..	..
35.60	0.70	..	..	..	..
35.39	0.45	..	..	..	..
35.35	0.75	..	..	..	..
35.30	0.50	..	..	..	..
35.38	1.00	..	..	..	..
35.41	0.45	..	..	..	..
35.35	0.35	..	..	..	..
35.28	0.40	..	..	..	..
35.24	0.45	..	..	..	..
35.10	0.55	..	..	..	..
34.96	0.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m)	Depth (m) (1)	Temp. °C.
			Lat.	Long.			
						1500	5.46
						1800	3.58
						2000	2.95
						2500	..
1382	14-12-1962	1945—2000	14° 00' N	70° 20' E	3240	..	..
1383	14-12-1962	2230—0025	14° 00' N	70° 00' E	3900	0	27.59
						10	27.79
						20	27.82
						30	27.87
						50	25.46
						75	22.31
						100	19.96
						150	16.76
						200	14.74
						300	13.27
						400	12.17
						500	11.77
						600	10.95
						700	9.82
						800	9.44
						1000	8.34
						1200	6.91
						1500	5.20
						1800	3.58
						2000	2.93
						2500	2.13
						3000	1.76
						3500	1.67
1384	15-12-1962	0158—0210	14° 13'	70° 00'	3880	..	..
1385	15-12-1962	0335—0640	14° 25' N	70° 00' E	3500	0	25.72
						10	27.84
						20	27.84
						30	27.84
						50	27.86
						75	25.74
						100	23.11
						150	18.39
						200	15.49
						300	13.18

S ^o / _{oo}	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.85	1.15	..	..	..	..
34.81	1.85	..	..	..	..
34.78	2.45	..	..	..	..
..	2.95	..	..	..	..
..	..	..	..	B.T.	..	
36.24	..	..	..	..	Z-1:200-0	
36.27	..	..	..	..	..
36.22	..	..	..	..	..
36.38	..	..	..	..	..
36.02	..	..	..	..	..
35.77	..	..	..	..	..
35.64	..	..	..	..	..
35.55	..	..	..	..	..
35.50	..	..	..	..	..
35.44	..	..	..	..	..
35.43	..	..	..	..	..
35.45	..	..	..	..	..
35.46	..	..	..	..	..
35.55	..	..	..	..	..
35.50	..	..	..	..	..
35.32	..	..	..	..	..
35.16	..	..	..	..	..
35.00	..	..	..	..	..
34.88	..	..	..	..	..
34.83	..	..	..	..	..
34.79	..	..	..	..	..
34.65	..	..	..	..	..
..	
..	..	..	..	B.T.	..	
36.01	5.40	NNE	..	..	Z-1:200-0	
		1-a	..	..	..
35.98	4.95	..	..	..	..
36.01	4.90	..	..	..	..
36.00	4.80	..	..	..	..
35.97	4.70	..	..	..	..
35.97	2.55	..	..	..	..
36.04	1.80	..	..	..	..
35.61	0.60	..	..	..	..
35.47	0.80	..	..	..	..
35.37	0.30	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						400	12.32
						500	11.60
						600	10.24
						700	9.80
						800	9.24
						1000	8.71
						1200	7.33
						1500	5.41
						1800	3.73
						2000	2.97
						2500	2.07
						3000	1.87
1386	15-12-1962	0810—0818	14° 36' N	70° 00' E	3240	0	27.30
1387	15-12-1962	0940—1265	14° 49' N	70° 00' E	3340	0	27.38
						10	27.76
						20	27.77
						30	27.74
						50	24.22
						75	21.00
						100	19.07
						150	16.22
						200	14.68
						300	13.80
						400	12.24
						500	11.75
						600	11.10
						700	10.53
						800	9.88
						1000	8.36
						1200	7.14
						1500	5.27
						1800	3.64
						2000	2.96
						2500	2.12
						3000	1.80
1388	15-12-1962	1510—1525	14° 49' N	70° 20' E	3300	0	27.20

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.88	0.85	..	..	..	..
35.71	0.55	..	..	..	..
35.39	0.70	..	..	..	..
35.33	0.40	..	..	..	..
35.29	0.40	..	..	..	..
35.26	0.50	..	..	..	..
35.15	1.00	..	..	..	..
34.97	1.15	..	..	..	..
34.87	1.85	..	..	..	..
34.81	2.15	..	..	..	..
34.73	2.75	..	..	..	..
34.63	3.15	..	..	..	..
36.01	..	NNE 1-a	..	B.T. (226)	..	
35.99	..	NNE 1-a	..	..	Z-1:200-0	
35.87	..	..	..	..	..
35.86	..	..	..	..	..
35.88	..	..	..	..	..
35.63	..	..	..	..	..
35.51	..	..	..	..	..
35.46	..	..	..	..	..
35.42	..	..	..	..	..
35.43	..	..	..	..	..
35.30	..	..	..	..	..
35.28	..	..	..	..	..
35.37	..	..	..	..	..
35.44	..	..	..	..	..
35.44	..	..	..	..	..
35.41	..	..	..	..	..
35.28	..	..	..	..	..
35.16	..	..	..	..	..
35.00	..	..	..	..	..
34.80	..	..	..	..	..
34.79	..	..	..	..	..
34.72	..	..	..	..	..
34.70	..	..	..	..	..
36.11	..	NNE 1-a	..	B.T. (225)	..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1389	15-12-1962	1742—2020	14° 49' N	70° 40' E	3000	0	27.66
						10	27.99
						20	27.95
						30	27.98
						50	27.55
						75	23.11
						100	19.51
						150	16.49
						200	14.37
						300	13.72
						400	12.15
						500	11.35
						600	10.73
						700	10.15
						800	9.54
1390	15-12-1962	2235—2245	14° 49' N	71° 00' E	2560	0	27.70
						10	28.01
						20	28.00
						30	28.03
						50	28.02
						75	24.26
						100	20.96
						150	17.39
						200	15.80
						300	13.65
						400	12.66
						500	11.48
						600	11.16
						700	10.45
						800	9.52
1391	16-12-1962	0115—0255	14° 49' N	71° 20' E	2080	0	27.86
						10	28.01
						20	28.00
						30	28.03
						50	28.02
						75	24.26
						100	20.96
						150	17.39
						200	15.80
						300	13.65
						400	12.66
						500	11.48
						600	11.16
						700	10.45
						800	9.52
1000	8.45						
1200	7.02						
1500	5.06						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
36.20	4.80	NNE	..	..	Z-1:200-0	
		I-a				
36.19	4.80	..	..	..	..
36.20	4.95	..	..	..	..
36.28	5.15	..	..	..	..
36.24	4.65	..	..	..	..
35.94	1.30	..	..	..	..
35.38	0.55	..	..	..	..
35.34	0.35	..	..	..	..
35.35	0.50	..	..	..	..
35.35	0.40	..	..	..	..
35.41	0.25	..	..	..	..
35.41	0.30	..	..	..	..
35.39	0.40	..	..	..	..
35.34	0.30	..	..	..	..
35.28	0.45	..	..	..	..
35.23	0.60	..	..	..	..
35.16	0.75	..	..	..	..
34.96	1.20	..	..	..	..
34.86	1.70	..	..	..	..
34.82	..	..	..	..	..
34.76	1.55	..	..	..	..
36.49	..	NE	..	B.T.	..	
		I-a		225		
36.49	..	calm	..	..	Z-1:200-0	
36.49	..	..	..	..	..
36.52	..	..	..	..	..
36.45	..	..	..	..	..
36.45	..	..	..	..	..
35.94	..	..	..	..	..
35.43	..	..	..	..	..
35.38	..	..	..	..	..
35.33	..	..	..	..	..
35.41	..	..	..	..	..
35.42	..	..	..	..	..
35.46	..	..	..	..	..
35.44	..	..	..	..	..
35.43	..	..	..	..	..
35.39	..	..	..	..	..
35.30	..	..	..	..	..
35.16	..	..	..	..	..
34.96	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						1800	3.72
						2000	3.10
1392	16-12-1962	0522—0535	14° 49' N	71° 40' E	1920	0	27.70
1393	16-12-1962	0800—1030	14° 49' N	72° 00' E	2020	0	27.89
						10	28.21
						20	28.19
						30	28.22
						50	28.16
						75	25.69
						100	25.50
						150	24.76
						200	17.80
						300	15.21
						400	13.30
						500	11.80
						600	10.99
						700	10.25
						800	9.50
						1000	8.22
						1200	6.92
						1500	5.05
						1800	3.48
						2000	2.84
1394	16-12-1962		14° 49' N	72° 20' E	2000	0	27.90
1395	16-12-1962	1518—1615	14° 49' N	72° 40' E	770	0	28.08
						10	28.29
						20	28.23
						30	28.28
						50	28.54
						75	28.24
						100	27.96
						150	23.18
						200	14.52
						300	13.03
						400	12.21
						500	11.57
						600	11.32
						700	10.44

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.85	..	..	..	..	..
34.82	..	..	..	..	..
35.97	..	..	..	B.T. 225	..	
35.99	5.05	..	..	..	Z--1:200--0	
35.94	4.90	..	..	..	..
35.90	5.15	..	..	..	..
35.93	4.95	..	..	..	..
35.97	5.10	..	..	..	..
35.93	2.90	..	..	..	..
35.99	..	..	..	..	..
35.61	1.70	..	..	..	..
35.34	0.55	..	..	..	..
35.36	1.55	..	..	..	..
35.43	0.40	..	..	..	..
35.44	0.45	..	..	..	..
35.43	0.55	..	..	..	..
35.43	0.30	..	..	..	..
35.44	0.25	..	..	..	..
35.38	0.45	..	..	..	..
35.24	0.70	..	..	..	..
35.10	1.25	..	..	..	..
34.88	1.85	..	..	..	..
34.74	..	..	..	..	..
33.70	..	..	..	BT 225	..	
35.21	..	NNE	..	..	Z--1:200--0	
35.32	..	l-a	..	..	..
35.25	..	..	..	..	..
35.26	..	..	..	..	..
35.52	..	..	..	..	..
35.69	..	..	..	..	..
35.95	..	..	..	..	..
35.54	..	..	..	..	..
35.35	..	..	..	..	..
35.44	..	..	..	..	..
35.44	..	..	..	..	..
35.43	..	..	..	..	..
35.43	..	..	..	..	..
35.38	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1396	16-12-1962	1835—1845	14° 49' N	73° 00' E	225	0	27.50
1397	16-12-1962	2110—2210	14° 49' N	73° 20' E	83	0	27.65
						10	28.82
						20	28.27
						30	28.18
						50	28.29
						75	27.40
1398	16-12-1962	..	..	..	62	0	27.40
1399	17-12-1962	2315—2325	14° 49' N	73° 30' E	48	0	27.79
						10	28.20
						20	28.33
						30	28.50
1400	17-12-1962	0308—0340	14° 49' N	74° 00' E	19	0	27.31
						10	27.73
1401	..	..	..	..	..	..	..
1402	..	..	..	..	..	..	..
1403	..	..	..	..	..	..	..
1404	..	..	..	..	..	..	..
1405	6-1-1963	1650—1730	16° 00' N	73° 25' E	22	0	27.10
						10	27.17
						20	27.08
1406	6-1-1963	1840—1845	16° 00' N	73° 15' E	46	0	26.80
1407	6-1-1963	1954—2045	16° 00' N	73° 05' E	70	0	27.30
						10	26.98
						20	26.77
						30	28.46
						50	28.10

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.69	..	NNE	..	B.T. 200	..	
32.94	5.10	NNE	..	..	..
34.29	5.30	..	..	..	..
34.85	5.20	..	..	..	..
34.92	5.35	..	..	..	..
35.31	4.70	..	..	..	..
35.59	3.85	..	..	..	..
33.34	..	..	..	B.T. 60	..	
31.92	..	ENE	..	..	Z-1:40-0	
31.89	..	..	..	..	..
32.38	..	..	..	..	..
32.70	..	..	..	..	..
32.10	4.80	..	..	..	Z-1:14-0	
32.43	4.65	..	..	..	..
..	..	..	..	..	Z-1:0	} Biological collections.
..	..	..	..	..	Z-1:0	
..	..	..	..	..	Z-1:0	
..	..	..	..	..	Z-1:0	
32.65	5.00	..	..	..	Z-1:0	
32.67	5.20	..	..	..	..
32.63	5.05	..	..	..	..
32.72	..	E-2	..	B.T. 40m	..	
32.86	..	NE	..	..	Z-1:65-0	
32.88	..	2	..	..	..
33.17	..	..	..	..	..
34.92	..	..	..	..	..
35.21	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1408	6-1-1963	2155—2200	16° 00' N	72° 52' E	80	0	26.00
1409	6-1-1963	2310—0020	..	...	125	0	25.90
						10	27.07
						20	27.06
						30	27.35
						50	27.58
						75	27.63
						100	26.52
1410	7-1-1963	0235—0245	15° 59' N	72° 24' E	844	0	26.50
1411	7-1-1963	0500—0730	15° 58' N	72° 35' E	1720	0	26.80
						10	27.47
						20	27.43
						30	27.43
						50	27.62
						75	26.32
						100	24.80
						150	20.35
						200	17.99
						300	13.46
						400	12.30
						500	11.79
						600	11.18
						700	10.67
						800	9.65
						1000	8.09
						1200	6.95
						1500	5.09
1412	7-1-1963	0955—1002	15° 56' N	71° 45' E	2040	0	27.30
1413	7-1-1963	1255—1455	16° 02' N	71° 22' E	2200	0	27.50
						10	27.60
						20	27.54
						30	27.53
						50	27.89
						75	25.70
						100	24.91
						150	21.34

S°/..	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
32.96	NW 1	..	..	B.T. 75m	..	
33.08	4.80	NW-3	..	..	Z-1:100-0	
33.06	5.10	..	..	..	..
35.03	4.75	..	..	..	..
34.99	4.60	..	..	..	..
35.25	5.00	..	..	..	..
35.61	4.60	..	..	..	..
..	2.60	..	..	..	..
34.60	..	NNW 2	..	B.T. 200m	..	
35.44	..	N	..	..	..
35.41	..	3	..	..	Z-1:200-0	
35.37	..	..	..	..	..
35.41	..	..	..	..	..
35.81	..	..	..	..	..
35.59	..	..	..	..	..
35.55	..	..	..	..	..
35.35	..	..	..	..	..
35.28	..	..	..	..	..
35.46	..	..	..	..	..
35.44	..	..	..	..	..
35.44	..	..	..	..	..
35.46	..	..	..	..	..
35.48	..	..	..	..	..
35.37	..	..	..	..	..
35.23	..	..	..	..	..
35.15	..	..	..	..	..
35.01	..	..	..	..	..
35.39	..	N 3	..	B.T. 200m	..	
35.18	4.60	N	..	..	Z-1:200-0	
35.14	4.90	1	..	..	..
35.16	4.80	..	..	..	..
35.17	5.55	..	..	..	..
35.93	5.25	..	..	..	..
35.48	1.60	..	..	..	..
35.42	1.70	..	..	..	..
35.38	0.85	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						200	18.64
						300	13.60
						400	12.57
						500	11.27
						600	10.72
						700	10.11
						800	9.45
						1000	7.80
						1200	6.41
						1500	4.60
						1800	3.04
						2000	2.00
1414	7-1-1963	1710—1717	16° 00' N	71° 01' E	2590	0	27.70
1415	7-1-1963	1935—2225	16° 00' N	70° 40' E	3350	0	26.40
						10	27.72
						20	27.92
						30	27.96
						50	27.95
						75	27.95
						100	..
						150	22.92
						200	18.30
						300	13.98
						400	12.60
						500	11.97
						600	11.37
						700	10.71
						800	10.04
						1000	8.71
						1200	7.29
						1500	5.23
						1800	3.44
						2000	2.88
						2500	1.98
						3000	1.74
1416	8-1-1963	0045—0050	16° 00' N	70° 20' E	3600.	0	27.40

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.07	..	..	..	..	..
35.35	0.60	..	..	..	..
35.35	0.15	..	..	..	..
35.35	0.30	..	..	..	..
35.34	0.55	..	..	..	..
35.32	0.40	..	..	..	..
35.32	0.20	..	..	..	..
35.32	0.30	..	..	..	..
35.20	0.65	..	..	..	..
35.03	0.30	..	..	..	..
34.97	2.05	..	..	..	..
34.79	2.20	..	..	..	..
35.34	..	calm	..	BT 200m	..	
35.75	..	$\frac{N}{I}$	..	..	Z-1:200-0	
35.82	..	..	..	..	..
36.10	..	..	..	..	..
36.31	..	..	..	..	..
36.34	..	..	..	..	..
36.35	..	..	..	..	..
..	
35.82	..	..	..	..	..
35.37	..	..	..	..	..
35.21	..	..	..	..	..
35.28	..	..	..	..	..
35.37	..	..	..	..	..
35.41	..	..	..	..	..
35.43	..	..	..	..	..
35.31	..	..	..	..	..
35.26	..	..	..	..	..
35.10	..	..	..	..	..
34.91	..	..	..	..	..
34.76	..	..	..	..	..
34.69	..	..	..	..	..
34.55	..	..	..	..	..
34.50	..	..	..	..	..
36.35	..	..	$\frac{N}{I}$	BT 200m	..	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1417	8-1-1963	0305—0640	16° 00' N	69° 59' E	3600	0	27.12
						10	27.51
						20	27.53
						30	27.52
						50	27.50
						75	25.00
						100	22.72
						150	18.25
						200	15.27
						300	13.23
						400	12.68
						500	12.03
						600	11.14
						700	9.98
						800	9.93
1000	8.50						
1200	7.48						
1500	5.50						
1800	3.73						
2000	3.00						
2500	1.95						
3000	1.85						
3500	1.77						
1418	8-1-1963	0855—0900	16° 20' N	69° 53' E	3560	0	26.80
1419	8-1-1963	1045—1315	16° 43' N	69° 48' E	3500	0	26.50
						10	27.62
						20	27.47
						30	27.54
						50	27.84
						75	25.48
						100	22.83
						150	21.91
						200	21.25
						300	14.20
400	13.86						
500	12.10						
600	11.27						
700	10.53						
800	9.80						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
36.37	4.60	..	..	N1	Z-1:200-0	
36.26	4.80	..	..	..	..
36.35	4.90	..	..	..	..
36.36	4.75	..	..	..	..
36.38	4.60	..	..	..	..
36.18	3.40	..	..	..	..
35.86	1.00	..	..	..	..
35.55	0.25	..	..	..	..
35.34	0.35	..	..	..	..
35.47	0.65	..	..	..	..
35.51	2.40	..	..	..	..
35.55	0.55	..	..	..	..
35.52	0.30	..	..	..	..
35.40	0.20	..	..	..	..
35.41	0.30	..	..	..	..
35.38	0.15	..	..	..	..
35.33	0.15	..	..	..	..
35.17	0.15	..	..	..	..
35.03	0.20	..	..	..	..
34.96	0.40	..	..	..	..
34.84	2.00	..	..	..	..
34.76	0.30	..	..	..	..
34.69	2.70	..	..	..	..
35.18	..	<u>NNW</u>	..	BT	..	
		1		200m		
35.43	..	<u>N</u>	..	..	Z-1:200-0	
		1				
35.44	..	..	..	..	..
35.61	..	..	..	..	..
35.61	..	..	..	..	..
35.70	..	..	..	..	..
35.86	..	..	..	..	..
35.50	..	..	..	..	..
35.39	..	..	..	..	..
35.21	..	..	..	..	..
35.30	..	..	..	..	..
35.42	..	..	..	..	..
35.45	..	..	..	..	..
35.44	..	..	..	..	..
35.46	..	..	..	..	..
35.43	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						1000	8.26
						1200	7.32
						1500	5.51
						1800	4.06
						2000	3.35
						2500	2.60
						3000	2.27
1420	8-1-1963	1535—1540	17° 00' N	70° 00' E	3460	0	27.10
1421	8-1-1963	1820—2025	17° 00' N	70° 20' E	3270	0	26.20
						10	27.21
						20	27.21
						30	27.14
						50	24.49
						75	23.42
						100	22.80
						150	22.42
						200	20.33
						300	15.05
						400	13.37
						500	..
						600	11.36
						700	10.85
						800	10.13
						1000	8.83
						1200	7.19
						1500	6.00
						1800	4.50
						2000	3.66
						2500	2.78
						3000	2.00
1422	8-1-1963	2235—2240	17° 00' N	70° 40' E	3000	0	27.35
1423	9-1-1963	0130—0330	17° 00' N	71° 00' E	2520	0	27.00
						10	27.30
						20	27.29
						30	27.29

S‰	O ₂ mf./l.	Wind	Sea	B.T.	Plankton	Remarks
35.34	..	..	..	..	..	..
35.18	..	..	..	..	..	..
35.00	..	..	..	..	..	..
34.88	..	..	..	..	..	..
34.81	..	..	..	..	..	..
34.76	..	..	..	..	..	..
34.73	..	..	..	..	..	..
34.80	..	<u>N</u> 1.0	..	BT 200m	..	..
35.52	4.30	<u>N</u> 2.0	..	..	Z-1:200-0	..
35.53	4.65	..	..	..	..	..
35.77	4.50	..	..	..	..	..
35.67	4.80	..	..	..	..	..
35.48	2.10	..	..	..	..	..
35.38	1.45	..	..	..	..	..
35.33	2.40	..	..	..	..	..
35.23	1.10	..	..	..	..	..
35.07	0.95	..	..	..	..	..
35.17	0.45	..	..	..	..	..
35.43	0.40	..	..	..	..	..
35.43	0.30	..	..	..	..	..
35.38	0.25	..	..	..	..	..
35.34	0.25	..	..	..	..	..
35.30	0.45	..	..	..	..	..
35.25	0.30	..	..	..	..	..
35.22	0.70	..	..	..	..	..
35.14	0.40	..	..	..	..	..
35.07	0.60	..	..	..	..	..
35.01	0.55	..	..	..	..	..
34.97	2.75	..	..	..	..	..
35.00	..	..	..	..	..	..
35.32	..	<u>N</u> 2	..	BT 200m	..	..
35.60	..	<u>N</u> 1	..	..	Z-1:200-0	..
35.55	..	..	..	..	..	..
35.60	..	..	..	..	..	..
35.57	..	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						50	27.94
						75	25.90
						100	24.79
						150	19.26
						200	16.96
						300	14.08
						400	12.40
						500	11.68
						600	11.11
						700	10.47
						800	10.10
						1000	8.68
						1200	7.04
						1500	4.96
						1800	2.92
						2000	2.65
						2500	2.02
1424	9-1-1963	0540—0545	16° 55' N	71° 21' E	1740	0	26.80
1425	9-1-1963	0814—0945	16° 53' N	71° 40' E	1200	0	27.20
						10	27.41
						20	27.40
						30	27.59
						50	27.63
						75	27.85
						100	26.22
						150	21.27
						200	14.82
						300	13.50
						400	12.53
						500	12.25
						600	11.75
						700	10.65
						800	10.06
1426	9-1-1963	1117—1125	16° 52' N	72° 00' E	250	0	26.20
1427	9-1-1963	1300—1320	16° 55' N	72° 10' E	92	0	27.71
						10	26.73
						20	28.12
						30	27.66

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
36.16	..	..	..	..	..
36.15	..	..	..	..	..
35.81	..	..	..	..	..
35.28	..	..	..	..	..
35.16	..	..	..	..	..
35.27	..	..	..	..	..
35.37	..	..	..	..	..
35.36	..	..	..	..	..
35.34	..	..	..	..	..
35.30	..	..	..	..	..
35.37	..	..	..	..	..
35.23	..	..	..	..	..
35.09	..	..	..	..	..
34.86	..	..	..	..	..
34.75	..	..	..	..	..
34.70	..	..	..	..	..
34.61	..	..	..	..	..
35.33	..	..	..	BT 200m	..	
35.30	4.75	..	..	..	Z—1:200—0	
35.23	4.40	..	..	..	..
35.25	4.65	..	..	..	..
35.58	4.70	..	..	..	..
35.43	4.70	..	..	..	..
35.70	4.50	..	..	..	..
35.81	2.60	..	..	..	..
35.39	0.75	..	..	..	..
35.18	0.55	..	..	..	..
35.34	0.30	..	..	..	..
35.43	0.25	..	..	..	..
35.45	..	..	..	..	..
35.44	0.15	..	..	..	..
35.26	0.45	..	..	..	..
35.24	0.55	..	..	..	..
35.03	..	..	..	BT 200m	..	
33.17	..	..	..	..	Z—1:85—0	
33.21	..	..	..	..	..
35.12	..	..	..	..	..
35.10	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						50	27.00
						75	26.34
1428	9-1-1963	1450—1455	17° 00' N	72° 24' E	82	0	27.20
1429	9-1-1963	1600—1620	17° 00' N	72° 39' E	71	0	27.39
						10	26.83
						20	26.83
						30	26.95
						50	26.31
						65	27.37
1430	9-1-1963	1730—1735	16° 56' N	72° 53' E	63	0	27.15
1431	9-1-1963	1845—1856	16° 56' N	73° 01' E	51	0	26.90
						10	26.95
						20	27.20
						30	28.06
						50	27.93
1432	9-1-1963	1955—2000	16° 54' N	73° 09' E	33	0	26.80
1433	9-1-1963	2140—2145	16° 40' N	73° 12' E	32	0	26.80
1434	10-1-1963	2400—0005	16° 20' N	73° 18' E	32	0	26.90
1435	10-1-1963	0220—0240	15° 56' N	73° 22' E	30	0	26.99
						10	27.03
						20	26.96
						28	27.91
1436	10-1-1963	0345—0400	15° 47' N	73° 25' E	33	0	26.70
						10	27.05
						20	27.37
						30	28.00
1437	10-1-1963	0515—0530	15° 37' N	73° 31' E	34	0	

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.50	..	..	..	..	..
35.66	..	..	..	..	..
33.06	..	..	..	BT 80m	..	
33.06	4.95	..	..	..	Z-1:65-0	
33.04	4.90	..	..	..	..
33.08	4.80	..	..	..	..
33.06	4.85	..	..	..	..
35.44	4.05	..	..	..	..
36.00	2.95	..	..	..	..
34.49	..	..	..	BT 60m	..	
32.70	..	..	..	..	Z-1:45-0	
32.70	..	..	..	..	..
32.68	..	..	..	..	..
32.68	..	..	..	..	..
34.40	..	..	..	..	..
32.65	..	..	..	BT 30m	..	
32.74	..	..	..	BT 30m	..	
32.70	..	..	..	BT 30m	..	
32.55	..	..	..	..	Z-1:25-0	
32.65	..	..	..	..	..
32.56	..	..	..	..	..
33.60	..	..	..	..	..
32.70	4.55	$\frac{N}{10}$	..	..	Z-1:25-0	
32.70	4.70	..	..	..	..
33.08	4.80	..	..	..	..
34.34	3.90	..	..	..	..
34.67	..	..	..	BT 30m	Z-1:30-0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1438	10-1-1963	0600—0645	15° 30' N	73° 36' E	31	0	26.60
						10	27.11
						20	27.08
						30	27.95
1439	10-1-1963	1520—1525	15° 04' N	73° 53' E	20	0	27.50
1440	10-1-1963	1635—1655	14° 55' N	73° 58' E	16	0	..
						10	26.57
1441	20-2-1963	0700—0710	09° 18' N	79° 08' E	8	0	26.15
						5	26.29
1442	20-2-1963	0740—0805	09° 22' N	79° 05' E	8	0	26.20
						5	26.39
1443	20-2-1963	0833—0838	09° 26' N	79° 02' E	8	0	27.10
						5	26.51
1444	20-2-1963	0915—0930	09° 29' N	78° 59' E	9	0	26.30
						5	26.46
1445	20-2-1963	1000—1010	09° 29' N	79° 03' E	11	0	26.70
						5	26.48
						10	26.50
1446	20-2-1963	1045—1100	09° 26' N	79° 08' E	9	0	26.30
						5	26.38
1447	20-2-1963	1135—1630	09° 24' N	79° 13' E	11	0	26.45
						5	26.50
						10	26.58
1448	20-2-1963	1710—1730	09° 23' N	79° 17' E	13	0	26.40
						5	26.50
						10	26.45
1449	20-2-1963	1808—1818	09° 22' N	79° 23' E	13	0	26.60
						5	26.60
						10	26.58

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
32.68	..	..	..	..	Z-1:25-0	
33.04	..	..	..	..	..
32.60	..	..	..	..	..
33.88	..	..	..	..	..
32.51	..	..	..	BT 19m	..	
32.47	4.70	..	..	..	Z-1:0	
32.39	4.70	..	..	..	..
33.05	3.20	..	..	..	..
33.09	4.60	..	..	..	..
33.23	4.65	N				
33.27	4.65	3.0				
33.32	..	..	..	..	..
33.77	..	..	..	..	..
33.23	4.65	..	..	..	..
33.23	4.65	..	..	..	..
33.23	..	..	..	..	..
33.27	..	..	..	..	..
33.68	..	..	..	..	..
33.90	4.70	..	..	..	..
34.91	4.70	..	..	..	..
34.89	4.65	..	..	..	..
33.63	4.70	..	..	..	..
33.41	4.70	..	..	..	..
33.32	4.65	..	..	..	..
33.50	4.60	..	..	..	..
34.18	4.65	..	..	..	..
33.05	..	..	..	..	..
33.00	..	..	..	..	..
33.27	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1450	20-2-1963	1900—1920	09° 20' N	79° 27' E	12	0 5 10	.. 26.50 26.52
1451	20-2-1963	1950—2000	09° 18' N	79° 32' E	7	0 5	26.35 26.50
1452	20-2-1963	2035—2050	09° 22' N	79° 33' E	13	0 5 10	26.18 26.29 26.25
1453	20-2-1963	2140—2150	09° 28' N	79° 34' E	14	0 5 10	26.25 26.38 26.39
1454	20-2-1963	2225—2255	09° 30' N	79° 30' E	13	0 5 10	26.27 26.37 26.40
1455	20-2-1963	2330—2340	09° 30' N	79° 25' E	13	0 5 10	26.65 26.35 26.39
1456	21-2-1963	0015—0025	09° 33' N	79° 20' E	13	0 5 10	26.25 26.35 26.40
1457	21-2-1963	0100—0106	09° 34' N	79° 14' E	12	0 5 10	26.29 26.50 26.38
1458	21-2-1963	0143—0159	09° 37' N	79° 09' E	11	0 50 10	26.28 26.75 26.71
1459	21-2-1963	0236—0241	09° 38' N	79° 06' E	10	0 5 8	26.30 26.50 26.58
1460	21-2-1963	0310—0315	09° 40' N	70° 10' E	11	0 10	26.60 27.00

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.09	4.80	..	..	..	..
33.18	4.75	..	..	..	..
33.18	4.75	..	..	..	..
34.04	..	..	..	..	..
33.18	..	..	..	..	..
33.09	4.65	..	..	..	..
33.09	..	..	..	..	..
33.54	4.70	..	..	..	..
33.63	..	..	..	..	..
33.70	..	..	..	..	..
33.18	..	..	..	..	..
33.27	4.65	..	..	..	..
33.27	4.60	..	..	..	..
34.54	4.50	..	..	..	..
33.09	..	..	<u>N</u>	..	..
			20			
33.14	..	..	..	..	..
33.09	..	..	..	..	..
33.27	4.50	..	..	..	..
33.18	4.50	..	..	..	..
33.14	4.50	..	..	..	..
33.14	..	..	..	<u>N</u>	..	
				20		
33.73	..	..	..	..	..
..	
..	4.65	..	..	..	..
..	4.60	..	..	..	..
..	4.60	..	..	..	..
..	4.50	..	..	..	..
..	4.50	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1461	21-2-1963	0348—0353	09° 42' N	79° 10' E	8	0	26.55
						5	26.61
1462	21-2-1963	0430—0445	09° 44' N	79° 10' E	8	0	27.30
						5	26.50
1463	21-2-1963	0506—0515	09° 46' N	79° 12' E	8	0	26.60
						5	26.68
1464	21-2-1963	0547—1230	09° 44' N	79° 16' E	12	0	26.40
						5	26.50
						10	26.58
1465	3-3-1963	0535—0550	17° 42' N	83° 17' E	18	0	26.70
						10	26.60
1466	3-3-1963	0900—0935	17° 31' N	83° 22' E	62	0	26.90
						10	26.53
						20	26.43
						30	26.43
						50	26.32
1467	3-3-1963	1100—1120	17° 30' N	83° 27' E	180	0	26.51
						10	26.36
						20	26.33
						30	26.32
						50	26.44
						75	26.20
						100	24.48
150	17.27						
1468	3-3-1963	1230—1255	17° 27' N	83° 19' E	70	0	26.70
						10	26.58
						20	26.48
						30	26.50
						50	26.14
1469	3-3-1963	1435—1445	17° 33' N	83° 11' E	18	0	26.70
						10	26.75
1470	3-3-1963	1700—1730	17° 22' N	83° 12' E	60	0	26.75
						10	26.71
						20	26.49

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
..
..	4.45	..	..	..	..	..
..	4.45	..	..	..	..	..
..
..	4.45	..	..	..	..	..
..	4.45	..	..	..	..	..
..	4.50	..	..	..	..	..
33.05	..	..	..	..	..	..
33.09	..	..	..	..	..	..
33.23	5.00	..	..	..	..	..
33.27	4.85	..	..	..	..	..
33.27	4.95	..	..	..	..	..
33.32	4.85	..	..	..	..	..
33.77	4.60	..	..	..	..	..
33.23	..	..	..	..	..	..
33.23	..	..	..	..	..	..
33.23	..	..	..	..	..	..
33.27	..	..	..	..	..	..
33.68	..	..	..	..	..	..
33.90	..	..	..	..	..	..
34.54	..	..	..	..	..	..
34.89	..	..	..	..	..	..
33.63	5.15	..	..	..	..	..
33.41	4.70	..	..	..	..	..
33.32	4.50	..	..	..	..	..
33.50	4.90	..	..	..	..	..
34.18	1.80	..	..	..	..	..
33.05	..	..	..	..	..	..
33.00	..	..	..	..	..	..
33.27	4.95	..	..	..	..	..
33.09	4.90	..	..	..	..	..
33.18	4.90	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						30	26.50
						50	25.89
1471	3-3-1963	1845—1915	17° 11' N	83° 14' E	88	0	26.35
						10	26.45
						20	26.23
						30	26.35
						50	26.05
						75	25.81
1472	3-3-1963	2030—2050	17° 18' N	83° 04' E	60	0	26.50
						10	26.58
						20	26.51
						30	26.35
						40	25.98
1473	3-3-1963	2215—2235	17° 24' N	82° 54' E	19	0	26.78
						10	26.82
1474	4-3-1963	0043—0100	17° 15' N	82° 55' E	54	0	26.45
						10	26.51
						20	26.51
						30	26.39
						60	26.15
1475	4-3-1963	0210—0230	17° 05' N	82° 54' E	96	0	26.20
						10	26.30
						20	26.31
						30	26.20
						50	26.05
						75	26.04
						95	25.36
1476	4-3-1963	0335—0350	17° 10' N	82° 47' E	..	0	26.30
						10	26.45
						20	26.24
						30	26.15
						50	25.70
1477	4-3-1963	0445—0455	17° 16' N	82° 39' E	..	0	26.50
						10	26.63
						18	26.29

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.18	4.75	..	..	..	..
34.04	4.20	..	..	..	..
33.18	5.00	..	..	..	..
33.09	4.40	..	..	..	..
33.09	4.80	..	..	..	..
33.54	4.75	..	..	..	..
33.63	3.50	..	..	..	..
33.90	3.45	..	..	..	..
33.18	5.15	..	..	..	..
33.27	4.15	..	..	..	..
33.27	5.60	..	..	..	..
34.54	3.65	..	..	..	..
34.04	4.05	..	..	..	..
33.14	4.70	..	..	..	..
33.09	4.80	..	..	..	..
33.27	4.30	NE				
		1-a				
33.18	4.70	..	..	..	..
33.14	4.65	..	..	..	..
33.14	4.70	..	..	..	..
33.73	4.40	..	..	..	..
33.07	4.85	..	..	..	..
33.02	4.05	..	..	..	..
33.31	4.60	..	..	..	..
33.31	4.25	..	..	..	..
33.69	4.60	..	..	..	..
34.27	4.00	..	..	..	..
34.16	2.70	..	..	..	..
33.51	4.20	..	..	..	..
33.23	4.90	..	..	..	..
34.48	4.25	..	..	..	..
33.83	4.25	..	..	..	..
33.88	4.05	..	..	..	..
33.18	4.75	..	..	..	..
33.18	4.55	..	..	..	..
33.49	5.75	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1478	4-3-1963	0717—0735	17° 07' N	82° 4' E	52	0	26.50
						10	26.40
						20	26.37
						30	26.30
						50	25.79
1479	4-3-1963	0840—0910	17° 03' N	82° 43' E	132	0	26.42
						10	26.34
						20	26.43
						30	26.36
						50	25.80
						75	25.68
100	23.23						
1480	4-3-1963	1020—1040	16° 58' N	82° 32' E	60	0	27.10
						10	26.67
						20	26.50
						30	26.31
						50	25.61
1481	4-3-1963	1150—1205	16° 58' N	82° 24' E	18	0	27.80
						10	27.04
1482	4-3-1963	1350—1400	16° 53' N	82° 28' E	40	0	27.50
						10	26.53
						20	26.30
						30	26.15
1483	4-3-1963	1456—1520	16° 48' N	82° 32' E	98	0	27.80
						10	26.59
						20	26.60
						30	26.40
						50	25.79
						75	23.82
95	22.18						
1484	4-3-1963	1610—1616	16° 44' N	82° 24' E	18	0	27.05
						10	26.77
1485	4-3-1963	1710—1737	16° 40' N	82° 29' E	160	0	27.20
						10	26.73
						20	26.53
						30	26.30

S‰	O ₂ ml/l.	Wind	Sea	B.T.	Plankton	Remarks
33.32	5.20	..	..	..	..	..
33.25	5.85	..	..	..	..	..
33.58	5.65	..	..	..	..	..
33.71	5.00	..	..	..	..	..
33.79	5.00	..	..	..	..	..
33.20	5.55	..	..	..	..	..
33.16	4.90	..	..	..	..	..
33.21	5.30	..	..	..	..	..
33.36	5.15	..	..	..	..	..
33.43	5.75	..	..	..	..	..
34.00	4.45	..	..	..	..	..
34.59	2.05	..	..	..	..	..
33.44	5.40	..	..	..	..	..
33.42	5.85	..	..	..	..	..
33.51	5.80	..	..	..	..	..
33.65	5.20	..	..	..	..	..
34.04	3.50	..	..	..	..	..
33.20	4.95	..	..	..	..	..
33.18	4.50	..	..	..	..	..
33.30	5.10	..	..	..	..	..
33.25	5.10	..	..	..	..	..
33.67	4.60	..	..	..	..	..
33.85	5.20	..	..	..	..	..
33.25	5.20	..	..	..	..	..
33.20	4.85	..	..	..	..	..
33.27	4.70	..	..	..	..	..
33.62	5.20	..	..	..	..	..
34.06	3.95	..	..	..	..	..
34.69	1.85	..	..	..	..	..
34.79	2.10	..	..	..	..	..
33.42	5.10	..	..	..	..	..
33.36	5.65	..	..	..	..	..
33.35	5.45	..	..	..	..	..
33.29	5.30	..	..	..	..	..
33.33	5.45	..	..	..	..	..
33.77	5.50	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						50	25.37
						75	23.85
						100	21.58
						150	20.43
1486	4-3-1963	1825—1835	16° 37' N	82° 22' E	16	0	27.00
						10	26.89
1487	4-3-1963	1905—1935	16° 33' N	82° 24' E	148	0	26.60
						10	26.62
						20	26.40
						30	26.05
						50	25.50
						75	25.02
						100	..
1488	4-3-1963	2000—2015	16° 32' N	82° 21' E	18	0	27.00
						10	27.05
1489	4-3-1963	2040—2105	16° 30' N	82° 22' E	162	0	26.90
						10	26.88
						20	26.56
						30	26.38
						50	25.21
						75	24.23
						100	23.37
						150	16.15
1490	4-3-1963	2130—2140	16° 30' N	82° 18' E	17	0	26.80
						10	26.86
1491	4-3-1963	2215—2245	16° 26' N	82° 18' E	222	0	26.60
						10	26.59
						20	26.56
						30	26.32
						50	25.00
						75	23.71
						100	21.62
						150	16.58
						200	12.55
1492	4-3-1963	2330—2340	16° 26' N	82° 13' E	19	0	26.55
						10	26.60

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.32	3.95	..	..	..	..
34.63	2.65	..	..	..	..
34.84	2.10	..	..	..	..
35.00	1.35	..	..	..	..
33.24	6.10	..	..	..	..
33.24	5.85	..	..	..	..
33.40	4.40	..	..	..	..
33.36	4.40	..	..	..	..
33.36	4.35	..	..	..	..
33.59	3.90	..	..	..	..
34.16	3.25	..	..	..	..
34.46	2.15	..	..	..	..
34.68	1.10	..	..	..	..
33.51	4.25	..	..	..	..
33.33	4.25	..	..	..	..
33.56	4.50	..	..	..	..
33.63	4.25	..	..	..	..
33.59	4.40	..	..	..	..
33.68	4.15	..	..	..	..
34.90	2.90	..	..	..	..
34.58	1.45	..	..	..	..
34.68	1.20	..	..	..	..
34.91	0.35	..	..	..	..
33.45	4.40	..	..	..	..
33.78	4.35	..	..	..	..
33.59	4.50	..	..	..	..
33.63	4.40	..	..	..	..
33.70	4.25	..	..	..	..
33.73	4.30	..	..	..	..
34.47	1.40	..	..	..	..
34.32	1.35	..	..	..	..
34.83	0.65	..	..	..	..
34.93	0.35	..	..	..	..
35.05	0.25	..	..	..	..
33.36	4.25	..	..	..	..
33.77	5.05	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1493	5-3-1963	0017—0100	16° 21' N	82° 14' E	160	0	26.30
						10	26.56
						20	26.63
						30	26.63
						50	25.85
						75	25.50
						100	24.80
150	20.97						
1494	5-3-1963	0145—0200	16° 23' N	82° 10' E	18	0	26.55
						10	25.70
1495	5-3-1963	0250—0320	16° 16' N	82° 06' E	110	0	26.35
						10	26.62
						20	26.63
						30	26.56
						50	26.00
						75	24.77
						100	21.16
1496	5-3-1963	0400—0410	16° 20' N	82° 01' E	12	0	26.55
						10	26.81
1497	5-3-1963	0525—0600	16° 11' N	81° 56' E	141	0	26.40
						10	26.59
						20	26.46
						30	26.40
						50	26.15
						75	23.08
						100	20.57
1498	5-3-1963	0715—0720	16° 15' N	81° 46' E	8	0	26.48
						5	26.58
1499	5-3-1963	0815—0835	16° 09' N	81° 43' E	120	0	26.70
						10	26.68
						20	26.59
						30	26.21
						50	25.67
						75	23.56
						100	20.97
1500	5-3-1963	0950—1000	16° 17' N	81° 36' E	8	0	27.16
						5	26.86

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.52	4.30	..	..	..	..
33.56	4.25	..	..	..	..
33.58	4.60	..	..	..	..
33.95	4.25	..	..	..	..
34.16	3.70	..	..	..	..
34.33	4.05	..	..	..	..
34.54	1.85	..	..	..	..
34.78	0.60	..	..	..	..
33.28	4.40	..	..	..	..
33.30	4.20	..	..	..	..
33.35	4.40	..	..	..	..
33.28	4.45	..	..	..	..
33.55	4.70	..	..	..	..
33.51	4.45	..	..	..	..
33.84	4.45	..	..	..	..
34.36	4.90	..	..	..	..
34.74	0.60	..	..	..	..
33.49	4.45	..	..	..	..
33.42	4.35	..	..	..	..
33.30	4.35	..	..	..	..
33.39	4.40	..	..	..	..
33.58	4.40	..	..	..	..
33.62	4.20	..	..	..	..
33.87	3.95	..	..	..	..
34.71	1.15	..	..	..	..
34.79	0.60	..	..	..	..
33.21	4.35	..	..	..	..
33.19	4.10	..	..	..	..
33.28	4.10	..	..	..	..
33.30	4.35	..	..	..	..
33.28	4.40	..	..	..	..
33.66	3.70	..	..	..	..
34.05	3.55	..	..	..	..
34.50	1.60	..	..	..	..
34.79	0.70	..	..	..	..
33.13	4.35	..	..	..	..
33.13	4.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1501	5-3-1963	1130—1145	16° 07' N	81° 33' E	125	0	27.85
						10	26.72
						20	26.72
						30	26.59
						50	25.43
						75	23.20
100	20.07						
1502	5-3-1963	1245—1252	16° 10' N	81° 26' E	20	0	26.55
						10	26.89
						18	26.56
1503	5-3-1963	1335—1337	16° 14' N	81° 19' E	9	0	28.20
						5	28.10
1504	5-3-1963	1450—1500	16° 04' N	81° 20' E	>20	0	28.65
						10	27.68
						20	26.54
1505	5-3-1963	1614—1640	15° 55' N	81° 20' E	180	0	27.50
						10	26.80
						20	26.81
						30	26.79
						50	26.59
						75	25.06
						100	22.96
150	19.34						
1506	5-3-1963	1736—1742	15° 55' N	81° 12' E	9	0	27.70
						5	27.69
1507	5-3-1963	1845—1910	15° 46' N	81° 11' E	90	0	27.30
						10	26.95
						20	26.74
						30	26.69
						50	26.13
						75	23.63
1508	5-3-1963	1945—2000	15° 47' N	81° 05' E	8	0	27.82
						5	27.52
1509	5-3-1963	2055—2125	15° 40' N	81° 02' E	120	0	27.38
						10	27.30
						20	26.87

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.35	4.50	..	..	..	..
33.60	4.35	..	..	..	..
33.30	4.55	..	..	..	..
33.39	4.20	..	..	..	..
34.09	3.25	..	..	..	..
34.43	1.45	..	..	..	..
34.78	0.60	..	..	..	..
33.08	4.35	..	..	..	..
32.99	4.30	..	..	..	..
33.17	4.15	..	..	..	..
33.17	4.40	..	..	..	..
33.17	4.40	..	..	..	..
32.70	4.35	..	..	..	..
32.92	4.35	..	..	..	..
33.40	4.10	..	..	..	..
33.19	4.50	..	..	..	..
33.17	4.35	..	..	..	..
33.29	4.25	..	..	..	..
33.53	4.65	..	..	..	..
33.50	4.25	..	..	..	..
34.18	2.85	..	..	..	..
34.65	1.15	..	..	..	..
34.93	0.35	..	..	..	..
33.62	4.50	..	..	..	..
33.14	4.35	..	..	..	..
..	4.40	..	..	..	..
33.22	4.35	..	..	..	..
33.42	4.40	..	..	..	..
33.48	3.95	..	..	..	..
33.82	1.55	..	..	..	..
35.11	..	..	..	..	..
33.12	4.20	..	..	..	..
32.91	4.45	..	..	..	..
32.89	4.95	..	..	..	..
32.91	4.70	..	..	..	..
33.15	4.65	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						30	26.71
						50	26.59
						75	26.40
						100	24.26
1510	5-3-1963	2150—2200	15° 42' N	80° 59' E	6	0	27.92
						4	27.92
1511	5-3-1963	2215—2320	15° 35' N	80° 56' E	166	0	26.86
						10	26.93
						20	26.72
						30	26.66
						50	26.50
						75	26.04
						100	21.63
						150	18.26
1512	6-3-1963	0004—0015	15° 39' N	80° 49' E	10	0	26.70
						5	26.67
1513	6-3-1963	0135—0203	15° 29' N	80° 42' E	86	0	..
						10	26.91
						20	26.75
						30	26.64
						50	26.21
						75	24.39
1514	6-3-1963	0325—0331	15° 34' N	80° 31' E	11	0	27.05
						10	27.08
1515	6-3-1963	0500—0524	15° 38' N	80° 18' E	10	0	26.90
						5	26.96
1516	6-3-1963	0615—0705	15° 27' N	80° 24' E	10	0	27.02
						5	27.16
1517	6-3-1963	0825—0840	15° 15' N	80° 30' E	100	0	27.49
						10	27.10
						20	26.69
						30	26.58
						50	26.20
						75	25.16

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.35	5.05	..	..	..	..
33.61	4.60	..	..	..	..
33.61	4.80	..	..	..	..
34.36	2.50	..	..	..	..
32.79	4.80	..	..	..	..
32.82	4.55	..	..	..	..
33.39	4.80	..	..	..	..
33.46	5.00	..	..	..	..
33.51	4.80	..	..	..	..
33.59	4.80	..	..	..	..
33.83	4.80	..	..	..	..
34.06	4.35	..	..	..	..
34.77	0.95	..	..	..	..
34.88	0.40	..	..	..	..
32.89	4.80	..	..	..	..
33.01	3.15	..	..	..	..
33.75	4.65	..	..	..	..
33.42	4.75	..	..	..	..
33.52	4.65	..	..	..	..
33.67	4.65	..	..	..	..
34.63	4.05	..	..	..	..
34.35	2.75	..	..	..	..
32.63	4.80	..	..	..	..
32.80	4.90	..	..	..	..
32.15	4.90	..	..	..	..
32.13	4.65	..	..	..	..
32.79	5.05	..	..	..	..
32.98	4.70	..	..	..	..
33.68	4.70	..	..	..	..
34.01	4.80	..	..	..	..
33.91	4.75	..	..	..	..
33.68	4.70	..	..	..	..
33.81	4.70	..	..	..	..
34.43	3.20	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1518	6-3-1963	0955—1010	15° 15' N	80° 18' E	23	0	27.35
						10	27.04
						20	26.98
1519	6-3-1963	1125—1135	15° 11' N	80° 07' E	11	0	27.75
						5	27.30
1520	6-3-1963	1240—1250	15° 06' N	80° 14' E	28	0	27.90
						10	27.40
						20	26.99
1521	6-3-1963	1400—1430	15° 00' N	80° 22' E	160	0	27.45
						10	27.47
						20	27.04
						30	26.84
						50	26.44
						75	26.03
						100	23.64
150	18.50						
1522	6-3-1963	1532—1546	14° 55' N	80° 15' E	58	0	27.75
						10	27.70
						20	26.94
						30	26.48
						50	26.28
1523	6-3-1963	1652—1700	14° 50' N	80° 07' E	14	0	27.70
						10	27.30
1524	6-3-1963	1750—1805	14° 47' N	80° 14' E	48	0	27.71
						10	27.77
						20	27.06
						30	26.81
1525	6-3-1963	1855—1905	14° 46' N	80° 20' E	148	0	27.31
						10	26.85
						20	26.79
						30	26.55
						50	26.03
						75	25.15
100	22.88						
1526	6-3-1963	1955—2010	14° 41' N	80° 16' E	54	0	27.59
						10	27.26

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
32.97	4.60	..	..	..	..
33.39	4.75	..	..	..	..
33.39	4.70	..	..	..	..
32.53	4.40	..	..	..	..
32.70	4.65	..	..	..	..
32.37	4.50	..	..	..	..
32.94	4.55	..	..	..	..
33.37	4.65	..	..	..	..
32.73	4.60	..	..	..	..
33.34	4.65	..	..	..	..
33.91	4.65	..	..	..	..
33.52	4.65	..	..	..	..
33.80	4.60	..	..	..	..
34.04	3.75	..	..	..	..
34.80	1.10	..	..	..	..
34.87	0.45	..	..	..	..
32.94	6.15	..	..	..	..
32.92	..	..	..	..	..
33.38	4.45	..	..	..	..
33.64	4.55	..	..	..	..
33.91	4.05	..	..	..	..
33.58	4.45	..	..	..	..
33.62	4.10	..	..	..	..
33.20	4.45	..	..	..	..
33.05	4.15	..	..	..	..
33.33	4.40	..	..	..	..
33.36	4.25	..	..	..	..
33.53	4.40	..	..	..	..
33.67	4.40	..	..	..	..
33.41	4.45	..	..	..	..
33.79	4.30	..	..	..	..
33.69	4.45	..	..	..	..
34.48	5.45	..	..	..	..
34.65	0.80	..	..	..	..
33.16	4.40	..	..	..	..
33.38	4.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	26.96
						30	26.74
						50	26.21
1527	6-3-1963	2055—2100	14° 37' N	80° 12' E	10	0	28.09
						5	28.00
1528	6-3-1963	2150—2200	14° 33' N	80° 17' E	28	0	28.10
						10	27.26
						20	27.10
1529	6-3-1963	2240—2300	14° 29' N	80° 22' E	184	0	27.50
						10	26.95
						20	26.57
						30	26.26
						50	25.98
						75	24.73
						100	22.59
						150	17.68
1530	7-3-1963	0000—0015	14° 21' N	80° 14' E	10	0	27.77
						7	27.78
1531	7-3-1963	0050—0125	14° 18' N	80° 18' E	180	0	27.00
						10	27.64
						20	27.06
						30	26.75
						50	26.25
						75	25.74
						100	21.75
						150	16.71
1532	7-3-1963	0220—0225	14° 15' N	80° 12' E	11	0	27.80
						10	27.40
1533	7-3-1963	0325—0350	14° 11' N	80° 18' E	20	0	27.35
						10	27.49
						18	27.16
1534	7-3-1963	0445—0540	14° 06' N	80° 25' E	180	0	26.80
						10	26.97
						20	26.97
						30	26.85
						50	26.21

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.41	4.50	..	..	..	..
33.63	4.50	..	..	..	..
33.83	2.25	..	..	..	..
33.20	3.30	..	..	..	..
33.32	4.40	..	..	..	..
33.29	4.45	..	..	..	..
33.27	4.45	..	..	..	..
33.47	4.40	..	..	..	..
33.46	4.45	..	..	..	..
34.11	4.50	..	..	..	..
34.30	4.35	..	..	..	..
34.32	5.50	..	..	..	..
34.36	3.05	..	..	..	..
34.39	1.50	..	..	..	..
34.65	0.60	..	..	..	..
34.80	0.30	..	..	..	..
33.38	4.45	..	..	..	..
33.37	4.35	..	..	..	..
33.42	4.40	..	..	..	..
33.42	4.40	..	..	..	..
33.40	4.50	..	..	..	..
33.58	4.55	..	..	..	..
33.80	4.25	..	..	..	..
34.06	3.55	..	..	..	..
34.20	..	..	..	..	..
34.87	0.45	..	..	..	..
33.03	4.25	..	..	..	..
33.28	4.25	..	..	..	..
33.41	4.35	..	..	..	..
33.40	4.35	..	..	..	..
33.46	4.45	..	..	..	..
33.74	4.55	..	..	..	..
33.66	4.50	..	..	..	..
33.75	4.55	..	..	..	..
33.71	5.15	..	..	..	..
33.75	4.45	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						75	24.88
						100	21.96
						150	17.48
1535	7-3-1963	0700—0710	13° 57' N	80° 20' E	12	0	26.96
						10	26.87
1536	7-3-1963	0805—0900	13° 54' N	80° 26' E	116	0	26.71
						10	26.80
						20	26.81
						30	26.35
						50	26.20
						75	25.83
						100	21.50
1537	7-3-1963	0930—0940	13° 48' N	80° 18' E	8	0	28.47
						5	27.33
1538	7-3-1963	1030—1045	13° 45' N	80° 23' E	38	0	27.47
						10	26.88
						20	26.79
						30	26.58
1539	7-3-1963	1130—1155	13° 42' N	80° 29' E	174	0	27.32
						10	26.76
						20	26.70
						30	26.43
						50	26.25
						75	25.96
						100	22.78
						150	17.52
1540	7-3-1963	1245—1253	13° 38' N	80° 18' E	18	0	28.25
						10	26.89
						15	26.88
1541	7-3-1963	1340—1350	13° 34' N	80° 18' E	9	0	28.20
						5	27.64
1542	7-3-1963	1445—1505	13° 30' N	80° 24' E	30	0	28.25
						10	26.76
						20	26.69
						28	26.39

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.33	2.35	..	..	..	..
34.97	0.80	..	..	..	..
34.97	0.30	..	..	..	..
33.75	4.45	..	..	..	..
33.74	4.40	..	..	..	..
33.74	4.55	..	..	..	..
33.68	4.65	..	..	..	..
33.67	4.45	..	..	..	..
33.73	4.45	..	..	..	..
33.90	4.35	..	..	..	..
34.28	3.25	..	..	..	..
34.07	..	..	..	..	..
33.30	4.35	..	..	..	..
33.48	4.30	..	..	..	..
33.59	4.50	..	..	..	..
33.65	3.90	..	..	..	..
33.70	4.45	..	..	..	..
33.74	4.45	..	..	..	..
33.68	4.40	..	..	..	..
33.65	4.70	..	..	..	..
33.65	3.50	..	..	..	..
33.66	5.45	..	..	..	..
33.69	4.45	..	..	..	..
34.21	3.45	..	..	..	..
34.71	0.65	..	..	..	..
34.87	0.60	..	..	..	..
33.59	4.70	..	..	..	..
33.58	4.60	..	..	..	..
33.70	5.20	..	..	..	..
33.33	5.35	..	..	..	..
33.39	4.95	..	..	..	..
33.57	5.30	..	..	..	..
33.60	5.20	..	..	..	..
33.66	5.35	..	..	..	..
34.44	4.75	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1543	7-3-1963	1548—1615	13° 24' N	80° 30' E	86	0	27.40
						10	26.79
						20	26.78
						30	26.60
						50	26.27
						75	23.75
1544	7-3-1963	1725—1735	13° 17' N	80° 23' E	18	0	28.28
						10	27.37
1545	7-3-1963	1830—1850	13° 12' N	80° 28' E	66	0	27.69
						10	27.76
						20	26.77
						30	26.75
						50	26.28
1546	11-3-1963	1700—1710	13° 06' N	80° 19' E	9	0	27.85
						5	27.90
1547	11-3-1963	1755—1810	13° 02' N	80° 22' E	24	0	27.35
						10	27.40
						20	26.87
1548	11-3-1963	1845—1900	12° 59' N	80° 35' E	60	0	27.40
						10	27.47
						20	27.12
						30	26.89
						50	25.85
1549	11-3-1963	1945—2015	12° 55' N	80° 29' E	86	0	27.38
						10	27.41
						20	27.31
						30	26.83
						50	26.20
						75	24.56
1550	11-3-1963	2050—2110	12° 52' N	80° 31' E	111	0	27.40
						10	27.40
						20	27.23
						30	27.08
						50	26.33
						75	23.54
						100	20.80

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.69	5.00	..	..	..	..
33.65	4.90	..	..	..	..
33.68	5.20	..	..	..	..
33.69	4.85	..	..	..	..
33.87	2.75	..	..	..	..
33.43	..	..	..	..	..
33.48	4.70	..	..	..	..
33.55	4.30	..	..	..	..
33.50	4.95	..	..	..	..
33.47	4.90	..	..	..	..
33.62	4.75	..	..	..	..
34.20	5.00	..	..	..	..
34.42	4.85	..	..	..	..
33.55	4.55	..	..	..	..
33.50	4.70	..	..	..	..
33.42	4.80	..	..	..	..
33.41	5.35	..	..	..	..
33.51	5.55	..	..	..	..
33.51	5.10	..	..	..	..
33.76	5.35	..	..	..	..
33.46	5.40	..	..	..	..
33.65	5.10	..	..	..	..
33.87	4.55	..	..	..	..
33.47	5.35	..	..	..	..
33.56	5.60	..	..	..	..
33.49	5.15	..	..	..	..
33.57	5.20	..	..	..	..
34.20	5.20	..	..	..	..
34.27	3.55	..	..	..	..
33.60	5.10	..	..	..	..
33.50	5.00	..	..	..	..
33.57	5.35	..	..	..	..
33.90	5.10	..	..	..	..
33.96	5.10	..	..	..	..
34.42	2.50	..	..	..	..
34.77	1.55	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1551	11-3-1963	2150—2225	12° 48' N	80° 36' E	148	0	27.41
						10	27.52
						20	27.50
						30	27.34
						50	26.50
						75	23.75
100	21.40						
1552	11-3-1963	2250—2355	12° 45' N	80° 38' E	180	0	28.02
						10	27.40
						20	27.37
						30	27.26
						50	26.82
						75	22.60
100	21.22						
150	16.68						
1553	12-3-1963	0030—0110	12° 45' N	80° 33' E	85	0	27.40
						10	27.43
						20	27.39
						30	27.15
						50	26.48
						75	22.59
1554	12-3-1963	0145—0205	12° 45' N	80° 28' E	74	0	27.55
						10	27.45
						20	27.20
						30	26.88
						50	25.21
1555	12-3-1963	0245—0310	12° 45' N	80° 23' E	55	0	27.30
						10	27.49
						20	27.20
						30	27.88
						50	24.79
1556	12-3-1963	0340—0350	12° 44' N	80° 18' E	36	0	27.59
						10	27.47
						20	27.30
						30	26.37
1557	12-3-1963	0425—0435	12° 44' N	80° 15' E	9	0	27.62
						5	27.68

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.50	5.35	..	..	..	..
33.51	5.30	..	..	..	..
33.50	5.00	..	..	..	..
33.54	5.00	..	..	..	..
33.90	4.65	..	..	..	..
34.74	1.15	..	..	..	..
34.80	0.50	..	..	..	..
33.50	4.75	..	..	..	..
33.51	4.70	..	..	..	..
33.48	4.55	..	..	..	..
33.42	4.80	..	..	..	..
34.53	4.80	..	..	..	..
34.74	1.40	..	..	..	..
34.80	0.60	..	..	..	..
34.98	0.45	..	..	..	..
34.81	4.50	..	..	..	..
33.60	4.90	..	..	..	..
34.70	4.60	..	..	..	..
33.50	4.70	..	..	..	..
33.99	4.30	..	..	..	..
34.58	1.80	..	..	..	..
33.54	4.75	..	..	..	..
33.54	4.60	..	..	..	..
34.02	4.65	..	..	..	..
33.40	4.45	..	..	..	..
34.56	3.35	..	..	..	..
33.50	4.55	..	..	..	..
33.52	4.65	..	..	..	..
33.50	4.60	..	..	..	..
33.52	4.80	..	..	..	..
34.03	3.30	..	..	..	..
33.40	4.75	..	..	..	..
33.42	4.65	..	..	..	..
33.32	4.70	..	..	..	..
33.75	4.70	..	..	..	..
33.55	4.65	..	..	..	..
33.44	4.55	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1558	12-3-1963	0510—0520	12° 42' N	80° 19' E	40	0	27.60
						10	27.55
						20	27.51
						30	26.99
1559	12-3-1963	0600—0630	12° 38' N	80° 23' E	56	0	27.60
						10	27.65
						20	27.16
						30	26.67
1560	12-3-1963	0705—0725	12° 34' N	80° 26' E	70	0	27.30
						10	27.47
						20	27.42
						30	27.00
1561	12-3-1963	0800—0835	12° 31' N	80° 30' E	78	0	27.05
						10	27.17
						20	27.23
						30	27.09
1562	12-3-1963	0920—1055	12° 26' N	80° 35' E	250	0	27.15
						10	27.32
						20	27.21
						30	27.06
1563	12-3-1963	1130—1145	12° 25' N	80° 30' E	79	0	27.27
						10	27.22
						20	27.18
						30	27.03
1564	12-3-1963	1200—1248	12° 25' N	80° 24' E	62	0	27.50
						10	27.32
						20	27.24

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.53	4.65	..	..	..	..
33.56	4.90	..	..	..	..
33.43	3.25	..	..	..	..
33.51	4.65	..	..	..	..
33.53	4.80	..	..	..	..
33.60	4.65	..	..	..	..
33.58	4.85	..	..	..	..
33.69	4.50	..	..	..	..
34.19	3.40	..	..	..	..
34.08	4.65	..	..	..	..
33.74	4.65	..	..	..	..
33.52	4.90	..	..	..	..
33.59	4.65	..	..	..	..
34.04	4.20	..	..	..	..
33.57	4.65	..	..	..	..
33.69	4.60	..	..	..	..
34.41	4.65	..	..	..	..
33.78	4.65	..	..	..	..
34.11	4.20	..	..	..	..
34.64	1.55	..	..	..	..
33.91	4.60	..	..	..	..
33.93	4.80	..	..	..	..
34.17	4.85	..	..	..	..
33.81	4.70	..	..	..	..
33.93	4.60	..	..	..	..
34.14	4.40	..	..	..	..
34.90	0.95	..	..	..	..
34.97	0.35	..	..	..	..
35.00	..	..	..	..	..
33.58	4.75	..	..	..	..
33.56	4.55	..	..	..	..
33.68	4.70	..	..	..	..
33.70	4.60	..	..	..	..
33.84	4.70	..	..	..	..
34.76	0.85	..	..	..	..
33.53	4.60	..	..	..	..
33.79	4.55	..	..	..	..
33.80	4.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						30	26.97
						50	26.13
1565	12-3-1963	1325—1335	12° 34' N	80° 20' E	47	0	27.88
						10	27.69
						20	27.40
						30	26.58
1566	12-3-1963	1420—1450	12° 32' N	80° 16' E	36	0	27.98
						10	27.69
						20	26.58
						30	26.28
1567	12-3-1963	1525—1532	12° 32' N	80° 11' E	10	0	20.50
						5	28.51
1568	12-3-1963	1615—1632	12° 27' N	80° 15' E	28	0	27.75
						10	27.91
						20	26.52
1569	12-3-1963	1710—1720	12° 32' N	80° 16' E	45	0	27.55
						10	27.55
						20	27.35
						30	26.38
1570	12-3-1963	1800—1825	12° 18' N	80° 18' E	55	0	27.45
						10	27.62
						20	27.20
						30	27.10
						50	25.94
1571	12-3-1963	1905—2000	12° 13' N	80° 20' E	560	0	27.60
						10	27.29
						20	26.99
						30	26.66
						50	26.00
						75	22.71
						100	19.17
						150	16.25
						200	13.75
						300	12.65
						400	10.84
						500	10.13

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.90	4.80	..	..	..	..
34.20	3.90	..	..	..	..
33.47	4.70	..	..	..	..
33.46	4.65	..	..	..	..
33.53	4.70	..	..	..	..
33.88	4.55	..	..	..	..
34.04	4.50	..	..	..	..
33.49	4.65	..	..	..	..
33.90	4.70	..	..	..	..
33.97	1.75	..	..	..	..
33.51	4.80	..	..	..	..
33.49	4.80	..	..	..	..
33.54	4.80	..	..	..	..
33.53	4.60	..	..	..	..
33.95	4.80	..	..	..	..
33.60	4.75	..	..	..	..
33.77	4.60	..	..	..	..
33.58	4.75	..	..	..	..
33.91	4.50	..	..	..	..
33.88	5.00	..	..	..	..
33.63	4.75	..	..	..	..
33.84	4.75	..	..	..	..
33.90	4.80	..	..	..	..
34.16	4.40	..	..	..	..
33.63	4.65	..	..	..	..
33.74	4.75	..	..	..	..
34.00	4.75	..	..	..	..
33.95	4.80	..	..	..	..
34.62	2.75	..	..	..	..
34.78	1.30	..	..	..	..
35.15	0.90	..	..	..	..
34.61	1.20	..	..	..	..
34.88	0.75	..	..	..	..
34.97	0.55	..	..	..	..
34.87	0.50	..	..	..	..
34.94	0.50	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1572	12-3-1963	2035—2100	12° 14' N	80° 15' E	50	0	27.16
						10	27.00
						20	26.89
						30	26.22
1573	12-3-1963	2135—2155	12° 15' N	80° 10' E	42	0	27.36
						10	27.40
						20	27.09
						30	26.60
1574	12-3-1963	2230—2250	12° 15' N	80° 05' E	23	0	27.41
						10	27.50
						20	26.60
1575	12-3-1963	2325—2335	12° 15' N	80° 10' E	12	0	28.09
						8	28.09
1576	13-3-1963	0010—0025	12° 11' N	80° 02' E	20	0	27.21
						10	27.24
1577	13-3-1963	0104—0115	12° 06' N	80° 04' E	32	0	27.46
						10	27.53
						20	26.83
						30	26.22
1578	13-3-1963	0155—0212	12° 00' N	80° 05' E	55	0	27.40
						10	27.49
						20	26.86
						30	26.77
						50	25.96
1579	13-3-1963	0250—0323	11° 56' N	80° 06' E	180	0	27.47
						10	27.54
						20	27.32
						30	26.86
						50	25.63
						75	22.75
						100	20.00
150	19.20						
1580	13-3-1963	0400—0425	11° 58' N	80° 01' E	38	0	27.40
						10	27.46
						20	26.93
						30	26.29

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.75	4.90	..	..	..	..
33.78	4.70	..	..	..	..
33.82	5.00	..	..	..	..
33.93	5.05	..	..	..	..
33.58	5.00	..	..	..	..
33.62	4.75	..	..	..	..
34.02	4.80	..	..	..	..
34.20	3.95	..	..	..	..
33.39	4.75	..	..	..	..
33.57	4.60	..	..	..	..
33.86	4.85	..	..	..	..
33.39	4.80	..	..	..	..
33.37	4.55	..	..	..	..
33.57	5.05	..	..	..	..
33.53	4.70	..	..	..	..
33.48	5.00	..	..	..	..
33.42	4.50	..	..	..	..
33.80	4.65	..	..	..	..
34.22	4.30	..	..	..	..
33.49	4.90	..	..	..	..
33.40	4.75	..	..	..	..
33.66	4.95	..	..	..	..
34.13	4.85	..	..	..	..
34.27	4.45	..	..	..	..
33.42	4.75	..	..	..	..
33.39	4.70	..	..	..	..
33.60	4.85	..	..	..	..
33.69	5.15	..	..	..	..
34.02	4.05	..	..	..	..
34.25	4.25	..	..	..	..
34.79	2.10	..	..	..	..
34.85	0.65	..	..	..	..
33.19	4.70	..	..	..	..
33.40	5.10	..	..	..	..
33.75	5.20	..	..	..	..
33.91	5.15	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1581	13-3-1963	0500—0515	11° 59' N	79° 56' E	20	0	27.20
						5	27.26
						15	26.78
1582	13-3-1963	0550—0600	12° 00' N	79° 53' E	10	0	27.25
						5	27.40
1583	13-3-1963	0655—0705	11° 54' N	79° 53' E	22	0	27.30
						10	27.36
						20	26.63
1584	13-3-1963	0740—0800	11° 49' N	79° 59' E	40	0	27.30
						10	27.28
						20	27.18
						30	27.03
1585	13-3-1963	0835—0855	11° 44' N	79° 52' E	60	0	27.41
						10	27.31
						20	27.00
						30	26.70
						50	25.94
1586	13-3-1963	0930—1020	11° 39' N	79° 59' E	180	0	27.75
						10	27.67
						20	27.20
						30	26.92
						50	26.31
						75	23.61
						150	18.16
1587	13-3-1963	1110—1120	11° 41' N	79° 55' E	38	0	28.20
						10	27.61
						20	27.08
						30	26.73
1588	13-3-1963	1155—1210	11° 40' N	79° 50' E	19	0	28.90
						10	27.13
1589	13-3-1963	1234—1240	11° 42' N	79° 48' E	10	0	28.45
						6	27.40
1590	13-3-1963	1325—1340	11° 37' N	79° 50' E	17	0	27.90
						10	27.59

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.44	5.10	..	..	..	..
33.53	5.20	..	..	..	..
33.87	4.85	..	..	..	..
33.57	5.10	..	..	..	..
33.44	5.05	..	..	..	..
33.62	5.15	..	..	..	..
33.36	4.95	..	..	..	..
34.06	5.05	..	..	..	..
33.44	5.05	..	..	..	..
33.44	4.90	..	..	..	..
33.48	5.15	..	..	..	..
33.74	5.10	..	..	..	..
33.49	4.95	..	..	..	..
34.07	5.00	..	..	..	..
33.95	5.10	..	..	..	..
33.96	4.95	..	..	..	..
34.11	4.65	..	..	..	..
33.20	4.95	..	..	..	..
33.41	4.95	..	..	..	..
33.72	4.90	..	..	..	..
33.97	5.05	..	..	..	..
34.02	4.85	..	..	..	..
34.20	2.60	..	..	..	..
34.45	2.45	..	..	..	..
34.85	0.75	..	..	..	..
33.16	4.90	..	..	..	..
33.22	5.00	..	..	..	..
33.45	5.20	..	..	..	..
33.71	5.10	..	..	..	..
33.37	5.05	..	..	..	..
33.50	5.00	..	..	..	..
33.37	5.15	..	..	..	..
33.47	5.15	..	..	..	..
33.05	6.35	..	..	..	..
33.30	7.70	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1591	13-3-1963	1420—1430	10° 33' N	79° 53' E	33	0	29.10
						10	27.21
						20	26.88
						30	26.15
1592	13-3-1963	1510—1530	10° 30' N	79° 56' E	68	0	28.59
						10	27.42
						20	27.30
						30	26.72
						50	25.77
1593	13-3-1963	1600—1630	11° 26' N	79° 59' E	200	0	28.30
						10	27.67
						20	27.00
						30	27.07
						50	24.95
						75	23.54
						150	20.50
1594	13-3-1963	1712—1730	11° 25' N	79° 59' E	38	0	27.98
						10	27.12
						20	26.24
						30	25.63
1595	13-3-1963	1800—1805	11° 20' N	79° 59' E	10	0	28.20
						8	28.28
1596	13-3-1963	1840—1900	11° 16' N	79° 55' E	34	0	28.05
						10	27.48
						20	27.20
						30	26.46
1597	13-3-1963	1935—1950	11° 14' N	79° 59' E	54	0	27.75
						10	27.73
						20	27.04
						30	26.38
						50	25.33
1598	13-3-1963	2100—2150	11° 10' N	80° 05' E	186	0	27.79
						10	27.66
						20	27.19
						30	27.01
						50	26.61

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
32.17	5.15	..	..	..	..
33.42	5.05	..	..	..	..
33.58	5.05	..	..	..	..
34.04	4.75	..	..	..	..
33.05	4.95	..	..	..	..
33.75	5.45	..	..	..	..
33.78	5.35	..	..	..	..
34.23	5.10	..	..	..	..
34.06	4.65	..	..	..	..
33.89	5.20	..	..	..	..
33.45	5.20	..	..	..	..
33.71	5.05	..	..	..	..
33.86	5.40	..	..	..	..
34.45	3.16	..	..	..	..
34.62	2.15	..	..	..	..
34.79	1.10	..	..	..	..
34.87	0.85	..	..	..	..
33.25	5.45	..	..	..	..
33.59	5.30	..	..	..	..
33.89	4.55	..	..	..	..
33.96	4.10	..	..	..	..
33.16	5.05	..	..	..	..
33.40	5.10	..	..	..	..
33.17	5.10	..	..	..	..
33.33	5.30	..	..	..	..
33.74	5.30	..	..	..	..
33.89	5.10	..	..	..	..
33.10	5.65	..	..	..	..
33.32	5.35	..	..	..	..
34.00	5.35	..	..	..	..
34.00	5.05	..	..	..	..
34.09	4.10	..	..	..	..
33.28	5.20	..	..	..	..
33.47	5.25	..	..	..	..
33.72	5.10	..	..	..	..
33.86	5.50	..	..	..	..
34.05	5.50	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						75	24.50
						100	21.25
						150	18.72
1599	13-3-1963	2220—2230	11° 09' N	80° 01' E	63	0	28.28
						10	27.73
						20	26.91
						30	26.71
						50	24.13
1600	13-3-1963	2300—2330	11° 08' N	79° 57' E	30	0	27.95
						10	28.00
						20	27.20
1601	14-3-1963	0004—0015	11° 09' N	79° 52' E	9	0	28.10
						5	28.25
1602	14-3-1963	0055—0117	11° 08' N	79° 57' E	25	0	27.61
						10	27.75
						20	27.36
1603	14-3-1963	0155—0210	11° 05' N	80° 02' E	55	0	27.60
						10	27.87
						20	27.45
						30	26.90
						50	25.95
1604	14-3-1963	0245—0320	11° 03' N	80° 07' E	77	0	27.73
						10	27.84
						20	27.64
						30	26.59
						50	26.55
						75	23.14
1605	14-3-1963	0400—0430	11° 01' N	80° 12' E	184	0	27.49
						10	27.66
						20	27.79
						30	27.17
						50	26.57
						75	23.16
						100	18.82
						150	16.58

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.09	5.75	..	..	..	..
34.49	3.70	..	..	..	..
34.83	1.45	..	..	..	..
33.54	5.05	..	..	..	..
33.29	5.55	..	..	..	..
33.71	5.55	..	..	..	..
33.71	5.45	..	..	..	..
34.37	4.45	..	..	..	..
33.30	4.80	..	..	..	..
33.26	5.10	..	..	..	..
33.78	..	..	..	..	..
32.94	5.00	..	..	..	..
32.88	4.90	..	..	..	..
33.26	4.80	..	..	..	..
33.24	4.80	..	..	..	..
33.61	4.80	..	..	..	..
33.26	4.90	..	..	..	..
33.22	5.05	..	..	..	..
33.68	5.00	..	..	..	..
33.76	5.05	..	..	..	..
34.07	4.70	..	..	..	..
33.28	4.90	..	..	..	..
33.45	5.05	..	..	..	..
33.59	4.95	..	..	..	..
33.89	4.85	..	..	..	..
34.60	4.20	..	..	..	..
34.85	..	..	..	..	..
33.22	4.90	..	..	..	..
33.43	5.15	..	..	..	..
33.45	4.90	..	..	..	..
33.91	4.80	..	..	..	..
34.21	4.65	..	..	..	..
34.75	1.90	..	..	..	..
34.78	1.45	..	..	..	..
34.84	0.90	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1606	14-3-1963	0510—0530	10° 59' N	80° 08' E	60	0	27.62
						10	27.73
						20	27.21
						30	27.07
						50	25.96
1607	14-3-1963	0600—0620	10° 59' N	80° 02' E	45	0	27.50
						10	27.62
						20	27.29
						30	26.76
1608	14-3-1963	0655—0720	10° 53' N	79° 56' E	18	0	27.53
						10	27.21
1609	14-3-1963	0745—0800	10° 53' E	79° 54' N	13	0	27.88
						10	27.76
1610	14-3-1963	0825—0840	10° 52' N	79° 52' E	8	0	28.59
						5	28.54
1611	14-3-1963	0915—0935	10° 50' N	79° 57' E	18	0	27.28
						100	26.98
1612	14-3-1963	0955—1015	10° 49' N	80° 01' E	28	0	28.32
						10	27.15
						20	27.00
1613	14-3-1963	1055—1105	10° 49' N	80° 06' E	48	0	27.83
						10	27.82
						20	27.18
						30	26.94
1614	14-3-1963	1140—1215	10° 45' N	80° 10' E		0	28.30
						10	27.92
						20	27.66
						30	27.30
						50	25.77
1615	14-3-1963	1237—1305	10° 44' N	80° 14' E	180	75	23.63
						0	29.19
						10	27.82
						20	27.75
						30	27.43
						50	26.89

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.04	4.55	..	..	..	..
35.22	4.95	..	..	..	..
35.42	5.25	..	..	..	..
35.49	4.95	..	..	..	..
34.22	4.70	..	..	..	..
33.35	4.70	..	..	..	..
33.70	5.00	..	..	..	..
34.00	4.85	..	..	..	..
34.20	5.10	..	..	..	..
33.89	4.90	..	..	..	..
33.57	4.90	..	..	..	..
33.54	4.65	..	..	..	..
33.33	4.75	..	..	..	..
32.73	4.90	..	..	..	..
32.90	5.10	..	..	..	..
33.24	4.70	..	..	..	..
33.67	4.85	..	..	..	..
33.31	4.55	..	..	..	..
33.59	5.00	..	..	..	..
33.68	5.15	..	..	..	..
33.21	5.15	..	..	..	..
33.48	5.05	..	..	..	..
33.73	6.15	..	..	..	..
33.93	5.55	..	..	..	..
33.38	5.15	..	..	..	..
33.30	4.95	..	..	..	..
33.93	6.05	..	..	..	..
33.94	5.05	..	..	..	..
34.17	4.25	..	..	..	..
34.58	2.20	..	..	..	..
33.40	4.85	..	..	..	..
33.39	4.75	..	..	..	..
33.30	4.85	..	..	..	..
33.54	5.05	..	..	..	..
34.26	4.55	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	24.00
						100	19.50
						150	17.59
1616	14-3-1963	1345—1405	10° 42' N	80° 09' E	58	0	29.17
						10	27.80
						20	27.51
						30	26.95
						50	25.84
1617	14-3-1963	1441—1450	10° 39' N	80° 04' E	21	0	29.21
						10	27.75
1618	14-3-1963	1525—1540	10° 37' N	79° 59' E	14	0	29.40
						10	27.16
1619	14-3-1963	1610—1615	10° 36' N	79° 56' E	6	0	29.60
						4	29.27
1620	14-3-1963	1640—1655	10° 32' N	74° 57' E	8	0	29.35
						5	29.20
1621	14-3-1963	1730—1738	10° 32' N	80° 02' E	14	0	28.89
						10	28.24
1622	14-3-1963	1815—1830	10° 31' N	80° 07' E	24	0	28.56
						10	28.13
						20	26.89
1623	14-3-1963	1910—1925	10° 30' N	80° 12' E	60	0	28.18
						10	27.48
						20	26.40
						30	25.76
						50	25.26
1624	14-3-1963	2000—2035	10° 18' N	80° 18' E	110	0	28.06
						10	27.91
						20	27.42
						30	26.87
						50	25.75
						75	24.41
						100	19.80

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.29	4.70	..	..	..	..
34.54	3.45	..	..	..	..
34.99	0.80	..	..	..	..
33.18	4.95	..	..	..	..
33.27	5.00	..	..	..	..
33.86	5.00	..	..	..	..
33.99	4.85	..	..	..	..
34.18	4.55	..	..	..	..
32.96	4.85	..	..	..	..
33.09	5.05	..	..	..	..
33.09	5.15	..	..	..	..
33.54	5.05	..	..	..	..
33.09	4.75	..	..	..	..
33.00	4.70	..	..	..	..
32.96	4.85	..	..	..	..
32.96	5.45	..	..	..	..
33.09	4.85	..	..	..	..
33.00	5.05	..	..	..	..
33.05	5.00	..	..	..	..
32.91	6.40	..	..	..	..
34.17	4.95	..	..	..	..
33.36	5.00	..	..	..	..
33.63	4.90	..	..	..	..
33.95	5.00	..	..	..	..
34.09	4.95	..	..	..	..
34.31	4.20	..	..	..	..
33.18	..	..	..	..	..
33.27	5.75	..	..	..	..
33.86	4.90	..	..	..	..
34.04	5.45	..	..	..	..
34.04	4.70	..	..	..	..
34.31	3.80	..	..	..	..
34.85	1.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1625	14-3-1963	2100—2140	10° 28' N	80° 23' E	150	0	28.50
						10	28.04
						20	27.90
						30	26.99
						50	26.57
						75	23.75
100	21.61						
1626	14-3-1963	2215—2245	10° 25' N	80° 18' E	90	0	27.78
						10	27.82
						20	27.40
						30	27.00
						50	25.11
75	21.92						
1627	14-3-1963	2320—2335	10° 22' N	80° 14' E	33	0	28.05
						10	28.12
						20	26.52
						30	26.19
1628	15-3-1963	0015—0030	10° 18' N	80° 10' E	16	0	28.30
						4	28.25
1629	15-3-1963	0103—0123	10° 15' N	80° 05' E	13	0	28.30
						5	28.30
1630	15-3-1963	0145—0200	10° 12' N	80° 00' E	8	0	28.46
						5	28.66
1631	18-3-1963	0725—0730	09° 18' N	79° 08' E	5	0	28.56
1632	18-3-1963	0810—0850	09° 21' N	79° 06' E	8	0	28.40
						5	28.47
1633	18-3-1963	0925—0940	09° 26' N	79° 04' E	8	0	28.68
						5	28.74
1634	18-3-1963	1015—1050	09° 30' N	79° 01' E	6	0	28.80
						4	28.22
1635	18-3-1963	1125—1140	09° 31' N	79° 06' E	8	0	28.80
						5	28.63

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.23	5.80	..	..	..	..
33.18	5.50	..	..	..	..
33.32	5.40	..	..	..	..
33.95	4.70	..	..	..	..
33.13	4.95	..	..	..	..
34.67	2.30	..	..	..	..
34.76	2.15	..	..	..	..
33.14	5.15	..	..	..	..
33.14	5.20	..	..	..	..
33.93	5.75	..	..	..	..
34.04	5.50	..	..	..	..
34.29	4.10	..	..	..	..
34.72	2.20	..	..	..	..
33.19	5.50	..	..	..	..
33.13	5.05	..	..	..	..
33.95	5.20	..	..	..	..
34.31	4.85	..	..	..	..
33.12	5.35	..	..	..	..
33.05	5.40	..	..	..	..
32.97	5.10	..	..	..	..
32.94	5.25	..	..	..	..
33.08	5.40	..	..	..	..
33.06	5.20	..	..	..	..
31.74	4.75	..	..	..	..
30.26	4.92	..	..	..	..
30.26	4.76	..	..	..	..
30.26	..	..	..	..	..
30.08	4.65	..	..	..	..
29.29	4.81	..	..	..	..
29.99	3.91	..	..	..	..
29.99	4.51	..	..	..	..
30.08	4.58	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1636	18-3-1963	1210—1235	09° 32' N	79° 11' E	9	0 5	28.78 28.61
1637	18-3-1963	1335—1345	09° 24' N	79° 12' E	9	0 5	28.35 28.49
1638	18-3-1963	1420—1445	09° 23' N	79° 17' E	10	0 5	28.80 28.59
1639	18-3-1963	1525—1538	09° 21' N	79° 29' E	11	0 5 10	29.20 29.05 28.78
1640	18-3-1963	1615—1640	09° 19' N	79° 28' E	11	0 5 10	28.30 29.19 28.41
1641	18-3-1963	1703—1714	09° 18' N	79° 32' E	10	0 5	28.90 29.10
1642	18-3-1963	1748—1825	09° 23' N	79° 33' E	11	0 5 10	28.80 28.89 28.48
1643	18-3-1963	1855—1908	09° 28' N	79° 34' E	12	0 5 10	28.40 28.56 28.28
1644	18-3-1963	1945—2015	09° 29' N	79° 30' E	12	0 5 10	28.50 28.62 28.41
1645	18-3-1963	2050—2105	09° 30' N	79° 25' E	11	0 5 10	28.50 28.67 28.68
1646	18-3-1963	2140—2230	09° 32' N	79° 20' E	11	0 5 10	28.60 28.73 28.50
1647	18-3-1963	2307—2322	09° 34' N	79° 15' E	10	0 5	28.80 28.77

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
30.44	4.56	..	..	..	..
30.44	4.48	..	..	..	..
30.44	4.45	..	..	..	..
30.44	4.45	..	..	..	..
30.96	4.58	..	..	..	..
30.87	4.61	..	..	..	..
31.32	4.20	..	..	..	..
31.50	4.35	..	..	..	..
31.51	4.30	..	..	..	..
31.14	4.61	..	..	..	..
31.14	4.61	..	..	..	..
31.14	4.43	..	..	..	..
31.05	4.51	..	..	..	..
31.05	4.33	..	..	..	..
30.78	4.40	..	..	..	..
30.26	4.63	..	..	..	..
30.87	5.05	..	..	..	..
30.78	4.53	..	..	..	..
30.87	4.99	..	..	..	..
30.87	4.38	..	..	..	..
31.14	5.07	..	..	..	..
31.14	5.15	..	..	..	..
31.14	4.69	..	..	..	..
31.23	4.92	..	..	..	..
31.14	4.66	..	..	..	..
31.32	4.04	..	..	..	..
31.50	4.61	..	..	..	..
31.32	4.87	..	..	..	..
31.41	4.48	..	..	..	..
31.32	4.84	..	..	..	..
31.41	4.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1648	19-3-1963	2400—0015	09° 36' N	79° 10' E	10	0 5	28.40 28.56
1649	19-3-1963	0055—0105	09° 38' N	79° 05' E	7	0 5	28.60 28.68
1650	19-3-1963	0130—0156	09° 39' N	79° 01' E	5	0 3	28.50 28.85
1651	19-3-1963	0240—0250	09° 41' N	79° 05' E	8	0 5	28.42 28.50
1652	19-3-1963	0320—0345	09° 44' N	79° 09' E	9	0 5	28.72 28.73
1653	19-3-1963	0407—0415	09° 43' N	79° 12' E	9	0 5	28.63 28.73
1654	19-3-1963	0456—0525	09° 41' N	79° 17' E	10	0 5	28.30 28.41
1655	19-3-1963	0600—0615	09° 40' N	79° 23' E	12	0 5 10	28.20 28.31 28.30
1656	19-3-1963	0655—0725	09° 38' N	79° 28' E	12	0 5 10	28.10 28.13 28.14
1657	19-3-1963	0800—0818	09° 36' N	79° 32' E	13	0 5 10	28.40 28.42 28.43
1658	19-3-1963	0910—0930	09° 40' N	79° 35' E	14	0 5 10	28.28 28.29 28.24
1659	19-3-1963	0955—1005	09° 44' N	79° 34' E	10	0 5	28.41 28.44
1660	19-3-1963	1040—1125	09° 46' N	79° 35' E	12	0 5 10	28.78 28.55 28.44

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
30.17	4.07	..	..	..	..	..
30.17	4.53	..	..	..	..	..
29.81	4.51	..	..	..	..	..
29.81	4.51	..	..	..	..	..
29.38	4.61	..	..	..	..	..
29.29	4.40	..	..	..	..	..
29.90	4.43	..	..	..	..	..
29.81	4.49	..	..	..	..	..
30.60	4.81	..	..	..	..	..
30.69	4.84	..	..	..	..	..
31.05	4.61	..	..	..	..	..
30.96	4.89	..	..	..	..	..
30.87	4.30	..	..	..	..	..
31.14	4.40	..	..	..	..	..
31.32	4.56	..	..	..	..	..
31.14	5.43	..	..	..	..	..
30.96	4.63	..	..	..	..	..
31.14	4.66	..	..	..	..	..
31.32	5.15	..	..	..	..	..
31.23	5.07	..	..	..	..	..
31.44	4.48	..	..	..	..	..
31.83	4.89	..	..	..	..	..
31.83	4.53	..	..	..	..	..
32.01	4.87	..	..	..	..	..
31.92	4.94	..	..	..	..	..
31.83	4.99	..	..	..	..	..
32.01	4.38	..	..	..	..	..
32.01	4.43	..	..	..	..	..
32.10	5.05	..	..	..	..	..
32.01	4.76	..	..	..	..	..
31.92	4.63	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1661	19-3-1963	1200—1215	09° 47' N	79° 28' E	11	0 5 10	29.30 28.45 28.26
1662	19-3-1963	1255—1320	09° 49' N	79° 23' E	10	0 5	29.46 28.43
1663	19-3-1963	1355—1405	09° 51' N	79° 18' E	10	0 5	29.70 28.73
1664	19-3-1963	1440—1500	09° 52' N	79° 13' E	5	0	28.76
1665	19-3-1963	1555—1600	09° 57' N	79° 19' E	5	0	29.70
1666	19-3-1963	1640—1655	09° 57' N	79° 24' E	7	0 5	29.54 29.26
1667	19-3-1963	1732—1745	09° 59' N	79° 29' E	7	0 5	29.80 29.83
1668	19-3-1963	1820—1840	09° 57' E	79° 35' E	10	0 5	29.44 29.44
1669	19-3-1963	1920—1930	09° 57' N	79° 39' E	10	0 5	28.92 28.90
1670	19-3-1963	2010—2045	09° 55' N	79° 43' E	10	0 5	28.60 28.67
1671	19-3-1963	2130—2140	10° 00' N	79° 47' E	9	0 5	28.70 28.88
1672	19-3-1963	2215—2240	10° 04' N	79° 50' E	9	0 5	28.55 28.65
1673	19-3-1963	2315—2330	10° 06' N	79° 46' E	9	0 5	28.70 28.55
1674	20-3-1963	0008—0020	10° 08' N	79° 41' E	8	0 5	28.55 28.70
1675	20-3-1963	0112—0122	10° 09' N	79° 36' E	8	0 5	28.50 28.59

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
31.41	4.53	..	..	..	..
31.41	4.61	..	..	..	..
31.32	4.69	..	..	..	..
30.96	4.51	..	..	..	..
31.14	4.66	..	..	..	..
31.50	4.35	..	..	..	..
31.54	4.20	..	..	..	..
31.83	4.87	..	..	..	..
32.01	4.74	..	..	..	..
31.92	4.97	..	..	..	..
32.19	4.84	..	..	..	..
32.10	5.17	..	..	..	..
32.19	5.05	..	..	..	..
32.46	4.89	..	..	..	..
32.46	4.63	..	..	..	..
32.28	4.81	..	..	..	..
32.46	4.66	..	..	..	..
32.46	4.71	..	..	..	..
32.46	4.51	..	..	..	..
32.62	4.63	..	..	..	..
32.80	4.63	..	..	..	..
32.80	4.56	..	..	..	..
32.28	4.43	..	..	..	..
32.73	4.66	..	..	..	..
32.55	4.43	..	..	..	..
32.55	4.71	..	..	..	..
32.55	4.56	..	..	..	..
32.46	4.12	..	..	..	..
32.37	4.51	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1676	20-3-1963	0200—0256	10° 11' N	79° 31' E	8	0 5	28.52 28.56
1677	20-3-1963	0334—0345	10° 13' N	79° 27' E	8	0 5	28.65 28.75
1678	20-3-1963	0430—0455	10° 15' N	79° 22' E	6	0 5	28.70 28.85
1679	20-3-1963	0610—0620	10° 02' N	79° 22' E	7	0 5	28.70 28.69
1680	20-3-1963	0700—0730	10° 02' N	79° 24' E	8	0 5	28.58 28.68
1681	20-3-1963	0800—0820	10° 01' N	79° 29' E	10	0 5	28.60 28.68
1682	9-4-1963	0715—	08° 24' N	76° 48' E	45	..	..
1683	9-4-1963	1115—	08° 19' N	76° 54' E	52	..	..
1684	9-4-1963	1205—	08° 20' N	76° 59' E	38	..	..
1685	9-4-1963	1242—	08° 16' N	76° 57' E	50	..	..
1686	9-4-1963	1325—	08° 15' N	77° 02' E	43	..	..
1687	9-4-1963	—	08° 16' N	77° 07' E	24	..	..
1688	10-4-1963	0200—	08° 11' N	77° 01' E	55	..	..
1689	10-4-1963	0830—	08° 09' N	77° 02' E	45	..	..
1690	10-4-1963	1125—	08° 04' N	76° 54' E	66	..	..
1691	10-4-1963	1250—	07° 58' N	76° 46' E	142	..	..
1692	10-4-1963	1430—	07° 57' N	76° 43' E	190	..	..
1693	10-4-1963	1630—	07° 53' N	76° 44' E	190	..	..
1694	10-4-1963	1812—	07° 58' N	76° 54' E	63	..	..

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
32.01	4.53	..	..	..	..
31.92	4.92	..	..	..	..
31.54	4.66	..	..	..	..
31.58	4.76	..	..	..	..
30.96	4.66	..	..	..	..
30.96	4.58	..	..	..	..
31.41	4.76	..	..	..	..
31.23	4.89	..	..	..	..
32.28	4.99	..	..	..	..
32.19	4.61	..	..	..	..
32.37	5.15	..	..	..	..
32.37	4.69	..	..	..	..
..	..	..	..	..	Z-1:38-0	
..	..	..	..	..	Z-1:45-0	
..	..	..	..	..	Z-1:30-0	
..	..	..	..	..	Z-1:42-0	
..	..	..	..	..	Z-1:36-0	
..	..	..	..	..	Z-1:18-0	
..	..	..	..	..	Z-1:50-0	
..	..	..	..	..	Z-1:45-0	
..	..	..	..	..	Z-1:60-0	
..	..	..	..	..	Z-1:135-0	
..	..	..	..	..	Z-2: ¹⁰⁰⁻⁰ ₁₈₀₋₀	
..	..	..	..	..	Z-1:180-0	
..	..	..	..	..	Z-1:60-0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp °C
			Lat.	Long.			
1695	10-4-1963	1935—	08° 03' N	77° 02' E	53	..	..
1696	10-4-1963	2340—	08° 08' N	77° 10' E	40	..	..
1697	11-4-1963	1125—1140	08° 04' N	77° 30' E	18	0	29.34
						10	29.36
						15	29.41
1698	11-4-1963	1250—1350	07° 57' N	77° 21' E	45	..	..
1699	11-4-1963	1415—1435	07° 51' N	77° 13' E	57	0	29.20
						10	29.15
						20	29.10
						30	29.00
						50	..
1700	11-4-1963	1540—1555	07° 46' N	77° 05' E	72	..	..
1701	11-4-1963	1542—1550	07° 46' N	77° 05' E	92	0	29.27
						10	29.49
						20	29.59
						30	29.39
						50	28.11
						90	23.46
1702	11-4-1963	1810—1825	07° 34' N	76° 47' E	212	..	..
1703	11-4-1963	2025—2100	07° 48' N	75° 43' E	330	0	28.80
						10	30.00
						20	29.91
						30	29.71
						50	28.27
						75	27.21
						100	25.32
150	17.79						
200	14.53						
1704	11-4-1963	2230—	08° 00' N	76° 38' E	600	..	..

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
..	..	..	..	..	Z-1:45-0	
..	..	..	..	..	Z-1:35-0	
33.98	..	..	..	B.T. 0-18	Z-1:12-0	
33.96	..	..	..	..	..
33.95	..	..	..	..	..
..	..	..	..	..	Z-1:38-0	
34.16	4.55	..	..	B.T. 0-55	Z-1:50-0	
34.17	4.35	..	..	..	..
34.10	4.55	..	..	..	..
34.10	4.45	..	..	..	..
34.17	4.40	..	..	..	..
..	..	..	..	..	Z-1:65-0	
34.30	4.40	..	..	..	Z-1:90-0	
34.30	4.55	..	..	0-90	..	
34.28	4.40	..	..	..	..
34.30	4.20	..	..	..	..
34.65	4.60	..	..	..	..
34.81	4.40	..	..	..	..
35.42	2.05	..	..	..	..
..	..	..	..	..	Z-1:210-0	
34.17	4.50	..	..	B.T. 0-250	Z-1:200-0	
34.12	4.40	..	..	..	..
34.05	4.45	..	..	..	..
34.21	4.50	..	..	..	..
34.61	4.55	..	..	..	..
35.46	3.75	..	..	..	..
35.54	2.70	..	..	..	..
35.12	0.80	..	..	..	..
..	
..	..	..	..	..	Z-1:200-0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp °C
			Lat.	Long.			
1705	12-4-1963	0010—0030	08° 14' N	76° 46' E	77	0	29.87
						10	30.10
						20	29.72
						30	29.25
						50	28.66
75	27.66						
1706	12-4-1963	0330—	08° 17' N	76° 50' E	60	..	..
1707	12-4-1963	0720—0735	08° 20' N	76° 55' E	45	0	29.21
						10	29.56
						20	29.51
						30	29.27
40	28.99						
1708	12-4-1963	0800—0810	08° 22' N	76° 58' E	22	..	..
1709	12-4-1963	0900—0925	08° 23' N	76° 53' E	42	..	..
1710	12-4-1963	0925—0950	08° 26' N	76° 54' E	36	..	..
1711	12-4-1963	1040—1055	08° 25' N	76° 51' E	45	..	..
1712	12-4-1963	1120—1135	08° 26' N	76° 47' E	52	0	30.30
						10	30.13
						20	30.07
						30	30.04
50	28.46						
1713	12-4-1963	1400—	08° 36' N	76° 46' E	22	..	..
1714	12-4-1963	1545—	08° 46' N	76° 35' E	32	..	..
1715	18-4-1963	0655—0705	08° 52' N	76° 33' E	18	0	30.89
						10	27.57
1716	18-4-1963	0820—0845	08° 47' N	76° 23' E	50	0	29.95
						10	30.00
						20	29.61
						30	29.43

S ^o / _{oo}	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.10	4.50	..	..	B.T. 0-76	Z-1:70-0	
34.24	4.50	..	..	..	..
34.19	4.45	..	..	..	..
34.40	4.60	..	..	..	..
34.47	4.55	..	..	..	..
34.84	4.45	..	..	..	..
..	..	..	..	..	Z-1:50-0	
34.05	4.45	..	..	B.T. 0-45	Z-1:38-0	
34.02	4.55	..	..	..	..
33.95	4.55	..	..	..	..
34.07	4.35	..	..	..	..
34.14	4.30	..	..	..	..
..	..	..	..	..	Z-1:18-0	
..	..	..	..	..	Z-1:35-0	
..	..	..	..	..	Z-1:30-0	
..	..	..	..	..	Z-1:38-0	
34.03	4.45	..	..	B.T. 0-50	Z-1:43-0	
34.10	4.45	..	..	..	..
34.14	4.45	..	..	..	..
34.19	4.45	..	..	..	..
34.30	4.05	..	..	..	..
..	..	..	..	..	Z-1:15-0	
..	..	..	..	..	Z-1:30-0	
34.05	3.40	..	..	..	Z-1:10-0	
34.08	3.70	..	..	..	..
34.05	..	..	..	..	Z-2:30-0	
34.06	..	..	..	..	40-0	
34.13	..	..	..	..	..
34.26	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1717	18-4-1963	0955—1045	08° 41' N	76° 15' E	104	0	29.75
						10	29.86
						20	29.47
						30	28.80
						50	28.17
						75	26.88
						100	22.65
1718	18-4-1963	1200—1330	08° 36' N	76° 00' E	800	0	30.45
						10	30.20
						20	29.99
						30	28.59
						50	27.88
						75	26.87
						100	22.11
						150	17.62
						200	14.91
						300	12.06
						400	..
						500	..
600	10.69						
700	9.78						
1719	18-4-1963	1435—	08° 30' N	75° 58' E	1100	0	30.58
						10	30.26
						20	29.27
						30	28.55
						50	27.99
						75	25.72
						100	22.31
						150	16.77
						200	14.80
						300	12.19
						400	11.19
						500	10.33
600	9.54						
700	8.91						
800	8.04						
1000	..						
1720	18-4-1963	1720—1920	08° 24' N	75° 48' E	1250	0	30.22
						10	30.20

S ^o / _{oo}	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.64	4.65	..	..	..	Z-5:30-0	
34.15	4.45	..	..	..	50-0	
34.56	4.65	..	..	..	75-0	
34.38	4.60	..	..	..	95-0(2)	
34.96	4.50	..	..	..	..
34.85	4.10	..	..	..	..
35.33	1.85	..	..	..	..
33.83	..	..	..	B.T. 0-250	Z-1:200-0	
33.96	..	..	..	..	..
34.00	..	..	..	..	..
34.71	..	..	..	..	..
35.37	..	..	..	..	..
35.66	..	..	..	..	..
35.37	..	..	..	..	..
35.07	..	..	..	..	..
35.08	..	..	..	..	..
35.12	..	..	..	..	..
35.14	..	..	..	..	..
35.17	..	..	..	..	..
35.17	..	..	..	..	..
35.08	..	..	..	..	..
33.90	4.85	..	..	..	Z-7:30-0	
33.85	4.85	..	..	..	50-0	
34.22	4.80	..	..	..	75-0	
34.70	4.50	..	..	..	100-0	
35.57	4.30	..	..	..	200-0(3)	
35.43	2.90	..	..	..	..
35.31	2.30	..	..	..	..
35.10	1.40	..	..	..	..
35.15	1.25	..	..	..	..
35.17	0.85	..	..	..	..
35.28	0.70	..	..	..	..
35.14	0.70	..	..	..	..
35.05	0.75	..	..	..	..
35.10	0.70	..	..	..	..
35.07	0.65	..	..	..	..
34.98	0.90	..	..	..	..
34.14	..	..	..	B.T. 0-250	Z-5:30-0	
34.14	..	..	..	..	50-0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	30.09
						30	28.69
						50	28.30
						75	26.50
						100	23.25
						150	16.59
						200	14.40
						300	12.34
						400	11.18
						500	10.44
						600	9.66
						700	..
						800	8.45
						1000	7.13
						1200	5.74
1721	18-4-1963	2040—2215	08° 19' N	75° 41' E	1460	0	30.42
						10	30.22
						20	29.76
						30	28.57
						50	28.03
						75	27.02
						100	21.93
						150	16.94
						200	15.67
						300	11.97
						400	11.02
						500	10.38
						600	9.60
						700	8.96
						800	8.24
						1000	7.22
						1200	..
1722	19-4-1963	1435—1700	06° 41' N	77° 32' E	2400	0	30.64
						10	29.53
						20	29.00
						30	28.66
						50	27.72
						75	25.55
						100	22.84
						150	16.54

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.21	..	..	..	..	75—0	
34.49	..	..	..	..	200—0(2)	
35.35	..	..	..	..	..
35.72	..	..	..	..	..
35.41	..	..	..	..	..
35.21	..	..	..	..	..
35.05	..	..	..	..	..
35.26	..	..	..	..	..
35.11	..	..	..	..	..
35.18	..	..	..	..	..
35.12	..	..	..	..	..
35.18	..	..	..	..	..
35.11	..	..	..	..	..
34.98	..	..	..	..	..
34.95	..	..	..	..	..
34.03	4.45	..	..	B.T. 0.250	Z—7:30—0	
34.28	4.70	..	..	..	50—0	
34.30	4.95	..	..	..	75—0	
34.37	4.35	..	..	..	100—0(2)	
35.42	4.20	..	..	..	200—0(2)	
35.90	3.45	..	..	..	..
35.39	1.60	..	..	..	..
35.21	0.70	..	..	..	..
35.12	0.55	..	..	..	..
35.19	0.70	..	..	..	..
35.21	0.65	..	..	..	..
35.19*	0.60	..	..	..	..
35.05	0.65	..	..	..	..
35.21	0.65	..	..	..	..
35.11	0.70	..	..	..	..
35.19	0.55	..	..	..	..
35.18	0.60	..	..	..	..
34.12	3.55	..	..	..	Z—10:0(3)	
34.14	4.80	..	..	..	30—0	
34.16	4.50	..	..	..	50—0	
34.19	4.50	..	..	..	75—0	
					100—0	
34.57	4.40	..	..	..	150—0	
35.14	2.70	..	..	..	200—0(2)	
35.28	1.60	..	..	..	..
35.04	0.65	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						200	..
						300	14.19
						400	10.86
						500	10.21
						600	9.58
						700	8.41
						800	7.78
						1000	6.56
						1200	5.74
						1500	4.43
						1800	3.38
						2000	2.88
1723	19-4-1963	1808—2010	06° 57' N	77° 32' E	2280	0	30.30
						10	29.66
						20	29.32
						30	28.67
						50	27.50
						75	25.76
						100	20.93
						150	..
						200	..
						300	12.48
						400	11.11
						500	9.88
						600	9.00
						700	8.14
						800	7.62
						1000	6.50
						1200	5.69
						1500	4.41
						1800	..
						2000	2.83
1724	19-4-63	2115—2315	07° 02' N	77° 32' E	1560	0	29.90
						10	29.81
						20	29.34
						30	28.81
						50	29.25
						75	27.46
						100	..
						150	19.04

S ^o / _∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
..	1.80	..	..	..	..
35.04	0.60	..	..	..	..
35.04	0.35	..	..	..	..
35.11	0.60	..	..	..	..
35.09	0.55	..	..	..	..
35.04	0.60	..	..	..	..
35.00	0.75	..	..	..	..
35.05	1.00	..	..	..	..
35.00	1.55	..	..	..	..
34.81	1.80	..	..	..	..
34.83	2.15	..	..	..	..
34.77	2.50	..	..	..	..
34.12	..	..	..	..	Z--6:30--0	
34.09	..	..	..	..	50--0	
34.05	..	..	..	..	75--0	
					100--0	
34.12	..	..	..	..	200--0(2)	
34.55	..	..	..	..	P--1:0	
35.21	..	..	..	..	..
35.07	..	..	..	..	..
35.00	..	..	..	..	..
35.00	..	..	..	..	..
35.12	..	..	..	..	..
34.97	..	..	..	..	..
35.07	..	..	..	..	..
35.00	..	..	..	..	..
35.25	..	..	..	..	..
35.18	..	..	..	..	..
34.97	..	..	..	..	..
34.06	..	..	..	..	..
34.87	..	..	..	..	..
34.78	..	..	..	..	..
..	
34.05	4.70	..	..	..	Z--7:0	
34.19	4.40	..	..	..	30--0	
34.10	4.40	..	..	..	50--0	
					75--0	
34.09	4.70	..	..	..	100--0	
34.09	4.65	..	..	..	200--0(2)	
34.44	4.05	..	..	..	..
35.25	1.90	..	..	..	..
35.05	0.80	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						200	15.25
						300	11.78
						400	10.72
						500	9.77
						600	9.40
						700	..
						800	8.11
						1000	6.86
						1200	5.85
						1500	..
1725	20-4-1963	0025—0130	07° 12' N	77° 32' E	280	0	29.70
						10	29.83
						20	29.57
						30	28.68
						50	26.95
						75	24.74
						100	20.99
						150	..
						200	14.92
1726	20-4-1963	0240—0325	07° 22' N	77° 32' E	175	0	29.50
						10	29.55
						20	29.58
						30	28.62
						50	27.88
						75	28.04
						100	21.15
						150	17.62
1727	20-4-1963	0430—0515	07° 32' N	77° 32' E	93	0	29.12
						10	29.57
						20	29.50
						30	29.06
						50	27.77
						75	25.62
1728	20-4-1963	0625—0650	07° 42' N	77° 32' E	56	0	29.33
						10	29.57
						20	29.45
						30	29.40
						50	27.70

S ^o / _∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.97	0.60	..	..	..	..
35.09	0.95	..	..	..	..
35.07	0.85	..	..	..	..
35.00	0.60	..	..	..	..
35.12	0.60	..	..	..	..
35.16	0.65	..	..	..	..
35.12	0.75	..	..	..	..
35.07	0.50	..	..	..	..
34.94	1.30	..	..	..	..
34.99	0.60	..	..	..	..
34.85	..	..	..	..	..
34.01	..	..	..	..	Z-5:30-0	
34.02	..	..	..	..	50-0	
34.02	..	..	..	..	75-0	
34.54	..	..	..	..	100-0	
35.09	..	..	..	..	200-0	
35.05	..	..	..	..	P-1:0	
..	
..	
33.93	4.65	..	..	..	Z-5:30-0	
33.95	4.70	..	..	..	50-0	
33.97	4.65	..	..	..	75-0	
34.01	4.65	..	..	..	100-0	
34.33	4.55	..	..	..	150-0	
35.19	2.95	..	..	..	P-1:0	
34.96	1.35	..	..	..	..
34.94	0.75	..	..	..	..
34.03	..	..	..	..	Z-4:30-0	
34.00	..	..	..	..	50-0	
34.02	..	..	..	..	75-0	
34.02	..	..	..	..	90-0	
34.45	..	..	..	..	P-1:0	
35.10	..	..	..	..	..
34.02	4.65	..	..	..	Z-3:30-0	
33.99	4.30	..	..	..	50-0	
34.04	4.50	..	..	..	55-0	
34.09	4.40	..	..	..	P-1:0	
34.57	4.15	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1729	20-4-1963	0800—0820	07° 52' N	77° 32' E	45	0	29.44
						10	29.50
						20	29.30
						30	28.48
1730	20-4-1963	0945—1015	08° 03' N	77° 33' E	24	0	29.15
						10	29.02
						20	28.34
1731	..	..	..	..	..	..	..
1732	20-4-1963	2045—2130	08° 08' N	76° 36' E	220	0	30.39
						10	29.60
						20	29.41
						30	28.18
						50	28.80
						75	27.09
						100	21.69
						150	18.29
200	14.83						
1733	21-4-1963	0405—0500	08° 57' N	76° 00' E	280	0	30.00
						10	30.13
						20	30.04
						30	29.75
						50	28.18
						75	26.38
						100	22.97
						150	18.40
200	15.36						
1734	21-4-1963	0845—0935	09° 22' N	75° 51' E	200	0	30.05
						10	30.07
						20	30.02
						30	28.92
						50	28.41
						75	26.77
						100	22.43
150	17.69						
1735	21-4-1963	1445—	09° 41' N	75° 03' E	2400	0	31.00
						10	30.48
						20	30.42
						30	29.11

S ^o /‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.02	..	..	..	..	Z—2:30—0	
33.99	..	..	..	..	40—0	
34.13	..	..	..	..	P—1:0	
34.16	..	..	..	..	..
34.13	4.25	..	..	..	P—1:0	
34.11	..	..	..	..	..
34.25	3.90	..	..	..	..
..	..	..	..	..	Z—1:0	Plankton only
34.13	4.40	..	..	200	Z—1:200—0	
34.23	4.65	..	..	..	P—1:0	
34.27	4.70	..	..	..	..
34.23	4.35	..	..	..	..
34.53	2.05	..	..	..	..
35.50	4.40	..	..	..	..
35.13	1.50	..	..	..	..
34.98	0.90	..	..	..	..
35.07	0.70	..	..	..	..
34.18	4.90	..	..	250	Z—1:200—0	
34.15	4.95	..	..	..	..
34.12	4.65	..	..	..	..
34.15	4.70	..	..	..	..
35.12	4.40	..	..	..	..
35.66	1.45	..	..	..	..
35.37	1.90	..	..	..	..
35.08	0.90	..	..	..	..
35.17	0.95	..	..	..	..
34.12	4.60	..	..	180	Z—5:30—0	
34.06	4.50	..	..	..	50—0	
34.03	4.65	..	..	..	75—0	
34.49	4.55	..	..	..	100—0	
34.40	4.40	..	..	..	190—0	
33.76	3.40	..	..	..	P—1:0	
35.43	1.25	..	..	..	..
35.14	0.85	..	..	..	..
34.26	4.65	..	..	..	Z—5:30—0	
34.24	4.45	..	..	..	50—0	
34.18	4.40	..	..	..	100—0	
34.24	4.74	..	..	..	200—0(2)	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						50	29.25
						75	27.46
						100	23.37
						150	18.27
						200	14.65
						300	12.18
						400	10.85
						500	10.60
						600	9.78
						700	8.99
						800	8.24
						1000	6.96
						1200	5.90
						1500	4.55
						1800	..
						2000	2.84
1736	21-4-1963	1645—1900	09° 44' N	75° 13' E	2240	0	30.75
						10	30.35
						20	29.62
						30	27.70
						50	28.07
						75	27.17
						100	24.98
						150	18.12
						200	14.67
						300	12.30
						400	..
						500	10.60
						600	9.76
						700	9.10
						800	8.28
						1000	7.14
						1200	5.91
						1500	4.57
						1800	3.49
						2000	2.77
1737	21-4-1963	2015—2135	09° 46' N	75° 25' E	1460	0	31.25
						10	30.51
						20	30.24
						30	29.20
						50	28.26

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.85	4.35	..	..	..	P-1:0	
35.31	3.90	..	..	..	..
35.35	4.60	..	..	..	..
35.24	0.45	..	..	..	..
35.19	0.30	..	..	..	..
35.15	0.55	..	..	..	..
35.26	0.50	..	..	..	..
35.21	0.30	..	..	..	..
35.17	0.45	..	..	..	..
35.06	0.60	..	..	..	..
35.29	0.60	..	..	..	..
34.99	0.95	..	..	..	..
34.98	1.25	..	..	..	..
34.87	1.85	..	..	..	..
34.80	..	..	..	..	..
34.93	2.40	..	..	..	..
34.03	..	..	..	250	Z-6:30-0	
34.08	..	..	..	..	50-0	
34.19	..	..	..	..	75-0	
34.45	..	..	..	..	100-0	
34.80	..	..	..	..	200-0(2)	
35.38	..	..	..	..	P-1:0	
35.53	..	..	..	..	..
35.22	..	..	..	..	..
35.08	..	..	..	..	..
35.13	..	..	..	..	..
35.21	..	..	..	..	..
35.15	..	..	..	..	..
35.08	..	..	..	..	..
35.10	..	..	..	..	..
35.10	..	..	..	..	..
34.99	..	..	..	..	..
34.90	..	..	..	..	..
34.81	..	..	..	..	..
34.71	..	..	..	..	..
34.73	..	..	..	..	..
33.99	4.70	..	..	..	Z-6:30-0	
33.95	4.65	..	..	..	50-0	
33.99	4.10	..	..	..	75-0	
34.11	4.60	..	..	..	100-0	
34.48	4.00	..	..	..	200-0(2)	
		..	..	..	P-1:0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	27.61
						100	24.16
						150	18.61
						200	17.97
						300	12.69
						400	11.42
						500	10.68
						600	9.82
						700	8.91
						800	8.34
						1000	7.18
						1200	5.90
1738	21-4-1963	2250—2330	09° 49' N	75° 36' E	160	0	31.30
						10	30.66
						20	29.55
						30	29.14
						50	28.23
						75	27.70
						100	23.25
						150	17.79
1739	22-4-1963	0042—0110	09° 52' N	75° 48' E	64	0	30.40
						10	30.43
						20	29.97
						30	28.84
						50	28.36
1740	22-4-1963	0220—0250	09° 55' N	75° 57' E	40	0	30.50
						10	30.59
						20	29.49
						30	29.02
1741	22-4-1963	0400—0425	09° 57' N	76° 07' E	22	0	30.95
						10	31.11
						20	29.20
1742	25-4-1963	0540—0550	12° 47' N	74° 44' E	20	0	30.45
						10	30.53
1743	25-4-1963	0705—0725	12° 46' N	74° 34' E	46	0	30.40
						10	30.58
						20	30.51
						30	27.97

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.18	2.35	..	..	..	P—1:0	
35.57	2.00	..	..	..	..
35.45	0.50	..	..	..	..
34.55	..	..	..	..	..
35.15	0.40	..	..	..	..
35.17	0.50	..	..	..	..
35.20	0.35	..	..	..	..
35.11	0.50	..	..	..	..
35.06	0.50	..	..	..	..
35.08	0.60	..	..	..	..
34.96	0.95	..	..	..	..
34.88	1.30	..	..	..	..
34.06	..	..	..	..	Z—5:30—0	
34.00	..	..	..	..	50—0	
34.02	..	..	..	..	75—0	
34.13	..	..	..	..	100—0	
34.53	..	..	..	..	150—0	
35.17	..	..	..	..	P—1:0	
35.41	..	..	..	..	..
35.11	..	..	..	..	..
..	4.50	..	..	..	Z—3:30—0	
34.08	4.55	..	..	..	50—0(2)	
33.99	4.55	..	..	..	P—1:0	
34.16	4.50	..	..	..	..
34.39	4.40	..	..	..	..
34.17	..	..	..	..	Z—2:30—0(2)	
34.12	..	..	..	..	..
34.23	..	..	..	..	..
34.35	..	..	..	..	..
34.48	4.50	..	..	..	Z—1:15—0	
34.49	4.65	..	..	..	P—1:0	
34.42	4.65	..	..	..	..
34.63	..	..	..	..	..
34.61	..	..	..	..	..
34.43	5.15	..	..	..	Z—2:30—0(2)	
34.45	5.70	..	..	..	..
34.40	5.90	..	..	..	..
34.42	5.25	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1744	25-4-1963	0833—0845	12° 42' N	74° 24' E	66	0	30.30
						10	30.39
						20	30.43
						30	29.56
						50	28.49
1745	25-4-1963	0955—1010	12° 38' N	74° 15' E	118	0	30.60
						10	..
						20	30.35
						30	29.10
						50	..
1746	25-4-1963	1116—1245	12° 35' N	74° 05' E	760	75	27.33
						100	26.16
						0	..
						10	30.59
						20	30.06
						30	28.88
						50	28.14
						75	27.81
						100	25.22
						150	..
200	..						
300	..						
400	15.18						
500	12.65						
600	12.04						
700	11.65						
1747	25-4-1963	1355—1535	12° 32' N	73° 56' E	1300	0	30.80
						10	30.50
						20	29.36
						30	29.06
						50	28.10
						75	28.76
						100	27.62
						150	22.56
						200	16.04
						300	12.43
						400	11.56
						500	10.87
600	10.00						
700	9.17						
800	8.59						
1000	7.03						
1200	6.03						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.23	..	..	..	..	Z-2:50-0(2)	
34.29	..	..	..	..	..
34.34	..	..	..	..	..
34.85	..	..	..	..	..
35.62	..	..	..	..	..
34.18	5.20	..	..	..	Z-2:0	
34.20	5.35	..	..	..	100-0	
34.36	5.35	..	..	..	..
34.88	5.20	..	..	..	..
35.07	5.50	..	..	..	..
35.95	4.10	..	..	..	..
36.04	4.05	..	..	..	..
34.18	..	..	..	..	Z-7:0(2)	
34.25	..	..	..	..	50-0	
34.94	..	..	..	..	100-0	
35.08	..	..	..	..	150-0	
					200-0(2)	
35.34	..	..	..	..	..
35.44	..	..	..	..	..
36.04	..	..	..	..	..
35.23	..	..	..	..	..
35.23	..	..	..	..	..
35.24	..	..	..	..	..
35.19	..	..	..	..	..
35.14	..	..	..	..	..
35.19	..	..	..	..	..
35.14	..	..	..	..	..
34.43	5.05	..	..	..	Z-7:0	
34.38	5.20	..	..	..	30-0	
34.72	5.15	..	..	..	50-0	
35.07	5.30	..	..	..	75-0	
35.25	5.95	..	..	..	100-0	
35.17	5.35	..	..	..	200-0(2)	
35.84	4.95	..	..	..	..
35.64	1.50	..	..	..	..
35.23	0.65	..	..	..	..
35.25	0.70	..	..	..	..
35.17	0.70	..	..	..	..
35.26	0.70	..	..	..	..
35.21	0.65	..	..	..	..
35.30	0.95	..	..	..	..
35.20	0.75	..	..	..	..
35.01	1.30	..	..	..	..
34.97	1.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1748	25-4-1963	1645—1900	12° 29' N°	73° 46' E	1720	0	30.90
						10	30.47
						20	29.72
						30	28.68
						50	27.99
						75	26.95
						100	24.97
						150	..
						200	..
						300	13.69
						400	11.52
						500	10.96
						600	10.40
						700	9.28
						800	..
1000	7.50						
1200	6.50						
1500	..						
1749	26-4-1963	0045—0300	11° 40' N	73° 59' E	1250	0	30.60
						10	30.68
						20	30.44
						30	29.17
						50	28.18
						75	27.91
						100	28.57
						150	20.83
						200	17.00
						300	14.43
						400	..
						500	10.91
						600	10.27
						700	9.35
						800	8.88
1000	7.06						
1200	..						
1750	26-4-1963	0410—0630	11° 43' N	74° 09' E	1250	0	30.70
						10	30.64
						20	30.22
						30	29.50
						50	28.37
						75	27.60
						100	26.45

	S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.41	4.95	..	..	..	..	Z-7:0	
34.41	4.80	..	..	..	..	30-0	
34.84	5.15	..	..	..	..	50-0	
34.97	4.95	..	..	..	..	75-0	
35.31	4.50	..	..	..	..	100-0	
35.87	3.80	..	..	..	..	200-0(2)	
35.75	2.80	..	..	..	..	..
35.82	..	..	..	..	..	..
35.81	0.75	..	..	..	..	..
35.23	0.60	..	..	..	..	..
35.23	0.60	..	..	..	..	..
35.25	0.60	..	..	..	..	..
35.25	0.70	..	..	..	..	..
35.11	..	..	..	..	..	..
35.23	0.25	..	..	..	..	..
35.10	..	..	..	..	..	..
35.10	0.60	..	..	..	..	..
35.08	..	..	..	..	..	..
34.30	4.90	..	..	..	..	Z-6:0	
34.19	4.85	..	..	..	..	30-0	
34.26	5.00	..	..	..	..	50-0	
34.95	4.80	..	..	..	..	100-0	
35.26	4.95	..	..	..	..	200-0	
35.96	4.50	..	..	..	..	500-0	
35.99	4.50	..	..	..	..	P-1:0	
35.34	0.95	..	..	..	..	..
35.35	2.00	..	..	..	..	..
34.14	1.30	..	..	..	..	..
35.19	1.05	..	..	..	..	..
35.29	0.95	..	..	..	..	..
35.29	0.95	..	..	..	..	..
35.14	1.05	..	..	..	..	..
35.19	1.10	..	..	..	..	..
35.01	1.45	..	..	..	..	..
35.03	1.75	..	..	..	..	..
34.43	4.65	..	..	..	..	Z-7:0	
34.13	4.85	..	..	..	..	30-0	
34.32	5.05	..	..	..	..	40-0	
34.53	4.95	..	..	..	..	75-0	
35.01	4.90	..	..	..	..	100-0	
35.73	3.85	..	..	..	..	200-0(2)	
36.36	3.30	..	..	..	..	..

47-4 DCM/FRI/67

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						150	18.86
						200	17.60
						300	12.50
						400	11.41
						500	10.77
						600	10.06
						700	9.35
						800	8.65
						1000	7.39
						1200	6.15
1751	26-4-1963	0735—0920	11° 46' N	74° 19' E	1250	0	30.40
						10	30.62
						20	30.63
						30	30.31
						50	28.40
						75	27.68
						100	26.44
						150	18.18
						200	15.08
						300	12.41
						400	..
						500	10.86
						600	10.05
						700	9.42
						800	8.07
						1000	..
						1200	6.04
1752	26-4-1963	1025—1140	11° 48' N	74° 29' E	250	0	30.70
						10	30.80
						20	30.75
						30	29.49
						50	28.74
						75	28.05
						100	23.51
						150	19.07
						200	..
1753	26-4-1963	1300—1400	11° 57' N	74° 38' E	90	0	31.50
						10	30.78
						20	30.72
						30	30.61

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.14	4.70	..	..	..	..
..	
35.33	..	..	..	..	..
35.23	0.75	..	..	..	..
35.21	..	..	..	..	..
35.28	0.40	..	..	..	..
35.19	..	..	..	..	..
35.18	0.30	..	..	..	..
35.18	..	..	..	..	..
34.90	1.30	..	..	..	..
33.99	..	..	..	..	..
34.02	..	..	..	..	..
34.00	..	..	..	..	..
34.33	..	..	..	..	..
34.98	..	..	..	..	..
35.62	..	..	..	..	..
36.06	..	..	..	..	..
35.23	..	..	..	..	..
35.10	..	..	..	..	..
35.22	..	..	..	..	..
35.22	..	..	..	..	..
35.21	..	..	..	..	..
35.17	..	..	..	..	..
35.14	..	..	..	..	..
35.08	..	..	..	..	..
35.16	..	..	..	..	..
34.92	..	..	..	..	..
..	4.85	..	..	..	Z—14:0	
					30—0(2)	
33.99	5.00	..	..	..	50—0(2)	
34.05	4.90	..	..	..	75—0(2)	
34.26	5.10	..	..	..	100—0(2)	
34.75	4.65	..	..	..	200—0(4)	
35.09	3.85	..	..	..	..
35.67	1.65	..	..	..	..
35.20	0.60	..	..	..	..
34.98	0.50	..	..	..	..
33.95	..	..	..	..	Z—2:0	
33.94	..	..	..	..	75—0	
34.14	..	..	..	..	..
34.27	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						50	29.14
						75	27.72
1754	26-4-1963	1510—1535	11° 54' N	74° 47' E	60	0	31.10
						10	30.82
						20	30.70
						30	29.16
						50	28.26
1755	26-4-1963	1635—1645	11° 57' N	74° 57' E	50	0	30.90
						10	30.63
						20	30.60
						30	30.10
1756	26-4-1963	1755—1815	11° 58' N	75° 07' E	24	0	30.60
						10	30.30
						20	30.20
1757	26-4-1963	2315—2320	11° 15' N	75° 41' E	18	0	30.80
						10	30.81
1758	27-4-1963	0025—0050	11° 11' N	75° 31' E	750	0	30.70
						10	30.86
						20	30.84
						30	30.71
						50	28.23
1759	27-4-1963	0200—0225	11° 07' N	75° 21' E	52	0	30.60
						10	30.82
						20	29.97
						30	28.67
						50	27.82
1760	27-4-1963	0338—0405	11° 04' N	74° 11' E	83	0	..
						10	30.81
						20	30.80
						30	30.57
						50	28.37
						75	26.90
1761	27-4-1963	0518—0655	11° 01' N	75° 01' E	850	0	30.70
						10	30.83
						20	30.83
						30	29.08

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.01	..	..	..	..	..
35.19	..	..	..	..	..
34.03	..	..	..	..	Z-1:50-0	
34.12	..	..	..	..	..
34.40	..	..	..	..	..
34.36	..	..	..	..	..
35.10	..	..	..	..	..
34.16	4.80	..	..	..	Z-1:40-0	
34.07	5.00	..	..	..	..
34.42	5.40	..	..	..	..
34.45	4.70	..	..	..	..
34.23	..	..	..	..	..
34.29	..	..	..	..	..
34.43	..	..	..	..	..
34.60	..	..	..	..	..
34.51	..	..	..	..	..
34.34	..	..	..	..	Z-2:0	
34.40	..	..	..	..	40-0	
34.27	..	..	..	..	..
34.14	..	..	..	..	..
34.43	..	..	..	..	..
34.33	..	..	..	..	Z-2:0	
34.27	..	..	..	..	40-0	
34.29	..	..	..	..	..
34.18	..	..	..	..	..
34.60	..	..	..	..	..
34.25	4.65	..	..	..	Z-2:0	
35.20	4.55	..	..	..	75-0	
34.23	4.50	..	..	..	..
34.33	4.90	..	..	..	..
34.42	4.40	..	..	..	..
35.34	3.10	..	..	..	..
34.22	..	..	..	..	Z-7:0	
34.25	..	..	..	..	30-0	
34.22	..	..	..	..	50-0	
34.33	..	..	..	..	75-0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long			
						50	27.96
						75	27.25
						100	22.44
						150	17.46
						200	14.86
						300	12.42
						400	11.20
						500	10.27
						600	9.66
						700	8.80
						800	8.45
1762	27-4-1963	0805—0940	11° 00' N	74° 50' E	1250	0	31.00
						10	30.75
						20	30.69
						30	29.26
						50	28.07
						75	27.76
						100	24.56
						150	17.80
						200	14.71
						300	12.33
						400	..
						500	10.43
						600	9.75
						700	9.05
						800	8.46
						1000	..
						1200	6.16
1763	27-4-1963	1050—1207	10° 57' N	74° 40' E	1250	0	31.00
						10	30.85
						20	30.90
						30	28.54
						50	27.77
						75	27.26
						100	23.73
						150	17.13
						200	14.33
						300	12.30
						400	..
						500	10.62
						600	9.84
						700	8.96

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.58	..	..	..	..	100—0	
35.81	..	..	..	..	200—0(2)	
35.28	..	..	..	..	..
34.74	..	..	..	..	..
35.16	..	..	..	..	..
35.28	..	..	..	..	..
35.23	..	..	..	..	..
35.35	..	..	..	..	..
35.28	..	..	..	..	..
35.23	..	..	..	..	..
35.15	..	..	..	..	..
34.20	4.60	..	..	..	Z—6:30—0	
34.20	4.75	..	..	..	50—0	
34.16	4.65	..	..	..	75—0	
34.12	4.75	..	..	..	100—0	
34.86	4.20	..	..	..	200—0(2)	
35.53	3.95	..	..	..	..
35.68	2.30	..	..	..	..
35.21	0.80	..	..	..	..
35.14	..	..	..	..	..
35.22	..	..	..	..	..
35.25	1.40	..	..	..	..
35.21	..	..	..	..	..
35.15	0.95	..	..	..	..
35.76	..	..	..	..	..
35.09	1.05	..	..	..	..
35.19	..	..	..	..	..
34.94	1.55	..	..	..	..
34.22	..	..	..	..	Z—7:0	
34.17	..	..	..	..	30—0	
34.17	..	..	..	..	50—0	
34.31	..	..	..	..	75—0	
34.79	..	..	..	..	100—0	
35.57	..	..	..	..	200—0(2)	
35.58	..	..	..	..	..
35.12	..	..	..	..	..
35.14	..	..	..	..	..
35.16	..	..	..	..	..
35.19	..	..	..	..	..
35.21	..	..	..	..	..
35.16	..	..	..	..	..
35.13	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						800	8.54
						1000	9.19
						1200	5.96
1764	27-4-1963	1315—1440	10° 54' N	74° 30' E	1250	0	31.20
						10	30.86
						20	30.82
						30	29.95
						50	28.77
						75	28.06
						100	24.34
						150	16.90
						200	14.62
						300	12.35
						400	..
						500	0.63
						600	9.90
						700	9.18
						800	8.38
						1000	..
						1200	6.05
1765	7-5-1963	0310—0400	20° 00' N	72° 30' E	28	0	28.60
						10	28.81
						20	28.82
1766	7-5-1963	0548—0615	20° 00' N	72° 15' E	33	0	28.20
						10	28.27
						20	28.20
						30	28.10
1767	7-5-1963	0750—0805	20° 00' N	72° 00' E	30	0	27.90
						10	27.99
						20	27.96
1768	7-5-1963	0955—1015	20° 00' N	71° 45' E	30	0	35.58
						10	35.56
						20	35.58
1769	7-5-1963	1155—1210	20° 00' N	71° 31' E	36	0	27.90
						10	28.00
						20	27.75
						30	27.99

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.11	..	..	..	..	..
35.12	..	..	..	..	..
34.94	..	..	..	..	..
34.23	4.85	..	..	..	Z-7:0	
34.02	3.60	..	..	..	30-0	
34.09	4.45	..	..	..	50-0	
34.13	4.90	..	..	..	75-0	
34.94	4.55	..	..	..	100-0	
35.84	4.25	..	..	..	200-0(2)	
35.59	2.30	..	..	..	..
35.07	0.90	..	..	..	..
35.12	..	..	..	..	..
35.19	0.90	..	..	..	..
35.19	..	..	..	..	..
35.25	0.95	..	..	..	..
35.21	..	..	..	..	..
35.12	1.00	..	..	..	..
35.06	..	..	..	..	..
35.21	0.90	..	..	..	..
35.00	..	..	..	..	..
35.54	4.45	..	..	..	Z-1:20-0	
35.52	4.35	..	..	..	..
35.54	4.55	..	..	..	..
35.62	..	..	..	..	Z-1:20-0	
35.37	4.55	..	..	..	..
35.59	4.45	..	..	..	..
35.42	..	..	..	..	..
35.51	4.40	..	..	..	Z-1:25-0	
35.47	4.40	..	..	..	..
35.56	4.55	..	..	..	..
34.10	..	..	..	..	Z-1:25-0	
34.05	..	..	..	..	..
34.25	..	..	..	..	..
35.65	4.45	..	..	..	Z-1:30-0	
35.70	4.35	..	..	..	..
35.65	4.60	..	..	..	..
35.65	4.30	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1770	7-5-1963	1405—1430	20° 00' N	71° 15' E	38	0	28.20
						10	27.80
						20	27.59
						30	27.19
1771	7-5-1963	1620—1645	20° 00' N	71° 00' E	70	0	28.00
						10	27.79
						20	27.79
						30	27.68
1772	7-5-1963	1820—1845	20° 00' N	70° 45' E	70	0	28.30
						10	28.15
						20	28.09
						30	27.99
1773	7-5-1963	2025—2030	20° 00' N	70° 31' E	85	0	28.20
						10	28.21
						20	28.15
						30	28.00
1774	7-5-1963	2238—2310	20° 00' N	70° 17' E	95	0	28.40
						10	28.33
						20	28.26
						30	28.10
1775	8-5-1963	0048—0122	20° 00' N	70° 00' E	72	0	28.30
						10	28.61
						20	28.30
						30	28.07
1776	8-5-1963	0310—0340	20° 00' N	69° 45' E	82	0	28.70
						10	28.42
						20	28.40
						30	28.38
						50	27.84
						75	26.80

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.71	..	..	..	..	Z-1:25-0	
35.62	4.60	..	..	..	..
35.70	4.70	..	..	..	..
35.61	4.20	..	..	..	..
35.87	4.50	..	..	..	Z-1:60-0	
36.08	4.85	..	..	..	..
35.92	4.50	..	..	..	..
35.78	4.45	..	..	..	..
35.82	4.45	..	..	..	..
35.85	4.50	..	..	..	Z-1:65-0	
35.81	4.75	..	..	..	..
35.89	4.70	..	..	..	..
35.86	4.55	..	..	..	..
35.81	4.75	..	..	..	..
35.81	..	..	..	..	Z-1:80-0	
35.76	4.65	..	..	..	..
35.84	4.65	..	..	..	..
35.73	4.60	..	..	..	..
35.73	4.15	..	..	..	..
35.59	4.35	..	..	..	..
35.73	4.25	..	..	..	Z-1:90-0	
35.61	4.60	..	..	..	..
35.65	4.75	..	..	..	..
35.80	4.85	..	..	..	..
35.61	5.00	..	..	..	..
35.70	3.70	..	..	..	..
35.68	4.75	..	..	..	Z-1:60-0	
35.61	4.55	..	..	..	..
35.55	4.50	..	..	..	..
35.53	4.55	..	..	..	..
35.55	4.50	..	..	..	..
35.68	4.60	..	..	..	Z-1:75-0	
35.62	4.50	..	..	..	..
35.59	4.50	..	..	..	..
35.59	4.55	..	..	..	..
35.77	4.60	..	..	..	..
35.93	3.20	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1777	8-5-1963	0520—	20° 00' N	69° 30' E	290	0	28.61
						10	28.61
						20	27.90
						30	27.32
						50	26.85
						75	25.54
						100	20.82
						150	18.90
						200	17.04
1778	8-5-1963	0810—1010	20° 00' N	69° 15' E	1250	0	29.00
						10	28.91
						20	28.91
						30	28.71
						50	28.01
						75	26.09
						100	22.30
						150	20.10
						200	17.91
						300	15.24
						400	13.38
						500	12.38
						600	11.67
700	10.96						
800	10.13						
1000	8.79						
1779	8-5-1963	1735—1950	20° 56' N	68° 53' E	1250	0	27.80
						10	28.51
						20	28.74
						30	28.41
						50	27.10
						75	25.10
						100	23.52
						150	20.35
						200	17.52
						300	14.60
						400	13.13
						500	12.50
						600	11.67
700	10.95						
800	10.28						
1000	8.82						
1200	7.44						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.61	..	..	..	200	Z—1:200—0	
35.59	4.50	..	..	..	..
35.59	4.80	..	..	..	..
35.57	4.60	..	..	..	..
35.90	4.00	..	..	..	..
36.35	4.35	..	..	..	..
36.29	3.85	..	..	..	..
35.92	..	..	..	..	..
35.59	0.90	..	..	..	..
35.53	4.45	..	..	200	Z—1:200—0	
35.55	4.40	..	..	..	..
35.64	4.60	..	..	..	..
36.13	4.50	..	..	..	..
36.44	4.70	..	..	..	..
36.86	4.60	..	..	..	..
36.38	4.65	..	..	..	..
36.05	0.90	..	..	..	..
35.78	0.80	..	..	..	..
35.88	0.85	..	..	..	..
35.59	1.00	..	..	..	..
35.55	0.95	..	..	..	..
35.53	0.85	..	..	..	..
35.45	0.95	..	..	..	..
35.37	0.85	..	..	..	..
35.32	1.15	..	..	..	..
35.79	..	..	..	..	Z—1:200—0	
35.81	..	..	..	..	..
35.86	..	..	..	..	..
36.31	..	..	..	..	..
36.47	..	..	..	..	..
36.22	..	..	..	..	..
36.00	..	..	..	..	..
35.80	..	..	..	..	..
35.74	..	..	..	..	..
35.75	..	..	..	..	..
35.69	..	..	..	..	..
35.68	..	..	..	..	..
35.59	..	..	..	..	..
35.52	..	..	..	..	..
35.50	..	..	..	..	..
35.32	..	..	..	..	..
35.19	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1780	8-5-1963	2130—2200	21° 06' N	69° 03' E	90	0	28.60
						10	28.60
						20	28.30
						30	27.39
						50	26.82
75	26.20						
1781	8-5-1963	2335—2400	21° 16' N	69° 13' E	60	0	27.80
						10	27.90
						20	27.90
						30	27.09
						50	26.77
1782	9-5-1963	0130—0150	21° 27' N	16° 24' E	40	0	27.50
						10	27.51
						20	27.50
						30	27.20
1783	9-5-1963	0310—0330	21° 36' N	69° 34' E	30	0	28.30
						10	27.30
1784	9-5-1963	1025—1035	20° 52' N	70° 21' E	18	0	27.70
						10	27.49
1785	9-5-1963	1145—	20° 45' N	70° 15' E	42	0	27.60
						10	27.50
						20	27.36
						30	27.29
1786	9-5-1963	1310—1337	20° 37' N	70° 10' E	63	0	28.20
						10	27.95
						20	27.59
						30	27.47
						50	27.09
1787	9-5-1963	1445—1525	20° 29' N	70° 04' E	72	0	28.70
						10	28.59
						20	28.44
						30	28.26
						50	27.78
1788	9-5-1963	1745—	20° 20' N	69° 59' E	73	0	28.60
						10	28.69

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
36.22	4.90	..	..	..	Z-1:85-0	
35.81	4.75	..	..	..	..
36.15	4.85	..	..	..	..
36.01	5.05	..	..	..	..
36.15	5.30	..	..	..	..
36.24	4.25	..	..	..	..
36.08	4.80	..	..	..	Z-1:55-0	
36.02	4.85	..	..	..	..
36.11	4.70	..	..	..	..
35.99	5.50	..	..	..	..
36.31	4.30	..	..	..	..
36.20	4.60	..	..	..	Z-1:35-0	
36.13	5.75	..	..	..	..
36.15	4.70	..	..	..	..
36.09	4.70	..	..	..	..
36.38	4.40	..	..	..	Z-1:25-0	
36.36	4.60	..	..	..	..
36.16	4.65	..	..	..	Z-1:12-0	
36.09	4.70	..	..	..	..
36.17	4.95	..	..	..	Z-1:36-0	
36.29	4.40	..	..	..	..
36.08	4.40	..	..	..	..
36.18	4.50	..	..	..	..
36.45	4.60	..	..	..	Z-1:57-0	
36.13	5.10	..	..	..	..
36.60	4.45	..	..	..	..
36.45	4.70	..	..	..	..
36.09	4.55	..	..	..	..
35.73	4.70	..	..	..	Z-1:66-0	
35.71	4.75	..	..	..	..
35.68	4.85	..	..	..	..
35.90	4.60	..	..	..	..
35.97	4.65	..	..	..	..
35.97	5.20	..	..	..	Z-1:66-0	
35.77	4.95	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						20	28.39
						30	28.26
						50	27.88
1789	9-5-1963	1910—1930	20° 14' N	69° 55' E	73	0	28.80
						10	28.70
						20	28.42
						30	27.95
						50	26.72
1790	9-5-1963	2325—2400	20° 20' N	70° 31' E	85	0	28.20
						10	28.20
						20	28.11
						30	28.10
						50	28.39
						75	26.76
1791	10-5-1963	0310—0330	20° 20' N	71° 00' E	45	0	27.50
						10	27.55
						20	27.52
						30	27.40
1792	10-5-1963	0645—0710	20° 20' N	71° 30' E	28	0	27.80
						10	27.69
						20	27.69
1793	10-5-1963	1200—1225	20° 20' N	72° 00' E	30	0	28.70
						10	28.10
						20	28.00
1794	10-5-1963	1445—1515	20° 19' N	72° 29' E	34	0	30.00
						10	28.89
						20	28.77
						30	28.78
1795	13-5-1963	0307—0335	18° 30' N	72° 43' E	>20	0	27.80
						10	27.84
						20	27.80
1796	13-5-1963	0505—0530	18° 30' N	72° 30' E	46	0	28.72
						10	28.78
						20	28.78
						30	28.59

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.71	4.85	..	..	..	..
35.81	4.80	..	..	..	..
36.02	4.75	..	..	..	..
35.66	4.75	..	..	..	Z-1:68-0	
35.66	5.10	..	..	..	..
35.66	4.90	..	..	..	..
35.77	5.15	..	..	..	..
35.81	3.25	..	..	..	..
36.27	5.10	..	..	..	..
35.93	5.40	..	..	..	..
35.90	5.10	..	..	..	..
35.93	5.25	..	..	..	..
35.79	4.95	..	..	..	..
35.79	4.30	..	..	..	..
35.95	5.25	..	..	..	Z-1:40-0	
35.86	5.15	..	..	..	..
35.86	5.60	..	..	..	..
35.86	5.85	..	..	..	..
35.86	..	..	..	..	Z-1:20-0	
35.82	4.95	..	..	..	..
35.93	5.10	..	..	..	..
35.43	4.95	..	..	..	Z-1:25-0	
35.39	5.20	..	..	..	..
35.35	5.10	..	..	..	..
35.53	4.60	..	..	..	Z-1:28-0	
35.59	4.75	..	..	..	..
35.50	4.95	..	..	..	..
35.53	4.95	..	..	..	..
35.43	4.30	..	..	..	Z-1:15-0	
35.39	4.00	..	..	..	..
35.41	3.85	..	..	..	..
35.45	5.40	..	..	..	Z-1:40-0	
35.32	5.50	..	..	..	..
35.34	5.30	..	..	..	..
35.34	5.55	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1797	13-5-1963	0712—0741	18° 30' N	72° 15' E	60	0	28.98
						10	29.00
						20	28.97
						30	28.47
						50	27.19
1798	13-5-1963	0930—	18° 30' N	72° 00' E	80	0	29.20
						10	29.10
						20	29.00
						30	28.75
						50	28.13
75	26.76						
1799	13-5-1963	1130—1155	18° 30' N	71° 45' E	85	0	30.18
						10	29.01
						20	29.00
						30	28.89
						50	28.20
75	26.51						
1800	13-5-1963	1335—1355	18° 30' N	71° 30' E	84	0	30.60
						10	29.14
						20	29.16
						30	29.12
						50	27.97
75	26.66						
1801	13-5-1963	1535—1600	18° 30' N	71° 15' E	84	0	29.80
						10	29.24
						20	28.97
						30	28.39
						50	27.96
75	26.92						
1802	13-5-1963	1730—1745	18° 30' N	71° 00' E	88	0	29.60
						10	29.34
						20	29.27
						30	28.89
						50	28.09
75	27.25						
1803	13-5-1963	1925—1945	18° 30' N	70° 45' E	92	0	29.20
						10	29.01
						20	28.95

S‰	O ₂ ml/l.	Wind	Sea	B.T.	Plankton	Remarks
35.30	5.25	..	..	..	Z-1:55-0	
35.37	5.00	..	..	..	..
35.01	4.75	..	..	..	..
35.25	5.25	..	..	..	..
35.68	2.30	..	..	..	..
34.99	5.00	..	..	..	Z-1:75-0	
34.90	5.10	..	..	..	..
35.07	5.20	..	..	..	..
35.36	5.00	..	..	..	..
35.75	2.10	..	..	..	..
34.92	4.70	..	..	..	Z-1:80-0	
34.87	5.30	..	..	..	..
34.92	4.70	..	..	..	..
35.16	5.35	..	..	..	..
35.26	4.45	..	..	..	..
35.75	1.95	..	..	..	..
35.10	..	..	..	..	Z-1:75-0	
35.21	..	..	..	..	..
35.32	..	..	..	..	..
35.19	..	..	..	..	..
35.62	..	..	..	..	..
35.79	..	..	..	..	..
35.10	4.85	..	..	..	Z-1:75-0	
35.12	4.85	..	..	..	..
35.14	4.95	..	..	..	..
35.53	4.70	..	..	..	..
35.82	4.75	..	..	..	..
35.90	4.80	..	..	..	..
35.03	..	..	..	..	Z-3:30-0	
35.04	..	..	..	..	50-0	
35.14	..	..	..	..	80-0	
35.43	..	..	..	..	..
35.70	..	..	..	..	..
..	
35.16	4.70	..	..	..	Z-1:87-0	
35.17	4.80	..	..	..	..
35.21	4.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						30	28.19
						50	27.44
						75	26.62
1804	13-5-1963	2120—	18° 30' N	70° 26' E	500	0	29.32
						10	29.42
						20	29.20
						30	28.78
						50	27.92
						75	27.31
						100	26.15
						150	20.93
						200	16.88
						300	14.40
						400	13.04
						500	12.30
1805	13/14-5-1963	2330—0105	18° 30' N	70° 14' E	1250	0	29.51
						10	29.59
						20	29.51
						30	29.35
						50	28.23
						75	26.83
						100	26.22
						150	21.55
						200	17.94
						300	15.20
						400	13.37
						500	12.27
						600	11.59
						700	10.70
						800	10.01
						000	8.48
						200	7.20
1806	14-5-1963	0245—	18° 30' N	70° 00' E	1250	0	29.64
						10	29.70
						20	29.49
						30	28.75
						50	27.69
						75	26.40
						100	25.17
						150	20.01
						200	16.79

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.70	4.55	..	..	..	..
36.06	4.10	..	..	..	..
36.06	3.60	..	..	..	..
35.21	..	..	..	..	Z-1:200-0	
35.19	..	..	..	..	..
35.32	..	..	..	..	..
35.44	..	..	..	..	..
35.77	..	..	..	..	..
36.35	..	..	..	..	..
36.29	..	..	..	..	..
35.90	..	..	..	..	..
35.63	..	..	..	..	..
35.61	..	..	..	..	..
35.57	..	..	..	..	..
35.57	..	..	..	..	..
35.10	4.75	..	..	..	Z-1:200-0	
35.16	4.95	..	..	..	..
35.15	4.65	..	..	..	..
35.98	5.40	..	..	..	..
36.39	5.40	..	..	..	..
36.43	4.05	..	..	..	..
36.29	4.25	..	..	..	..
35.81	0.95	..	..	..	..
35.70	0.40	..	..	..	..
35.68	0.50	..	..	..	..
35.66	0.75	..	..	..	..
35.56	0.75	..	..	..	..
35.51	0.45	..	..	..	..
35.44	0.95	..	..	..	..
35.40	0.55	..	..	..	..
35.35	0.60	..	..	..	..
35.30	0.65	..	..	..	..
35.31	4.60	..	..	..	Z-1:200-0	
35.31	4.45	..	..	..	..
35.39	4.70	..	..	..	..
35.75	4.75	..	..	..	..
36.37	4.60	..	..	..	..
36.40	4.15	..	..	..	..
36.24	3.80	..	..	..	..
35.66	0.45	..	..	..	..
35.80	0.65	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						300	14.58
						400	13.06
						500	12.42
						600	11.57
						700	10.92
						800	10.01
						1000	8.40
1807	14-5-1963	1800--1915	17° 00' N	71° 30' E	1250	0	30.30
						10	29.70
						20	29.60
						30	29.37
						50	27.90
						75	27.01
						100	25.40
						150	20.23
						200	17.08
						300	14.30
						400	12.53
						500	11.50
						600	10.94
						700	10.49
						800	9.93
						1000	9.08
						1200	8.30
1808	14-5-1963	2053--2205	17° 00' N	71° 45' E	1250	0	28.89
						10	29.81
						20	29.60
						30	29.50
						50	28.16
						75	27.39
						100	26.03
						150	21.28
						200	16.85
						300	14.20
						400	12.71
						500	11.97
						600	11.32
						700	10.71
						800	10.19
						1000	9.09
						1200	8.15

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.69	0.35	..	..	..	..
35.62	0.40	..	..	..	..
35.60	0.35	..	..	..	..
35.55	0.30	..	..	..	..
35.49	0.80	..	..	..	..
35.46	0.40	..	..	..	..
35.40	0.20	..	..	..	..
35.03	Z-1:200-0	
35.09	
35.09	
35.09	
35.92	
36.17	
36.29	
35.84	
35.57	
35.50	
35.52	
35.49	
35.46	
35.43	
35.40	
35.34	
35.19	
35.12	Z-1:200-0	
35.17	
35.25	
35.34	
35.86	
36.15	
36.48	
35.93	
35.59	
35.57	
35.55	
35.50	
35.50	
35.46	
35.46	
35.42	
35.34	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1809	15-5-1963	0000—0035	17° 00' N	72° 00' E	185	0	29.80
						10	29.70
						20	29.52
						30	29.49
						50	29.20
						75	28.91
						100	27.37
150	22.50						
1810	15-5-1963	0208—0230	17° 00' N	72° 14' E	85	0	29.85
						10	29.38
						20	29.19
						30	29.18
						50	28.67
						75	27.88
1811	15-5-1963	0405—0430	17° 00' N	72° 29' E	70	0	29.70
						10	29.41
						20	29.19
						30	29.16
						50	28.65
1812	15-5-1963	0615—0645	17° 00' N	72° 45' E	65	0	29.30
						10	29.12
						20	29.00
						30	28.98
						50	28.27
1813	15-5-1963	0805—0820	17° 00' N	73° 00' E	40	0	29.49
						10	29.00
						20	29.01
						30	28.77
1814	15-5-1963	0918—0930	17° 00' N	73° 12' E	17	0	29.18
						10	28.88
1815	15-5-1963	1450—1505	15° 50' N	73° 32' E	20	0	29.66
						10	29.06
1816	15-5-1963	1615—1635	15° 46' N	73° 22' E	46	0	29.78
						10	29.45
						20	29.05
						30	28.89

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.14	4.55	..	..	..	Z-1:180-0	
35.12	4.60	..	..	..	..
35.12	4.60	..	..	..	..
35.26	4.70	..	..	..	..
35.28	4.55	..	..	..	..
35.41	4.20	..	..	..	..
36.26	3.60	..	..	..	..
36.00	1.10	..	..	..	..
35.10	..	..	..	..	Z-1:80-0	
35.16	..	..	..	..	..
35.12	..	..	..	..	..
35.08	..	..	..	..	..
35.39	..	..	..	..	..
35.93	..	..	..	..	..
35.03	4.60	..	..	..	Z-1:65-0	
35.07	4.20	..	..	..	..
35.05	4.65	..	..	..	..
35.43	4.55	..	..	..	..
35.23	4.15	..	..	..	..
35.16	..	..	..	..	Z-1:60-0	
35.05	..	..	..	..	..
35.19	..	..	..	..	..
35.25	..	..	..	..	..
35.70	..	..	..	..	..
35.46	4.30	..	..	..	Z-1:35-0	
35.35	4.40	..	..	..	..
35.34	4.40	..	..	..	..
35.68	4.00	..	..	..	..
35.71	..	..	..	..	Z-1:10-0	
35.79	..	..	..	..	..
35.62	4.30	..	..	..	Z-1:15-0	
35.71	3.95	..	..	..	..
35.48	..	..	..	..	Z-1:38-0	
35.48	..	..	..	..	..
35.57	..	..	..	..	..
35.52	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1817	15-5-1963	1740—1825	15° 43' N	73° 13' E	70	0	29.92
						10	29.55
						20	29.12
						30	28.80
						50	28.10
1818	15-5-1963	1935—2015	15° 40' N	73° 03' E	100	..	..
1819	28-5-1963	0745—0800	11° 14' N	75° 42' E	8	0	29.09
						5	29.08
1820	28-5-1963	0840—0900	11° 12' N	75° 32' E	30	0	28.40
						10	28.37
						20	28.14
1821	28-5-1963	0940—0955	11° 10' N	75° 31' E	36	0	29.10
						10	29.05
						20	29.93
						30	28.18
1822	28-5-1963	1038—1055	11° 09' N	75° 25' E	38	0	29.60
						10	29.63
						20	29.42
						30	28.70
1823	28-5-1963	1405—1425	11° 06' N	75° 15' E	63	0	30.35
						10	30.35
						20	30.17
						30	29.63
						50	27.69
1824	28-5-1963	1545—1630	11° 03' N	75° 04' E	210	0	30.35
						10	30.42
						20	30.48
						30	30.40
						50	28.38
						75	23.07
						100	18.60
						150	15.64
200	14.07						
1825	28-5-1963	1930—2140	10° 56' N	74° 44' E	1640	0	30.25
						10	30.39
						20	30.39

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.52	4.45	..	..	..	Z-1:65-0	
35.43	4.55	..	..	..	..
35.48	4.15	..	..	..	..
35.59	3.35	..	..	..	..
35.73	3.15	..	..	..	..
..	
34.61	2.55	..	..	..	..
34.51	2.40	..	..	..	..
34.97	2.80	..	..	..	Z-1:25-0	
34.90	2.65	..	..	..	..
34.92	2.55	..	..	..	..
34.99	3.50	..	..	..	..
34.93	3.35	..	..	..	..
34.90	3.30	..	..	..	..
35.02	3.05	..	..	..	..
34.76	3.75	..	..	..	Z-2:30-0(2)	
34.70	3.65	..	..	..	..
34.82	3.70	..	..	..	..
35.18	4.30	..	..	..	..
34.54	4.35	..	..	..	..
34.56	4.30	..	..	..	..
34.56	4.35	..	..	..	..
34.88	4.50	..	..	..	..
35.51	3.25	..	..	..	..
34.53	4.40	..	..	..	Z-1:200-0	
34.55	4.35	..	..	..	..
34.55	4.35	..	..	..	..
34.53	4.55	..	..	..	..
35.55	4.30	..	..	..	..
35.43	1.45	..	..	..	..
35.21	0.55	..	..	..	..
35.10	0.35	..	..	..	..
35.16	0.35	..	..	..	..
34.30	4.40	..	..	..	Z-1:200-0	
34.42	4.30	..	..	..	..
34.36	4.35	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. C
			Lat.	Long.			
						30	29.38
						50	..
						75	25.50
						100	21.51
						150	16.11
						200	14.23
						300	12.24
						400	11.36
						500	10.65
						600	9.91
						700	8.98
						800	8.33
						1000	7.05
						1200	6.04
						1500	4.88
1826	29-5-1963	0610—0800	09° 46' N	75° 19' E	1600	0	30.11
						10	30.18
						20	30.21
						30	28.57
						50	28.18
						75	23.43
						100	19.85
						150	16.41
						200	14.50
						300	12.23
						400	11.83
						500	10.47
						600	9.60
1827	29-5-1963	0945—1015	09° 50' N	75° 34' E	175	0	29.95
						10	30.00
						20	29.99
						30	26.28
						50	26.08
						75	20.31
						100	18.04
						150	17.81
1828	29-5-1963	1138—1150	09° 52' N	75° 42' E	66	0	29.55
						10	29.60
						20	29.03
						30	27.64
						50	25.98

S ^o /∞	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.30	4.55	..	..	..	..	..
35.75	4.35	..	..	..	..	..
35.81	2.25	..	..	..	..	..
35.49	0.85	..	..	..	..	..
35.04	0.35	..	..	..	..	..
35.19	0.35	..	..	..	..	..
35.26	0.35	..	..	..	..	..
35.23	0.35	..	..	..	..	..
35.23	0.40	..	..	..	..	..
35.22	0.45	..	..	..	..	..
35.17	0.50	..	..	..	..	..
35.06	0.60	..	..	..	..	..
34.98	0.85	..	..	..	..	..
34.98	1.15	..	..	..	..	..
35.02	1.65	..	..	..	..	..
34.36	4.05	..	..	..	Z-1:200-0	..
34.35	3.95	..	..	..	..	..
34.43	4.00	..	..	..	..	..
34.87	4.20	..	..	..	..	..
35.49	3.65	..	..	..	..	..
35.54	1.50	..	..	..	..	..
35.33	0.50	..	..	..	..	..
35.14	0.40	..	..	..	..	..
35.19	0.30	..	..	..	..	..
35.19	0.40	..	..	..	..	..
35.21	0.20	..	..	..	..	..
35.16	0.50	..	..	..	..	..
35.12	0.45	..	..	..	..	..
34.36	3.85	..	..	..	Z-1:170-0	..
34.40	3.95	..	..	..	..	..
34.36	3.95	..	..	..	..	..
34.92	3.70	..	..	..	..	..
35.73	2.50	..	..	..	..	..
35.25	1.25	..	..	..	..	..
35.05	0.70	..	..	..	..	..
35.04	0.70	..	..	..	..	..
34.43	4.00	..	..	..	..	..
34.33	3.40	..	..	..	..	..
34.45	3.30	..	..	..	..	..
34.72	2.70	..	..	..	..	..
35.44	2.35	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1829	29-5-1963	1305—1330	09° 55' N	75° 54' E	43	0	29.40
						10	29.02
						20	28.89
						30	27.57
1830	29-5-1963	1710—1720	09° 57' N	76° 07' E	22	0	29.10
						10	29.16
						20	27.22
1831	29-5-1963	1750—1800	09° 58' N	76° 11' E	10	0	29.30
						8	29.44
1832	23-7-1963	0610—0715	08° 20' N	77° 02' E	20	0	27.50
						10	23.57
						18	23.11
1833	23-7-1963	0755—0845	08° 14' N	76° 59' N	48	0	24.30
						10	24.35
						20	24.21
						30	22.89
						45	22.33
1834	23-7-1963	0930—1012	08° 09' N	76° 55' E	60	0	24.50
						10	24.54
						20	24.52
						30	23.18
						50	21.04
1835	23-7-1963	1055—1200	..	..	83	0	25.10
						10	24.84
						20	24.06
						30	22.83
						50	20.74
						75	19.17
1836	23-7-1963	1215—1505	07° 56' N	76° 44' E	350	0	25.60
						10	25.49
						20	25.20
						30	24.98
						50	21.82

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.52	3.35	..	..	..	Z-1:35-0	
34.45	3.45	..	..	..	..
34.47	2.65	..	..	..	..
34.92	2.90	..	..	..	..
34.61	3.25	..	..	..	..
34.61	3.15	..	..	..	..
35.08	2.05	..	..	..	..
34.40	2.75	..	..	..	..
34.40	2.65	..	..	..	..
34.84	2.75	..	..	..	Z-2:15-0(2)	
34.76	2.40	..	..	..	..
34.80	1.65	..	..	..	..
34.84	3.80	..	..	..	Z-2:40-0(2)	
34.80	3.75	..	..	..	..
34.88	3.35	..	..	..	..
34.80	1.50	..	..	..	..
34.83	1.00	..	..	..	..
34.79	3.90	..	..	..	Z-2:55-0(2)	
34.78	3.80	..	..	..	..
34.77	3.75	..	..	..	..
34.82	1.55	..	..	..	..
34.92	1.00	..	..	..	..
34.85	3.85	..	..	..	Z-7:9-0	
34.93	2.45	..	..	..	10-0	
34.84	2.50	..	..	..	30-0	
					50-0	
					70-0	
					75-0(2)	
					78-0	
34.96	1.45	..	..	..	..
34.77	0.90	..	..	..	..
34.79	0.70	..	..	..	..
34.77	4.40	..	..	..	Z-6:30-0	
34.78	4.30	..	..	..	50-0	
34.79	3.95	..	..	..	75-0	
34.84	3.20	..	..	..	100-0	
34.87	0.95	..	..	..	200-0(2)	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						75	19.30
						100	18.29
						150	15.90
						200	14.61
						300	12.16
1837	24-7-1963	0205—0355	07° 19' N	77° 01' E	206	0	26.70
						10	26.00
						20	25.30
						30	24.60
						50	23.09
						75	19.76
						100	17.86
						140	15.53
						200	13.75
1838	24-7-1963	0535—0640	07° 34' N	77° 05' E	100	0	25.10
						10	25.19
						20	25.07
						30	25.04
						50	20.90
						75	19.27
1839	24-7-1963	0825—0900	07° 49' N	77° 10' E	60	0	25.10
						10	25.04
						20	24.93
						30	24.56
						50	23.37
1840	24-7-1963	0943—1010	07° 12' E	77° 12' E	54	0	24.85
						10	24.79
						20	24.70
						30	24.31
						50	22.42
1841	24-7-1963	1055—1120	..	..	44	0	24.75
						10	24.64
						20	24.38
						30	24.07
1842	24-7-1963	1200—1225	..	..	40	0	24.25
						10	23.95
						20	23.80
						30	23.82

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.77	0.60	..	..	..	..
34.86	0.95	..	..	..	..
34.84	0.70	..	..	..	..
34.95	0.50	..	..	..	..
35.08	0.65	..	..	..	..
35.03	4.20	..	..	..	Z—7:30—0	
34.91	4.30	..	..	..	50—0	
34.83	4.25	..	..	..	75—0	
35.01	3.95	..	..	..	100—0	
34.92	0.85	..	..	..	200—0(2)	
34.82	0.80	..	..	..	..
34.83	0.65	..	..	..	..
34.83	0.95	..	..	..	..
34.96	0.80	..	..	..	..
34.82	4.50	..	..	..	Z—4:30—0	
34.79	4.25	..	..	..	50—0	
34.79	4.15	..	..	..	75—0(2)	
34.83	1.55	..	..	..	..
34.70	0.80	..	..	..	..
34.84	0.65	..	..	..	..
34.83	4.05	..	..	..	Z—3:30—0	
34.78	3.85	..	..	..	50—0(2)	
34.78	3.40	..	..	..	..
34.78	3.35	..	..	..	..
34.77	1.30	..	..	..	..
34.83	3.70	..	..	..	Z—2:50—0(2)	
34.81	3.55	..	..	..	..
34.79	3.35	..	..	..	..
34.76	3.05	..	..	..	..
34.73	1.10	..	..	..	..
34.83	3.70	..	..	..	Z—2:40—0(2)	
34.83	3.50	..	..	..	..
34.74	3.40	..	..	..	..
34.76	3.10	..	..	..	..
34.70	4.35	..	..	..	Z—2:40—0(2)	
34.71	3.80	..	..	..	..
34.81	2.95	..	..	..	..
34.78	2.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1843	24-7-1963	1340—1355	08° 03' N	77° 32' E	30	0	28.20
						10	28.26
						20	25.61
						28	24.41
1844	24-7-1963	1445—1530	07° 57' N	77° 32' E	40	0	27.60
						10	27.69
						20	27.05
						30	24.16
1845	24-7-1963	1610—1640	07° 51' N	77° 32' E	50	0	27.35
						10	27.46
						20	27.36
						30	24.16
						45	23.82
1846	24-7-1963	1725—1806	07° 45' N	77° 32' E	58	0	27.00
						10	26.08
						20	25.46
						30	24.45
						50	23.31
1847	24-7-1963	2000—2115	07° 30' N	77° 32' E	118	0	26.55
						10	26.62
						20	26.57
						30	25.96
						50	24.14
						75	21.09
1848	24-7-1963	2330—2355	..	..	215	0	26.30
						10	26.36
						20	26.35
						30	26.29
						50	25.45
						75	20.40
						100	18.54
						150	14.80
						200	13.81
						1849	25-7-1963	0110—0150	07° 00' N	77° 32' E	380	0	26.60
10	26.78						
20	26.74						
30	26.58						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.96	4.10	..	..	..	Z—2:30—0(2)	
34.95	4.10	..	..	..	..
34.82	2.65	..	..	..	..
34.71	3.55	..	..	..	..
34.85	4.35	..	..	..	Z—2:35—0(2)	
34.87	5.45	..	..	..	..
34.83	3.75	..	..	..	..
34.77	3.50	..	..	..	..
34.87	4.45	..	..	..	Z—2:45—0(2)	
34.87	4.40	..	..	..	..
34.88	4.20	..	..	..	..
34.78	3.60	..	..	..	..
34.77	3.00	..	..	..	..
34.58	4.55	..	..	..	Z—3:35—0	
34.87	4.65	..	..	..	50—0(2)	
34.78	4.25	..	..	..	..
34.78	3.70	..	..	..	..
34.71	2.00	..	..	..	..
34.87	4.55	..	..	..	Z—5:30—0	
34.82	4.70	..	..	..	40—0	
34.82	3.15	..	..	..	75—0	
34.95	3.05	..	..	..	100—0(2)	
34.35	1.80	..	..	..	..
34.78	0.85	..	..	..	..
34.88	0.55	..	..	..	..
34.84	4.50	..	..	..	Z—5:30—0	
34.95	4.60	..	..	..	50—0	
34.84	4.55	..	..	..	200—0(2)	
34.78	4.25	..	..	..	..
35.16	2.60	..	..	..	..
34.81	0.65	..	..	..	..
34.83	0.55	..	..	..	..
34.97	0.50	..	..	..	..
35.05	0.70	..	..	..	..
34.91	4.40	..	..	..	..
34.79	4.35	..	..	..	..
34.79	4.40	..	..	..	..
34.84	4.35	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						50	26.68
						75	25.47
						100	20.83
						150	17.12
						200	14.22
						300	12.07
						350	11.52
1850	3-8-1963	2210—2216	12° 51' N	74° 43' E	18	0	27.50
						10	27.08
1851	3-8-1963	2302—2330	12° 49' N	74° 38' E	35	0	27.23
						10	27.46
						20	26.42
						30	23.32
1852	4-8-1963	0025—0045	12° 47' N	74° 32' E	47	0	27.45
						10	27.60
						20	25.70
						30	24.73
1853	4-8-1963	0200—0230	12° 45' N	74° 26' E	58	..	..
1854	4-8-1963	0310—0335	12° 40' N	74° 16' E	89	0	27.52
						10	..
						20	27.08
						30	25.64
						50	20.55
						75	19.54
1855	4-8-1963	0430—0535	12° 38' N	74° 09' E	160	..	..
1856	4-8-1963	0700—	12° 30' N	73° 50' E	1400	0	27.48
						10	27.60
						20	27.48
						30	27.94
						50	22.57
						75	21.03
						100	19.80

S%	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.90	4.40	..	..	..	..
34.82	3.15	..	..	..	..
34.69	0.70	..	..	..	..
34.91	0.60	..	..	..	..
34.97	0.55	..	..	..	..
34.96	0.70	..	..	..	..
35.03	0.80	..	..	..	..
28.10	5.05	..	..	..	..
34.96	3.90	..	..	..	..
34.25	4.50	..	..	..	Z-1:25-0	
34.29	4.40	..	..	..	..
35.75	2.40	..	..	..	..
35.64	1.20	..	..	..	..
34.52	4.40	..	..	..	Z-1:30-0	
35.95	4.75	..	..	..	..
36.09	2.05	..	..	..	..
35.51	1.75	..	..	..	..
..	..	..	..	..	Z-3:30-0 50-0(2)	
34.60	4.45	..	..	..	..
34.52	4.30	..	..	..	..
35.18	3.75	..	..	..	..
36.38	2.45	..	..	..	..
35.10	0.90	..	..	..	..
35.10	0.95	..	..	..	..
..	..	..	..	..	Z-6:30-0 50-0 75-0 100-0 150-0(2)	
34.61	4.50	..	..	..	Z-6:30-0	
34.58	4.35	..	..	..	50-0	
35.26	4.50	..	..	..	75-0	
35.66	4.10	..	..	..	100-0	
35.66	1.40	..	..	..	200-0(2)	
35.50	1.15	..	..	..	..
35.30	0.85	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						150	16.04
						200	15.21
						300	12.36
						400	11.48
						500	11.04
						600	..
						700	9.67
						800	8.71
						1000	7.99
						1200	7.04
1857	4-8-1963	1480—1545	13° 07' N	73° 44' E	200	0	27.20
						10	27.65
						20	27.00
						30	26.60
						50	20.37
						75	19.84
						100	18.21
						150	15.86
1858	4-8-1963	1836—1900	13° 13' N	74° 06' E	58	58	27.35
						10	27.55
						20	25.21
						30	23.61
						50	21.06
1859	4-8-1963	1910—2045	..	..	44	0	27.28
						10	26.65
						20	24.11
						30	22.75
1860	4-8-1963	2110—2225	..	..	32	0	26.85
						10	26.71
						20	23.75
1861	4-8-1963	2310—2400	..	..	19	0	26.70
						10	26.09
1862	5-8-1963	0355—0410	13° 50' N	74° 29' E	22	0	27.00
						10	26.28
						20	24.26
1863	5-8-1963	0500—0520	13° 48' N	74° 23' E	36	0	26.80
						10	26.87

S‰	O ₅ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.25	0.30	..	..	..	..
35.19	0.85	..	..	..	..
35.41	0.75	..	..	..	..
35.37	0.35	..	..	..	..
35.37	0.40	..	..	..	..
35.37	0.30	..	..	..	..
35.28	0.30	..	..	..	..
35.17	0.80	..	..	..	..
35.37	0.20	..	..	..	..
..	1.50	..	..	..	..
34.42	4.45	..	..	..	Z-6:30-0	
34.79	4.40	..	..	..	50-0	
34.76	3.80	..	..	..	75-0	
35.97	1.60	..	..	..	100-0	
35.32	0.70	..	..	..	190-0(2)	
35.19	0.50	..	..	..	..
35.07	0.45	..	..	..	..
35.05	0.40	..	..	..	..
33.60	4.55	..	..	..	Z-1:50-0	
34.04	4.40	..	..	..	..
35.97	1.60	..	..	..	..
35.75	1.60	..	..	..	..
35.34	0.75	..	..	..	..
34.34	4.40	..	..	..	..
34.96	3.25	..	..	..	..
35.77	1.70	..	..	..	..
35.41	1.15	..	..	..	..
34.58	4.45	..	..	..	Z-1:30-0	
34.31	4.10	..	..	..	..
35.71	1.45	..	..	..	..
31.09	4.60	..	..	..	Z-1:20-0	
35.26	2.85	..	..	..	..
30.32	4.40	..	..	..	..
34.58	2.25	..	..	..	..
36.35	0.80	..	..	..	..
30.61	4.55	..	..	..	Z-2:30-0	
33.51	3.90	..	..	..	35-0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	24.22
						30	23.28
1864	5-8-1963	0605—0635	13° 47' N	74° 17' E	40	0	26.93
						10	27.19
						20	25.76
						30	23.01
1865	5-8-1963	0719—0745	13° 35' N	74° 11' E	44	0	27.05
						10	27.28
						20	27.30
						30	23.06
1866	5-8-1963	0940—1010	13° 41' N	73° 56' E	58	0	27.50
						10	27.78
						20	27.95
						30	23.37
						50	22.12
1867	5-8-1963	1205—1245	13° 36' N	73° 42' E	80	0	27.00
						10	27.80
						20	27.50
						30	26.50
						50	21.77
						75	20.16
1868	5-8-1963	1410—1510	13° 33' N	73° 27' E	190	0	27.60
						10	27.90
						20	27.90
						30	27.81
						50	22.10
						75	20.16
						100	19.06
						150	16.18
1869	12-8-1963	0020—0100	10° 50' N	75° 50' E	16	0	26.60
						10	24.73
						15	23.60
1870	12-8-1963	0145—0200	10° 47' N	75° 45' E	30	0	26.90
						10	26.30
						20	23.07
						28	22.90

S‰	O ₂ ml./L	Wind	Sea	B.T.	Plankton	Remarks
35.74	0.80	..	..	..	..
35.61	0.70	..	..	..	..
31.47	4.45	..	..	..	Z-1:30-0	
32.74	4.35	..	..	..	..
36.00	1.55	..	..	..	..
35.57	0.70	..	..	..	..
32.10	4.40	..	..	..	Z-1:30-0	
33.68	4.45	..	..	..	..
34.23	3.85	..	..	..	..
35.79	0.45	..	..	..	..
34.11	4.40	..	..	..	Z-2:30-0	
34.14	4.35	..	..	..	50-0	
35.74	3.30	..	..	..	..
35.62	1.00	..	..	..	..
35.53	0.70	..	..	..	..
34.72	4.40	..	..	..	Z-3:30-0	
34.72	4.35	..	..	..	50-0	
35.57	3.60	..	..	..	70-0	
35.77	1.40	..	..	..	..
35.35	1.20	..	..	..	..
35.28	1.00	..	..	..	..
35.08	4.40	..	..	..	Z-5:30-0	
35.03	4.40	..	..	..	50-0	
34.99	4.40	..	..	..	75-0	
35.69	3.85	..	..	..	100-0	
35.43	1.25	..	..	..	180-0	
35.31	1.15	..	..	..	..
35.12	1.05	..	..	..	..
35.25	1.00	..	..	..	..
32.63	5.60	..	..	..	Z-1:15-0	
34.86	0.50	..	..	..	..
34.86	1.15	..	..	..	..
33.48	4.75	..	..	..	Z-1:30-0	
34.15	5.40	..	..	..	..
34.96	0.55	..	..	..	..
34.93	0.30	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1871	12-8-1963	0300—0340	10° 45' N	75° 40' E	44	0	27.16
						10	26.47
						20	22.60
						30	22.60
						40	22.58
1872	12-8-1963	0427—0500	10° 42' N	75° 34' E	60	0	26.95
						10	27.06
						20	23.46
						30	22.41
						50	21.70
1873	12-8-1963	0615—0710	10° 38' N	75° 25' E	190	0	27.22
						10	26.88
						20	23.60
						30	22.01
						50	21.39
						75	20.06
						100	18.92
						180	15.30
1874	12-8-1963	1610—1700	10° 71' N	75° 41' E	190	0	27.20
						10	26.90
						20	25.99
						30	25.01
						50	21.12
						75	20.36
						100	20.18
						180	15.65
1875	12-8-1963	1810—1830	10° 20' N	75° 15' E	40	0	27.35
						10	25.72
						20	22.80
						30	22.69
1876	12-8-1963	1910—1935	10° 22' N	75° 56' E	30	0	26.95
						10	27.09
						20	23.64
						28	23.05
1877	12-8-1963	2025—2040	10° 24' N	76 02' E	20	0	27.12
						10	24.94

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.39	4.30	..	..	..	Z-1:44-0	
34.00	4.70	..	..	..	..
34.95	0.45	..	..	..	..
35.01	0.35	..	..	..	..
34.96	0.25	..	..	..	..
33.33	4.75	..	..	..	Z-1:60-0	
33.62	4.65	..	..	..	..
35.16	0.85	..	..	..	..
34.94	0.65	..	..	..	..
35.03	0.25	..	..	..	..
33.57	4.70	..	..	..	Z-1:180-0	
34.13	4.55	..	..	..	..
34.99	1.10	..	..	..	..
35.01	0.70	..	..	..	..
35.01	0.65	..	..	..	..
34.90	0.45	..	..	..	..
34.88	0.45	..	..	..	..
35.02	0.55	..	..	..	..
35.08	0.55	..	..	..	..
33.82	5.10	..	..	..	Z-1:180-0	
34.42	4.80	..	..	..	..
35.30	2.80	..	..	..	..
35.38	2.10	..	..	..	..
34.97	0.75	..	..	..	..
34.97	0.60	..	..	..	..
34.91	0.60	..	..	..	..
34.96	0.65	..	..	..	..
35.07	0.55	..	..	..	..
33.84	5.15	..	..	..	Z-1:40-0	
35.21	2.55	..	..	..	..
34.92	0.40	..	..	..	..
34.94	0.40	..	..	..	..
32.23	5.05	..	..	..	Z-1:30-0	
33.90	5.15	..	..	..	..
35.05	0.85	..	..	..	..
34.90	0.55	..	..	..	..
31.67	5.25	..	..	..	Z-1:15-0	
34.67	3.85	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1878	13-8-1963	0615—0700	09° 57' N	76° 07' E	19	0	27.10
						10	24.79
						15	24.23
1879	13-8-1963	0735—0815	09° 56' N	76° 02' E	30	0	26.85
						10	27.26
						20	25.16
						25	24.24
1880	13-8-1963	1130—1155	09° 55' N	75° 57' E	38	0	26.85
						10	27.05
						20	25.65
						30	23.47
1881	13-8-1963	1545—1610	09° 53' N	75° 41' E	52	0	27.67
						10	27.34
						20	26.02
						30	22.89
						50	22.20
1882	13-8-1963	1905—2025	09° 50' N	75° 38' E	190	0	28.21
						10	27.87
						20	27.47
						30	26.69
						50	21.69
						75	19.28
						100	18.46
						150	16.82
180	15.57						
1883	13-8-1963	2135—2325	09° 47' N	75° 28' E	1400	0	27.50
						10	27.79
						20	27.30
						30	27.10
						50	23.62
						75	19.34
						100	18.02
						150	16.08
						200	...
						300	12.02
						400	10.97
500	10.38						
600	99.73						
700	9.29						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
25.61	4.40	..	..	..	Z-1:15-0	
34.53	1.75	..	..	..	..
34.83	0.95	..	..	..	..
30.78	5.40	..	..	..	Z-1:30-0	
34.19	5.10	..	..	..	..
34.91	1.75	..	..	..	..
35.34	1.00	..	..	..	..
35.45	4.50	..	..	..	..
34.27	4.20	..	..	..	..
35.17	1.95	..	..	..	..
35.03	0.40	..	..	..	..
34.30	4.45	..	..	..	Z-2:30-0	
34.88	3.00	..	..	..	50-0	
35.59	2.15	..	..	..	..
35.13	0.45	..	..	..	..
34.99	0.30	..	..	..	..
..	4.70	..	..	..	Z-5:30-0	
34.32	4.65	..	..	..	50-0	
35.43	3.70	..	..	..	75-0	
35.92	2.70	..	..	..	100-0	
34.97	0.80	..	..	..	180-0	
34.90	0.50	..	..	..	..
34.93	0.50	..	..	..	..
34.95	0.40	..	..	..	..
34.99	0.50	..	..	..	..
34.51	4.60	..	..	..	Z-5:30-0	
34.49	4.60	..	..	..	50-0	
34.95	4.40	..	..	..	75-0	
35.72	3.05	..	..	..	200-0	
35.69	1.45	..	..	..	..
34.97	0.45	..	..	..	..
34.98	0.50	..	..	..	..
35.03	0.60	..	..	..	..
34.97	0.45	..	..	..	..
35.14	0.60	..	..	..	..
35.16	0.60	..	..	..	..
35.23	0.45	..	..	..	..
35.17	0.50	..	..	..	..
35.14	0.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						800	8.46
						1000	7.35
						1200	6.27
1884	20-8-1963	1110—1255	10° 49' N	74° 49' E	1800	0	26.92
						10	27.18
						20	27.41
						30	26.34
						50	20.62
						75	19.71
						100	19.16
						150	17.20
						200	14.47
						300	12.38
						400	11.15
						500	10.54
1885	20-8-1963	1405—1525	10° 54' N	74° 57' E	1400	0	26.82
						10	27.21
						20	27.09
						30	26.62
						50	21.07
						75	20.69
						100	..
						150	17.46
						200	14.21
						300	11.78
						400	11.04
						500	10.41
1886	20-8-1963	1655—1745	10° 57' N	75° 07' E	160	0	26.84
						10	27.18
						20	27.29
						30	25.34
						50	21.82
						75	21.20
						100	20.82
						150	18.16
1887	20-8-1963	1910—1945	11° 04' N	75° 20' E	60	0	26.90
						10	26.92
						20	26.70
						30	24.28
						50	22.12

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.09	0.55	..	..	..	..	..
34.99	0.90	..	..	..	..	..
34.97	1.10	..	..	..	..	..
30.88	4.70	..	..	..	Z-5:30-0	..
33.89	4.35	..	..	..	50-0	..
35.81	4.00	..	..	..	75-0	..
35.90	2.52	..	..	..	100-0	..
34.78	0.75	..	..	..	200-0	..
34.79	0.75	..	..	..	..	..
34.74	0.60	..	..	..	..	..
34.97	0.65	..	..	..	..	..
35.03	0.45	..	..	..	..	..
25.10	0.50	..	..	..	..	..
35.16	0.45	..	..	..	..	..
35.12	0.10	..	..	..	..	..
31.06	5.20	..	..	..	Z-5:30-0	..
33.82	4.40	..	..	..	50-0	..
35.71	3.00	..	..	..	75-0	..
35.70	2.50	..	..	..	100-0	..
34.94	0.60	..	..	..	200-0	..
34.92	0.55	..	..	..	..	..
34.81	0.64	..	..	..	..	..
34.97	0.68	..	..	..	..	..
35.12	0.55	..	..	..	..	..
35.14	0.40	..	..	..	..	..
35.16	0.35	..	..	..	..	..
35.17	0.40	..	..	..	..	..
31.96	4.80	..	..	..	Z-5:30-0	..
32.83	4.70	..	..	..	50-0	..
35.48	3.35	..	..	..	75-0	..
35.52	2.20	..	..	..	100-0	..
34.94	0.55	..	..	..	150-0	..
34.88	0.60	..	..	..	..	..
34.87	0.40	..	..	..	..	..
34.96	0.45	..	..	..	..	..
32.30	4.65	..	..	..	Z-2:30-0	..
32.48	4.50	..	..	..	50-0	..
35.66	2.60	..	..	..	..	..
35.46	1.65	..	..	..	..	..
34.97	0.85	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1888	20-8-1963	2010—2110	11° 07' N	75° 27' E	48	0	26.71
						10	26.21
						20	25.47
						30	23.22
						40	23.22
1889	20-8-1963	2205—2235	11° 10' N	75° 34' E	32	0	26.74
						10	26.03
						20	24.11
						30	23.35
1890	20-8-1963	2335—2400	11° 14' N	75° 41' E	20	0	26.42
						10	24.81
						15	24.03
1891	21-8-1963	0520—0537	11° 49' N	75° 17' E	18	0	24.81
						10	23.26
						15	23.25
1892	21-8-1963	0607—0637	11° 46' N	75° 13' E	37	0	26.31
						10	23.63
						20	23.02
						30	22.93
1893	21-8-1963	0715—0730	11° 44' N	75° 08' E	46	0	26.20
						10	25.39
						20	23.14
						30	22.19
						40	22.25
1894	21-8-1963	0815—0850	11° 41' N	75° 03' E	52	0	25.60
						10	26.50
						20	24.00
						30	22.24
						40	21.95
						50	21.99
1895	21-8-1963	1010—1045	11° 37' N	74° 54' E	65	0	26.40
						10	27.48
						20	24.91
						30	23.26
						50	21.52

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
32.99	4.70	..	..	..	Z-2:30-0	
35.21	2.55	..	..	..	40-0	
35.57	1.85	..	..	..	..
35.03	0.60	..	..	..	..
34.97	0.55	..	..	..	..
32.27	4.85	..	..	..	Z-1:28-0	
34.54	5.90	..	..	..	..
35.08	1.00	..	..	..	..
34.92	0.20	..	..	..	..
31.98	4.40	..	..	..	Z-1:15-0	
34.81	5.05	..	..	..	..
34.96	0.20	..	..	..	..
..	4.95	..	..	..	..
35.01	0.05	..	..	..	..
34.96	0.05	..	..	..	..
30.95	4.80	..	..	..	Z-1:30-0	
35.24	0.50	..	..	..	..
35.16	0.30	..	..	..	..
35.12	0.30	..	..	..	..
30.01	4.65	..	..	..	Z-1:40-0	
34.94	3.95	..	..	..	..
35.23	0.40	..	..	..	..
35.03	0.10	..	..	..	..
35.14	0.10	..	..	..	..
30.28	4.50	..	..	..	Z-1:40-0	
34.69	3.10	..	..	..	..
35.07	0.90	..	..	..	..
35.10	0.35	..	..	..	..
35.08	0.20	..	..	..	..
35.25	0.10	..	..	..	..
30.10	4.10	..	..	..	Z-2:30-0	
33.46	4.30	..	..	..	50-0	
35.10	6.00	..	..	..	..
35.32	1.70	..	..	..	..
35.07	0.20	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1896	21-8-1963	1205—1300	11° 30' N	74° 45' E	180	0	26.60
						10	27.57
						20	26.87
						30	24.68
						50	22.89
						75	20.87
						100	19.07
150	17.02						
1897	21-8-1963	2000—2100	12° 04' N	74° 34' E	134	0	26.70
						10	27.03
						20	26.38
						30	25.86
						50	22.23
						75	21.95
						100	19.90
130	19.08						
1898	21-8-1963	2220—2300	12° 07' N	74° 40' E	80	0	26.30
						10	26.27
						20	22.70
						30	22.04
						50	21.42
						75	21.18
1899	21-8-1963	2350—0025	12° 10' N	74° 46' E	60	0	25.40
						10	25.86
						20	22.58
						30	21.96
						50	21.60
1900	22-8-1963	0125—0150	12° 13' N	74° 53' E	46	0	25.60
						10	23.95
						20	23.13
						30	24.38
1901	22-8-1963	0250—0320	12° 17' N	74° 38' E	20	0	26.00
						10	..
						15	..
1902	5-9-1963	0520—0635	08° 29' N	76° 52' E	32	0	25.49
						10	25.46
						20	25.06
						30	24.95

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
30.79	4.40	..	..	..	Z-5:30-0	
33.46	4.60	..	..	..	50-0	
35.05	3.30	..	..	..	75-0	
35.59	1.30	..	..	..	100-0	
35.43	1.15	..	..	..	150-0	
35.22	0.80	..	..	..	..
34.88	0.55	..	..	..	..
34.97	0.45	..	..	..	..
31.33	4.50	..	..	..	Z-4:30-0	
31.40	4.40	..	..	..	50-0	
35.71	3.15	..	..	..	75-0	
34.45	1.85	..	..	..	100-0	
35.17	1.05	..	..	..	..
35.14	1.00	..	..	..	..
35.03	0.70	..	..	..	..
34.94	0.65	..	..	..	..
30.84	4.60	..	..	..	Z-3:30-0	
31.69	4.35	..	..	..	50-0	
34.92	0.45	..	..	..	70-0	
34.88	0.30	..	..	..	..
34.88	0.35	..	..	..	..
34.87	0.40	..	..	..	..
31.00	4.75	..	..	..	Z-2:30-0	
34.25	2.70	..	..	..	50-0	
34.88	0.45	..	..	..	..
34.94	0.30	..	..	..	..
34.81	0.55	..	..	..	..
31.44	4.90	..	..	..	Z-1:30-0	
35.03	0.90	..	..	..	..
35.10	0.20	..	..	..	..
35.11	0.15	..	..	..	..
31.08	4.55	..	..	..	Z-1:15-0]	
35.03	0.50	..	..	..	..
35.05	0.05	..	..	..	..
34.40	4.80	..	..	..	Z-1:25-0]	
..	2.90	..	..	..	..
34.79	3.35	..	..	..	..
34.69	4.80	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1903	5-9-1963	0715—0838	08° 26' N	76° 48' E	48	0	25.85
						10	25.94
						20	24.74
						30	24.55
1904	5-9-1963	1000—1055	08° 21' N	76° 44' E	67	0	27.48
						10	27.61
						20	27.63
						30	27.75
						50	23.90
1905	5-9-1963	1255—	08° 17' N	76° 40' E	114	0	28.00
						10	27.11
						20	27.45
						30	26.28
						50	23.60
						75	20.13
100	18.21						
1906	5-9-1963	..	08° 12' N	76° 35' E	240	0	27.12
						10	26.79
						20	..
						30	25.92
						50	22.02
						75	20.53
						100	18.75
						150	14.77
200	12.85						
1907	5-9-1963	1910—1950	08° 52' N	76° 33' E	22	0	26.46
						10	25.87
						20	25.14
1908	5-9-1963	2035—2115	08° 48' N	76° 27' E	44	0	26.78
						10	26.39
						20	24.75
						30	24.37
1909	5-9-1963	2200—2240	08° 45' N	76° 22' E	56	0	26.90
						10	26.23
						20	24.93
						30	23.92
						50	23.55

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.72	5.90	..	..	..	Z-1:40-0	
34.70	5.95	..	..	..	P-1:0	
34.81	2.75	..	..	..	..
34.70	2.55	..	..	..	..
35.01	4.80	..	..	..	Z-3:30-0	
35.07	5.00	..	..	..	50-0	
35.10	5.10	..	..	..	60-0	
35.35	4.40	..	..	..	P-1:0	
34.85	1.90	..	..	..	..
34.99	5.68	..	..	..	Z-4:30-0	
34.76	5.75	..	..	..	50-0	
35.12	4.15	..	..	..	75-0	
35.37	3.15	..	..	..	105-0	
34.92	1.65	..	..	..	P-1:0	
34.96	1.05	..	..	..	..
34.83	0.75	..	..	..	..
34.45	5.65	..	..	..	Z-6:30-0	
34.58	4.90	..	..	..	50-0	
35.52	4.20	..	..	..	75-0	
35.34	2.90	..	..	..	100-0	
					200-0(2)	
34.87	1.40	..	..	..	P-1:0	
34.83	1.00	..	..	..	..
34.72	1.00	..	..	..	..
..	0.95	..	..	..	..
34.92	0.85	..	..	..	..
33.42	4.95	..	..	..	Z-1:15-0	
34.74	4.55	..	..	..	P-1:15-0	
34.69	3.05	..	..	..	..
34.02	6.55	..	..	..	Z-2:30-0	
34.94	4.30	..	..	..	40-0	
34.87	2.05	..	..	..	P-1:35-0	
34.78	2.56	..	..	..	..
34.40	6.75	..	..	..	..
34.67	6.10	..	..	..	..
35.01	2.20	..	..	..	..
34.88	1.25	..	..	..	..
34.83	1.30	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1910	5-9-1963	2305—2400	08° 41' N	76° 17' E	67	0	27.50
						10	27.43
						20	26.57
						30	25.62
						50	23.14
1911	6-9-1963	0035—0110	08° 38' N	76° 13' E	200	0	27.80
						10	28.18
						20	29.19
						30	26.03
						50	23.96
						75	22.01
						100	18.72
150	15.96						
1912	6-9-1963	0225—0350	08° 23' N	76° 04' E	820	0	28.10
						10	28.10
						20	28.32
						30	28.11
						50	26.10
						75	21.47
						100	19.17
						150	15.73
200	15.54						
1913	6-9-1963	0510—0800	08° 26' N	75° 56' E	1100	0	27.90
						10	28.11
						20	28.10
						30	28.16
						50	28.13
						75	26.38
						100	22.51
						150	17.90
						200	14.76
						300	..
						400	10.99
						500	10.03
600	9.45						
700	8.78						
800	8.05						
1000	6.80						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.52	6.00	..	..	..	Z-3:30-0	
34.45	5.95	..	..	..	50-0	
34.34	6.10	..	..	..	60-0	
34.61	3.85	..	..	..	P-1:50-0	
35.07	1.15	..	..	..	..
34.29	5.35	..	..	..	..
34.24	5.00	..	..	..	..
35.61	4.70	..	..	..	..
35.12	3.45	..	..	..	..
35.05	2.20	..	..	..	..
34.94	1.20	..	..	..	..
34.87	1.15	..	..	..	..
35.01	0.95	..	..	..	..
34.38	4.90	..	..	..	Z-6:30-0	
34.34	4.80	..	..	..	50-0	
35.44	4.85	..	..	..	75-0	
35.57	4.95	..	..	..	100-0	
35.52	3.49	..	..	..	200-0(2)	
34.94	1.39	..	..	..	..
34.85	1.05	..	..	..	..
35.14	1.10	..	..	..	..
35.05	1.00	..	..	..	..
34.02	4.95	..	..	..	Z-6:30-0	
34.02	4.90	..	..	..	50-0	
33.98	5.30	..	..	..	75-0	
34.07	5.20	..	..	..	200-0(2)	
35.84	3.95	..	..	..	P-1:0	
35.03	5.50	..	..	..	..
35.08	1.85	..	..	..	..
34.97	0.95	..	..	..	..
34.92	0.95	..	..	..	..
35.44	..	..	..	..	..
35.23	0.90	..	..	..	..
35.14	0.90	..	..	..	..
35.03	1.05	..	..	..	..
35.01	1.09	..	..	..	..
35.01	1.09	..	..	..	..
34.96	1.05	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1914	6-9-1963	1655—1740	09° 11' N	76° 22' E	18	0	27.28
						10	25.91
1915	6-9-1963	1830—1900	09° 08' N	76° 16' E	44	0	27.30
						10	26.29
						20	25.06
						30	24.42
1916	6-9-1963	2045—2055	09° 05' N	76° 10' E	58	0	27.70
						10	27.68
						20	28.08
						30	26.15
						50	23.43
1917	6-9-1963	2140—2200	09° 02' N	76° 04' E	72	0	27.60
						10	27.94
						20	28.31
						30	27.78
						50	23.91
1918	6-9-1963	2245—0030	08° 59' N	75° 59' E	190	0	27.95
						10	28.13
						20	28.27
						30	27.83
						50	23.24
						75	21.20
						100	19.10
150	15.45						
1919	7-9-1963	0430—0600	08° 57' N	75° 47' E	119	0	28.19
						10	28.30
						20	28.28
						30	28.40
						50	24.8
						75	21.44
100	19.15						
1920	7-9-1963	0645—0720	09° 28' N	75° 53' E	75	0	28.00
						10	28.20
						20	28.30

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.70	6.75	..	..	WSW 3C	Z-1:12-0	
34.69	5.50	..	..	..	P-1:10-0	
34.49	..	..	..	..	Z-2:30-0	
34.56	6.55	..	..	..	40-0	
34.90	2.90	..	..	..	P-1:35-0	
35.05	1.70	..	..	..	..
34.43	5.75	..	..	..	Z-3:30-0	
34.56	6.40	..	..	..	50-0(2)	
35.66	4.95	..	..	..	P-1:45-0	
35.21	3.25	..	..	..	..
34.96	1.05	..	..	..	..
34.41	5.10	..	..	..	..
34.38	5.10	..	..	..	..
35.46	4.65	..	..	..	..
35.55	4.15	..	..	..	..
34.94	1.35	..	..	..	..
34.45	4.80	W/10-C	..	..	Z-5:30-0	
34.43	4.75	..	..	..	50-0	
35.46	4.55	..	..	..	75-0	
35.64	4.05	..	..	..	100-0	
35.03	1.55	..	..	..	180-0	
					P-1:0	
34.88	1.00	..	..	..	..
34.85	0.70	..	..	..	..
34.96	0.50	..	..	..	..
34.43	..	NNW 2	..	..	Z-5:30-0	
					50-0	
34.40	4.65	..	..	..	75-0	
34.51	4.70	..	..	..	100-0	
35.53	4.43	..	..	..	110-0	
35.44	4.70	..	..	..	P-1:105-0	
34.94	2.25	..	..	..	..
34.85	0.90	..	..	..	..
34.61	4.80	..	..	..	Z-3:30-0	
					50-0	
34.58	4.72	..	..	..	70-0	
35.32	4.75	..	..	..	P-1:65-0	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						30	27.78
						50	22.84
1921	7-9-1963	0805—0855	09° 30' N	75° 59' E	54	0	27.90
						10	27.69
						20	26.16
						30	25.08
						50	23.26
1922	7-9-1963	0930—1000	09° 31' N	76° 05' E	>30	0	29.80
						10	27.89
						20	27.76
						30	27.34
1923	7-9-1963	1035—1100	09° 33' N	76° 11' E	18	0	27.90
						10	26.86
1924	20-9-1963	0230—0310	16° 59' N	73° 14' E	>20	0	28.20
						10	25.26
						20	24.28
1925	20-9-1963	0425—0455	16° 57' N	73° 03' E	>50	0	27.61
						10	28.05
						20	24.74
						30	23.91
						50	23.58
1926	20-9-1963	0620—0645	16° 56' N	72° 52' E	65	0	27.29
						10	28.42
						20	27.94
						30	25.65
						50	23.02
						63	21.69
1927	20-9-1963	0805—0825	16° 55' N	72° 41' E	73	0	27.30
						10	28.13
						20	27.90
						30	26.94
						50	23.76
						70	21.48

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.59	4.25	..	..	..	..
34.96	0.95	..	..	..	..
34.29	5.00	..	..	..	Z-2:30-0	
34.78	5.20	..	..	..	50-0	
35.44	2.85	..	..	..	P-1:45-0	
35.23	2.35	..	..	..	..
34.92	0.80	..	..	..	..
33.58	5.15	..	..	..	Z-2:30-0	
33.89	5.50	..	..	..	35-0	
35.07	2.80	..	..	..	P-1:30-0	
35.32	1.70	..	..	..	..
33.64	5.65	WNW	..	..	Z-1:15-0	
		5	..	..	..
34.65	5.75	..	..	..	P-1:15-0	
28.96	5.20	N/3-C	..	..	Z-1:15-0	
35.79	2.10	..	..	..	..
35.88	0.40	..	..	..	..
31.82	4.35	NNW	..	..	Z-1:45-0	
		3-B	..	..	..
35.81	..	..	..	..	..
35.88	..	..	..	..	..
35.79	2.80	..	..	..	..
35.48	4.85	..	..	..	..
32.56	4.70	..	..	..	Z-1:60-0	
35.30	5.20	..	..	..	..
36.86	4.45	..	..	..	..
35.90	3.00	..	..	..	..
35.91	1.40	..	..	..	..
35.86	1.35	..	..	..	..
33.96	4.75	..	..	..	Z-1:70-0	
36.06	4.95	..	..	..	..
36.06	4.10	..	..	..	..
36.56	4.00	..	..	..	..
36.17	2.40	..	..	..	..
35.84	3.40	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1928	20-9-1963	0945—	16° 54' N	72° 30' E	90	0	27.72
						10	28.03
						20	27.96
						30	27.70
						50	23.49
						75	21.07
						85	20.65
1929	20-9-1963	1020—1140	16° 54' N	72° 18' E	100	0	27.95
						10	28.05
						20	27.92
						30	27.40
						50	24.23
						75	21.12
						95	19.55
1930	20-9-1963	1300	16° 51' N	71° 42' E	350	0	29.15
						10	28.20
						20	28.02
						30	27.88
						50	24.31
						75	22.40
						100	20.32
						150	17.25
						200	15.10
						300	13.16
1931	20-9-1963	1635—1720	16° 49' N	71° 36' E	1700	0	28.00
						10	28.20
						20	27.94
						30	27.80
						50	25.20
						75	22.49
						100	19.82
						150	18.65
						200	15.51
						300	12.99
1932	20-9-1963	2025—2140	16° 47' E	71° 15' E	2040	0	28.00
						10	28.20
						20	28.06

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
36.04	4.50	..	..	..	Z-1:85-0	
35.97	4.77	..	..	..	..
36.08	4.75	..	..	..	..
36.08	4.50	..	..	..	..
36.08	2.40	..	..	..	..
35.70	0.80	..	..	..	..
35.64	0.70	..	..	..	..
36.02	4.85	N/3-6	..	..	Z-1:95-0	
36.00	4.80	..	..	..	..
36.04	4.75	..	..	..	..
36.22	4.20	..	..	..	..
36.06	2.65	..	..	..	..
35.70	0.50	..	..	..	..
36.68	0.50	..	..	..	..
36.04	4.70	..	..	..	Z-1:200-0	
36.18	4.80	..	..	..	..
36.00	4.85	..	..	..	..
36.08	4.90	..	..	..	..
36.20	2.80	..	..	..	..
35.93	1.80	..	..	..	..
35.73	0.55	..	..	..	..
35.43	0.65	..	..	..	..
35.68	0.50	..	..	..	..
35.41	0.25	..	..	..	..
36.67	4.55	..	..	..	..
36.27	4.60	..	..	..	..
34.58	4.50	..	..	..	..
36.35	4.50	..	..	..	..
36.15	3.30	..	..	..	..
35.90	..	..	..	..	..
35.55	0.35	..	..	..	..
35.53	0.25	..	..	..	..
35.53	0.25	..	..	..	..
35.43	0.20	..	..	..	..
35.43	0.25	..	..	..	..
35.37	0.15	..	..	..	..
36.55	4.65	NNW	..	..	Z-1:200-0	
		3				
36.49	4.55	..	..	..	..
36.47	5.00	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						30	27.86
						50	25.05
						75	24.12
						100	23.18
						150	17.30
						200	14.95
						300	13.32
						400	12.59
						500	..
1933	21-9-1963	0630—0715	16° 21' N	72° 19' E	180	0	27.85
						10	28.30
						20	28.27
						30	28.10
						50	26.30
						75	22.80
						100	20.36
						150	16.50
1934	21-9-1963	0830—0910	16° 23' N	72° 29' E	106	0	27.77
						10	28.35
						20	28.21
						30	28.10
						50	26.99
						75	22.41
						100	20.32
1935	21-9-1963	1025—1045	16° 24' N	72° 39' E	84	0	27.58
						10	28.15
						20	27.73
						30	26.13
						50	22.90
						75	22.36
1936	21-9-1963	1200—1220	16° 26' N	72° 49' E	72	0	28.10
						10	28.41
						20	26.10
						30	24.17
						50	22.86
1937	21-9-1963	1330—1400	16° 27' N	72° 59' E	55	0	28.05
						10	28.13

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
36.55	4.65	..	..	..	..
36.18	3.20	..	..	..	..
36.17	2.85	..	..	..	..
36.00	1.53	..	..	..	..
35.44	0.30	..	..	..	..
35.43	0.20	..	..	..	..
35.46	0.55	..	..	..	..
35.44	0.45	..	..	..	..
35.43	0.35	..	..	..	..
36.15	4.55	..	..	..	Z-1:175-0	
36.20	4.51	..	..	..	P-1:0	
36.09	4.55	..	..	..	..
36.13	4.55	..	..	..	..
36.15	3.75	..	..	..	..
36.00	1.65	..	..	..	..
35.62	0.40	..	..	..	..
35.37	0.30	..	..	..	..
34.76	4.60	..	..	..	Z-1:100-0	
35.97	4.75	..	..	..	..
36.02	4.55	..	..	..	..
36.02	4.60	..	..	..	..
36.20	3.85	..	..	..	..
35.75	1.05	..	..	..	..
35.30	0.25	..	..	..	..
33.10	4.75	..	..	..	Z-1:80-0	
35.77	4.80	..	..	..	..
36.00	4.50	..	..	..	..
36.33	3.65	..	..	..	..
35.81	0.30	..	..	..	..
35.71	0.25	..	..	..	..
33.42	4.65	3N	..	..	Z-1:67-0	
33.44	4.65	..	..	..	..
36.02	3.00	..	..	..	..
35.91	1.05	..	..	..	..
35.86	0.35	..	..	..	..
32.36	4.65	..	..	..	Z-1:48-0	
35.39	4.65	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
						20	26.77
						30	24.00
						50	23.16
1938	21-9-1963	1500—1515	16° 28' N	73° 10' E	34	0	27.50
						10	25.26
						20	23.97
						30	23.56
1939	21-9-1963	1610—1635	16° 30' N	73° 18' E	16	0	26.65
						10	26.17
						14	24.14
1940	21-9-1963	2215—2235	16° 03' N	73° 25' E	22	0	27.20
						10	26.89
						20	24.01
1941	21-9-1963	2315—2355	15° 58' N	73° 18' E	37	0	28.05
						10	27.28
						20	25.04
						30	23.81
1942	22-9-1963	0025—0045	15° 57' N	73° 13' E	<50	0	27.95
						10	28.39
						20	27.78
						30	25.31
						50	22.38
1943	22-9-1963	0140—0215	15° 54' N	73° 06' E	70	0	28.00
						10	28.44
						20	28.09
						30	28.68
						50	22.90
						68	21.39
1944	22-9-1963	0325—0400	15° 51' N	72° 56' E	102	0	27.80
						10	28.42
						20	28.36
						30	27.80
						50	23.83
						75	21.34
						100	19.18

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
36.11	3.75	..	..	..	..
36.20	1.65	..	..	..	..
35.90	1.25	..	..	..	..
33.87	4.60	..	..	..	Z-1:30-0	
36.02	4.65	..	..	..	..
35.99	1.30	..	..	..	..
35.90	0.70	..	..	..	..
35.28	3.45	..	..	..	Z-1:11-0	
35.81	3.00	..	..	..	..
35.68	0.51	..	..	..	..
35.14	4.40	..	..	..	Z-1:17-0	
35.42	4.28	..	..	..	..
35.77	0.85	..	..	..	..
32.88	4.60	..	..	..	Z-1:32-0	
35.66	4.90	..	..	..	..
36.02	2.55	..	..	..	..
35.97	1.70	..	..	..	..
32.50	4.10	NNW	..	..	Z-1:45-0	
		3				
34.90	4.45	..	..	..	..
35.79	4.55	..	..	..	..
35.90	2.70	..	..	..	..
35.73	0.50	..	..	..	..
32.74	4.50	..	..	..	Z-1:65-0	
35.86	4.60	..	..	..	..
35.82	4.70	..	..	..	..
36.13	4.35	..	..	..	..
35.90	0.95	..	..	..	..
35.68	0.50	..	..	..	..
33.30	4.50	..	..	..	Z-1:95-0	
35.73	5.05	..	..	..	..
35.79	4.45	..	..	..	..
36.09	4.60	..	..	..	..
35.93	1.90	..	..	..	..
35.84	0.70	..	..	..	..
35.43	0.30	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C
			Lat.	Long.			
1945	22-9-1963	0455—	15° 50' N	72° 45' E	190	0	27.70
						10	28.33
						20	28.21
						30	28.06
						50	25.75
						75	21.21
						100	18.21
						150	15.86
						180	14.70
1946	22-9-1963	0940—1045	15° 23' N	72° 53' E	216	0	22.89
						10	28.25
						20	28.22
						30	27.98
						50	26.10
						75	21.76
						100	20.36
						150	16.18
						200	14.47
1947	22-9-1963	1225—1300	15° 26' N	73° 05' E	100	0	28.20
						10	28.22
						20	28.41
						30	28.37
						50	27.70
						75	21.76
						98	20.80
1948	22-9-1963	1435—	15° 29' N	73° 15' E	60	0	28.50
						10	28.09
						20	28.54
						30	26.88
						50	23.62
						58	23.21
1949	22-9-1963	1600—1620	15° 32' N	15° 32' E	46	0	28.24
						10	27.18
						20	26.38
						30	23.70
						43	23.55
1950	22-9-1963	1750—1810	15° 34' N	73° 33' E	36	0	27.39
						10	25.66

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.71	4.55	..	..	..	Z-1:185-0	
35.77	4.50	..	..	..	P-1:0	
35.68	4.90	..	..	..	..
35.93	4.79	..	..	..	..
36.11	3.35	..	..	..	..
35.68	0.70	..	..	..	..
35.53	0.15	..	..	..	..
35.26	0.15	..	..	..	..
35.46	0.10	..	..	..	..
35.25	..	NNW 3	..	200	Z-1:200-0	
35.84	..	..	..	..	P-1:0	
36.08	..	..	..	..	..
34.38	..	..	..	..	..
34.38	..	..	..	..	..
35.66	..	..	..	..	..
35.55	..	..	..	..	..
35.32	..	..	..	..	..
35.35	..	..	..	..	..
34.20	..	..	..	..	Z-1:95-0	
35.19	..	..	..	..	..
35.82	..	..	..	..	..
35.93	..	..	..	..	..
36.27	..	..	..	..	..
35.66	..	..	..	..	..
35.48	..	..	..	..	..
34.69	..	..	..	..	Z-1:55-0	
34.76	..	..	..	..	..
35.77	..	..	..	..	..
35.46	..	..	..	..	..
35.79	..	..	..	..	..
35.84	..	..	..	..	..
34.96	..	..	..	..	Z-1:40-0	
35.14	..	..	..	..	..
35.91	..	..	..	..	..
35.66	..	..	..	..	..
35.81	..	..	..	..	..
34.58	..	..	..	..	Z-1:30-0	
35.37	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						20	23.95
						30	23.53
1951	22-9-1963	1855—1915	15° 35' N	73° 39' E	18	0	27.69
						10	24.46
						17	23.80
1952	22-9-1963	2230—2245	15° 15' N	73° 50' E	18	0	26.65
						10	23.84
						17	23.60
1953	22-9-1963	2330—2350	15° 13' N	73° 44' E	34	0	27.15
						10	25.18
						20	23.23
						30	23.24
1954	23-9-1963	0035—0100	15° 11' N	73° 39' E	50	0	27.25
						10	26.77
						20	24.87
						30	23.08
						48	23.13
1955	23-9-1963	0140—0000	15° 09' N	73° 33' E	58	0	27.35
						10	25.70
						20	24.97
						30	23.75
						50	22.47
1956	23-9-1963	0335—0400	15° 04' N	73° 20' E	96	0	27.95
						10	28.08
						20	27.13
						30	23.20
						50	21.13
						75	20.86
						90	20.18
1957	23-9-1963	0530—0620	14° 57' N	73° 05' E	190	0	28.10
						10	28.29
						20	28.52
						30	28.16
						50	24.36
						75	21.37
						100	20.17

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.68	..	..	..	..	..
35.62	..	..	..	..	..
33.96	..	..	..	..	Z-1:15-0	
35.66	..	..	..	..	..
35.57	..	..	..	..	..
34.79	3.15	..	..	..	Z-1:15-0	
35.53	0.20	..	..	..	..
35.48	0.25	..	..	..	..
34.61	4.10	..	..	..	..
35.68	1.15	..	..	..	..
35.41	0.45	..	..	..	..
35.46	0.40	..	..	..	..
34.31	4.75	..	..	..	Z-45-0 m(1)	
34.88	4.50	..	..	..	P-45-0 m(1)	
36.22	0.85	..	..	..	..
34.69	0.45	..	..	..	..
35.53	0.40	..	..	..	..
34.14	4.40	NW3	..	..	Z-53-0 m(1)	
35.48	2.45	..	..	..	P-53-0 m(1)	
35.93	1.45	..	..	..	..
35.73	1.15	..	..	..	..
35.48	0.75	..	..	..	..
34.92	4.70	..	..	..	Z-90-0 m(1)	
35.25	4.85	..	..	..	P-90-0 m(1)	
35.75	4.30	..	..	..	..
35.93	1.15	..	..	..	..
35.08	0.80	..	..	..	..
35.19	0.60	..	..	..	..
35.34	0.45	..	..	..	..
34.67	4.65	..	..	..	Z-185-0 m(1)	
34.56	4.57	..	..	..	P-185-0 m(1)	
35.79	4.85	..	..	..	..
36.04	4.55	..	..	..	..
35.84	1.70	..	..	..	..
35.30	0.90	..	..	..	..
35.43	0.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						150	16.20
						180	17.35
1958	23-9-1963	1220—1330	14° 22' N	72° 20' E	2000	0	28.70
						10	28.36
						20	28.33
						30	28.25
						50	25.50
						75	22.00
						100	18.30
						150	17.81
						200	15.42
						300	14.18
						400	11.68
						500	11.05
1959	23-9-1963	1655—0000	14° 28' N	72° 44' E	450	0	28.55
						10	28.60
						20	28.37
						30	28.28
						50	26.98
						75	22.39
						100	18.95
						150	16.98
						200	15.14
						300	13.32
						400	11.88
1960	23-9-1963	2045—2135	14° 35' N	73° 09' E	208	0	28.51
						10	28.64
						20	27.48
						30	25.66
						50	22.30
						75	20.55
						100	19.73
						150	16.41
						200	14.83
1961	23-9-1963	2328—2400	14° 39' N	73° 26' E	100	0	28.24
						10	28.54
						20	26.44
						30	25.35
						50	23.63

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.26	0.35	..	..	..	..
35.30	0.75	..	..	..	..
36.02	4.65	..	..	..	Z—200—0 m(1)	
35.93	4.70	..	..	..	P—200—0 m(1)	
35.93	4.60	..	..	..	..
36.00	4.70	..	..	..	..
36.06	2.70	..	..	..	..
35.61	1.10	..	..	..	..
35.16	0.60	..	..	..	..
35.10	0.45	..	..	..	..
35.12	0.30	..	..	..	..
35.19	0.65	..	..	..	..
35.21	0.45	..	..	..	..
35.21	0.50	..	..	..	..
35.39	4.90	..	..	..	Z—200—0 m(1)	
35.52	4.85	..	..	..	P—200—0 m(1)	
35.84	4.85	..	..	..	..
35.82	..	..	..	..	..
36.09	..	..	..	..	..
35.64	..	..	..	..	..
35.16	..	..	..	..	..
35.25	..	..	..	..	..
35.25	..	..	..	..	..
35.30	..	..	..	..	..
35.16	..	..	..	..	..
34.56	..	..	..	..	Z—200—0 m(1)	
34.54	..	..	..	..	P—200—0 m(1)	
35.68	..	..	..	..	..
35.95	..	..	..	..	..
35.66	..	..	..	..	..
35.35	..	..	..	..	..
35.35	..	..	..	..	..
35.23	..	..	..	..	..
35.26	..	..	..	..	..
34.56	..	WNW/9	..	..	..
34.56	..	..	..	..	Z—90—0 m(1)	
35.50	..	..	..	..	P—90—0 m(1)	
35.75	..	..	..	..	..
35.79	..	..	..	..	..
35.08	..	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	20.87
						90	20.88
1962	24-9-1963	0155—0215	14° 43' N	73° 42' E	55	0	28.10
						10	28.09
						20	26.10
						30	23.93
						50	22.54
1963	24-9-1963	0250—0315	14° 45' N	73° 48' E	50	0	27.80
						10	27.89
						20	27.10
						30	24.85
						48	23.13
1964	24-9-1963	0355—0405	14° 47' N	73° 54' E	26	0	27.30
						10	26.38
						20	24.22
1965	24-9-1963	0445—0550	14° 49' N	74° 01' E	20	0	26.80
						10	25.67
						18	23.10
1966	24-9-1963	1130—1140	14° 29' N	74° 17' E	18	0	28.00
						10	22.95
						15	22.88
1967	24-9-1963	1220—1230	14° 22' N	74° 10' E	34	0	28.90
						10	26.24
						20	24.51
						30	22.89
1968	24-9-1963	1315—1335	14° 20' N	74° 04' E	40	0	28.50
						10	27.53
						20	25.95
						30	22.86
1969	24-9-1963	1410—1435	14° 19' N	73° 58' E	50	0	28.50
						10	28.08
						20	26.26
						30	24.64
						48	22.78

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.14	
34.42	..	NNW/5	..	..	Z—53—0 m(1)	
35.10	P—53—0 m(1)	
36.02	
35.57	
35.62	
34.47	Z : 45—0 m(1)	
34.56	P : 45—0 m(1)	
35.43	
35.59	
35.91	
35.03	Z : 21—0 m(1)	
35.66	P : 21—0 m(1)	
35.75	
34.34	Z : 15—0 m(1)	
35.68	P : 15—0 m(1)	
35.35	
34.56	
35.12	
35.07	
33.96	Z : 30—0 m(1)	
35.86	P : 30—30 m(1)	
35.57	
35.23	
34.45	Z : 35—0 m(1)	
35.41	P : 35—0 m(1)	
35.79	
35.17	
34.40	Z : 45—0 m(1)	
35.21	P : 45—0 m(1)	
35.75	
35.73	
35.34	

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1970	24-9-1963	1600—1620	14° 16' N	73° 46' E	64	0	28.80
						10	28.38
						20	27.80
						30	27.79
						50	22.70
						60	22.39
1971	24-9-1963	1745—1815	14° 14' N	73° 34' E	98	0	28.50
						10	28.62
						20	28.30
						30	27.77
						50	21.01
						75	19.63
95	19.56						
1972	24-9-1963	1930—1945	14° 10' N	73° 19' E	210	0	28.80
						10	28.69
						20	28.40
						30	26.11
						50	22.99
						75	20.47
						100	19.21
						200	14.56
1973	15-10-1962	....	..	..	..	..	..
1974	18-10-1963	1810—1910	09° 57' N	76° 09' E	20	0	29.30
						10	26.29
1975	18-10-1963	1950—2015	09° 56' N	76° 02' E	26	0	29.25
						10	27.59
						20	25.02
1976	18-10-1963	2115—2230	09° 52' N	75° 50' E	36	0	29.38
						10	28.86
						25	26.88
1977	19-10-1963	0015—0132	09° 48' N	75° 35' E	340	0	28.85
						10	29.09
						25	28.31

S‰.	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.49	..	..	..	..	Z : 60—0 m(1)	
35.25	..	..	..	..	P : 60—0 m(1)	
35.46	..	..	..	..	..
35.82	..	..	..	..	..
35.59	..	..	..	..	..
35.30	..	..	..	..	..
34.87	..	..	..	..	Z : 93—0 m(1)	
34.85	..	..	..	..	P : 93—0 m(1)	
35.64	..	..	..	..	..
35.91	..	..	..	..	..
34.88	..	..	..	..	..
34.90	..	..	..	..	..
34.88	..	..	..	..	..
34.47	..	..	..	..	Z : 200—0 m(1)	
34.27	..	..	..	..	P : 200—0 m(1)	
34.58	..	..	..	..	..
35.61	..	..	..	..	..
35.62	..	..	..	..	..
35.70	..	..	..	..	..
35.25	..	..	..	..	..
35.10	..	..	..	..	..
35.07	..	..	..	..	..
..	..	..	..	..	..	Methodo- logical cruise 40 miles off Cochin.
30.32	..	NW/4	..	..	Z : 15—0 m(1)	
35.25	..	..	..	..	10—0 m(1)	
					P : 10—0 m(1)	
28.10	5.65	NW/4	..	..	Z : 15—0 m(1)	
35.05	4.85	..	..	..	P : 15—0 m(1)	
35.19	1.30	..	..	..	..
34.83	4.90	NW/4	..	..	Z : 25—0 m(1)	
34.87	5.20	..	..	..	P : 25—0 m(1)	
35.37	4.30	..	..	..	..
34.65	4.45	WNW/3	..	..	Z : 200—0 m(1)	
35.01	4.70	..	..	..	P : 200—0 m(1)	
35.88	5.25	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						50	24.32
						75	20.31
						100	18.60
						125	17.52
						150	16.29
						200	14.91
						250	11.88
						300	11.32
1978	19-10-1963	0345—0625	09° 45' N	75° 19' E	2000	0	28.10
						10	28.93
						25	28.73
						50	27.12
						75	22.45
						100	19.35
						125	18.25
						150	..
						200	..
						250	13.20
						300	..
						400	11.78
						500	10.74
						750	9.13
						1000	7.17
						1250	5.75
						1500	4.59
						1750	3.47
						2000	..
1979	19-10-1963	0845—1200	09° 39' N	75° 00' E	2340	0	28.86
			..	..		10	28.94
			..	..		25	29.18
			..	..		50	28.09
			..	..		75	25.22
			..	..		100	21.49
			..	..		125	18.24
			..	..		150	14.73
			..	..		200	14.40
			..	..		250	13.04
			..	..		300	12.11
			..	..		400	11.26
			..	..		500	10.42
			..	..		750	8.91
			..	..		1000	7.14
				

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.53	2.25	..	..	..	..
34.99	0.95	..	..	..	..
35.05	0.80	..	..	..	..
34.99	0.75	..	..	..	..
35.05	0.65	..	..	..	..
35.05	0.55	..	..	..	..
35.14	0.75	..	..	..	..
35.17	0.85	..	..	..	..
34.23	4.95	WNW/3	..	..		Z : 200—0 m(1)
34.29	4.05	..	..	..		P : 200—0 m(1)
35.59	5.10	..	..	..	..
35.88	4.20	..	..	..	..
35.35	1.75	..	..	..	..
35.10	1.10	..	..	..	..
35.14	1.30	..	..	..	..
35.53	..	..	..	..	..
35.34	1.25	..	..	..	..
35.17	0.55	..	..	..	..
35.16	0.85	..	..	..	..
35.16	0.55	..	..	..	..
35.19	0.60	..	..	..	..
35.12	0.60	..	..	..	..
35.08	0.85	..	..	..	..
34.92	1.25	..	..	..	..
34.92	1.55	..	..	..	..
34.85	2.20	..	..	..	..
35.16	0.50	..	..	..	..
34.43	4.45	..	..	..		Z : 200—0 m(1)
34.40	4.40	..	..	..		P : 200—0 m(1)
35.32	4.65	..	..	..	..
35.70	4.45	..	..	..	..
35.75	2.35	..	..	..	..
35.32	0.95	..	..	..	..
35.97	1.10	..	..	..	..
34.96	1.15	..	..	..	..
35.01	0.85	..	..	..	..
35.12	1.00	..	..	..	..
35.12	1.15	..	..	..	..
35.17	1.00	..	..	..	..
35.21	1.00	..	..	..	..
35.10	0.70	..	..	..	..
35.01	1.05	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						1250	5.70
						1500	4.37
						1750	3.38
						2000	2.80
1980	19-10-1963	1405—1655	09° 38' N	74° 14' E	2525	0	29.35
						10	29.19
						25	29.10
						50	27.89
						75	23.31
						100	17.97
						125	17.08
						150	15.88
						200	13.89
						250	12.50
						300	12.04
						400	..
						500	10.51
						750	8.96
						1000	7.24
						1250	5.80
						1500	4.66
						1750	3.47
						2000	2.75
1981	19-10-1963	1925—2155	09° 36' N	74° 19' E	2580	0	29.02
						10	29.09
						25	29.06
						50	26.77
						75	22.53
						100	..
						125	17.25
						150	16.02
						200	14.11
						250	12.55
						300	12.20
						400	11.11
						500	10.67
						750	8.90
						1000	7.41
						1250	5.84
						1500	4.53
						1750	3.57
						2000	2.77

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.92	1.55	..	..	..	..
34.83	1.90	..	..	..	..
34.76	2.20	..	..	..	..
34.74	2.70	..	..	..	..
34.56	5.25	WNW/3	..	..	Z : 200—0 m(1)	
	4.40	..	..	..	P : 200—0 m(1)	
35.59	5.00	..	..	..	..
35.99	4.70	..	..	..	..
35.68	1.75	..	..	..	..
35.30	0.95	..	..	..	..
35.19	1.00	..	..	..	..
35.07	0.95	..	..	..	..
35.26	0.75	..	..	..	..
35.26	0.95	..	..	..	..
35.10	1.00	..	..	..	..
35.12	0.60	..	..	..	..
35.19	0.55	..	..	..	..
35.17	0.55	..	..	..	..
35.10	0.85	..	..	..	..
34.97	1.25	..	..	..	..
35.79	1.60	..	..	..	..
34.78	2.20	..	..	..	..
34.78	2.50	..	..	..	..
34.07	4.90	..	..	..	..
34.22	4.80	..	..	..	Z : 200—0 m(1)	
35.64	4.80	..	..	..	P : 200—0 m(1)	
35.81	3.55	..	..	..	..
35.64	3.60	..	..	..	..
35.86	1.20	..	..	..	..
35.36	1.05	..	..	..	..
35.28	0.75	..	..	..	..
35.25	..	..	..	..	..
35.23	0.65	..	..	..	..
35.26	0.65	..	..	..	..
35.08	0.90	..	..	..	..
35.14	0.75	..	..	..	..
35.01	0.65	..	..	..	..
35.08	1.20	..	..	..	..
34.92	1.25	..	..	..	..
34.88	1.60	..	..	..	..
34.78	2.45	..	..	..	..
34.70	2.90	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1982	20-10-1963	0020—0320	09° 33' N	73° 59' E	2420	0	28.50
						10	29.14
						25	28.91
						50	25.26
						75	20.69
						100	..
						125	16.70
						150	15.67
						200	13.96
						250	12.88
						300	12.00
						400	11.09
						500	10.66
						750	9.12
						1000	7.50
						1250	5.88
1500	4.65						
1750	3.50						
2000	2.77						
1983	20-10-1963	0545—0810	09° 28' N	73° 40' E	2040	0	28.90
						10	28.95
						25	28.94
						50	26.63
						75	21.21
						100	17.20
						125	16.51
						150	15.91
						200	14.04
						250	12.69
						300	12.66
						400	11.13
						500	10.59
						750	9.11
						1000	7.28
						1250	5.96
1500	..						
1750	3.65						
2000	2.93						
1984	21-10-1963	0645—0830	12° 04' N	72° 15' E	1400	0	28.70
						10	28.17
						25	27.04
						50	24.25

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.13	4.75	NW/5	..	..	Z : 200—0 m(1)	
34.13	4.65	..	..	..	P : 200—0 m(1)	
34.85	4.45	..	..	..	..
35.99	2.30	..	..	..	..
35.41	0.90	..	..	..	..
35.14	0.75	..	..	..	..
35.14	0.95	..	..	..	..
35.01	0.80	..	..	..	..
35.12	0.65	..	..	..	..
35.17	0.90	..	..	..	..
35.14	..	..	..	..	..
35.08	0.75	..	..	..	..
35.08	0.45	..	..	..	..
35.19	0.45	..	..	..	..
35.07	0.85	..	..	..	..
34.94	1.30	..	..	..	..
34.92	1.50	..	..	..	..
34.81	2.10	..	..	..	..
34.78	2.65	..	..	..	..
33.77	4.65	NW/5	..	..	Z : 200—0 m(1)	
33.68	4.60	..	..	..	P : 200—0 m(1)	
34.13	4.70	..	..	..	..
35.77	3.25	..	..	..	..
35.35	0.90	..	..	..	..
35.08	0.75	..	..	..	..
35.11	0.80	..	..	..	..
35.19	0.65	..	..	..	..
35.03	0.75	..	..	..	..
35.08	1.00	..	..	..	..
35.07	0.95	..	..	..	..
35.05	0.85	..	..	..	..
35.07	0.80	..	..	..	..
35.08	0.55	..	..	..	..
34.96	0.90	..	..	..	..
34.83	1.35	..	..	..	..
34.97	1.50	..	..	..	..
34.78	2.10	..	..	..	..
34.76	2.25	..	..	..	..
35.35	4.35	WNW/5	..	..	Z : 200—0 m(1)	
35.46	4.50	..	..	..	P : 200—0 m(1)	
35.97	3.95	..	..	..	..
35.45	0.75	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						75	20.04
						100	18.21
						125	17.18
						150	16.09
						200	14.09
						250	13.15
						300	12.21
						400	11.51
						500	10.93
						750	9.16
						1000	7.66
						1200	6.25
1985	21-10-1963	1135—1410	12° 09' N	72° 34' E	1818	0	28.90
						10	28.87
						25	27.10
						50	27.75
						75	20.22
						100	18.51
						125	17.10
						150	16.10
						200	14.10
						250	13.04
						300	12.14
						400	11.41
						500	10.77
						750	9.00
						1000	7.71
						1250	6.26
						1500	5.19
						1750	4.24
1986	21-10-1963	1630—1925	12° 15' N	72° 53' E	2040	0	28.90
						10	29.91
						25	28.57
						50	25.35
						75	20.51
						100	17.66
						125	16.57
						150	15.37
						200	13.16
						250	12.61
						300	12.13
						400	11.40

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.35	0.40	..	..	..	..
35.21	0.30	..	..	..	..
35.17	0.40	..	..	..	..
35.22	0.40	..	..	..	..
35.25	0.45	..	..	..	..
35.25	0.30	..	..	..	..
35.21	0.35	..	..	..	..
35.21	0.30	..	..	..	..
35.23	0.35	..	..	..	..
35.25	0.50	..	..	..	..
35.16	0.65	..	..	..	..
35.01	1.00	..	..	..	..
34.87	4.60	WNW/5	..	..	Z : 200—0 m(1)	
34.88	4.55	..	..	..	P : 200—0 m(1)	
35.97	4.20	..	..	..	..
35.81	1.20	..	..	..	..
35.41	0.40	..	..	..	..
35.21	0.40	..	..	..	..
35.16	0.50	..	..	..	..
35.24	..	..	..	..	..
35.32	0.30	..	..	..	..
35.25	0.65	..	..	..	..
35.21	0.50	..	..	..	..
35.28	0.35	..	..	..	..
35.32	0.40	..	..	..	..
35.21	0.45	..	..	..	..
35.10	0.65	..	..	..	..
35.07	0.95	..	..	..	..
34.94	1.25	..	..	..	..
34.87	1.60	..	..	..	..
34.25	4.65	WNW/5	..	..	Z : 200—0 m(1)	
34.31	4.65	..	..	..	P : 200—0 m(1)	
35.44	4.54	..	..	..	..
35.77	2.35	..	..	..	..
35.16	0.50	..	..	..	..
35.05	0.50	..	..	..	..
34.87	0.45	..	..	..	..
34.94	0.50	..	..	..	..
35.19	0.50	..	..	..	..
35.17	0.75	..	..	..	..
35.25	0.55	..	..	..	..
35.28	0.30	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (f)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						500	10.47
						750	9.18
						1000	7.66
						1250	6.04
						1500	4.86
						1750	3.78
1987	21-10-1963	2145—2400	12° 22' N	73° 12' E	2040	0	28.90
						10	28.98
						25	28.77
						50	25.97
						75	21.64
						100	18.46
						125	16.98
						150	15.38
						200	13.95
						250	13.06
						300	12.23
						400	11.57
						500	10.80
						750	9.16
						1000	7.77
						1250	6.26
						1500	4.84
						1750	3.63
						2000	2.91
1988	22-10-1963	0220—0435	12° 27' N	73° 30' E	1900	0	28.70
						10	28.88
						25	28.46
						50	23.53
						75	20.08
						100	18.47
						125	17.37
						150	15.74
						200	13.55
						250	12.80
						300	12.18
						400	11.48
						500	10.63
						750	9.17
						1000	7.77
						1250	6.17

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
35.26	0.30	..	..	..	..
35.19	0.40	..	..	..	..
35.25	0.50	..	..	..	..
35.01	1.00	..	..	..	..
34.97	1.25	..	..	..	..
34.88	1.75	..	..	..	..
34.33	4.35	WNW/5	..	..	Z : 200—0 m(1)	
34.18	4.40	..	..	..	P : 200—0 m(1)	
35.57	4.45	..	..	..	..
35.88	2.35	..	..	..	..
35.52	0.70	..	..	..	..
35.05	0.55	..	..	..	..
35.21	0.40	..	..	..	..
35.23	0.40	..	..	..	..
35.21	0.45	..	..	..	..
35.26	0.45	..	..	..	..
35.31	0.60	..	..	..	..
35.35	0.35	..	..	..	..
35.30	0.35	..	..	..	..
35.23	0.35	..	..	..	..
35.19	0.50	..	..	..	..
35.15	0.90	..	..	..	..
35.01	1.15	..	..	..	..
34.94	1.85	..	..	..	..
34.79	2.25	..	..	..	..
34.25	4.10	NNW/25	..	..	Z : 200—0 m(1)	
34.61	4.25	..	..	..	P : 200—0 m(1)	
35.79	4.10	..	..	..	..
35.62	1.30	..	..	..	..
35.34	1.20	..	..	..	..
35.17	0.45	..	..	..	..
35.21	0.50	..	..	..	..
35.17	0.45	..	..	..	..
35.90	1.20	..	..	..	..
35.17	0.45	..	..	..	..
35.21	0.40	..	..	..	..
35.26	0.55	..	..	..	..
35.37	0.45	..	..	..	..
35.35	0.35	..	..	..	..
35.12	0.40	..	..	..	..
35.01	0.75	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
						1500	5.56
						1750	4.32
1989	22-10-1963	0640—0815	12° 33' N	73° 48' E	1460	0	28.70
						10	28.76
						25	28.05
						50	23.84
						75	21.00
						100	18.03
						125	17.14
						150	16.45
						200	15.10
						250	13.68
						300	12.78
						400	11.94
						500	11.16
						750	9.31
						1000	7.90
						1250	6.31
						1350	..
1990	22-10-1963	1035—1210	12° 38' N	74° 06' E	350	0	28.48
						10	28.68
						25	28.23
						50	24.23
						75	22.10
						100	19.96
						125	18.87
						150	17.82
						200	15.75
						250	13.86
						300	12.72
1991	22-10-1963	1340—1415	12° 43' N	74° 20' E	80	0	28.70
						10	28.47
						25	27.23
						50	21.26
1992	22-10-1963	1545—1615	12° 46' N	74° 29' E	50	0	27.90
						10	27.93
						25	25.26
						40	22.72

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.99	1.10	..	..	..	..
34.90	1.55	..	..	..	..
34.38	4.55	NNW/25	..	..	Z : 200—0 m(1)	
35.28	4.55	..	..	..	P : 200—0 m(1)	
35.75	4.25	..	..	..	..
35.57	1.25	..	..	..	..
34.92	0.45	..	..	..	..
35.05	0.45	..	..	..	..
35.05	0.45	..	..	..	..
35.12	0.50	..	..	..	..
35.21	0.35	..	..	..	..
35.23	0.40	..	..	..	..
35.28	0.45	..	..	..	..
35.32	0.20	..	..	..	..
35.32	0.35	..	..	..	..
35.26	0.35	..	..	..	..
35.21	0.80	..	..	..	..
35.19	0.30	..	..	..	..
35.10	0.50	..	..	..	..
34.65	4.50	NNW/25	..	..	Z : 200—0 m(1)	
34.85	4.40	..	..	..	P : 200—0 m(1)	
35.79	4.30	..	..	..	..
35.55	1.50	..	..	..	..
35.68	1.60	..	..	..	..
35.01	0.85	..	..	..	..
34.96	0.65	..	..	..	..
35.17	0.45	..	..	..	..
35.21	0.45	..	..	..	..
35.16	0.35	..	..	..	..
35.14	0.35	..	..	..	..
34.79	4.50	NNW/25	..	..	Z : 60—0 m(1)	
34.78	4.95	..	..	..	P : 60—0 m(1)	
35.73	3.70	..	..	..	..
35.05	0.50	..	..	..	..
34.76	5.05	NNW/25	..	..	Z : 30—0 m(1)	
34.94	4.55	..	..	..	P : 40—0 m(1)	
35.64	2.50	..	..	..	..
35.17	0.60	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
1993	22-10-1963	1650—1720	12° 48' N	74° 29' E	46	0	27.00
						10	27.35
						25	24.16
						40	22.62
1994	22-10-1963	1755—1820	12° 50' N	74° 29' E	>35	0	26.50
						10	26.58
						25	23.66
						35	22.80
1995	22-10-1963	1910—1925	12° 52' N	74° 45' E	18	0	25.94
						10	26.12
						15	25.49
1996	2-11-1963	0830—0905	08° 21' N	77° 00' E	22	0	27.75
						10	27.89
						20	27.52
1997	2-11-1963	0950—1020	08° 17' N	76° 57' E	51	0	27.50
						10	27.83
						25	27.69
						50	26.70
1998	2-11-1963	1140—1235	08° 08' N	76° 48' E	86	0	27.81
						10	27.91
						25	28.03
						50	27.46
						75	25.98
						83	25.67
1999	2-11-1963	1330—1450	08° 00' N	76° 40' E	275	0	27.75
						10	27.76
						25	27.97
						50	27.65
						75	25.45
						100	24.03
						125	21.43
						150	14.98
						200	13.09
						250	..
270	12.19						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
33.24	4.20	NNW/25	..	..	Z : 30—0 m(1)	
34.90	3.95	..	..	..	P : 40—0 m(1)	
35.35	0.85	..	..	..	..
35.07	0.25	..	..	..	..
34.34	3.55	NNW/25	..	..	Z : 30—0 m(1)	
34.87	2.95	..	..	..	P : 30—0 m(1)	
35.25	0.75	..	..	..	..
35.16	0.35	..	..	..	..
34.23	3.35	NNW/25	..	..	..
34.97	2.30	..	..	..	P : 12—0 m(1)	
35.16	0.70	..	..	..	..
34.52	5.30	SSW/5	..	..	Z : 15—0 m(2)	
34.99	5.60	..	..	..	P : 15—0 m(1)	
35.03	5.70	..	..	..	..
34.09	4.60	SSW/5	..	..	Z : 50—0 m(2)	
35.07	5.55	..	..	..	P : 50—0 m(1)	
35.10	4.60	..	..	..	..
35.17	3.35	..	..	..	..
34.61	4.35	SSW/5	..	..	Z : 80—0 m(2)	
34.79	4.45	..	..	..	P : 80—0 m(1)	
35.21	4.50	..	..	..	..
35.05	4.25	..	..	..	..
35.12	2.70	..	..	..	..
35.23	2.20	..	..	..	..
34.54	4.50	SSW/5	..	..	Z : 200—0 m(2)	
34.14	4.45	..	..	..	P : 200—0 m(1)	
35.10	4.45	..	..	..	..
35.07	4.45	..	..	..	..
35.05	2.50	..	..	..	..
35.23	1.45	..	..	..	..
34.90	0.65	..	..	..	..
35.01	0.40	..	..	..	..
35.03	0.55	..	..	..	..
35.05	1.60	..	..	..	..
35.05	0.55	..	..	..	..

Station No.	Date	Time	Position		Depth (m) (1)	Depth (m) (2)	Temp. °C.
			Lat.	Long.			
2000	2-11-1963	1825--2215	07° 48' N	76° 28' E	1300	0	27.45
						10	27.81
						25	27.83
						50	27.71
						75	22.89
						100	21.16
						125	20.56
						150	17.16
						200	14.45
						250	12.88
						300	11.88
						400	10.87
						500	10.08
						600	9.40
700	8.93						
800	7.92						
1000	6.77						
1250	5.57						

S‰	O ₂ ml./l.	Wind	Sea	B.T.	Plankton	Remarks
34.78	..	SSW/5	..	..	Z : 200—0 m(2)	
34.88	4.40	..	..	..	P : 200—0 m(1)	
34.97	4.35	..	..	..	..
35.05	4.35	..	..	..	..
34.96	1.55	..	..	..	..
35.03	1.50	..	..	..	..
34.94	0.60	..	..	..	..
34.90	0.55	..	..	..	..
35.01	0.70	..	..	..	..
35.10	0.90	..	..	..	..
35.07	0.95	..	..	..	..
35.07	0.65	..	..	..	..
35.05	0.80	..	..	..	..
35.05	0.55	..	..	..	..
35.08	0.50	..	..	..	..
34.96	0.60	..	..	..	..
34.97	0.70	..	..	..	..
34.88	1.30	..	..	..	..