OCEANOGRAPHICAL OBSERVATIONS
IN THE INDIAN OCEAN IN 1960
H.M.A.S. *DIAMANTINA*
Cruise Dm 2/60

OCEANOGRAPHICAL CRUISE REPORT NO. 3

DIVISION OF FISHERIES AND OCEANOGRAPHY
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL
RESEARCH ORGANIZATION, AUSTRALIA 1963

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MELBOURNE, 1963.

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OCEANOGRAPHICAL CRUISE REPORT

No. 3

Oceanographical Observations in the Indian Ocean in 1960

H.M.A.S. DIAMANTINA

Cruise Dm 2/60

July 11 - September 26, 1960

I. INTRODUCTION

This volume gives the data collected during Cruise Dm 2/60 when H.M.A.S. Diamantina, Royal Australian Navy frigate, was operating in the Indian Ocean from July 11 to September 26, 1960.

Objectives

1. To study the effect of latitude on diurnal variation of rates of primary production.

2. To extend the existing network of oceanographical stations to the westward, particularly in the poorly documented eastern equatorial region of the Indian Ocean.

3. To determine the magnitude of upwelling off the north-west coast of Australia, and the effects of such upwelling on nutrients and primary production in the region.

4. To examine the characteristics of water masses in the Arafura and Timor Seas.

5. To investigate the contributions of the south-east Asian seas to the hydrological and productivity structures of the equatorial currents.

Itinerary

The cruise commenced at Fremantle on July 11, 1960, occupied Scor - Unesco Reference Station 1, proceeded to Singapore, departed Singapore on August 2, went north west around the northern tip of Sumatra and worked a series of stations to Djakarta. From Djakarta, stations were worked to Thursday I., the ship visited Port Moresby, worked a series of stations across the Arafura and Timor Seas and arrived in Darwin on September 6. Between Darwin and Fremantle several lines of stations were worked. The positions of all stations are shown in Figure 1.

Scientific Personnel

H. Jitts (Cruise Leader)
B. Newell (11/9/60 - 26/9/60)
R. Bradley
F. Davies (11/7/60 - 12/8/60)
N. Dyson
B. Scott
J. Staniforth

Two Indonesian scientists, Mr E. Soeriaatmadja, Head of the Institute of Marine Research, and Major M. Wardiman, Chief of the Hydrographic Section, joined the cruise at Djakarta and left at Darwin.

The analyses of hydrological samples were done in the ship's laboratory by Messrs Bradley, Davies and Staniforth. The primary production measurements were made by Messrs Dyson, Jitts and Scott. The collection of zooplankton samples was made by Mr Bradley and of phytoplankton by Mr Scott. Measurements of particulate phosphate were made by Mr Newell.

The data were processed under the direction of Mr A.D. Crooks by Mrs M. Derrick, Mrs Tarbett and Misses M. Johnson, L. Lalor and E. Wanstall. The plots were prepared for publication by Mr R. Breach and Mrs B. Walters, and the master sheets were typed by Mrs D. Schmitzer.

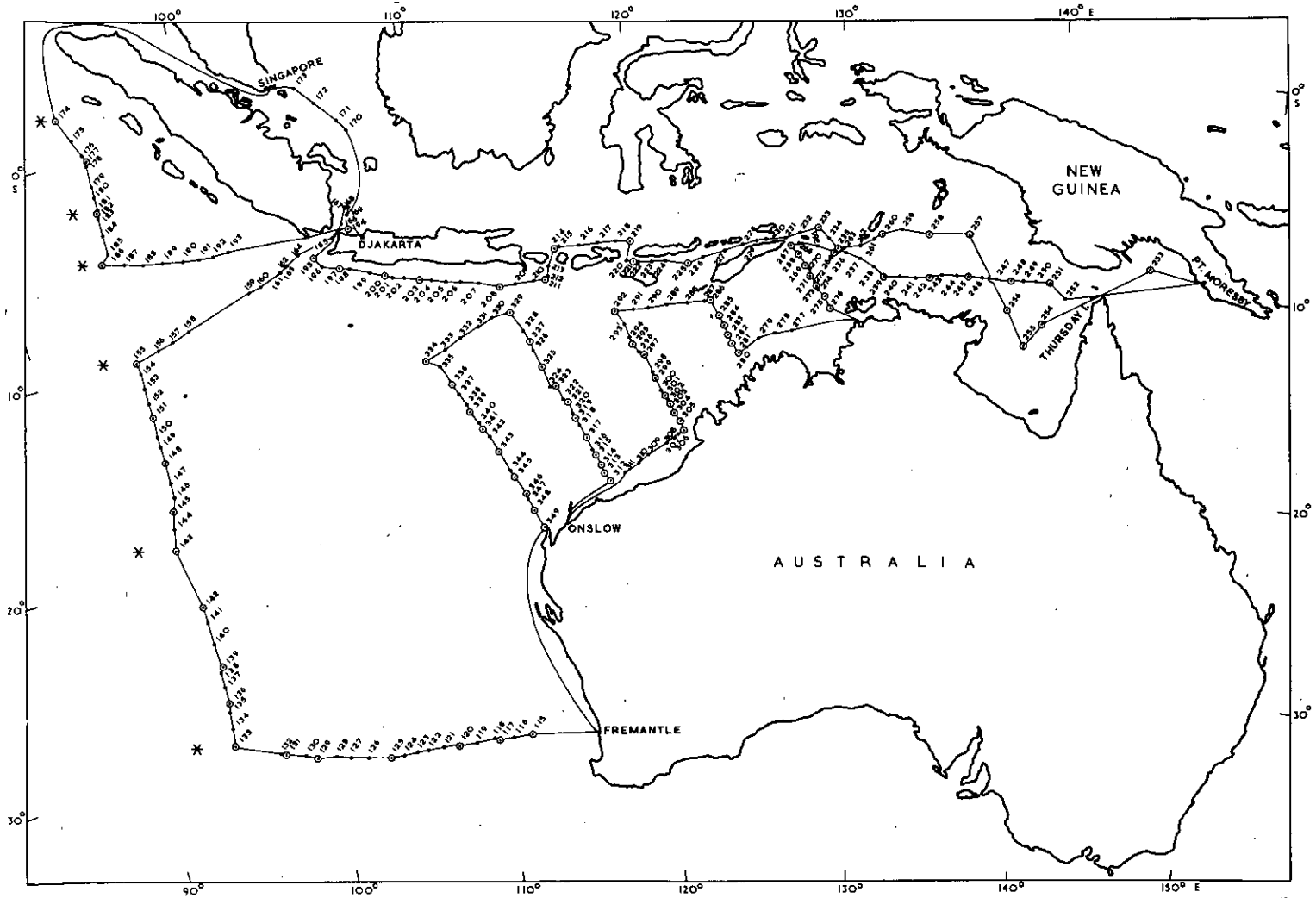
SINGAPORE
DJAKARTA
NEW GUINEA
PT. MORESBY
THURSDAY I.
ONSLOW
AUSTRALIA
FREMANTLE
100°
110°
120°
130°
140° E
90°
150° E
0° S
10°
20°
30°

Fig. 1

II. WORK ACCOMPLISHED

On this cruise 235 stations were worked of which 87 were deep stations; on 87 of these, hydrology samples were taken to 4000 m and the euphotic layer was sampled for primary production, phytoplankton, and pigments. Drift stations were occupied at six positions for studies of diurnal variations. Zooplankton hauls were made at 35 stations. At the other stations bathythermograms and surface samples for hydrology, phytoplankton and primary production and pigments were collected.

TABLE 1

WORK DONE AT EACH STATION

Stn. No.	BT	Hydrology Surface	Hydrology Deep	SD	Primary Production 1	Primary Production 2	Pigments	Phytoplankton 1	Phytoplankton 2	Phytoplankton 3	Zooplankton
115	+	+	+		+		+				+
116	+	+				+					
117	+	+	+		+		+	+	+		
118	+	+				+				+	
119	+	+				+					
120	+	+	+		+		+	+	+		+
121	+					+				+	
122	+	+									
123	+	+									
124	+										
125	+	+	+		+		+	+	+		+
126	+	+				+		+			
127	+	+				+		+			
128	+	+				+		+			
129	+	+	+		+	+	+	+	+		
130	+	+				+		+			
131	+	+	+		+	+	+	+	+		+
132						+		+			
133	+	+	+		+		+	+	+	+	+
134	+	+				+				+	
135	+	+				+		+			
136	+	+	+		+	+	+	+	+		+

Stn. No.	BT	Hydrology Surface	Hydrology Deep	SD	Primary Production 1	Primary Production 2	Pig-ments	Phyto-plankton 1	Phyto-plankton 2	Phyto-plankton 3	Zoo-plankton
137	+	+				+				+	
138	+	+				+				+	
139	+	+	+		+	+	+	+	+		
140	+	+									
141	+										
142	+	+	+		+		+	+	+		
143	+	+	+		+	+	+	+	+		+
144	+	+									
145	+	+	+		+		+	+	+		
146	+	+									
147	+	+									
148	+	+	+		+		+	+			
149	+	+									
150	+										
151	+	+	+		+		+	+	+		+
152	+										
153	+										
154	+	+									
155	+	+	+	+	+		+	+	+		+
156	+										
157	+										
158	+	+									
159	+	+									
160	+										
161	+										
162		+								+	
163	+	+								+	
164	+	+								+	
165		+									
166		+								+	
167		+								+	
168		+								+	
169		+								+	
170		+								+	
171		+								+	
172		+								+	
173		+								+	
174	+	+	+	+	+		+	+	+		+
175	+	+				+					

Stn. No.	BT	Surface	Deep	SD	Primary Production 1	Primary Production 2	Pig-ments	Phyto-plankton 1	Phyto-plankton 2	Phyto-plankton 3	Zoo-plankton
176	+	+				+					
177	+	+	+	+	+	+	+	+	+		+
178						+					
179	+	+				+					
180	+	+				+					
181	+	+				+		+			
182	+	+	+	+	+	+	+	+	+		+
183						+					
184	+	+				+					
185		+				+					
186	+	+	+	+	+	+	+	+	+		+
187	+	+				+					
188	+	+				+		+			
189		+				+		+			
190	+	+				+		+			
191	+	+				+					
192	+	+				+					
193	+	+				+					
194		+	+	+			+	+	+		
195	+	+	+		+		+		+		
196	+	+									
197	+	+	+	+	+	+	+	+	+		+
198	+	+				+		+			
199	+	+				+		+			
200	+	+	+		+	+	+	+	+		
201	+	+						+			
202	+	+									
203	+	+	+	+	+	+	+	+	+		
204	+	+				+		+			
205	+	+				+					
206	+	+				+		+	+		
207	+	+				+					
208	+	+	+	+	+	+	+	+			+
209	+	+				+					
210	+	+				+					
211	+	+	+		+	+	+	+			
212	+	+				+		+			
213		+				+		+			
214	+	+	+	+	+		+	+	+		+

Stn. No.	BT	Surface	Deep	SD	Primary Production 1	Primary Production 2	Pig-ments	Phyto-plankton 1	Phyto-plankton 2	Phyto-plankton 3	Zoo-plankton
215		+				+					
216		+				+					
217	+	+				+		+			
218	+	+				+		+			
219	+	+	+	+	+	+	+	+			+
220		+				+					
221	+	+	+		+		+	+	+		
222	+	+				+		+			
223	+	+				+		+			
224	+	+									
225	+	+	+	+	+	+	+	+	+		+
226	+	+				+					
227	+	+				+		+			
228	+	+				+		+			
229		+				+		+			
230	+	+				+		+			
231		+				+		+			
232	+	+				+		+			
233	+	+	+	+	+	+	+	+	+		+
234	+	+				+					
235	+	+	+		+	+	+	+	+		
236						+					
237	+	+				+		+			
238	+	+				+					
239	+	+	+		+	+	+	+	+		+
240	+	+				+					
241	+	+				+		+			
242	+	+	+		+	+	+	+	+		
243	+	+				+		+			
244		+									
245		+	+		+	+		+	+		
246		+				+		+			
247		+				+					
248		+	+		+	+	+	+	+		
249		+				+		+			
250		+				+		+			+
251		+	+		+	+	+	+	+		
252						+					
253		+	+		+		+	+	+		

Stn. No.	BT	Hydrology Surface	Hydrology Deep	SD	Primary Production 1	Primary Production 2	Pig-ments	Phyto-plankton 1	Phyto-plankton 2	Phyto-plankton 3	Zoo-plankton
254		+	+		+		+	+	+		
255		+	+		+		+	+	+		+
256		+	+		+		+	+	+		
257		+	+		+		+	+			
258		+	+		+	+	+	+	+		+
259		+				+					
260	+	+	+		+	+	+	+	+		
261	+	+				+		+			
262	+	+				+		+			
263		+				+					+
264	+	+	+		+	+	+	+	+		
265	+	+				+					
266	+	+				+		+			
267	+	+	+		+	+	+	+	+		
268	+	+	+		+	+	+	+			
269	+	+	+		+	+	+	+	+		+
270		+				+		+			
271		+	+		+		+	+	+		
272		+				+					
273		+	+		+		+	+	+		
274		+				+					
275		+	+		+		+	+	+		
276		+	+		+		+	+	+		
277		+				+		+			
278		+				+		+			
279		+				+		+			
280		+				+		+			
281		+	+	+	+	+	+	+	+		+
282		+	+		+	+	+	+	+		
283		+	+		+		+	+	+		
284		+	+		+	+	+	+	+		
285		+	+		+	+	+	+			
286	+	+	+		+	+	+	+	+		+
287		+				+					
288	+	+				+					
289	+	+						+			
290	+	+						+			
291	+	+				+		+			
292	+	+	+		+	+	+	+	+		+
293	+	+				+					

Stn. No.	BT	Hydrology Surface	Hydrology Deep	SD	Primary Production 1	Primary Production 2	Pig-ments	Phyto-plankton 1	Phyto-plankton 2	Phyto-plankton 3	Zoo-plankton
294						+					
295	+	+	+		+	+	+	+	+		
296		+				+					
297	+	+	+		+	+	+	+	+		
298	+	+				+		+			
299	+	+	+	+	+	+	+	+	+		+
300	+	+				+					
301		+	+		+		+	+	+		
302		+				+					
303		+	+		+		+	+	+		
304		+	+		+	+	+	+	+		
305		+	+		+	+	+	+	+		
306		+	+		+		+	+	+		+
307						+					
308		+				+					
309		+				+					
310		+				+					
311		+				+					
312		+	+		+	+	+	+	+		
313		+	+		+	+	+	+	+		+
314		+	+	+	+	+	+	+	+		
315	+	+	+		+		+	+	+		
316		+				+					
317	+	+	+		+	+	+	+			
318		+				+					
319	+	+	+		+	+	+	+	+		
320	+	+				+					
321	+	+	+		+	+	+	+	+		
322	+	+				+		+			
323	+	+	+		+	+		+	+		
324	+	+				+					
325	+	+	+		+	+	+	+	+		+
326	+	+				+					
327	+	+	+		+	+	+	+	+		
328	+	+				+		+			
329	+	+	+		+	+	+	+	+		
330	+	+				+					
331	+	+				+		+			
332	+	+				+		+			

Stn. No.	BT	Hydrology Surface	Hydrology Deep	SD	Primary Production 1	Primary Production 2	Pig-ments	Phyto-plankton 1	Phyto-plankton 2	Phyto-plankton 3	Zoo-plankton
333	+	+				+					
334	+	+	+		+	+	+	+	+		+
335	+	+				+		+			
336	+	+	+		+	+	+	+	+		
337	+	+				+					
338	+	+				+					
339	+	+	+		+	+	+	+	+		
340		+				+					
341	+	+	+		+		+	+	+		
342	+	+				+					
343	+	+	+		+	+	+	+	+		
344	+	+				+					
345	+	+	+		+	+	+	+	+		+
346	+	+	+		+	+	+	+	+		+
347	+	+				+		+			
348	+	+	+		+		+	+	+		
349		+	+		+		+	+	+		

BT — Bathythermograms

SD — Submarine daylight measurements

Primary Production
1. Euphotic zone
2. Surface

Phytoplankton
1. Qualitative) with 5 l sampler
2. Quantitative)
3. Under-way sampling

III. METHODS OF COLLECTION AND ANALYSIS OF SAMPLES

1. Physics

Temperature.- Water temperatures were taken with deep-sea reversing thermometers: protected thermometers with a range of -2° to 30°C and unprotected thermometers with a range of -2° to 30°C, or 0° to 60°C. The accuracy of the temperatures is considered to be $\pm$ 0.03°C. The readings are recorded in degrees centigrade.

Bathythermograph.- A 900 ft bathythermograph was used at the stations indicated in Table 1. Photographs of each slide are filed at this Laboratory.

Thermometric Depth.- Depth calculations were made by the method described by Pollak (1950) and are considered accurate to $\pm$ 15 m below 1000 m and to 1% above that depth.

σ_t.- The values were calculated from a nomograph constructed from the Table of σ_t given by the U.S. Hydrographic Office (1951).

Dynamic Heights.- Dynamic heights were calculated from interpolated values of temperature and salinity using Tables 6, 7, 9, given by La Fond (1951).

2. Chemistry

Salinity.- Salinity was measured on board with an inductive salinometer (Brown and Hamon 1961). Duplicate samples were taken at depths below 4000 m and returned to the Cronulla laboratory where they were checked on a second inductive salinometer of the same design.

Dissolved Oxygen.- The standard Winkler method (Jacobsen, Robinson and Thompson 1950) was used with potassium iodate as the iodometric standard. Samples were collected in 275-300 ml capacity bottles and 100 ml duplicate aliquots were titrated to a starch end point. Values are given as ml/l. Duplicate titrations agreed to better than 0.03 ml/l of oxygen.

Oxygen Saturation.- The saturation value was computed from the nomograph of Richards and Corwin (1956).

Inorganic Phosphate.- The method of Atkins (1923) was used with 1 ml molybdate reagent (300 ml 10% ammonium molybdate and 100 ml 50% sulphuric acid) and 0.1 ml 1% stannous chloride diluted afresh from a 40% stock solution in hydrochloric acid, which was kept under paraffin. The reagents were automatically dispensed by a piston dispenser.

Standard phosphate solutions were made up in distilled water. Analyses were carried out in batches of 10 since air temperature never exceeded 25°C; readings were taken within 10 minutes after the reagents were added and completed within a further 10 minutes. Each batch was compared with a distilled water blank and a 0.65µg at./l standard in a Hilger Spekker absorptiometer using 4 cm cells and Ilford 608 filters. Each week a complete check was made using standards up to 3.25µg at./l. Results are given as µg at.P/l without any correction for salt error and are precise to ±10% for values less than 0.5µg at./l and ±5% for higher values. If it is wished to correct for salt effects, the results given should be multiplied by 1.15.

Particulate Phosphate.- 500 ml samples of sea water were filtered through 24 mm Millipore membrane filters (HA plain white). The filters, with the collected material, were returned to the Cronulla laboratory. The membranes were digested in silica crucibles with the aid of 1 ml 70% perchloric acid, 0.5 ml conc. nitric acid, (S.G. 1.40) and about 10 ml distilled water. Digestion was carried out for 15-30 min. at 100°C, until the membranes were dissolved, then the temperature was raised gradually until the digest was clear and no further fumes of perchloric acid were given off. The sides of the crucibles were washed down periodically with distilled water.

The dry digest was then redissolved in distilled water with the aid of 1 drop of perchloric acid and gentle warming. The resultant solution was transferred, with washings, to a 150 ml Erlenmeyer flask and adjusted to pH 8.4 (phenol phthalein) with dilute ammonium hydroxide. The volume was then adjusted to 50 ml. Inorganic orthophosphate present was estimated in the 50 ml sample by the above method. Prolonged boiling of digests in acid medium produced no increase in phosphorus content, hence it is assumed that no pyrophosphate was formed during digestion.

Results are expressed as mg of phosphorus present in particulate form per 1 of sea water.

3. Primary Production

Measurements of photosynthetic uptake of CO_2 were made by the ^{14}C method described by Jitts (1957) with the exceptions that radioactivity was measured on board with a windowless Geiger counter and the determination of ^{14}C stock activities was made by the method of Jitts and Scott (1961). As indicated in the data, incubation was done in one of the three following ways:

(a) In a fluorescent light incubator with a constant illumination of about 1100 ft candles.

(b) In situ by suspending the samples from a free floating buoy.

(c) In a simulated in situ incubator using sunlight and blue glass filters (Jitts and Wyrtki, (in press))

During drift stations, diurnal variations of photosynthetic uptake of CO_2 were studied by making measurements on samples taken at approximately 3 hourly intervals throughout the time on station. For this, incubation was as in (a) above.

At intervals of approximately 4 hours during parts of the cruise, surface samples were taken with a plastic bucket and photosynthesis measured by the method of Doty (1956) in 250 ml pyrex bottles and with incubation in a fluorescent light incubator as described by Doty (1958) (197-205).

4. Pigments

Water samples were taken with a plastic sampler and filtered within one or two hours through HA Millipore filters. The filters were placed in envelopes and stored in metal desiccators over silica gel. The analyses were carried out at Cronulla using the method given by Humphrey (1960).

5. Phytoplankton

Samples were collected in a 5 l plastic sampler (Davis 1957) at 0, 25, 50, 75, 100, and 150 m. The samples were

transferred to polythene bottles and centrifuged immediately at 5,000 g in a continuous centrifuge (Davis 1957); each 5 l sample took 15 min. The residue in the cup was carefully washed into a graduated tube and diluted to 10 ml with sea water.

Quantitative Examination.- All counts were made with a Petroff Hausser bacterial counting chamber. If the count was more than five per field, four fields were counted; if the count was less than five per field, ten fields were counted.

Organisms with chlorophyll were counted by using a Wild BG 12 fluorescence filter, a Wild OG 1 exclusion filter, an immersed condenser, and a high-power incandescent lamp. The chloroplasts appeared bright red in the blue-violet light.

Organisms without chlorophyll were calculated as the difference between total living organisms and organisms with chlorophyll. Total living organisms were counted after adding acridine orange to give a final concentration of 2 parts per million. The living organisms gave a green fluorescence in the blue-violet light produced by the filter system described above.

Total particles were counted with ordinary illumination.

Qualitative Examination.- Twenty minute tows were made with a modified Hardy indicator. The plankton was washed off the metal grid (120 meshes/in.) with sea water, and formalin was added to give a final concentration of 2%. Identifications were made at Cronulla.

6. Zooplankton

The sampler used to collect zooplankton was a modified Clarke-Bumpus unit. On this cruise it was fitted with a new and more robust flowmeter designed and constructed at the Cronulla laboratory, and calibrated by flume tank. The net was nylon No. 4 mesh (62 meshes per inch).

The hauls were oblique from 200 m to the suface and 400 m to 200 m. Depths were estimated from wire angle and are only approximate. The speed of tow was 2-4 knots and the wire was recovered at about 10 metres per minute. The period of tow averaged half an hour and the volume filtered 14 m^3.

Samples were weighed in the laboratory after washing in 50% alcohol to facilitate removal of external "interstitial" water (Tranter 1960).

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IV. DATA SHEETS AND TABLES

The data sheets for this cruise are arranged in six parts. Part 1 contains the data for hydrology deep stations, Part 2 gives the temperature and salinity data from surface sampling, Part 3 gives primary production data, Part 4 gives data on pigments, Part 5 gives phytoplankton data, and Part 6 gives quantitative zooplankton data.

Explanations of the headings used in the data sheets are given at the beginning of each part.

Short vertical ines below certain headings indicate the positions of decimal points.

DATA

PART 1

HYDROLOGY

DEEP STATIONS

EXPLANATION OF HEADINGS

Part 1 Hydrology - Deep Stations

SHIP The figures 11 are used to designate Diamantina.

CRUISE Cruise numbers are allotted each year beginning with 1 for the first cruise.

STATION Stations are numbered consecutively for each ship for each year.

TIME Time at the beginning of the first cast is given in Zone Time. The letter following the time gives the code for the time zone (Table 2).

TABLE 2

CODE FOR TIME ZONES

Longitude Exceeding		Up to but not exceeding	Time Zone (hrs)	Code
07°30'E	-	22°30'E	-1	A
22°30'E	-	37°30'E	-2	B
37°30'E	-	52°30'E	-3	C
52°30'E	-	67°30'E	-4	D
67°30'E	-	82°30'E	-5	E
82°30'E	-	97°30'E	-6	F
97°30'E	-	112°30'E	-7	G
112°30'E	-	127°30'E	-8	H
127°30'E	-	142°30'E	-9	I
142°30'E	-	157°30'E	-10	K
157°30'E	-	172°30'E	-11	L
172°30'E	-	180°	-12	M
180°	-	172°30'W	+12	Y
172°30'W	-	157°30'W	+11	X
157°30'W	-	142°30'W	+10	W
142°30'W	-	127°30'W	+9	V
127°30'W	-	112°30'W	+8	U
112°30'W	-	97°30'W	+7	T
97°30'W	-	82°30'W	+6	S
82°30'W	-	67°30'W	+5	R
67°30'W	-	52°30'W	+4	Q
52°30'W	-	37°30'W	+3	P
37°30'W	-	22°30'W	+2	O
22°30'W	-	07°30'W	+1	N
07°30'W	-	07°30'E	0	Z

LATITUDE LONGITUDE	The position of each station is given in degrees and minutes.
SONIC DEPTH	Given in m, measured at standard sound velocity of 800 fm (1463 m) per second.
MAX. SAMP. DEPTH	Maximum sampling depth is given in 100 m units.
AIR TEMP. WET DRY	Air temperatures are recorded from wet and dry bulb thermometers in centigrade degrees to one decimal place.
WIND DIR. SPEED	Wind direction and speed are coded using Tables 8 and 9 in U.S. Hydrogr. Office (1955).
ANEM. HEIGHT	The average height of the anemometer above sea level is given in metres.
CLOUD TYPE AMOUNT	Cloud type and amount are coded using Tables 2 and 3 in U.S. Hydrogr. Office (1955).
VIS.	Visibility is coded using Table 4 in U.S. Hydrogr. Office (1955).
SEA DIR. AMOUNT	Sea direction and amount are coded using Tables 5 and 8 in U.S. Hydrogr. Office (1955).
SWELL DIR. AMOUNT	Sea swell direction and amount are coded using Tables 6 and 8 in U.S. Hydrogr. Office (1955).
ATMOS. PRESSURE	Atmospheric pressure is coded. The reading in millibars has the figure for 900 or 1000 omitted, so that 999.4 millibars is recorded as 994 and 1013.4 as 134.
WIRE ANGLES CAST 1 CAST 2	Measured at the surface and expressed in degrees for each cast. No more than two wire angles are recorded; if there is a third cast, the shallow cast angle is neglected.

CAST	The cast numbers (corresponding to the wire angles) are shown.
DEPTH	Actual sampling depth given in metres, a blank indicates 0 metres.
TEMP.	Sea temperatures are recorded in degrees centigrade, to 2 decimal places.
S‰	Salinities are recorded in parts per thousand, to 3 decimal places.
σ_t	Sigma-t recorded to 3 decimal places.
O_2	Oxygen is recorded in ml/l to 2 decimal places. A blank indicates that sample was lost or not analysed.
O_2 % Sat.	Oxygen percentage saturation. A blank indicates that sample was not analysed.
INORG. P	Inorganic phosphate values are given in µg at./l to 2 decimal places. A blank indicates that sample was lost or not analysed.
PARTIC. P	Particulate phosphate micrograms/l recorded as micrograms of phosphorus present in the particulate form.
DOUBTFUL	A figure in this column indicates that the values for certain properties are doubtful or have been interpolated. The properties are designated by the following numbers:- 1. temperature, 2. salinity, 3. temperature and salinity, 4 oxygen, 5. inorganic phosphate, 6. oxygen and inorganic phosphate, 7. depth.

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	0115	60	07	12	715 G	3151 S	11154 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5000	43	150	156	21	06	16	7	9	6	21	2	23	4	1314	05	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		1740	35865	26099	534	106	13			
2	24	1740	35879	26109	538	107	12			
2	48	1740	35875	26106	516	103	13			
2	77	1739	35872	26106	536	107	13			
2	96	1724	35865	25137	539	107	18			1
2	144	1673	35842	26242	541	106	20			
2	193	1459	35459	26433	544	102	35			
2	290	1165	35031	26698	518	91	66			
2	482	0931	3473	26876	526	88	99			
2	676	0825	34588	26933	541	88	119			
2	868	0584	34423	27138	470	72	168			
1	1058	0386	3443	27369	418	61	201			
1	1246	0336	34528	27497	367	53	215			
1	1435	0307	34596	27578	357	51	215			
1	1908	0249	34708	27719	378	54	206			
1	2380	0205	34733	27775	396	55	209			
1	2850	0169	34736	27806	418	58	209			
1	3325	0146	34733	2782	435	60	207			
1	3805	0126	34724	27827	446	61	201			
1	4290	0118	34722	27831	462	63	201			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	0117	60	07	12	1900 G	3201 S	10957 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4500	43	111	133	28	03	16	7	9	6	21	2	22	4	1812	05	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		1624	35819	26339	554	108	11			
2	25	1624	35825	26343	555	108	11			
2	50	1624	35827	26350	556	104	11			
2	75	1622	35825	26360	556	104	11			
2	100	1612	35825	26371	555	108	15			
2	150	1534	35662	26424	540	103	25			
2	198	1340	35318	26576	536	98	46			
2	292	1131	35000	26740						2
2	480	922	34713	26878	570	95	99			
2	673	799	34564	26950	524	82	125			
1	850	558	34418	27167	461	71	180			
1	1040	392	34429	27362	417	61	201			
1	1230	323	34494	27482	393	57	213			
1	1415	304	34582	27570	365	52	213			
1	1890	254	34703	27711	373	53	210			
1	2358	203	34732	27776	386	54	211			
1	2830	173	34760	27822	420	58	205			2
1	3305	151	34740	27822	432	60	200			2
1	3780	128	34740	27839	442	61	200			2
1	4265	120	34730	27836	456	62	205			2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	120	60	7	13	815 G	3200 S	10734 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
500	48	133	150	28	5	16	6	9	5	27	2	22	4	1510	30	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		1550	35738	26446	568	109	19			
2	25	1550	35740	26448	568	109	16			
2	50	1550	35727	26438	568	109	16			
2	75	1541	35736	26465	569	109	16			
2	100	1543	35732	26457	571	109	19			
2	150	1536	35731	26472	569	109	19			
2	198	1315	35305	26617	551	100	45			
2	290	1124	35007	26756	568	99	67			
2	475	953	34764	26866	576	97	97			
2	670	824	34590	26936	536	87	119			
2	870	553	34417	27172	470	72	162			
2	1070	400	34440	27363	403	59	198			
1	1265	324	34514	27497	385	56	198			
1	1630	274	34652	27653	372	53	203			
1	1810	260	34692	27697	370	53	204			
1	2270	217	34730	27763	393	55	197			
1	2730	180	34739	27800	425	59	193			
1	3190	150	34739	27822	451	62	193			1
1	3640	119	34732	27838	458	63	177			
1	4110	114	34727	27838	470	64	173			
1	4570	101	34719	27840	481	66	173			
1	4755	102	34717	27838	484	66	187			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	125	60	7	14	730 G	3159 S	10329 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5358	42	106	131	25	5	16	7	9	6	24	2	21	7	186	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		1647	35868	26323	548	107	15			
2	25	1645	35873	26331	544	106	13			
2	48	1642	35861	26329	546	107	13			
2	71	1578	35777	26413	557	107	14			
2	93	1578	35782	26416	557	107	14			
2	138	1536	35742	26481	565	108	14			
2	182	1458	35603	26546						
2	270	1179	35076	26707	565	100	58			
2	455	989	34815	26846	575	97	102			
2	655	862	34638	26915	539	89	118			
1	844	636	34446	27090	474	74	165			
1	1030	406	34416	27337	424	62	203			
1	1210	358	34510	27461	366	53	218			
1	1390	322	34577	27549	350	51	221			
1	1870	257	34695	27702	359	51	211			
1	2310	212	34730	27767	386	54	211			
1	2775	178	34736	27799	410	57	203			
1	3250	152	34738	27820	447	62	201			
1	3730	125	34730	27833	463	63	197			
1	4216	109	34723	27838	472	64	197			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	129	60	7	15	200 G	3112 S	09915 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
230	22	106	128	22	3	16	7	9	6	22	2	23	1	170	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		1715	35937	26214	548	109	13			
2	25	1712	35943	26226	551	109	13			
2	50	1712	35938	26222	545	108	13			
2	75	1704	35941	26244	546	108	13			
2	100	1707	35944	26239	547	108	17			
2	150	1667	35866	26274	549	108	18			
2	197	1506	35589	26430	508	96	35			
2	290	1224	35164	26688	565	101	54			
1	477	986	34822	26856	576	98	87			
1	668	840	34614	26930	542	89	119			
1	857	558	34416	27165	475	73	166			
1	1055	421	34464	27360	391	58	201			
1	1240	345	34528	27488	364	53	208			
1	1524	300	34628	27610	346	50	211			
1	1714	271	34679	27677	356	51	208			
1	2190	219	34727	27759	394	55	206			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	131	60	7	15	1230 G	3041 S	09730 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3072	29	156	167	04	3	16	6	9	5	4	2	20	1	179	20	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		1807	35907	25966	540	109	17			
2	25	1798	35914	25994	541	109	14			
2	50	1780	35928	26049	542	109	14			
2	75	1757	35929	26106	545	109	14			
2	100	1730	35878	26133	545	108	18			
2	150	1478	35572	26478	534	101	31			
2	200	1331	35342	26613	550	101	41			
1	274	1209	35142	26700	565	101	56			
1	464	993	34832	26852	578	98	89			
1	657	877	34666	26913	551	91	108			
1	850	668	34471	27067	463	73	154			
1	1042	439	34434	27317	415	62	195			
1	1238	357	34516	27467	372	54	206			
1	1430	314	34592	27568	356	51	206			
1	1914	246	34710	27723	371	53	211			
1	2397	202	34738	27782	400	56	195			
1	2880	154	34740	27820	425	59	193			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	1614 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3072	24	999	999	99	99	16	9	9	9	99	9	99	9	999	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		1765	35920	26080	545	109	19			
2	25	1760	35929	26099	543	108	19			
2	50	1757	35934	26110	541	108	20			
2	75	1754	35929	26113	543	108	19			
2	100	1760	35928	26098	543	108	19			
2	150	1712	35875	26174	539	107	19			
2	200	1526	35610	26402	536	102	35			
1	286	1309	35323	26643	539	98	54			
1	476	1064	34934	26808	566	98	85			
1	669	915	34720	26895	554	92	111			
1	860	710	34510	27040	486	77	149			
1	1052	490	34433	27259	427	64	189			
1	1244	384	34469	27402	388	57	206			
1	1436	335	34557	27521	352	51	218			
1	1916	261	34694	27697	366	52	204			
1	2395	199	34738	27784	399	56	204			2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	136	60	7	18	700 F	2723 S	095 1 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4023	38	161	178	13	4	16	7	9	6	13	2	99	9	75	00	0

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		1907	35840	25662	536	110	11			
2	25	1907	35849	25669	534	110	13			
2	50	1897	35846	25693	534	109	11			
2	75	1819	35858	25899	539	109	17			
2	100	1667	35861	26270	552	108	19			
2	150	1507	35578	26419	517	98	37			
2	200	1395	35434	26551	538	100	37			
1	286	1252	35202	26663	546	98	49			
1	476	1065	34938	26809	565	97	78			
1	666	902	34704	26903	544	90	94			
1	856	667	34481	27076	481	76	147			
1	1046	437	34445	27327	404	60	183			
1	1236	376	34541	27468	338	49	204			
1	1420	338	34608	27558	330	48	204			
1	1884	258	34700	27705	365	52	194			
1	2344	204	34723	27768	397	56	189			
1	2810	170	34738	27807	413	57	189			
1	3283	146	34730	27818	435	60	181			
1	3762	124	34718	27824	453	62	181			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	139	60	7	18	800 F	2534 S	09512 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5395	46	156	172	24	5	16	6	9	5	20	2	16	4	29	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2037	35645	25173	494	104	19			
2	24	2037	35654	25180	518	109	17			
2	49	2037	35673	25195	514	108	18			
2	75	2037	35687	25205	508	107	18			
2	98	2037	35726	25235	508	107	18			
2	147	1994	35774	25386	502	105	18			
2	195	1840	35781	25788	496	100	20			
2	290	1561	35775	26450	500	96	27			
2	473	1083	34977	26807	553	96	76			
2	648	875	34671	26920	541	85	112			
1	826	610	34465	27135	461	68	155			
1	1007	448	34481	27350	366	52	195			
1	1186	414	34563	27450	318	45	213			
1	1367	346	34601	27550	320	44	205			
1	1818	268	34697	27700	347	47	208			
1	2271	214	34728	27765	375	50	205			
1	2732	171	34736	27813	339	53	188			
1	3200	150	34725	27839	418	55	188			
1	4115	114	34718	27834	460	60	189			
1	4590	110	34720	27836	464	61	178			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	142	60	7	19	1200 F	2223 S	095 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
500	45	172	200	25	4	16	7	9	6	25	2	22	4	65	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2055	35558	25059	520	109	19			
2	25	2055	35559	25060	515	108	19			
2	50	2047	35590	25105	515	108	20			
2	75	2047	35618	25126	523	110	20			
2	100	2047	35630	25135	524	110	20			
2	150	1897	35773	25637	510	104	22			
2	197	1736	35781	26044	502	100	31			
2	290	1441	35521	26520	520	97	43			
2	478	1079	34969	26808	564	98	83			
2	667	874	34669	26920	543	90	115			
1	820	605	34469	27148	442	68	165			
1	1000	442	34518	27380	336	50	215			
1	1180	388	34596	27499	301	44	215			
1	1360	341	34635	27577	316	46	212			
1	1800	258	34712	27714	344	49	196			
1	2244	206	34736	27777	377	53	198			
1	2692	175	34734	27800	398	55	203			
1	3140	154	34728	27810	410	57	198			
1	3584	136	34742	27835	430	59	194			
1	4030	114	34718	27833	461	60	194			
1	4500	108	34714	27830	470	62				

2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	1200 F	1940 S	09437 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
530	47	194	222	18	5	16	7	9	6	18	2	19	4	143	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2242	35044	24153	499	108	14			
2	24	2228	35146	24269	495	107	14			
2	48	2224	35183	24309	495	107	11			
2	71	2220	35229	24355	492	106	11			
2	95	2139	35496	24783	492	105	14			
2	144	1925	35639	25463	435	89	26			
2	192	1792	35624	25787	425	85	39			
2	287	1505	35579	26424	489	93	41			
2	480	1034	34917	26850	532	77	81			
2	674	762	34573	27015	476	77	136			
1	852	562	34604	27309	265	41	206			
1	1035	493	34654	27431	231	35	211			
1	1213	419	34645	27506	261	39	211			
1	1392	370	34670	27576	280	41	211			
1	1854	268	34716	27709	326	46	204			
1	2325	205	34728	27771	360	50	200			
1	2795	174	34740	27805	383	53	195			
1	3264	150	34746	27828	395	55	190			
1	3738	136	34727	27823	421	58	190			
1	4205	117	34716	27827	450	62	184			
1	4690	108	34709	27827	466	64	184			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	145	60	7	22	545 F	1727 S	09453 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
530	47	183	211	14	7	16	7	9	6	14	2	15	4	184	05	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
3		2330	34624	23582	489	107	21			
3	25	2330	34609	23571	485	106	16			
3	50	2319	34814	23758	492	108	15			
3	75	2282	35123	24098	492	107	15			
3	100	2238	35243	24315	489	106	14			
3	125	2225	35347	24430	476	103	14			
2	146	2078	35463	24925	443	94	33			
2	194	1885	35664	25584	448	91	26			
2	243	1785	35699	25862	448	90	35			
2	291	1596	35632	26260	468	90	46			
2	388	1225	35208	26721	517	92	78			
2	485	1001	34871	26869	526	89	104			
2	670	677	34584	27144	334	53	203			
1	842	584	34665	27329	215	33	244			
1	1018	500	34672	27437	210	32	253			
1	1184	438	34680	27513	230	34				
1	1352	398	34684	27559	257	38	244			
1	1805	272	34724	27710	320	44	241			
1	2260	207	34739	27779	357	50	230			
1	2730	185	34749	27804	387	54	218			
1	3206	149	34724	27811	393	54	218			
1	3694	131	34723	27823	421	58	220			
1	4190	117	34726	27835	445	61	218			
1	4687	113	34724	27836	454	62	218			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	148	60	7	22	2200 F	1502 S	095 4 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4975	46	21 1	23 3	12	6	16	7	9	6	12	2	13	4	13 0	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		25 49	34290	22677	470	107	24			
2	24	25 49	34287	22675	467	106	19			
2	48	25 49	34285	22673	461	105	21			
2	72	24 40	34875	23448	475	106	16			
2	96	23 17	35189	24048	470	103	19			
2	119	21 73	35266	24514	435	93	32			
2	143	20 93	35433	24861	435	92	32			
2	190	19 58	35767	25475	429	89	35			
2	232	17 37	35677	25962	435	86	43			
2	275	15 33	35552	26341	446	85	54			
2	315	13 18	35340	26638	481	88	76			
2	358	11 62	35103	26760	505	89	76			
2	448	9 52	34810	26904	519	87	106			
2	645	7 34	34733	27181	293	47	186			
1	815	5 83	34768	27412	220	34	219			
1	1000	5 06	34704	27455	225	34	230			
1	1178	4 40	34653	27489	220	33	243			
1	1362	3 88	34677	27563	238	35	247			
1	1815	2 81	34740	27717	301	43	240			
1	2267	2 10	34741	27778	351	49	221			
1	2724	1 74	34726	27794	380	53	222			
1	3187	1 55	34721	27804	403	56	220			
1	3653	1 33	34721	27820	424	58	220			
1	4125	1 18	34719	27829	446	61	208			
1	4613	1 14	34713	27829	460	60	208			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	151	60	7	23	1400 F	1241 S	095 4 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
450	41	206	250	12	6	16	7	9	6	12	2	13	1	135	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2617	34281	22460	465	102	25			
2	23	2617	34265	22450	465	102	14			
2	47	2617	34262	22440	467	102	21			
2	70	2617	34260	22440	467	102	21			
2	93	2256	34808	23940	337	70	64			
2	116	2157	35118	24460	391	80	51			
2	139	2010	35348	25020	396	79	44			
2	183	1799	35511	25690	403	78	57			
2	226	1326	34877	26260	279	49	134			
2	268	1172	34829	26530	274	46	152			
2	358	1026	34823	26790	308	50	155			
2	455	877	34706	26930	279	44	184			
1	607	725	34672	27150	202	31	206			
1	790	613	34658	27280	191	28	226			
1	965	526	34645	27380	202	29	226			
1	1151	464	34658	27480	214	31	231			
1	1332	410	34680	37550	231	33	231			
1	1812	283	34742	27720	301	41	226			
1	2240	213	34745	27770	351	47	211			
1	2700	177	34740	27807	372	50	206			
1	3158	149	34813	27890	403	53	201			
1	3615	130	34731	27834	422	56	201			
1	4084	117	34722	27837	444	58	201			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	1530 F	1000 S	095 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5303	44	250	278	07	3	16	7	9	6	7	2	13	1	94	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2769	34545	22188	465	104	22			
2	24	2751	34541	22245	465	104	22			
2	47	2651	34778	22720	98	30	47			
2	70	2251	35131	24200	225	47	100			
2	93	2096	35170	24660	182	37	120			
2	117	1953	35056	24950	164	32	130			
2	140	1754	34879	25320	184	35	133			
2	183	1406	34731	25980	37	145	145			
2	222	1206	34718	26380	172	29	165			
1	782	674	34740	27270	161	24	220			
1	945	586	34697	27350	172	25	220			
1	1130	511	34694	27450	196	28	225			
1	1312	442	34719	27550	207	29	205			
1	1754	319	34746	27690	273	38	210			
1	2190	240	34748	27760	332	45	215			
1	2616	192	34736	27790	370	49	205			
1	3050	164	34736	27810	388	52	205			
1	3500	135	34728	27810	405	53	203			
1	3950	124	34723	27830	435	57	203			
1	4420	116	34720	27840	454	60	200			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	545 F	200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4572	36	278	283	24	4	16	7	9	6	24	9	26	9	89	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2888	34087	21440	454	109	12			
2	23	2885	34074	21440	454	109	12			
2	45	2883	34082	21453	432	103	12			
2	66	2876	34153	21529	450	107	12			
2	88	2840	34589	21975	438	104	12			
2	110	2686	34680	22543	344	80	50			
2	131	1787	34987	25312	145	29	142			
2	172	1254	35068	26555	133	24	172			
2	214	1208	35078	26653	145	26	170			
2	254	1163	35068	26731	169	30	169			
2	337	1100	35049	26832	169	29	167			
2	432	1042	35036	26926	131	22	190			
1	635	893	35015	27161	93	15	220			
1	830	747	34970	27349	98	16	220			
1	1000	662	34944	27447	112	18	220			
1	1191	561	34897	27541	151	23	220			
1	1361	499	34874	27598	172	26	220			
1	1808	327	34810	27730	258	37	220			
1	2270	224	34765	27786	321	45	215			1
1	2720	188	34743	27797	347	48	210			
1	3170	160	34738	27814	368	51	190			
1	3625	133	34733	27829	411	56	200			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	1310 F	4 S	095 7 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4572	36	261	278	21	5	16	8	9	6	20	2	99	9	63	05	05

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
4		2871	34300	21656	449	107	13			
4	24	2870	34268	21650	454	108	11			
4	48	2870	34304	21662	456	109	12			
4	70	2870	34360	21704	454	108	13			
4	93	2870	34521	21825	455	109	18			
4	116	1834	34556	24867	428	86	21			
4	138	1688	35094	25633	152	30	149			
4	188	1231	35064	26600	168	29	173			
4	226	1163	35052	26718	189	33	170	1		
4	270	1158	35044	26721	192	34	168	1		
4	361	1087	35017	26831	208	36	172			
4	455	991	34966	26960	168	29	193			
1	626	884	34997	27161	117	19	218			
1	813	736	34964	27360	102	16	229			
1	990	635	34932	27474	124	19	221			
1	1170	574	34898	27526	148	23	226			
1	1351	503	34870	27590	180	27	237			
2	1806	312	34795	27732	276	40	231			
3	2227	223	34760	27782	325	46	216			
3	2678	188	34745	27798	356	50	215			
3	3129	160	34735	27812	374	52	195			
3	3586	139	34728	27821	409	56	196			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	182	60	8	08	1200 F	230 S	095 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4572	23	244	269	16	3	16	7	9	6	16	2	15	1	86	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2868	34558	21860	449	107	19			
2	25	2868	34556	21858	457	109	18			
2	50	2868	34555	21857	455	109	19			
2	74	2868	34554	21857	450	108	20			
2	98	2858	34607	21929	442	106	19			
2	121	1976	34160	24204	177	36	130			
2	144	1495	35336	26260	156	29	163			
2	178	1330	35085	26410	182	32	161			
2	234	1225	35051	26599	168	30	173			
2	277	1139	35008	26729	189	33	173			
2	370	1066	34991	26849	197	34	178			
2	464	968	34946	26983	153	26	201			
1	630	858	34943	27160	127	21	219			
1	813	732	34927	27337	117	19	246			
1	990	657	34912	27429	126	20	243			
1	1172	556	34868	27525	156	24	234			
1	1350	479	34855	27620	192	29	237			
1	1797	312	34864	27800	276	38	230			2
1	2264	227	34764	27780	331	45	225			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1200 F	500 S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5212	36	250	283	15	3	16	7	9	6	15	2	16	1	9 1	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2852	34355	21771	455	103	13			
2	23	2849	34354	21769	451	107	13			
2	44	2844	34394	21816	445	106	13			
2	66	2690	35099	22845	391	91	39			
2	88	2360	35115	23860	264	56				
2	111	2147	35066	24445	197	40	110			
2	132	1679	34721	25368	210	41	135			
2	175	1348	34893	26231	162	30	160			
2	218	1202	34945	26561	153	27	170			
2	263	1146	34970	26686	172	30	170			
2	353	1040	34943	26857	171	29	172			
2	445	980	34911	26936	147	25	190			
1	610	856	34903	27132	133	22	210			
1	794	708	34812	27280	134	21	220			
1	960	597	34785	27408	155	24	234			
1	1143	507	34765	27502	182	28	222			
1	1315	439	34784	27594	206	31	222			
1	1753	306	34777	27723	283	41	222			
1	2190	225	34758	27779	333	47	210			
1	2688	186	34737	27794	364	51	208			
1	3171	159	34727	27806	379	52	196			
1	3648	133	34718	27817	415	57	195			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	194	60	8	14	1400 G	543 S	10623 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
9999	00	261	289	12	3	16	7	9	6			10	1	91	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2865	32797	20548	462	109	9			
1	10	2850	32770	20577	468	110	8			
1	20	2843	32780	20608	456	107	7			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	195	60	8	15	300 G	658 S	10433 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
2195	18	256	178	12	4	16	7	9	6	12	2	13	1	81	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2856	32915	20666	462	109	13			
2	25	2843	33365	21047	462	109	14			
2	50	2817	34009	21616	456	108	20			
2	75	2800	34178	21798	456	108	21			
2	100	2280	34531	23656	340	74	65			
2	125	1994	34535	24443	293	61	96			
2	150	1588	34551	25448	271	52	124			
2	200	1169	34559	26324	240	42	157			
1	273	1125	34943	26704	165	29	174			
1	361	994	34860	26872	171	29	174			
1	448	947	34870	26959	162	27	187			
1	620	825	34820	27115	146	24	211			
1	789	665	34714	27262	177	28	217			
1	960	546	34665	27376	201	31	218			
1	1126	508	34746	27486	189	29	221			
1	1300	441	34729	27548	214	32	220			
1	1750	320	34773	27707	274	40	216			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	197	60	8	15	1200 G	735 S	10539 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
2286	03	24 4	28 3	11	6	16	7	9	6	11	2	13	1	10 0	00	99

CAST	DEPTH	TEMP.	$s‰$	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		27 74	34094	21820	470	110	17			
1	25	27 54	34054	21854	462	108	16			
1	50	27 43	34247	22035	468	110	16			
1	75	27 42	34270	22055	462	108	19			
1	100	24 70	34240	22879	351	79	50			
1	125	19 85	34539	24469	286	59	95			
1	150	15 93	34561	25445	263	50	133			
1	200	13 46	34548	25968	252	46	142			
1	250	11 69	34568	26331	238	42	156			
1	300	10 43	34674	26642	203	35	170			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	200	60	8	15	2300 G	814 S	10743 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3109	26	261	267	13	4	16	7	9	6	13	2	14	1	100	00	

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	$\%O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2656	34190	22269	460	106	15			2
2	25	2656	34195	22273	473	109	18			
2	50	2656	34206	22281	476	110	17			
2	75	2506	34110	22672	447	101	36			
2	100	2185	34444	23858	300	64	78			
2	125	1894	34562	24721	282	57	99			
2	150	1599	34548	25421	276	53	114			
2	200	1334	34556	25999	266	48	135			
2	250	1149	34572	26372	235	41	162			
2	300	1051	34628	26593	215	37	166			
1	342	990	34740	26785	194	33	167			
1	430	971	34815	26876	182	31	178			
1	610	759	34723	27137	176	28	194			
1	786	667	34735	27276	170	27	211			
1	956	531	34659	27390	213	32	194			
1	1125	-449	34645	27473	228	34	208			
1	1299	399	34681	27555	242	36	204			
1	1728	287	34745	27715	294	42	198			
1	2160	216	34749	27779	335	47	183			
1	2593	192	34743	27794	364	51	195			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	203	60	8	16	1200 G	845 S	10923 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3566	03	244	272	12	5.	16	7	9	6	12	2	11	1	1111	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2657	34157	22241	473	109	19			
1	24	2657	34159	22242	482	111	17			
1	48	2657	34140	22228	476	110	16			
1	73	2250	34293	23561	317	68	78			
1	97	1901	34536	24683	289	59	97			
1	118	1652	34490	25254	297	58	111			
1	144	1530	34498	25538	288	55	116			
1	188	1355	34541	25945	262	48	142			
1	231	1172	34564	26323	245	43	157			
1	272	1051	34589	26562	230	39	172			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	208	60	8	17	830 H	935 S	113 9 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3109	26	228	256	12	5	16	9	9	9	12	2	18	1	1311	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2603	34193	22437	465	106	18			
2	24	2594	34177	22453	481	110	13			
2	47	2389	34270	23143	384	85	48			
2	71	2069	34437	24169	306	64	86			
2	95	1931	34473	24559	302	62	95			
2	118	1588	34547	25445	277	53	126			
2	142	1421	34557	25819	265	49	129			
2	188	1234	34563	26203	246	44	156			
2	234	1091	34568	26475	234	40	171			
2	279	1004	34619	26667	217	37	182			
1	334	919	34663	26843	212	35	192			
1	424	853	34668	26952	212	35	197			
1	595	699	34660	27173	193	31	219			
1	771	566	34625	27320	214	33	230			
1	947	496	34625	27404	234	35	225			
1	1113	439	34631	27473	224	33	227			
1	1300	388	34665	27554	244	36	225			
1	1736	274	34730	27715	320	46	216			
1	2177	212	34746	27780	348	49	208			
1	2616	176	34740	27804	377	52	217			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	211	60	8	17	2245 H	931 S	11521 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4206	03	222	256	14	4	16	7	9	6	14	2	22	1	1091	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2695	34116	22090	463	107	15			
1	25	2501	34233	22780	429	92	34			
1	50	2468	34213	22865	427	96	33			
1	75	2460	34201	22880	427	95	34			
1	100	1935	34445	24527	315	64	87			
1	125	1718	34477	25089	297	58	102			
1	150	1400	34500	25820	277	51	117			
1	200	1226	34517	26163	258	46	129			
1	250	1140	34515	26344	255	45	139			
1	300	1060	34570	26532	230	40	147			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	214	60	8	18	1200 H	801 S	116 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1463	12	244	283	22	4	16	7	9	8	22	2			1177	00	0

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2730	33628	21611	463	108	13			
2	24	2730	33700	21665	471	110	10			2
2	47	2730	33780	21725	460	107	12			2
2	70	2612	34223	22432	410	94	30			
2	93	2392	34367	23207	377	83	51			
2	115	1974	34478	24451	328	67	83			
2	136	1621	34560	25380	324	62	105			
2	381	913	34469	26702	244	41	185			
1	474	736	34521	27012	230	37	200			
1	659	615	34547	27197	215	33	222			
1	844	529	34574	27325	208	32	234			
1	1028	442	34595	27441	205	31	239			
1	1207	391	34614	27510	206	30	262			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	221	60	8	19	1645 H	901 S	11946 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1143	10	233	272	10	5	16	7	9	6	10	2	23	1	75	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2604	33970	22266	480	110	20			
1	24	2600	33972	22270	480	105	14			2
1	48	2510	34008	22570	451	97	24			2
1	71	2362	34076	23075	420	92	44			
1	95	2090	34225	23952	345	72	75			
1	119	1888	34228	24481	306	62	99			
1	142	1711	34433	25072	290	57	10			5
1	190	1368	34495	25882	271	50	134			
1	239	1188	34523	26261	255	45	157			
1	287	1078	34529	26468	244	42	165			
1	385	867	34515	26811	233	38	188			
1	482	796	34553	26949	220	36	193			
1	666	649	34591	27187	221	35	209			
1	849	542	34602	27331	221	34	214			
1	1033	459	34618	27441	228	34	216			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	225	60	8	20	1104 H	915 S	12225 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3109	27	228	250	16	3	16	8	9	6					120	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2604	34094	22359	495	113	20			
2	24	2366	34084	23069	407	89	50			
2	49	2299	34131	23299	369	80	59			
2	73	2248	34156	23463	348	75	66			
2	97	2029	34314	24182	360	75	83			
2	122	1869	34346	24619	345	70	96			
2	146	1622	34474	25312	311	60	100			
2	194	1375	34492	25865	285	52	131			
2	242	1165	34504	26289	264	46	144			
2	290	1030	34501	26530	252	43	165			
2	388	866	34511	26809	234	38	184			
1	493	764	34526	26975	228	37	178			
1	666	671	34563	27135	223	35	192			
1	845	530	34588	27335	228	35	186			
1	1018	441	34601	27447	231	34	205			
1	1200	407	34613	27500	231	33	206			
1	1380	381	34615	27530	230	32	200			
1	1825	347	34623	27570	221	31	203			
1	2269	338	34632	27580	217	30	204			
1	2742	344	34625	27566	211	31	204			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	233	60	8	22	830 I	746 S	12845 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4206	28	233	261	12	4	16	8	9	6	13	2	6	1	1311	00	00

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2623	34171	22358	474	109	19			
2	22	2611	34172	22396	474	109	18			
2	45	2593	34214	22484	468	107	24			
2	68	2522	34189	22683	430	97	40			
2	90	2270	34520	23676	331	72	69			
2	113	2124	34392	23986	313	66	80			
2	136	2058	34460	24216	300	63	91			
2	181	1626	34577	25381	279	54	118			
2	226	1413	34565	25842	263	49	117			
2	271	1182	34598	26330	215	38	142			
2	362	1004	34576	26634	245	42	182			
1	482	808	34581	26953	227	37	194			
1	668	630	34590	27211	224	35	210			
1	854	536	34601	27338	224	34	211			
1	1041	472	34607	27417	230	34	211			
1	1218	416	34615	27485	233	34	266			
1	1402	385	34618	27520	233	34	223			
1	1868	337	34625	27573	237	34	219			
1	2339	317	34626	27593	239	34	218			
1	2808	311	34626	27598	231	33	215			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	235	60	8	22	2030 I	851 S	12947 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
2468	18	236	256	10	4	16	8	9	6	10	2	10	1	130	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2604	34158	22408	470	108	18			
2	24	2604	34150	22402	468	107	17			
2	48	2604	34146	22399	465	106	19			
2	71	2594	34139	22424	458	105	20			
2	95	2440	34205	22942	367	82	49			
2	119	2156	34463	23952	284	60	83			
2	142	1916	34556	24660	257	52	97			
2	189	1615	34594	25420	260	50	112			
2	230	1386	34569	25902	260	48	129			
2	272	1198	34551	26263	244	43	141			
2	355	969	34552	26674	224	38	167			
1	425	900	34583	26812	221	37	176			
1	583	718	34584	27087	221	35	192			
1	758	593	34568	27241	215	33	207			
1	936	499	34607	27386	217	33	211			
1	1116	440	34621	27464	221	33	211			
1	1303	401	34634	27516	233	34	213			
1	1791	282	34702	27685	280	40	201			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	239	60	8	23	1200 I	1004 S	13157 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
79	01	228	256	12	5	16	7	9	6	12	2	12	1	133	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%$ O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2575	34228	22550	474	108	17			
1	10	2570	34213	22554	476	108	22			
1	20	2570	34215	22556	482	110	20			
1	30	2567	34214	22564	474	108	32			
1	40	2557	34216	22597	471	107	22			
1	50	2544	34243	22657	464	105	32			
1	60	2532	34247	22697	450	102	34			
1	70	2491	34255	22827	416	93	42			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	242	60	8	24	1 1	1003 S	134 6 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
73	01	228	253	10	3	16	7	9	6	10	2	9	1	1336	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2543	34285	22692	474	107	20			
1	10	2537	34284	22709	476	108	14			
1	20	2522	34286	22756	479	108	21			
1	30	2517	34285	22771	482	109	15			
1	40	2510	34343	22836	476	107	16			
1	50	2508	34386	22874	474	107	21			
1	60	2500	34395	22905	464	105	23			
1	70	2445	34397	23073	398	89	58			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	245	60	8	24	1200 I	1000 S	136 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
59	01	239	256	11	3	16	8	9	6	12	2	10	1	1455	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2500	34409	22916	488	110	15			
1	10	2495	34586	23065	485	109	12			
1	20	2491	34382	22923	488	110	13			
1	30	2486	34410	22959	488	110	14			
1	40	2486	34383	22939	485	109	15			
1	50	2486	34412	22961	485	109	15			
1	60	2247	34517	23739	288	62	86			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	248	60	8	25	1 1	1004 S	138 5 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
53	01	22 2	25 0	09	3	16	7	9	6	11	2	10	1	13 3	00	99

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2555	34604	22895	474	108	40			
1	10	2551	34604	22907	471	107	40			
1	20	2552	34598	22900	471	107	40			
1	30	2550	34601	22908	474	108	37			
1	40	2548	34603	22916	474	108	37			
1	50	2551	34597	22902	474	108	37			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	251	60	8	25	1200 I	1007 S	140 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
51	00	239	256	11	6	16	7	9	6	11	2	10	1	123	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2510	35570	23761	476	108	10			
1	10	2508	35584	23778	485	110	9			
1	20	2508	35588	23781	476	108	10			
1	30	2504	35585	23791	474	108	8			
1	40	2504	35588	23793	476	108	13			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	253	60	8	31	1 K	903 S	14446 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
88	01	228	244	18	4	16	7	0	4	16	2	16	1	123	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%_o$ O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2522	34777	23127	474	107	16			
1	10	2520	34782	23137	473	107	16			
1	20	2498	34986	23357	477	108	13			
1	30	2484	35226	23581	475	107	14			
1	40	2476	35349	23698	479	108	15			
1	50	2468	35368	23737	479	108	16			
1	60	2460	35360	23755	461	104	19			
1	70	2460	35360	23755	443	100	19			
1	80	2458	35350	23753	455	102	19			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	254	60	9	01	630 I	1208 S	13946 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
6	1	217	239	01	3	16	8	0		11	3			119	00	99

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	$\%\ ^{O_2}$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2562	35030	23195	471	108	31			
1	10	2558	35034	23210	466	106	32			
1	20	2558	35030	23207	462	106	27			
1	30	2564	35047	23201	462	106	26			
1	40	2551	35034	23232	455	104	28			
1	50	2526	35202	23435	324	74	54			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	255	60	9	01	1545 I	1310 S	13858 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
59	01	217	239	10	2	16	7	4	2					115	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2546	35182	23359	498	114	5			
1	10	2529	35175	23405	495	113	6			
1	20	2517	35176	23443	492	112	9			
1	30	2432	35149	23679	530	119	10			
1	40	2331	35731	24417	440	97	14			
1	50	2324	35761	24460	426	94	19			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	256	60	9	02	307 I	1130 S	138 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
59	01	217	239	12	2	16	7	0		12	1	8	4	135	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2543	34427	22799	477	108	28			
1	10	2534	34424	22824	471	107	31			
1	20	2536	34424	22818	471	107	27			
1	30	2540	34424	22806	472	107	28			
1	40	2478	34793	23272	468	105	26			
1	50	2460	35084	23486	357	81	56			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	257	60	9	03	1 I	800 S	136 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
53	01	222	250	12	3	16	8	3	3	12	2	11	1	124	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2567	34320	22644	468	107	60			
1	10	2565	34320	22650	470	107	59			
1	20	2565	34338	22664	468	106	57			
1	30	2503	34457	22943	420	95	60			
1	40	2351	34421	23368	263	58	107			
1	50	2317	34422	23467	225	49	119			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	258	60	9	03	1000 I	800 S	134 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
64	01	228	250	14	3	16	7	4	8	14	2	11	1	109	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2566	34164	22530	469	107	19			
1	10	2559	34140	22533	471	107	24			
1	20	2559	34146	22538	462	105	23			
1	30	2564	34152	22527	460	105	21			
1	40	2560	34155	22541	462	105	21			
1	50	2545	34173	22601	458	104	26			
1	60	2246	34430	23676	263	57	80			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	260	60	9	03	2045 I	805 S	13148 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1298	09	228	250	12	3	16	8	4	4	12	2	11	1	1011	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2571	34188	22532	482	110	38			
2	25	2565	34182	22546	480	109	32			
2	50	2562	34214	22580	477	108	33			
2	75	2564	34221	22579	468	106	33			
2	99	2204	34483	23834	239	51	100			
2	124	2080	34569	24240	254	53	90			
2	148	1942	34601	24628	251	51	106			
2	198	1596	34579	25452	239	46	129			
1	195	1596	34579	25452	239	46	126			
1	233	1405	34604	25889	221	41	145			
1	309	1117	34598	26451	210	37	168			
1	380	899	34591	26820	210	35	183			
1	562	733	34595	27074	212	34	196			
1	735	591	34603	27272	211	33	208			
1	911	526	34625	27369	214	33	220			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	264	60	9	04	900 I	853 S	12941 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
224	17	233	256	11	3	16	8	6	4	11	2	11	1	1132	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2610	34171	22399	463	106	26			
2	25	2601	34161	22419	498	114	25			
2	46	2600	34157	22419	498	114	23			
2	69	2566	34128	22503	443	101	36			
2	92	2502	34207	22758	395	89	49			
2	115	2158	34474	23955	261	60	90			
2	139	1966	34550	24527	253	52	98			
2	185	1651	34593	25336	260	50	118			
2	231	1392	34587	25903	251	46	135		2	
2	278	1181	34564	26306	239	42	151			
2	370	936	34577	26748	227	38	175			
1	426	870	34575	26853	221	36	178			
1	595	700	34588	27115	221	35	200			
1	762	595	34610	27272	208	32	211			
1	942	511	34617	27380	215	33	213			
1	1100	450	34624	27455	212	32	212			
1	1289	393	34634	27524	227	33	215			
1	1745	297	34699	27669	277	40	208		2	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	267	60	9	04	2205 H	832 S	12728 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1189	10	239	261	14	4	16	9	3	1	14	2			113	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2633	34253	22389	471	108	12			
2	24	2624	34266	22426	468	107	10			
2	49	2509	34292	22801	458	103	14			
2	73	2426	34371	23109	378	84	38			
2	97	2235	34405	23688	351	76	54			
2	122	2004	34469	24366	329	68	70			
2	146	1715	34549	25151	304	60	87			
2	195	1463	34561	25733	279	52	110			
1	232	1261	34518	26116	275	49	126			
1	275	1186	34542	26279	248	44	141			
1	360	996	34553	26629	231	39	160			
1	446	838	34559	26890	221	36	175			
1	617	676	34585	27146	221	35	192			
1	788	554	34604	27319	215	33	200			
1	960	480	34612	27412	218	33	204			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	268	60	9	05	300 I	901 S	12748 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3383	30	244	256	11	3	16	9	1	2	11	2	11	1	1132	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2624	34154	22342	471	108	12			
2	25	2620	34138	22343	465	107	10			
2	50	2597	34114	22396	448	102	13			
2	74	2539	34165	22613	392	89	31			
2	98	2283	34399	23547	279	61	70			
2	122	2027	34500	24329	275	57	83			
2	147	1794	34515	24934	291	58	81			
2	195	1499	34571	25662	242	46	117			
2	242	1313	34554	26040	242	44	128			
2	288	1193	34561	26281	239	42	138			
2	377	934	34553	26733	224	37	162			
1	467	825	34568	26917	218	36	175			
1	657	662	34571	27154	213	33	187			
1	848	552	34599	27317	210	32	200			
1	1039	473	34606	27415	213	32	199			
1	1230	414	34614	27486	215	32	204			
1	1422	347	34647	27581	241	35	200			
1	1899	284	34699	27681	273	39	191			
1	2376	280	34708	27692	284	41	187			
1	2853	270	34713	27705	275	39	167			
1	3044	262	34712	27711	286	41	166			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	269	60	9	05	800 I	836 S	128 7 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
585	04	256	261	11	3	16	9	1	2	11	2	10	1	120	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2638	34143	22290	457	105	4			
1	25	2631	34134	22305	460	106	6			
1	49	2630	34132	22307	451	104	8			
1	73	2596	34117	22401	439	100	10			
1	97	2399	34275	23117	280	62	50			
1	121	2031	34450	24280	290	60	71			
1	145	1835	34509	24829	287	58	78			
1	192	1588	34574	25466	265	51	98			
1	235	1386	34569	25902	246	45	114			
1	278	1229	34559	26210	239	43	127			
1	362	926	34545	26740	223	37	156			
1	448	793	34567	26965	211	34	168			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	271	60	9	05	1400 I	1004 S	12824 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
73	01	267	278	12	4	16	9	0		12	2	10	1	123	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2663	34193	22249	454	105	19			
1	10	2692	34178	22272	457	105	20			
1	20	2639	34202	22331	460	106	25			
1	30	2640	34276	22384	452	104	26			
1	40	2628	34409	22522	417	96	39			
1	50	2616	34392	22546	407	93	40			
1	60	2615	34400	22555	398	91	41			
1	70	2618	34428	22567	400	92	41			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	273	60	9	05	1740 I	1035 S	12843 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
9999	01	261	267	11	4	16	9	0		11	2	8	1	109	00	99

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2694	34417	22319	470	109	13			
1	10	2688	34416	22338	472	110	14			
1	20	2688	34407	22331	470	109	15			
1	30	2678	34394	22353	469	109	12			1
1	40	2660	34397	22412	476	110	12			
1	50	2651	34406	22447	472	109	11			
1	60	2639	34434	22506	465	107	16			
1	70	2613	34434	22587	410	94	29			
1	80	2566	34414	22718	379	86	40			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	275	60	9	05	2125 I	1108 S	129 2 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
35	00	239	256	07	3	16	9	0		7	2	8	1	1110	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2678	34572	22467	457	106	19			
1	10	2672	34564	22500	457	106	20			
1	20	2673	34561	22494	457	106	17			
1	30	2660	34562	22536	457	106	18			1

SHIP	CRUISE	STATION	YEAR	MONTH	D/Y	TIME	LATITUDE	LONGITUDE
11	2	276	60	9	06	120 I	1138 S	12920 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
55	00	256	261	08	2	16	8	0						112	00	99

CAST	DEPTH	TEMP.	$s‰$	σ_t	O_2	$\%_o$ O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2692	34747	22574	479	112	24			
1	10	2690	34758	22588	466	109	28			
1	20	2664	34715	22639	466	108	25			
1	30	2640	34703	22705	468	108	30			
1	40	2638	34703	22712	460	106	29			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	281	60	9	12	1440 H	1343 S	12442 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
86	01	250	283	19	2	16	8	1	2	19	1	23	1	93	00	99

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2772	34988	22498	469	111	27	06		
1	10	2722	34985	22657	475	111	26	07		
1	20	2720	34986	22669	472	105	26	08		
1	30	2648	34878	22812	475	110	27	09		
1	40	2603	34873	22949	460	106	35	10		
1	50	2591	34864	22980	443	102	39	06		
1	60	2586	34852	22975	430	94	38			
1	70	2584	34846	22988	426	98	43			
1	80	2581	34846	22997	426	98	41			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	282	60	9	12	1842 H	1322 S	12426 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
163	01	233	267	24	2	16	8	1	2	24	1	24	1	1088	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2763	34795	22382	472	111	20			
1	20	2701	34813	22595	470	110	23			
1	39	2611	34672	22773	472	108	21			
1	58	2540	34677	22996	436	99	34			
1	78	2464	34664	23217	369	83	49			
1	97	2356	34631	23512	360	79	59	03		
1	122	2166	34609	24035	321	68	78			
1	146	2022	34618	24432	294	61	96	03		

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	283	60	9	12	2122 H	1250 S	12415 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
192	02	236	267	18	1	16	8	1	2				1	1112	00	99

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2753	34671	21994	445	106	20	05		
1	25	2653	34608	22593	470	109	18	03		
1	49	2602	34647	22782	478	110	19	01		
1	74	2581	34667	22862	454	104	26	08		
1	99	2534	34677	23015	430	98	34	05		
1	124	1991	34599	24499	302	62	90			
1	148	1668	34600	25301	254	49	117	03		
1	178	1576	34598	25512	242	46	122			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	284	60	9	13	40 H	1218 S	124 3 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
88	01	239	267	19	1	16	8	1	2				1	110	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2682	34311	22278	470	109	17	05		
1	10	2667	34391	22385	474	110	19	03		
1	20	2656	34568	22553	471	109	18	05		
1	30	2600	34630	22775	462	106	23	06		
1	40	2568	34638	22881	453	103	29			
1	50	2553	34626	22918	446	101	29	04		
1	60	2544	34636	22953	446	101	31			
1	70	2544	34636	22953	444	101	31			
1	80	2540	34638	22967	440	100	30			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	285	60	9	13	330 H	1154 S	12347 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
172	01	233	256	23	2	16	8,	1	2	23	1	21	1	1033	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2683	34482	22403	462	107	20	04		
1	20	2665	34496	22471	466	108	19			
1	39	2632	34561	22623	470	108	18			
1	59	2592	34572	22757	447	102	27			
1	78	2545	34572	22902	429	97	30			
1	98	2442	34555	23201	399	89	45	02		
1	123	2082	34522	24199	312	65	85			
1	147	1792	34530	24951	259	52	109	16		

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	286	60	9	13	830 H	1109 S	12325 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1829	08	244	272	20	3	16	8	1	2	20	1	20	1	1013	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2708	34270	22164	468	109	9	04		
2	24	2692	34253	22202	473	110	7	04		
2	49	2651	34227	22312	473	109	101	03		
2	73	2589	34220	22501	425	97	20	03		
2	98	2429	34233	22996	350	78	46	05		
2	122	2148	34344	23884	331	70	64			
2	147	1883	34511	24710	274	55	95	03		
2	196	1519	34562	25611	248	47	122			
2	245	1346	34558	25976	243	44	138			
2	294	1147	34549	26358	230	40	154			
1	367	974	34562	26674	221	37	172			
1	635	655	34580	27170	218	34	201			
1	813	546	34594	27320	217	33	207			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	292	60	9	14	808 H	1119 S	11841 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4389	39	222	256	22	4	16	7	1	2	22	2	23	4	99	20	40

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2651	34262	22339	472	109	21	08		
2	22	2634	34253	22385	478	110	19	04		
2	45	2541	34279	22693	428	97	40	05		
2	67	2428	34318	23063	377	84	54	03		
2	90	2251	34383	23626	350	76	67	03		
2	112	2073	34403	24133	334	70	78			
2	134	1845	34666	24924	211	42	105	03		
2	177	1471	34503	25671	211	39	129			
2	220	1399	34547	25858	248	46	137			
2	264	1205	34548	26248	242	43	149			
2	350	961	34517	26660	228	38	173			
2	437	881	34585	26843	216	36	178			
1	590	728	34592	27079	206	33	189			
1	760	605	34599	27251	204	32	200			
1	930	509	34604	27372	214	32	188			
1	1094	455	34615	27443	214	32	181			
1	1259	402	34636	27516	224	33	210			
1	1690	286	34713	27690	279	40	199			
1	2118	224	34738	27764	316	45	186			
1	2545	190	34738	27791	349	49	182			
1	2971	161	34736	27812	369	51	181			
1	3408	137	34734	27827	397	55	171			
1	3871	102	34724	27843	419	57	174			1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	295	60	9	14	2150 H	1301 S	11927 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4297	32	239	261	19	3	16	8	0		19	3	20	2	1014	00	00

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2659	34277	22325	465	107	21	03		
2	23	2654	34259	22327	460	106	22	03		
2	46	2621	34303	22464	462	106	20	04		
2	68	2576	34343	22634	462	105	23	03		
2	90	2517	34463	22905	385	87	48	02		4
2	112	2491	34818	23252	465	105	27			
2	134	2424	34877	23498	378	84	45			
2	178	1995	34516	24425	282	58	90	02		
2	223	1602	34604	25457	244	47	122			
2	269	1408	34689	25948	242	45	134			
2	359	1062	34657	26596	235	40	154			
2	450	887	34650	26885	266	44	161			
1	550	714	34639	27136	266	42	170			
1	658	677	34605	27160	202	32	201			
1	800	575	34602	27291	202	31	208			
1	937	508	34603	27373	212	32	210			
1	1085	453	34617	27446	215	32	214			
1	1425	358	34655	27579	242	35	211			1
1	1880	375	34716	27608	288	42	208			1
1	2248	189	34730	27786	320	45	206			1
1	2656	218	34732	27764	346	49	195			1
1	3075	169	34733	27803	361	50	185			1
1	3182	156	34726	27807	370	51	192			1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	297	60	9	15	600 H	1332 S	11950 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3091	10	233	256	17	3	16	8	0		17	2	21	1	93	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2623	34584	22669	462	106	9	04		
2	22	2615	34580	22691	462	106	4	03		
2	43	2610	34573	22701	455	104	7	05		
2	65	2557	34623	22903	455	104	8	05		
2	87	2509	34747	23144	436	99	12	01		
2	108	2338	34743	23649	332	73	48			
2	130	2252	34869	23992	310	67	49	01		
2	173	1949	34794	24757	247	51	76			
2	216	1695	34859	25436	253	50	88			
2	260	1402	34845	26081	253	47	105			
2	346	1013	34635	26664	239	41	144			
2	433	876	34620	26879	239	39	143			
1	565	734	34603	27079	218	35	174			
1	706	628	34595	27218	199	31	188			
1	865	546	34600	27325	220	34	192			
1	1016	484	34604	27401	206	31	199			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	299	60	9	15	1452 H	1449 S	12024 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1609	14	239	261	22	4	16	8	0		22	2	21	1	1014	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2658	34515	22507	465	108	23	04		
2	24	2628	34587	22656	462	106	34	05		
2	49	2567	34604	22858	460	105	36	05		
2	73	2534	34721	23048	453	103	36	06		
2	98	2487	34860	23296	415	94	33	04		
2	122	2354	34838	23675	338	78	61			
2	146	2175	34822	24172	289	62	76	05		
2	194	1740	34845	25318	260	51	119			
2	241	1379	34728	26039	244	45	148			
2	288	1160	34672	26429	238	42	163			
2	379	999	34728	26761	262	48	163			
2	468	868	34662	26924	294	48	177			
1	648	652	34601	27191	206	32	229			
1	836	550	34603	27323	207	32	235			
1	1031	470	34612	27423	215	32	235			
1	1221	406	34627	27505	225	33	234			
1	1415	348	34661	27591	246	36	227			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	301	60	9	15	2150 H	1541 S	12051 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
267	~ 02	228	250	20	4	16	8	0		20	2	21	1	109	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2593	34611	22783	466	107	19	0	4	
1	24	2582	34602	22810	466	107	19	0	4	
1	48	2508	34764	23160	442	100	27	0	3	
1	72	2472	34863	23343	429	96	31	0	5	
1	96	2331	34874	23769	354	78	53	0	2	
1	120	2138	34828	24279	291	62	79			
1	145	2074	34843	24464	286	60	88	0	4	
1	193	1613	34701	25520	256	47	116			
1	241	1399	34757	26020	255	47	135			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	303	60	9	16	110 H	1607 S	121 5 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
66	01	222	244	21	4	16	8	0		21	2	21	1	138	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2553	34777	23032	475	108	22	06		
1	10	2545	34772	23052	470	107	26	07		
1	20	2546	34773	23050	466	106	27	07		
1	30	2545	34774	23054	473	108	27	08		
1	40	2530	34773	23099	475	108	28	08		
1	50	2522	34774	23124	452	102	28	09		
1	60	2493	34778	23216	429	97	29			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	304	60	9	16	410 H	1635 S	12119 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
42	00	222	244	21	2	16	8	0		21	2	22	1	142	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2522	34768	23120	465	105	25			
1	10	2516	34762	23134	465	105	21			
1	20	2518	34760	23126	465	105	22			
1	30	2510	34762	23152	465	105	23			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	305	60	9	16	705 H	1700 S	12133 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
44	00	228	244	24	2	16	8	0		24	2			115	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2508	34815	23198	465	105	19			
1	10	2505	34810	23203	463	105	21			
1	20	2506	34810	23200	455	103	23			
1	30	2503	34813	23212	461	104	23			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	306	60	9	16	918 H	1725 S	12142 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
42	00	233	250	24	2	16	8	1	1	24	2	24	1	1141	00	99

CAST	DEPTH	TEMP.	$s‰$	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2506	34966	23318	470	106	23			
1	10	2489	34966	23370	471	106	24			
1	20	2491	34965	23363	465	105	23			
1	30	2491	34965	23363	465	105	26			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	312	60	9	17	750 H	1942 S	11745 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
62	01	200	233	12	1	16	8	1	4	12	1	28	1	117	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2404	35039	23679	476	106	18			
1	10	2386	35029	23725	474	105	18			
1	20	2388	35029	23719	470	104	12			
1	30	2391	35029	23710	471	105	14			
1	40	2374	35045	23772	476	105	21			
1	50	2375	35104	23814	466	103	19			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	313	60	9	17	1052 H	1916 S	11729 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
119	01	214	247	12	2	16	8	1	4	12	1	27	1	115	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1	—	2417	35051	23650	453	101	12	02		
1	20	2407	35059	23686	474	106	13			
1	40	2403	35067	23703	473	105	14			
1	60	2378	35112	23811	449	100	20			
1	80	2344	35173	23957	450	99	23			
1	100	2339	35185	23981	455	100	25	04		

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	314	60	9	17	1437 H	1850 S	11719 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
292	03	211	239	09	2	16	8	1	2	9	1	27	1	117	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2488	34858	23300	467	101	10	02		
1	25	2450	34846	23390	470	101	15	03		
1	50	2426	34903	23500	474	101	16			
1	75	2403	34963	23630	467	99	17	03		
1	100	2367	35033	23784	439	97	29	02		
1	125	2308	35058	23974	384	84	39			
1	150	2214	35066	24248	351	76	54	01		
1	200	2003	35063	24821	322	67	71			
1	250	1471	35022	26070	304	57	106			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	315	60	9	17	1740 H	1820 S	117 5 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1554	10	21 1	24 4	26	2	16	8	1	2	30	2	=	1	10 5	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2506	34813	23203	462	104	15	03		
2	24	2475	34814	23297	462	104	14	03		
2	49	2455	34986	23487	467	105	15	03		
2	73	2451	35010	23517	467	105	16	02		
2	97	2388	35036	23724	454	101	21	01		
2	121	2391	35038	23717	385	86	46			
2	146	2176	35003	24307	340	73	62			
2	194	1889	35074	25124	368	78	75			
2	243	1570	35027	25855	312	60	101			
1	290	1337	34977	26318	289	53	120			
1	383	1056	34853	26759	365	63	120			
1	475	870	34703	26953	414	68	132			
1	657	660	34630	27203	229	36	185			
1	844	563	34631	27329	206	32	192			
1	1032	485	34628	27419	211	32	199			

2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	317	60	9	18	2 H	1726 S	11641 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
2286	14	211	244	26	2	16	8	1	3	26	1	24	1	105	00	00

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	$\%_o$ O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2589	34495	22708	470	107	19	04		
2	25	2553	34632	22922	473	108	32	05		
2	49	2539	34722	23033	475	108	19	04		
2	74	2502	34841	23236	473	107	19	07		
2	99	2415	34832	23490	397	88	36	03		
2	123	2326	34950	23841	349	77	43			
2	147	2188	35010	24279	326	70	69	02		
2	194	1844	34923	25122	286	58	97			
2	240	1596	34994	25770	289	56	110			
2	287	1354	34896	26221	286	52	132			
2	384	1068	34825	26716	322	56	143			
1	455	918	34750	26913	410	68	136			
1	640	698	34629	27150	250	40	196			
1	829	567	34629	27322	212	33	225		1	
1	1012	485	34630	27421	215	32	223			
1	1194	432	34639	27487	224	33	229			
1	1375	354	34664	27587	252	37	227		5	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	319	60	9	18	630 H	1626 S	11615 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4572	42	211	239	27	2	16	7	1	7			24	1	104	00	00

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2574	34570	22811	467	107	19	04		
2	25	2539	34641	22972	474	108	16	05		
2	49	2440	34752	23355	473	106	17	04		
2	72	2393	34745	23490	378	84	49	08		
2	96	2235	34806	23992	275	59	64	05		4
2	119	2113	34823	24343	304	64	79			
2	142	2041	35020	24687	312	65	77			
2	187	1779	35006	25346	289	58	97			
2	232	1529	34928	25870	277	53	113			
2	271	1327	34941	26311	294	54	125			
2	366	1074	34847	26722	343	59	128			
2	458	889	34713	26931	388	64	144			
1	659	687	34631	27167	229	36	192			
1	836	568	34620	27314	200	31	208			
1	1022	484	34623	27416	206	31	215			
1	1208	429	34637	27488	212	31	216			
1	1390	370	34663	27571	232	34	210			
1	1846	251	34721	27728	294	42	206			
1	2302	210	34725	27765	332	47	204			
1	2767	184	34738	27796	352	49	194			
1	3230	133	34723	27821	391	54	186			
1	3696	122	34715	27823	416	57	180			
1	4172	116	34713	27825	430	59	168			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	321	60	9	18	1545 H	1535 S	11556 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5706	50	222	250	24	2	16	8	8	4			21	1	100	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2588	34405	22643	465	106	10	04		
2	25	2574	34590	22826	467	107	10	04		
2	50	2565	34539	22815	470	107	8	08		
2	75	2522	34566	22968	462	105	8	07		
2	100	2451	34683	23271	385	86	30	06		
2	124	2323	34730	23683	337	74	48			
2	149	2199	34925	24183	320	69	59	05		
2	194	1804	34922	25221	266	53	91			
2	239	1559	35124	25954	320	61	88			
2	285	1329	34953	26316	300	55	118			
2	379	1114	34905	26695	349	61	118			
2	475	882	34775	26991	337	56	147			
1	652	670	34616	27178	218	34	193			
1	840	525	34603	27353	206	31	201			
1	1027	460	34623	27443	208	31	221			
1	1211	417	34637	27501	218	32	236			
1	1395	361	34661	27578	232	34	221			
1	1845	250	34717	27725	269	41	199			
1	2312	205	34737	27779	325	46	193			
1	2770	160	34734	27811	354	49	165			5
1	3220	148	34727	27814	380	52	165			5
1	3670	125	34725	27829	414	57	165			5
1	4122	118	34717	27827	415	57	165			5
1	4573	119	34711	27822	428	59	142			5
1	5032	127	34715	27819	416	57	180			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	323	60	9	18	2300 H	1445 S	11522 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5752	52	233	244	22	6	16	8	8	3	22	2	21	1	1288	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2567	34404	22707	475	108	18	04		
2	25	2560	34486	22791	475	108	19	01		
2	49	2493	34610	23089	473	107	19	03		
2	73	2451	34702	23285	467	105	19	01		
2	97	2381	34815	23578	382	85	46	01		
2	121	2272	34862	23929	337	73	58			
2	145	2166	34866	24230	320	68	67	01		
2	191	1888	34916	25006	294	60	82			
2	237	1594	35048	25816	307	59	101			
2	283	1328	35009	26361	322	59	110			
2	380	1057	34901	26794	435	75	104			
2	478	849	34681	26969	405	66	132			
1	658	676	34629	27180	224	35	186			
1	847	564	34630	27327	194	30	209			
1	1033	469	34623	27433	212	32	211			
1	1220	413	34631	27501	221	33	207			
1	1410	354	34663	27586	242	35	200			
1	1880	247	34725	27734	300	43	190			
1	2348	200	34737	27783	346	48	209			
1	2818	148	34739	27824	371	51	190			
1	3276	141	34728	27820	395	54	187			
1	3757	123	34729	27833	422	58	181			
1	4228	117	34727	27836	424	58	181			
1	4697	112	34726	27838	428	58	181			
1	5167	120	34717	27826	416	57	181			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	325	60	9	19	800 H	1343 S	11449 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5358	47	25 0	25 6	23	3	16	8	8		23	1	22	1	11 1	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2594	34354	22586	470	107	17	03		
2	24	2581	34342	22618	470	107	13	03		
2	49	2538	34591	22938	465	106	13	04		
2	73	2511	34727	23123	475	107	15	03		
2	97	2453	34805	23357	475	106	17	03		
2	121	2327	34912	23809	388	85	41			
2	145	2213	34994	24196	367	79	48	02		
2	193	1852	35036	25189	312	63	30			
2	240	1445	34831	25979	266	50	119			
2	288	1183	34770	26462	266	47	136			
2	385	999	34801	26818	370	63	124			
2	482	800	34639	27011	281	46	154			
1	664	660	34607	27185	209	33	192			
1	846	546	34608	27331	209	32	202			
1	1032	473	34613	27421	218	33	203			
1	1214	424	34626	27485	235	35	207			
1	1398	393	34662	27546	235	35	203			
1	1865	256	34725	27727	294	42	200			
1	2335	205	34736	27778	325	46	194			
1	2813	167	34731	27803	367	51	183			
1	3274	146	34725	27814	392	54	189			
1	3754	123	34722	27828	420	58	177			
1	4229	117	34718	27829	424	58	182			
1	4705	120	34717	27826	433	59	162			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	327	60	9	19	1800 H	1224 S	11418 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4572	42	22 2	25 0	19	2	16	6	0	1	19	2	21	1	10 5	00	00

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2676	34324	22306	470	109	12	03		
2	25	2661	34312	22345	470	109	10			
2	48	2589	34329	22583	467	107	12	03		
2	73	2567	34457	22747	435	99	24	05		
2	97	2405	34549	23306	340	73	52	06		
2	120	2183	34579	23966	289	62	76			
2	144	2045	34696	24430	289	60	82	06		
2	191	1707	35020	25531	310	61	102			
2	237	1478	34916	25973	272	51	131			
2	284	1228	34801	26399	272	49	104			6
2	377	1025	34766	26746	312	53	150			
2	470	889	34692	26914	325	54	145			
1	653	655	34618	27200	208	33	194			
1	832	549	34606	27326	212	32	200			
1	1014	477	34609	27413	224	34	201			
1	1196	419	34623	27488	229	34	202			
1	1377	358	34667	27586	250	36	200			
1	1835	250	34736	27740	310	44	192			
1	2299	202	34741	27784	346	48	178			
1	2757	168	34732	27803	369	51	171			
1	3133	145	34735	27823	401	55	169			
1	3676	120	34719	27827	428	59	162			
1	4216	108	34717	27834	439	60	163			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	329	60	9	20	2030 H	1053 S	11332 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
6218	55	222	250	12	4	16	7	0	8	12	2	21	1	110	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2641	34386	22464	471	109	11	04		
2	24	2565	34329	22657	471	107	10	05		
2	49	2547	34500	22841	459	104	11	07		
2	73	2460	34646	23216	390	87	33	03		
2	97	2167	34366	23848	292	62	78	03		2
2	121	2011	34656	24490	272	56	79			
2	145	1782	34721	25121	272	54	92	03		
2	192	1450	34776	25926	249	46	120			
2	239	1178	34561	26309	232	41	156			
2	285	1057	34568	26535	226	39	157			
2	377	904	34626	26839	215	36	170			
2	470	834	34662	26977	191	31	186			
1	656	636	34617	27225	199	31	196			
1	843	536	34608	27343	208	32	207			
1	1018	465	34617	27433	217	32	208			
1	1195	416	34634	27500	226	33	205			
1	1370	365	34679	27588	240	35	211			1
1	1812	273	34731	27717	292	42	206			
1	2268	215	34743	27775	316	44	199			
1	2726	185	34731	27800	359	48	191			
1	3188	149	34728	27822	385	51	186			
1	3650	126	34719	27823	414	57	180			
1	4115	115	34716	27828	433	59	178			
1	4582	119	34720	27829	437	60	185			
1	5051	125	34713	27819	440	60	181			
1	5521	130	34713	27816	445	61	182			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	334	60	9	21	430 G	1243 S	109 8 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
3475	35	222	244	15	6	16	7	0	5	15	2	17	2	104	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2588	34313	22574	468	107	27	08		
2	25	2588	34314	22575	474	108	24	09		
2	49	2502	34310	22835	429	97	39	09		
2	74	2330	34374	23393	342	75	65	06		
2	99	2153	34391	23906	302	64	84	08		
2	123	1962	34470	24476	268	55	97			
2	147	1790	34469	24909	298	59	103	05		
2	193	1544	34763	25710	264	50	120			
2	234	1324	34837	26237	283	52	124			
2	279	1116	34663	26503	240	42	154			
2	375	1000	34717	26750	258	44	157			
2	474	849	34681	26969	321	53	158			
1	639	681	34641	27183	199	31	200			
1	810	578	34615	27297	199	31	209			
1	981	502	34613	27388	211	32	209			
1	1155	440	34626	27468	211	31	211			
1	1331	392	34650	27538	232	34	211			
1	1787	284	34715	27694	292	42	204			
1	2248	216	34736	27769	304	43	200			
1	2710	177	34737	27800	366	51	200			
1	3180	146	34728	27816	395	54	195			
1	3473	129	34717	27819	399	55	190			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	336	60	9	21	1515 G	1403 S	11015 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5852	52	228	256	16	8	16	7	0	2	16	2	20	2	120	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2646	34256	22350	474	109	16	04		
2	25	2638	34271	22386	470	108	16	03		
2	49	2631	34243	22387	468	108	17	06		
2	73	2579	34260	22562	468	107	20	03		
2	98	2534	34274	22711	450	102	29	04		
2	122	2422	34286	23057	389	86	42			
2	146	2222	34367	23696	318	68	69	03		
2	193	1731	34573	25131	271	53	103			
2	240	1541	34962	25870	299	57	102			
2	287	1385	35071	26291	338	62	98			
2	378	1058	34844	26748	350	60	120			
2	468	910	34729	26910	410	68	127			
2	657	695	34634	27158	223	35	196			
1	853	575	34626	27310	199	31	207			
1	1037	486	34616	27408	214	32	208			
1	1225	434	34629	27477	222	33	207			
1	1417	371	34654	27562	246	36	208			
1	1888	270	34718	27709	298	42	199			
1	2347	214	34734	27769	333	47	191			
1	2804	174	34729	27796	366	51	192			
1	3264	148	34729	27816	393	54	184			
1	3730	125	34728	27831	412	56	182			
1	4202	118	34745	27850	433	59	181			
1	4688	116	34715	27827	439	60	175			
1	5183	120	34713	27822	445	61	175			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	339	60	9	22	115 G	1529 S	11053 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
5852	52	222	233	17	6	16	7	0	2	17	2	19	2	133	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2562	34230	22592	475	108	17	06		
2	25	2561	34222	22589	468	106	18	05		
2	49	2562	34227	22589	459	104	19	05		
2	74	2460	34291	22948	336	75	52	05		
2	98	2294	34293	23436	304	66	68	03		
2	122	2161	34344	23848	292	62	76			
2	146	2117	34827	24336	333	70	59	03		
2	194	1794	34918	25242	292	58	76			
2	241	1555	34837	25742	300	57	86			
2	288	1324	35001	26350	320	56	95			
2	382	1112	34945	26730	368	64	114			
2	475	905	34741	26927	428	71	100			
2	661	696	34652	27171	191	30	185			
1	844	591	34637	27298	198	31	200			
1	1036	511	34633	27393	202	31	198			
1	1225	436	34648	27490	226	34	200			
1	1413	369	34675	27581	247	36	204			
1	1883	267	34729	27720	294	42	196			
1	2350	208	34746	27783	342	48	187			
1	2817	164	34738	27811	374	52	184			
1	3285	141	34736	27826	402	55	174			
1	3752	123	34726	27831	414	57	172			
1	4220	119	34725	27833	434	59	177			
1	4688	114	34727	27838	445	61	172			
1	5154	119	34725	27833	455	62	166			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	341	60	9	22	949 K	1621 S	11127 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4938	42	194	244	17	9	16	8	6	3	17	2	19	2	157	00	00

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	$\%$ O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2544	34301	22701	480	109	14	05		
2	25	2538	34293	22713	479	108	13	07		
2	50	2458	34575	23168	447	100	15	04		4
2	75	2416	34641	23343	472	105	10	03		
2	100	2411	34734	23428	479	107	11	05		
2	123	2372	34969	23721	413	91	29			
2	149	2275	34982	24012	367	80	41	03		
2	195	1999	34951	24746	311	64	67			
2	241	1707	35194	25664	336	66	75			
2	287	1444	35208	26270	363	65	81			
2	381	1162	35052	26720	454	80	76			
2	476	917	34755	26919	507	85	97			
2	667	681	34630	27174	234	37	179			
1	845	590	34631	27295	193	30	193			
1	1025	507	34633	27398	205	31	194			
1	1209	441	34643	27480	220	33	199			
1	1392	379	34669	27566	249	36	194			
1	1850	260	34720	27719	308	44	187			
1	2316	209	34734	27773	336	47	183			
1	2783	170	34730	27800	362	50	181			
1	3254	142	34722	27814	395	54	172			
1	3730	121	34723	27838	416	55	171			
1	4206	117	34730	27838	429	59	170			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	343	60	9	22	2100 H	1733 S	112 2 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
4755	42	211	222	18	7	16	7	4	6	18	2			1491	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2429	34683	23336	495	110	12	03		
2	25	2425	34667	23336	486	108	8	03		
2	50	2392	34829	23556	471	105	10	03		
2	75	2297	35076	24020	439	96	21	03		
2	100	2291	35142	24087	481	105	19	03		
2	124	2258	35147	24185	458	100	19			
2	148	2127	35003	24442	347	74	50	03		
2	195	1935	35292	25173	372	76	57			
2	240	1752	35422	25730	386	77	56			
2	284	1625	35380	26000	468	91	40			2
2	376	1168	35029	26691	453	80	84			
2	472	931	34708	26859	556	93	85			
1	670	665	34570	27149	284	45	181			
1	852	567	34603	27302	215	33	202			
1	1035	500	34598	27378	217	33	209			
1	1216	432	34645	27492	240	36	212			
1	1400	374	34661	27565	272	40	204			
1	1860	257	34722	27723	327	46	198			
1	2324	207	34738	27778	336	47	190			
1	2795	173	34739	27805	352	49	176			
1	3269	144	34729	27818	402	55	178			
1	3742	120	34722	27830	428	59	169			2
1	4214	116	34720	27831	434	59	170			2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	345	60	9	23	615 H	1900 S	11246 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
2106	18	197	208	18	6	16	7	0	4	18	2	19	2	178	00	00

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
2		2280	35153	24127	508	111	15	04		
2	24	2273	35157	24150	502	109	12	03		
2	48	2276	35155	24140	495	108	12	05		
2	72	2275	35157	24144	493	107	10	04		
2	96	2264	35154	24173	478	104	20	03		
2	119	2244	35139	24219	467	101	20			
2	142	2216	35154	24309	414	89	18	01		
2	188	2096	35301	24753	399	84	32			
2	234	1921	35447	25327	475	97	45			
2	280	1727	35645	25962	508	101	34			
2	373	1300	35245	26601	513	93	80			
2	446	1046	34871	26791	552	95	50			
1	623	754	34524	26988	468	75	130			
1	801	581	34557	27248	250	38	98			
1	980	507	34587	27361	229	35	208			
1	1157	441	34641	27479	232	35	200			
1	1335	379	34622	27529	263	39	205			
1	1780	256	34680	27691	310	44	202			

2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	346	60	9	23	1300 H	1959 S	11315 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1006	08	206	222	19	7	16	9	4	5	19	2	20	2	177	00	00

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	$\%\ O_2$ SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2304	35126	24037	508	111	17	03		
1	23	2294	35130	24069	508	111	10	04		
1	45	2284	35141	24106	493	108	13	03		
1	67	2251	35171	24223	486	106	13	03		
1	88	2191	35264	24463	493	106	14	04		
1	108	2133	35337	24679	461	102	22			
1	128	2046	35282	24873	380	80	50	04		
1	169	1951	35444	25247	405	84	43			
1	212	1790	35602	25775	445	89	38			
1	255	1624	35557	26138	481	93	42			
1	345	1144	35043	26747	548	96	62			
1	434	855	34720	26990	534	88	102			
1	614	604	34564	27224	298	46	179			
1	799	534	34632	27365	218	33	209			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	348	60	9	23	1900 H	2044 S	11333 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
1189	08	206	217	19	10	16	8	0	2	19	3	20	2	1588	00	99

CAST	DEPTH	TEMP.	s‰	σ_t	O_2	% O_2 SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2327	34967	23851	495	109	10	03		
1	28	2322	34999	23889	499	110	9	03		
1	80	2294	35124	24065	471	103	16	02		
1	75	2201	35151	24349	405	87	32	03		
1	100	2159	35322	24596	481	103	22	03		
1	123	2105	35311	24736	420	89	19			
1	146	1990	35328	25057	408	85	36	03		
1	190	1795	35512	25694	414	83	41			
1	233	1600	35515	26161	444	86	47			
1	277	1343	35224	26490	430	79	76			
1	365	1055	34909	26804	466	80	97			
1	452	918	34729	26897	501	84	102			1
1	627	668	34583	27155	333	52	168			
1	802	578	34611	27294	240	37	195			

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	349	60	9	24	120 H	2140 S	114 E

SONIC DEPTH	MAX. SAMP. DEPTH	AIR TEMP. WET	AIR TEMP. DRY	WIND DIR.	WIND SPEED	ANEM. HEIGHT	CLOUD TYPE	CLOUD AMT.	VIS.	SEA DIR.	SEA AMT.	SWELL DIR.	SWELL AMT.	ATMOS. PRESSURE	WIRE ANGLES CAST 1	WIRE ANGLES CAST 2
183	01	189	206	19	10	16	8	0		19	3	21	2	157	00	99

CAST	DEPTH	TEMP.	S‰	σ_t	O_2	O_2 % SAT.	INORG. P	PARTIC. P		DOUBTFUL
1		2230	35195	24301	520	113	17			
1	23	2230	35203	24307	513	111	14			
1	46	2199	35259	24437	510	110	14			
1	70	2180	35278	24504	508	109	16			
1	93	2165	35301	24563	510	109	17			
1	116	2161	35289	24565	499	107	21			
1	142	2142	35333	24651	481	103	23			

DATA

PART 2

HYDROLOGY

SURFACE SAMPLING

EXPLANATION OF HEADINGS

Part 2 Hydrology - Surface Sampling

STATION	Stations are numbered consecutively for each ship for each year.
DATE	Given as year, month, day.
TIME	Given in Zone Time (Table 2).
LATITUDE LONGITUDE	The position of each station is given in degrees and minutes.
TEMP.	Sea temperatures are recorded in degrees centigrade, to 2 decimal places.
S‰	Salinities are recorded in parts per thousand, to 3 decimal places.

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE	TEMP.	S ‰
115	60	7	12	715G	3159S	11154E	1740	3586
116	60	7	12	1600H	3159S	11650E	1610	3577
117	60	7	12	1900G	3201S	10957E	1624	3581
118	60	7	12	2400G	3159S	10947E	1690	3590
119	60	7	13	400G	3159S	10841E	1610	3582
120	60	7	13	815G	3200S	10734E	1550	3575
121	60	7	13	1600G	3156S	10638E		
122	60	7	13	2000G	3155S	10547E	1650	3589
123	60	7	13	2400G	3157S	10501E	1640	3592
124	60	7	14	400G	3158S	10415E		
125	60	7	14	700G	3159S	10329E	1647	3586
126	60	7	14	1605G	3142S	10212E	1600	3585
127	60	7	14	2000G	3129S	10110E	1580	3579
128	60	7	14	2400G	3119S	10017E	1700	3594
129	60	7	15	260G	3112S	9915E	1715	3593
130	60	7	15	800G	3059S	9841E	1660	3591
131	60	7	15	1230F	3040S	9730E	1807	3590
132	60	7	15	1600F	3037S	9718E		
133	60	7	16	2000F	2940S	9447E	1765	3599
134	60	7	18	15F	2845S	9453E	1795	3592
135	60	7	18	400F	2758S	9457E	1870	3591
136	60	7	18	700F	2723S	9501E	1907	3584
137	60	7	18	1200F	2638S	9501E	1910	3587
138	60	7	18	1605F	2554S	9501E	2010	3565
139	60	7	18	2000F	2534S	9512E	2037	3564
140	60	7	19	400F	2422S	9502E	1990	3568
141	60	7	19	800F	2312S	9503E		
142	60	7	19	1200F	2223S	9500E	2055	3555
143	60	7	20	F	1940S	9437E	2242	3504
144	60	7	22	F	1819S	9442E	2120	3526
145	60	7	22	500F	1726S	9452E	2330	3462
146	60	7	22	1200F	1657S	9503E	2440	3592
147	60	7	22	1600F	1609S	9505E	2520	3421
148	60	7	22	2130F	1502S	9504E	2549	3429
149	60	7	23	400F	1414S	9504E	2520	3414
150	60	7	23	800F	1340S	9502E		
151	60	7	23	1330F	1241S	9504E	2610	3428
152	60	7	23	2000F	1201S	9502E		
153	60	7	23	2400F	1115S	9502E		
154	60	7	24	2400F	1028S	9502E	2680	3457
155	60	7	24	615F	1000S	9500E	2769	3454
156	60	7	24	2400F	937S	9610E		
157	60	7	25	400F	923S	9700E		
158	60	7	25	800G	905S	9750E	2820	3401

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE	TEMP.	S‰
159	60	7	26	300G	755S	10100E	2620	3424
160	60	7	26	400G	742S	10448E		
161	60	7	26	800G	714S	10251E		
162	60	7	26	1800G	708S	10348E	2880	3412
163	60	7	26	2000G	703S	10310E	2800	3405
164	60	7	26	2400G	636S	10350E	2880	3366
165	60	7	27	815G	610S	10533E	2830	3355
166	60	7	27	1130G	535S	10607E	2920	
167	60	7	27	1550G	450S	10640E	2880	
168	60	7	27	1850G	450S	10640E	2860	
169	60	7	27	2330G	505S	10630E	2820	
170	60	7	28	855G	108S	10705E	2860	
171	60	7	28	1145G	40S	10645E	2880	
172	60	7	28	1810G	18N	10552E	2880	
173	60	7	28	2345G	103N	10506E	2850	3355
174	60	8	6	545F	200N	9412E	2888	3408
175	60	8	7	F	56N	9443E	2890	3420
176	60	8	7	400F	15N	9500E	2850	3434
177	60	8	7	545F	4S	9507E	2871	3430
178	60	8	7	2030F	12S	9505E		
179	60	8	7	2400F	112S	9504E	2880	3431
180	60	8	8	400F	147S	9502E	2880	3436
181	60	8	8	800F	228S	9501E	2880	3456
182	60	8	8	1205F	230S	9500E	2868	3455
183	60	8	8	2030F	242S	9500E		
184	60	8	9	F	337S	9500E	2840	3465
185	60	8	9	400F	432S	9500E	2820	3442
186	60	8	9	1200F	500S	9440E	2852	3435
187	60	8	10	F	512S	9536E	2830	3447
188	60	8	10	400F	525S	9630E	2840	3449
189	60	8	10	800F	536S	9725E	2860	3436
190	60	8	10	1200G	548S	9819E	2830	3421
191	60	8	10	1600G	552S	9908E	2800	3429
192	60	8	10	2000G	551S	9953E	2820	3429
193	60	8	10	2400G	549S	10035E	2820	3409
194	60	8	14	1400G	542S	10623E	2865	3279
195	60	8	15	300G	657S	10433E	2856	3291
196	60	8	15	800G	718S	10453E	2850	3295
197	60	8	15	1200G	735S	10539E	2774	3409
198	60	8	15	1600G	741S	10607E	2800	3400
199	60	8	15	2000G	801S	10702E	2700	3417
200	60	8	15	2300G	814S	10743E	2656	3419
201	60	8	16	400G	827S	10807E	2650	3421
202	60	8	16	800G	837S	10842E	2640	3421
203	60	8	16	1200G	845S	10922E	2657	3415
204	60	8	16	1600G	853S	10959E	2650	3416

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE	TEMP.	S‰
205	60	8	16	2000G	901S	11040E	2620	3416
206	60	8	17	G	910S	11126E	2615	3416
207	60	8	17	400G	920S	11212E	2560	3425
208	60	8	17	830H	935S	11309E	2603	3419
209	60	8	17	1600H	933S	11359E	2610	3425
210	60	8	17	2000H	930S	11449E	2480	3397
211	60	8	17	2245H	930S	11521E	2695	3411
212	60	8	18	400H	922S	11524E	2560	3422
213	60	8	18	800H	851S	11541E	2725	3402
214	60	8	18	1200H	800S	11600E	2730	3362
215	60	8	18	1600H	800S	11616E	2880	3407
216	60	8	18	2015H	804S	11716E	2710	3414
217	60	8	19	1H	800S	11808E	2620	3406
218	60	8	19	400H	800S	11900E	2710	3400
219	60	8	19	830H	800S	11937E	2716	3402
220	60	8	19	1600H	900S	11927E	2520	3398
221	60	8	19	1645H	901S	11946E	2604	3397
222	60	8	19	2000H	903S	11951E	2540	3398
223	60	8	20	30H	908S	12037E	2530	3407
224	60	8	20	400H	910S	12119E	2520	3409
225	60	8	20	1100H	914S	12225E	2604	3409
226	60	8	20	2000H	901S	12307E	2580	3423
227	60	8	21	H	845S	12415E	2585	3423
228	60	8	21	400H	831S	12505E	2660	3437
229	60	8	21	800H	820S	12550E	2640	3426
230	60	8	21	2000H	816S	12620E	2630	3420
231	60	8	21	2359H	813S	12711E	2620	3427
232	60	8	22	400I	801S	12755E	2600	3422
233	60	8	22	1600I	746S	12844E	2623	3417
234	60	8	22	1600I	819S	12914E	2660	3386
235	60	8	22	2030I	851S	12947E	2604	3415
236	60	8	23	1I	858S	13002E	2660	3386
237	60	8	23	400I	920S	13045E	2580	3420
238	60	8	23	800I	941S	13123E	2560	3427
239	60	8	23	1200I	1003S	13156E	2575	3422
240	60	8	23	1600I	1008S	13241E	2600	3414
241	60	8	23	2000I	1009S	13327E	2540	3425
242	60	8	24	1I	1005S	13406E	2543	3428
243	60	8	24	400I	1000S	13442E	2520	3436
244	60	8	24	800I	1000S	13526E	2480	3458
245	60	8	24	1200I	1000S	13600E	2500	3440
246	60	8	24	1600I	1001S	13641E	2530	3433
247	60	8	24	2000I	1003S	13723E	2530	3438
248	60	8	25	1I	1003S	13805E	2555	3460
249	60	8	25	400I	1002S	13842E	2550	3497
250	60	8	25	800I	1003S	13920E	2520	3535

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE	TEMP.	S ‰
251	60	8	25	1600I	1007S	14000E	2510	3557
252	60	8	25	2000I	1047S	14045E		
253	60	8	31	5K	903S	14446E	2522	3477
254	60	9	1	630I	1208S	13946E	2562	3503
255	60	9	1	1545I	1310S	13858E	2546	3518
256	60	9	2	300I	1130S	13800E	2543	3442
257	60	9	3	1I	800S	13600E	2547	3432
258	60	9	3	1000I	800S	13400E	2566	3416
259	60	9	3	1600I	754S	13242E	2610	3414
260	60	9	3	2000I	805S	13148E	2571	3418
261	60	9	4	1I	820S	13125E	2595	3418
262	60	9	4	400I	839S	13044E	2560	3423
263	60	9	4	800I	851S	12952E	2600	3418
264	60	9	4	900I	853S	12940E	2610	3417
265	60	9	4	1600I	842S	12840E	2670	3416
266	60	9	4	2000I	831S	12749E	2640	3418
267	60	9	4	2200H	832S	12728E	2633	3425
268	60	9	5	300I	901S	12748E	2624	3415
269	60	9	5	860I	936S	12807E	2638	3414
270	60	9	5	1200I	941S	12815E	2660	3416
271	60	9	5	1400I	1003S	12824E	2663	3419
272	60	9	5	1615I	1025S	12835E	2680	3443
273	60	9	5	1740I	1035S	12843E	2694	3441
274	60	9	5	1810I	1038S	12844E	2670	3460
275	60	9	5	2130I	1108S	12902E	2678	3457
276	60	9	6	140I	1138S	12920E	2692	3474
277	60	9	12	1I	1242S	12728E	2715	3474
278	60	9	12	400H	1251S	12636E	2660	3460
279	60	9	12	510H	1302S	12554E	2730	3461
280	60	9	12	1200H	1328S	12507E	2765	3479
281	60	9	12	1437H	1344S	12440E	2772	3498
282	60	9	12	1830H	1321S	12426E	2763	3479
283	60	9	12	2120H	1250S	12414E	2853	3467
284	60	9	13	1H	1218S	12403E	2682	3431
285	60	9	13	320H	1154S	12347E	2683	3448
286	60	9	13	800H	1108S	12324E	2708	3427
287	60	9	13	1200H	1111S	12310E	2740	3463
288	60	9	13	1600H	1114S	12218E	2725	3499
289	60	9	13	2000H	1114S	12115E	2660	3427
290	60	9	14	H	1117S	12022E	2660	3425
291	60	9	14	400H	1118S	11932E	2630	3431
292	60	9	14	800H	1119S	11840E	2651	3426
293	60	9	14	1600H	1202S	11904E	2700	3454
294	60	9	14	2000H	1241S	11918E		
295	60	9	14	2140H	1301S	11927E	2659	3427
296	60	9	15	400H	1325S	11940E	2650	3436

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE	TEMP.	S‰
297	60	9	15	600H	13328	11950E	2623	3458
298	60	9	15	1200H	14268	12015E	2640	3467
299	60	9	15	1420H	14498	12024E	2658	3415
300	60	9	15	2000H	15228	12040E	2600	3474
301	60	9	15	2150H	15408	12051E	2593	3461
302	60	9	16	1H	15568	12059E	2570	3481
303	60	9	16	105H	16078	12105E	2553	3477
304	60	9	16	H	16358	12119E	2522	3476
305	60	9	16	700H	17008	12133E	2508	3481
306	60	9	16	915H	17259	12142E	2506	3496
307	60	9	16	1230H	17408	12123E		
308	60	9	16	1600H	18028	12046E	2570	3488
309	60	9	16	2000H	18298	11947E	2460	3499
310	60	9	17	1H	18538	11914E	2420	3514
311	60	9	17	400H	19188	11829E	2385	3514
312	60	9	17	750H	19428	11745E	2404	3503
313	60	9	17	1050H	19168	11729E	2417	3505
314	60	9	17	1400H	18508	11719E		
315	60	9	17	1740H	18208	11705E	2506	3481
316	60	9	17	2000H	18028	11658E	2540	3478
317	60	9	18	2H	17268	11641E	2589	3449
318	60	9	18	400H	16498	11625E	2580	3458
319	60	9	18	630H	16268	11615E	2574	3457
320	60	9	18	1200H	16138	11610E	2580	3465
321	60	9	18	1530H	15358	11556E	2588	3440
322	60	9	18	2000H	15278	11547E	2610	3460
323	60	9	18	2330H	14458	11522E	2567	3440
324	60	9	19	400H	14478	11510E	2575	3447
325	60	9	19	800H	13438	11449E	2594	3435
326	60	9	19	1600H	12548	11429E	2530	3445
327	60	9	19	1855H	12248	11418E	2676	3432
328	60	9	20	1H	11518	11402E	2630	3470
329	60	9	20	500H	10538	11332E	2641	3438
330	60	9	20	1200H	11028	11237E	2660	3442
331	60	9	20	1600G	11228	11154E	2630	3438
332	60	9	20	2000G	11498	11059E	2630	3433
333	60	9	21	1G	12148	11008E	2670	3418
334	60	9	21	430G	12438	10908E	2588	3431
335	60	9	21	1200G	13038	10948E	2580	3433
336	60	9	21	1515G	14038	11018E	2646	3425
337	60	9	21	2010G	14268	11026E	2630	3427
338	60	9	22	1G	15078	11047E	2565	3422
339	60	9	22	115G	15298	11053E	2562	3423
340	60	9	22	800G	16048	11118E	2510	3438
341	60	9	22	1000G	16218	11127E	2544	3430
342	60	9	22	1600G	16508	11141E	2410	3488

STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE	TEMP.	S‰
343	60	9	22	2000G	1733S	11202E	2429	3468
344	60	9	23	400H	1835S	11233E	2310	3490
345	60	9	23	615H	1900S	11246E	2280	3515
346	60	9	23	1300H	1959S	11315E	2304	3512
347	60	9	23	1600H	2010S	11319E	2320	3510
348	60	9	23	1900H	2044S	11333E	2327	3496
349	60	9	24	115H	2140S	11400E	2230	3519

DATA

PART 3

PRIMARY PRODUCTION

(a) Stations sampled to 150 m pp. 120-196.

(b) Stations at which surface samples taken pp. 197-205.

EXPLANATION OF HEADINGS

Part 3 Primary Production

(a) Stations sampled to 150 m

SHIP	The figures 11 are used to designate *Diamantina*.
CRUISE	Cruise numbers are allotted each year, beginning with 1 for the first cruise.
STATION	Stations are numbered consecutively for each ship for each year.
TIME	Given in Zone Time (Table 2).
LATITUDE LONGITUDE	The position of each station is given in degrees and minutes.
SONIC DEPTH	Given in m, measured at standard sound velocity of 800 fm (1463 m) per second.
MAX. SAMP. DEPTH	Depth of deepest observation to nearest 10 m is recorded in units of 10 m.
DIST. FROM COAST	Distance of nearest land in miles.
METHOD OF INCUBATION	The numbers indicate the method of incubation as follows: 0 = Fluorescent light bath. 1 = *In situ* incubation from sunrise to sunset. 1A = *In situ* incubation from sunrise to noon. 1J = *In situ* incubation from noon to sunset. 2 = Simulated *in situ* incubation.
STOCK NUMBER	Number of ^{14}C stock used.
STOCK ACTIVITY	The activity of ^{14}C stock used is recorded in millions of counts/min. i.e. 9.11×10^6 counts/min.

BACKGROUND	Background count is recorded in counts/min.
DEPTH	Actual sampling depth given in metres, a blank indicates 0 m.
LIGHT COUNT	The counts/min. of the filter from the clear bottle.
DARK COUNT	The counts/min. of the filter from the dark bottle.
NET COUNT	The difference between light and dark count.
INCUBATION PERIOD	For incubation method 0, the period is expressed in hours to 2 decimal places. For incubation methods 1 and 2, the period is expressed as part of daylight period, i.e. 01.00 or 00.50.
RATE OF PRODUCTION A B	A is given in $mgC/hr/m^3$ to 2 decimal places for incubation method 0 and in $mgC/day/m^3$ for methods 1 and 2. B is given in $gC/day/m^2$ to 2 decimal places for the layer from the surface to the depth indicated. For incubation method 0, a day has been taken to be equal to 10 hours.

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	115	60	7	12	1015 G	3159 S	11154 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5000	15	205	0	8	9260	10

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	552	8	544	0400	37	
25	676	5	671	0400	45	10
50	609	5	604	0400	41	21
75	586	4	582	0400	39	31
100	173	18	155	0400	10	37
150	93	3	90	0400	6	41

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	117	60	7	12	2000 G	3201 S	10957 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4500	15	320	0	8	9260	10

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	166	11	155	0400	10	
25	266	4	262	0400	18	4
50	155	26	129	0400	9	7
75	233	14	119	0400	8	9
100	258	48	210	0400	14	12
150	43	5	38	0400	3	16

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	120	60	7	13	0830 G	3200 S	10734 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5000	15	255	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1063	8	1055	0400	71	
25	540	5	535	0400	36	13
50	356	25	331	0400	22	21
75	489	8	481	0400	32	28
100	491	20	471	0400	32	36
150	543	4	539	0400	36	53

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	125	60	7	14	0815 G	3159 S	10329 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5358	15	670	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	383	6	377	0400	25	
25	495	5	490	0400	33	7
50	392	16	376	0400	25	15
75	268	5	263	0400	18	20
100	315	7	308	0400	21	25
150	156	12	144	0400	10	32

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	129	60	7	15	0230 G	3112 S	09915 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
2300	15	900	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	188	10	178	0400	12	
25	340	7	333	0400	22	4
50	191	8	183	0400	12	9
75	282	7	275	0400	19	12
100	336	5	331	0400	22	18
150	12	7	5	0400		23

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	131	60	7	15	1345 F	3014 S	09730 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	15	990	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	198	6	192	0400	13	
25	350	20	330	0400	22	4
50	357	29	328	0400	22	10
75	331	9	322	0400	22	15
100	142	5	137	0400	9	19
150	7	3	4	0400		22

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	0700 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	15	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	207	9	198	0375	14	
25	189	6	183	0375	13	3
50	656	2	654	0375	47	11
75	211	2	209	0375	15	19
100	29	34	5	0375		21
150	272	17	255	0375	18	25

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	0910 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	243	9	234	0433	15	
25	299	4	295	0433	18	4
50	393	1	392	0433	24	9
100	533	3	530	0433	33	24

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	1500 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	232	4	228	0400	15	
25	224	8	216	0400	15	4
50	288	7	281	0400	19	9
100	343	7	336	0400	23	18

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	1800 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	171	10	161	0400	11	
25	200	7	193	0400	13	3
50	233	6	227	0400	15	7
100	259	3	256	0400	17	15

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	2100 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	165	14	151	0400	10	
25	181	14	167	0400	11	3
50	221	15	206	0400	14	6
100	272	5	267	0400	18	14

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	0030 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	206	6	200	0400	14	
25	197	9	188	0400	13	3
50	237	5	232	0400	16	7
100	273	6	267	0400	18	15

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	0310 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	208	7	201	0483	11	
25	280	9	271	0483	15	3
50	329	10	319	0483	18	7
100	287	4	283	0483	16	16

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	0600 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	15	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	246	6	240	0400	16	
25	335	7	328	0400	22	5
50	289	7	282	0400	19	10
75	422	3	419	0400	28	16
100	405	4	401	0400	27	23
150	194	6	188	0400	13	33

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	0900 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	294	7	287	0400	19	
25	237	4	233	0400	16	4
50	359	7	352	0400	24	9
100	375		375	0400	25	22

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	1300 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	191	7	184	0400	12	
25	225	7	218	0400	15	3
50	307	11	296	0400	20	8
100	369	5	364	0400	25	19

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	1500 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	77	7	70	0400	5	
25	111	11	100	0400	7	1
50	218	13	205	0400	14	4
100	322	15	307	0400	21	13

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	1830 F	2940 S	09947 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	10	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	139	5	134	0400	9	
25	53	7	48	0400	3	2
50	100	8	92	0400	6	3
100	248	8	240	0400	16	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	0615 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	15	999	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	170	2	168	0050	79	
25	256	7	249	0050	118	3
50	171	4	167	0050	79	5
75	98	5	93	0050	44	7
100	29	4	25	0050	19	7
150	11	2	9	0050	4	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	0600 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	15	999	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	218	2	216	0050	102	
25	282	2	280	0050	132	3
50	210	3	207	0050	98	6
75	89	3	86	0050	41	8
100	26	4	22	0050	10	8
150	12	7	5	0050	2	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	1250 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	15	999	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	98	4	94	0050	44	
25	45	5	40	0050	19	1
50	99	19	80	0050	38	2
75	96	6	90	0050	43	3
100	35	3	32	0050	15	3
150	10		10	0050	5	4

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	0600 F	2940 S	09447 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3072	15	999	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	56	15	41	0100	10	
25	446	7	439	0100	104	1
50	440	20	420	0100	99	4
75	125	10	115	0100	27	6
100	228	12	216	0100	51	7
150	22	4	18	0100	4	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	136	60	7	18	815 F	2723 S	09501 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4023	15	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	129	8	121	0425	8	
25	156	6	150	0425	10	2
50	110	10	100	0425	6	4
75	362	10	352	0425	22	8
100	298	3	295	0425	19	13
150	59	3	56	0425	4	18

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	139	60	9	18	2030 F	2534 S	09512 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5395	15	999	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	60	21	39	0200	5	
25	56	24	32	0200	4	1
50	82	11	71	0200	10	3
75	44	15	29	0200	4	5
100	106	11	95	0200	13	7
150	92	3	89	0200	12	13

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	142	60	7	19	1330 F	2223 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5000	15	900	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	102	10	92	0400	6	
25	199	14	185	0400	13	2
50	105	15	90	0400	6	5
75	243	19	24	0400	15	7
100	271	6	265	0400	18	11
150	16	4	12	0400	1	16

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	0610 F	1947 S	09456 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4755	15	880	0	8	9260	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	123	14	109	0400	7	
25	161	15	146	0400	10	2
50	215	20	195	0400	13	5
75	162	21	141	0400	10	8
100	234	64	170	0400	12	10
150	7		7	0400	1	13

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	0900 F	1947 S	09456 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4755	10	880	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	122	9	113	0400	8	
25	266	14	252	0400	17	3
50	315	12	303	0400	20	8
100	185	11	174	0400	12	16

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	1210 F	1940 S	09437 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4755	10	880	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	241	11	230	0400	16	
25	127	13	114	0400	8	3
50	98	16	82	0400	6	5
100	108	4	104	0400	7	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	1500 F	1940 S	09437 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5390	10	880	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	193	7	186	0400	12	
25	179	9	170	0400	12	3
50	126	10	116	0400	8	5
100	60	11	49	0400	3	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	1800 F	1941 S	09435 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5390	10	880	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	149	9	140	0400	9	
25	115	21	94	0400	6	2
50	91	19	72	0400	5	3
100	108	9	99	0400	7	6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	0600 F	1925 S	09428 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5300	15	880	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
50	204	14	190	0450	11	
75	266	8	258	0450	16	
100	62	8	54	0450	3	
150	23	28	5	0450		

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	0900 F	1925 S	09428 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5300	10	880	0	8	9260	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	261	11	250	0400	17	
25	164	12	152	0400	10	3
50	231	11	220	0400	15	7
100	165	2	163	0400	11	13

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	1300 F	1925 S	09428 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5300	10	880	0	8	9260	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	146	13	133	0450	8	
25	165	8	157	0450	9	2
50	297	9	288	0450	17	6
100	288	10	278	0450	17	14

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	1525 F	1924 S	09420 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5670	10	880	0	8	9260	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	251	13	238	0450	14	
25	263	16	247	0450	14	4
50	231	12	219	0450	13	7
100	173	10	163	0450	10	13

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	1815 F	1924 S	09420 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5670	10	880	0	8	9260	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	62	21	41	0400	3	
25	42	20	22	0400	2	1
50	128	21	107	0400	7	2
100	128	19	109	0400	7	5

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	0600 F	1947 S	09456 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4755	15	880	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	88	23	65	0100	15	
25	289	12	277	0100	65	1
50	6	4	2	0100	1	2
75	314	5	309	0100	73	3
100	194	8	186	0100	44	4
150	139	17	122	0100	29	6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	0600 F	1925 S	09428 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5300	15	880	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	133	18	115	0050	54	
25	17	11	6	0050	3	1
50	130	3	127	0050	60	1
75	93	87	6	0050	3	2
100	183	13	170	0050	80	3
150	88	24	64	0050	30	6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	1200 F	1925 S	09428 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5300	15	880	1	7	10390	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	96	11	85	0050	40	
25	98	9	89	0050	42	1
50	150	9	141	0050	67	2
75	43	8	35	0050	17	3
100	97	13	84	0050	40	4
150	5	17	12	0050		5

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	0600 F	1925 S	09428 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5300	15	880	1	7	10390	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	138	29	109	0100	26	
25	97	15	82	0100	19	1
50	355	6	349	0100	82	2
75	111	14	97	0100	23	3
100	28	9	19	0100	5	3
150	19	5	14	0100	3	4

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	145	60	7	22	0815 F	1726 S	09453 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5300	15	770	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	151	7	144	0400	10	
25	147	5	142	0400	10	3
50	329	6	323	0400	22	7
75	135	15	120	0400	8	10
100	501	16	485	0400	33	14
150	31	13	18	0400	1	24

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	148	60	7	22	2130 F	1502 S	09504 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4975	15	700	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	109	13	96	0400	7	
25	106	13	93	0400	6	2
50	120	24	96	0400	7	3
75	164	17	147	0400	10	5
100	73	2	71	0400	5	7
150	9	42	33	0400		8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	151	60	7	23	1415 F	1241 S	09504 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4500	15	680	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	519	74	545	0400	37	
25	583	44	539	0400	36	9
50	428	24	404	0400	27	17
75	230	23	207	0400	14	22
100	72	75	3	0400		24
150	5	10	5	0400		24

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	0700 F	1000 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5303	15	530	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	206	7	199	0400	13	
25	398	22	376	0400	25	5
50	370	19	351	0400	24	11
75	193	20	173	0400	12	15
100	34	11	23	0400	2	17
150	7		7	0400	1	18

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	0910 F	1000 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5303	10	530	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	408	23	385	0400	26	
25	351	10	341	0400	23	6
50	985	19	966	0400	65	17
100	38	10	28	0400	2	34

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	1215 F	1000 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5303	10	530	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	207	19	192	0400	13	
25	42	22	20	0400	1	2
50	17	18		400		2
100	132	6	126	0400	9	4

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	1530 F	1000 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5303	10	530	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	439	26	413	0500	22	
25	277	17	260	0500	14	5
50	1552	31	1521	0500	82	17
100	21	18	3	0500		37

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	1750 F	1000 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5303	10	530	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	185	23	162	0400	11	
25	42	37	5	0400		1
50	810	19	791	0400	53	8
100	20	11	9	0400	1	22

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	0600 F	1000 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5303	15	530	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
25	527	50	477	0050	225	
50	607	30	577	0050	273	
75	340	13	327	0050	155	
100	40	15	25	0050	12	
150	9	17	6	0050		

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	1240 F	1000 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5303	10	530	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	233	3	230	0050	109	
25	438	11	427	0050	202	4
50	451	11	440	0050	208	9
75	167	7	160	0050	76	13
100	12	2	10	0050	5	14
150	27	6	21	0050	10	14

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	0600 F	1000 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5303	15	530	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	408	267	141	0100	33	
25	478	104	374	0100	88	2
50	514	100	414	0100	98	4
75	86	15	71	0100	17	5
100	29	4	25	0100	6	6
150	11	1	1	0100		6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	0630 F	0200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	100	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	475	22	453	0350	35	
25	386	36	350	0350	27	8
50	319	16	303	0350	23	14
75	150	10	140	0350	11	18
100	70	31	39	0350	3	20
150	61	20	41	0350	3	22

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	0915 F	0200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	100	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	344	7	337	0400	23	
25	340	11	329	0400	22	6
50	303	19	284	0400	19	11
100	525	8	517	0400	35	24

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	1300 F	0200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	100	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	480	13	467	0400	32	
25	231	14	217	0400	15	6
50	733	14	719	0400	49	14
100	247	13	234	0400	16	30

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	1800 F	0200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	100	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	269	21	248	0400	17	
25	502	34	468	0400	32	6
50	284	20	264	0400	18	12
100	178	31	147	0400	10	19

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	0600 F	0200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	100	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	272	17	255	0050	121	
25	144	21	123	0050	58	2
50	166	16	150	0050	71	4
75	119	9	110	0050	52	5
100	21	4	17	0050	8	6
150	11	6	5	0050	2	6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	1130 F	0200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	100	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	340	13	327	0050	155	
30	646	26	620	0050	293	7
40	160	10	150	0050	71	9
60	185	10	175	0050	83	10
80	17	6	11	0050	5	11
95	58	10	48	0050	23	11

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	0600 F	0200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	100	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	237	20	217	0100	51	
25	636	20	616	0100	146	2
50	403	21	383	0100	91	5
75	167	14	153	0100	36	7
100	54	17	37	0100	9	8
150	7	25	18	0100		8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	1130 F	0200 N	09412 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	100	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	99		99	0050	49	
30	185		185	0050	87	2
40	520		520	0050	246	4
60	653		653	0050	309	9
80	317		317	0050	150	14
95	95		95	0050	45	15

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	0600 F	0004 S	09507 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	150	0	8	9260	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	163	18	145	0400	10	
25	354	18	336	0400	23	4
50	178	25	153	0400	10	8
75	507	20	487	0400	33	14
100	619	2	617	0400	42	23
150	7		7	0400	1.	33

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	0850 F	0004 S	09507 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	150	0	8	9260	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	171	65	106	0425	7	
25	306	17	299	0425	19	3
50	681	12	669	0425	14	7
100	740	13	727	0425	46	22

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	1500 F	0004 S	09507 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	150	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	139	25	114	0400	8	
25	204	18	186	0400	13	3
50	449	24	425	0400	29	8
100	1091	5	1086	0400	73	33

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	1750 F	0004 S	09507 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	150	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	198	34	164	0400	11	
25	102	31	71	0400	5	2
50	184	19	165	0400	11	4
100	1040	9	1031	0400	70	24

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	0600 F	0004 S	09507 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	150	1	7	10390	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	331	17	314	0050	148	
25	449	20	429	0050	203	4
50	177	23	94	0050	44	7
75	240	16	224	0050	106	9
100	16	14	2	0050	1	11
150	5		5	0050	2	11

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	1145 F	0004 S	09507 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	09	150	1	7	10390	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	201	11	190	0050	90	
20	340	20	320	0050	151	2
30	333	18	315	0050	149	4
50	304	24	280	0050	132	7
70	326	12	314	0050	148	10
90	142	10	132	0050	62	12

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	0600 F	0 004 S	09507 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	150	1	7	10390	011

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	109	171	62	0100		6
25	730	234	496	0100	117	1
50	117		117	0100	28	3
75	429	107	322	0100	76	5
100	181	150	31	0100	7	6
150	5	8	3	0100		6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	1145 F	0004 S	09507 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	09	150	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	338		338	0050	160	
20	476		476	0050	225	4
30	530		530	0050	250	6
50	511		511	0050	241	11
70	658		658	0050	311	17
90	275		275	0050	130	21

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	182	60	8	08	1130 F	0230 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	250	0	8	9 260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	700	24	676	0400	46	
25	948	16	932	0400	63	14
50	452	40	412	0400	28	25
75	723	7	716	0400	48	34
100	467	26	441	0400	30	44
150	10	8	2	0400		52

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	182	60	8	08	1130 F	0230 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	11	250	0	7	10 390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	642	100	542	0400	32	
30	758	79	679	0400	40	11
50	781	55	726	0400	43	19
70	836	44	792	0400	47	28
90	877	84	793	0400	47	37
105	181	75	106	0400	6	41

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	182	60	8	08	1130 F	0230 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	11	250	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	515	10	505	0050	239	
30	182	20	162	0050	77	5
50	60	88	28	0050		5
70	23	78	55	0050		5
90	29	27	2	0050	1	6
105	15	6	9	0050	4	6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	182	60	8	08	1130 F	0230 S	09500 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	11	250	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	288		288	0050	136	
30	458		458	0050	216	5
50	166		116	0050	55	8
70	180		180	0050	85	9
90	103		103	0050	48	11
105	35		35	0050	17	11

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	0600 F	0500 S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	330	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	55	18	37	0350	3	
25	233	15	218	0350	17	2
50	333	17	316	0350	24	8
75	493	10	483	0350	37	15
100	43	31	12	0350	1	20
150	6	4	2	0350		20

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	0910 F	0500 S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	330	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	354	20	334	0400	23	
25	495	14	481	0400	32	7
50	442	13	429	0400	29	15
100	29	5	24	0400	2	22

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1200 F	0500 S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	330	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	91	21	70	0400	5	
25	86	8	78	0400	5	1
50	617	6	611	0400	41	7

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1500 F	0500 S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	330	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	241	25	216	0450	13	
25	194	26	168	0450	10	3
50	532	31	502	0450	30	8
100	118	12	106	0450	6	17

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1800 F	0500S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	330	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	160	31	129	0400	9	
25	127	20	107	0400	7	2
50	194	18	176	0400	12	4
100	36	5	31	0400	2	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1145 F	0500 S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	330	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	289	21	268	0050	127	
35	382	129	253	0050	120	4
55	295	15	280	0050	132	7
70	321	6	315	0050	149	9
85	140	19	121	0050	57	10
100	11	6	5	0050	2	11

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	0600 F	0500 S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5212	15	330	1	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	105	35	70	0100	16	
25	439	21	418	0100	99	1
50	510	130	380	0100	90	4
75	152	23	129	0100	31	5
100	60	20	40	0100	9	6
150	7	9	2	0100		6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1200 F	0500 S	09440 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	10	330	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	61		61	0050	29	
35	284		284	0050	134	3
55	202		202	0050	95	5
70	205		205	0050	97	7
85	43		43	0050	20	7
100	39		39	0050	18	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	194	60	8	14	1400 G	0543 S	10623 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
	02	8	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	2009	47	1962	0400	132	
10	2663	72	2591	0400	175	15
20	3133	25	3107	0400	209	35

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	195	60	8	15	415 G	0658 S	10433 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
2195	15	65	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	469	154	315	0400	21	
25	2306	76	2230	0400	150	21
50	350	37	313	0400	21	43
75	135	16	119	0400	8	47
100	52	48	4	0400		48
150	12	7	5	0400		48

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	197	60	8	15	1245 G	0735 S	10539 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
2286	10	55	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1478	18	1460	0400	98	
15	1411	15	1396	0400	94	14
35	1182	21	1160	0400	78	32
60	2516	10	2506	0400	169	63
80	565	27	538	0400	36	83
100	105	24	81	0400	6	87

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	197	60	8	15	1245 G	0735 S	10539 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
2286	10	55	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	229		229	0050	108	
15	857		857	0050	405	4
35	398		398	0050	188	10
60	1058		1058	0050	500	18
80	141		141	0050	67	24
100	32		32	0050	15	25

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	200	60	8	15	2305 G	0814 S	10743 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3109	15	55	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1035	82	953	0400	64	
25	1122	58	1064	0400	72	17
50	2008	50	1958	0400	132	42
75	152	22	130	0400	9	60
100	32	13	19	0400	1	61
150	12	24	12	0400		62

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	203	60	8	16	1230 G	0845 S	10923 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3566	09	60	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1319	28	1291	0400	87	
35	1911	28	1883	0400	127	37
45	1450	17	1433	0400	97	49
60	2517	22	2495	0400	168	68
75	154	13	141	0400	10	82
85	179	14	165	0400	11	83

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	203	60	8	16	1200 G	0845 S	10923 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3566	09	60	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1496		1496	0500	707	
35	1051		1051	0500	497	21
45	2061		2061	0500	974	28
60	318		318	0500	150	37
75	116		116	0500	55	38
85	47		47	0500	22	39

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	208	60	8	17	1130 H	0936 S	11309 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3109	09	65	0	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1347	20	1327	0425	84	
30	893	28	865	0425	55	20
50	1150	30	1120	0425	71	33
65	16	17	1	0425		39
75	155	29	126	0425	8	39
85	73	9	64	0425	4	40

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	208	60	8	17	1130 H	0936 S	1 1309 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3109	09	65	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1353		1353	0050	639	
30	803		803	0050	379	15
50	627		627	0050	296	22
65	198		198	0050	94	25
75	104		104	0050	49	26
85	60		60	0050	28	26

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	211	60	8	18	0030 H	0831 S	11521 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1011	15	40	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	931	80	851	0400	57	
25	760	40	720	0400	49	13
50	2030	43	1987	0400	134	36
75	1701	21	1680	0400	113	67
100	53	13	40	0400	3	81
150	30	17	13	0400	1	82

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	214	60	8	18	1305 H	0800 S	11600 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1463	08	9	0	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	579	24	555	0400	33	
20	594	44	550	0400	33	7
35	3064	27	3037	0400	179	22
45	1547	13	1534	0400	91	36
60	1094	25	1069	0400	63	47
75	323	32	291	0400	17	53

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	214	60	8	18	1255 H	0800 S	11600 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1463	08	9	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	974		974	0050	460	
20	708		708	0050	334	8
35	3417		3417	0050	1614	23
45	1273		1273	0050	601	34
60	473		473	0050	223	40
75	218		218	0050	103	42

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	219	60	8	19	1145 H	0800 S	11938 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3750	07	12	0	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	628	17	611	0400	36	
20	451	23	428	0400	25	6
30	928	22	906	0400	54	10
40	1661	20	1641	0400	97	18
55	972	12	960	0400	57	29
65	232	18	214	0400	13	33

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	219	60	8	19	1145 H	0800 S	11938 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3750	07	12	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	25		25	0050	12	
20	497		497	0050	235	2
30	937		937	0050	443	6
40	635		635	0050	300	10
55	377		377	0050	178	13
65	164		164	0050	78	14

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	221	60	8	19	1740 H	0901 S	11946 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1143	15	10	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	2516	72	2444	0425	155	
25	3318	37	3281	0425	208	45
50	2665	47	2618	0425	166	92
75	1002	22	980	0425	62	121
100	2338	17	2321	0425	147	147
150	41	5	36	0425	2	184

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	225	60	8	20	1255 H	0915 S	12225 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3109	07	25	0	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	697	20	677	0500	32	
20	3335	43	3292	0500	156	19
30	4816	44	4772	0500	225	38
40	807	27	780	0500	37	51
50	537	15	522	0500	25	54
65	823	11	812	0500	38	59

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	225	60	8	20	1240 H	0915 S	12225 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3109	07	25	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1355		1355	0050	640	
20	1966		1966	0050	929	16
30	1140		1140	0050	539	23
40	338		338	0050	160	27
50	218		218	0050	103	28
65	170		170	0050	80	29

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	233	60	8	22	1200 I	0746 S	12845 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4206	08	29	0	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	687	37	650	0400	38	
20	1437	35	1402	0400	83	12
35	1625	29	1594	0400	94	25
45	1627	37	1590	0400	94	35
60	968	17	951	0400	56	46
75	416	20	396	0400	23	52

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	233	60	8	22	1150 I	0746 S	12845 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4206	08	29	3	7	10390	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1359		1359	0050	642	
20	1961		1961	0050	926	16
35	969		969	0050	458	26
45	518		518	0050	245	30
60	281		281	0050	133	32
75	60		60	0050	28	34

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	235	60	8	22	2100 I	0851 S	12947 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
2468	16	25	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	522	36	486	0400	33	
25	903	21	882	0400	59	12
50	832	21	811	0400	55	26
80	192	19	173	0400	12	36
105	55	15	40	0400	3	38
155	20	21	1	0400		38

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	239	60	8	23	1215 I	1 004 S	13157 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
79	07	60	0	8	9 260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	665	37	628	0400	42	
10	1253	42	1211	0400	82	6
20	1333	43	1290	0400	87	15
30	1633	48	1585	0400	107	24
50	3063	11	3052	0400	206	56
70	657	10	647	0400	44	80

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	242	60	8	24	0030 I	1 003 S	13406 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
73	07	60	0	8	9 260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	313	48	265	0400	18	
10	448	48	400	0400	27	2
20	493	47	446	0400	30	5
30	618	46	572	0400	39	9
50	2284	42	2242	0400	151	28
70	972	20	952	0400	64	49

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	245	60	8	24	1230 I	1000 S	13600 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
59	05	85	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1279	50	1229	0400	83	
10	1666	49	1617	0400	109	10
20	1897	66	1831	0400	123	21
30	2171	51	2120	0400	143	35
40	2379	49	2330	0400	157	50
50	2424	30	2394	0400	161	65

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	248	60	8	25	0025 I	1004 S	13805 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
53	04	92	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1871	83	1788	0400	120	
10	2252	81	2171	0400	146	13
20	2164	80	2084	0400	140	28
30	2138	77	2061	0400	139	42
40	2031	51	1980	0400	134	6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	251	60	8	25	1220 I	1007 S	14000 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
51	04	45	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	3657	96	3561	0400	240	
10	4267	57	4210	0400	284	26
20	4111	58	4053	0400	273	54
30	4345	51	4294	0400	289	82
40	2809	31	2778	0400	187	106

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	253	60	8	31	0010 K	0903 S	14446 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
88	07	20	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	375	72	303	0300	27	
10	368	53	315	0300	28	3
20	346	47	299	0300	27	6
30	898	33	365	0300	33	9
50	693	22	671	0300	60	18
70	453	12	441	0300	40	28

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	254	60	9	01	0650 I	1208 S	13946 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
60	05	125	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1521	32	1489	0400	100	
10	1653	29	1624	0400	110	10
20	954	25	929	0400	63	19
30	1898	36	1862	0400	126	29
40	1956	23	1933	0400	130	41
50	2020	32	1988	0400	134	55

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	255	60	9	01	1600 I	1310 S	13858 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
59	05	100	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1912	67	1845	0400	124	
10	2491	90	2401	0400	162	14
20	2176	89	2087	0400	141	29
30	2720	71	2649	0400	179	45
40	4009	62	3947	0400	266	68
50	2260	33	2227	0400	150	88

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	256	60	9	02	0320 I	1130 S	13800 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
59	05	55	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
10	836	48	788	0400	53	
	1020	46	974	0400	66	6
20	877	53	824	0400	56	12
30	996	43	955	0400	64	18
40	854	50	804	0400	54	24
50	3706	60	3646	0400	246	39

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	257	60	9	03	0020 I	0800 S	13600 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
53	05	95	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	5253	76	5177	0400	349	
10	5901	81	5820	0400	392	37
20	4876	111	4765	0400	321	73
30	4172	35	4137	0400	279	103
40	1764	55	1709	0400	115	122
50	1049	34	1015	0400	68	132

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	258	60	9	03	1025 I	0800 S	13400 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
64	05	55	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	3182	98	3084	0400	208	
10	4252	88	4164	0400	281	24
20	4065	82	3983	0400	269	52
30	4784	60	4724	0400	318	81
40	4822	53	4769	0400	321	113
50	2270	31	2239	0400	151	137

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	260	60	9	03	2130 I	0805 S	13148 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1298	15	12	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	581	75	506	0400	34	
25	471	74	397	0400	27	8
50	982	25	957	0400	65	19
75	784	13	771	0400	52	34
100	51	17	34	0400	2	40
150	20	7	13	0400	1	41

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	264	60	9	04	0950 I	0854 S	12941 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
2240	15	35	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1234	17	1217	0400	82	
25	1848	16	1832	0400	124	26
50	1809	12	1797	0400	121	56
75	356	14	342	0400	23	74
100	87	14	73	0400	5	78
150	11	5	6	0400		79

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	267	60	9	04	2230 H	0832 S	12728 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1189	15	10	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	996	60	936	0400	63	
25	1956	58	1898	0400	128	24
50	1628	29	1599	0400	108	53
75	157	10	147	0400	10	68
100	101	18	83	0400	6	70
150	12	6	6	0400		71

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	268	60	9	05	0430 H	0901 S	12748 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3383	15	50	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	525	38	487	0400	33	
25	584	40	544	0400	37	9
50	571	13	558	0400	38	18
75	181	14	167	0400	11	24
100	31	8	23	0400	2	26
150	13	11	2	0400		26

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	269	60	9	05	0830 I	0936 S	12807 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
585	15	80	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1028	16	1012	0400	68	
25	1341	15	1326	0400	89	20
50	1187	18	1169	0400	79	41
75	843	10	833	0400	56	59
100	42	11	31	0400	2	63
150	26	8	18	0400	1	64

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	271	60	9	05	1425 I	1004 S	12824 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
73	05	70	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	359	12	347	0500	18	
10	891	15	876	0500	47	3
20	1937	20	1917	0500	103	11
30	3248	39	3211	0500	173	25
40	1883	27	1856	0500	100	38
50	1148	19	1129	0500	61	46

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	273	60	9	05	1730 I	1035 S	12843 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
9999	07	65	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	284	60	224	0400	15	
10	384	65	319	0400	22	2
20	361	55	306	0400	21	4
30	501	55	446	0400	30	6
50	986	49	937	0400	63	16
70	1170	30	1140	0400	77	30

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	275	60	9	05	2130 I	1108 S	12902 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
35	03	75	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1458	62	1396	0450	84	
10	2076	84	1992	0450	119	10
25	890	92	798	0450	53	23

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	276	60	9	06	0155 I	1138 S	12920 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
55	03	65	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	536	56	480	0400	32	
15	534	58	479	0400	32	5
30	1334	55	1279	0400	86	14

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	281	60	9	12	1500 H	1343 S	12442 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
86	07	12	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	130	32	98	0400	7	
10	421	45	376	0400	25	2
20	445	55	390	0400	26	4
30	795	67	728	0400	49	8
50	3725	67	3658	0400	247	38
70	1731	36	1395	0400	114	74

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	282	60	9	12	1900 H	1322 S	12426 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
163	15	5	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	179	28	151	0400	10	
25	139	58	81	0400	6	2
50	328	56	272	0400	18	6
75	652	19	633	0400	43	13
100	103	9	94	0400	6	19
150	60	9	51	0400	3	21

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	283	60	9	12	2135 H	1250 S	12415 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
192	15	12	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	136	26	110	0400	7	
25	168	54	144	0400	10	2
50	202	45	157	0400	11	5
75	1571	20	1551	0400	105	19
100	799	20	779	0400	53	39
150	17	9	8	0400	1	52

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	284	60	9	13	0100 H	1218 S	12403 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
88	07	2	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	266	46	220	0400	15	
10	182	79	103	0400	7	1
20	748	75	673	0400	45	4
30	1459	50	1409	0400	95	11
50	1092	17	1075	0400	73	27
70	1179	18	1161	0400	78	42

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	285	60	9	13	0345 H	1154 S	12347 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
172	15	10	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	488	43	445	0400	30	
25	1007	50	957	0400	65	12
50	1450	48	1402	0400	95	32
75	877	29	848	0400	57	51
100	142	10	132	0400	9	59
150	25	8	17	0400	1	61

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	286	60	9	13	0930 H	1109 S	12325 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1829	15	25	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	500	34	466	0400	31	
25	860	45	815	0400	55	11
50	2079	28	2051	0400	138	35
75	547	25	522	0400	35	57
100	38	8	30	0400	2	61
150	13	8	5	0400		62

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	292	60	9	14	1045 H	1119 S	11841 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4389	15	115	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	910	42	868	0400	59	
25	1642	43	1599	0400	108	21
50	2856	46	2810	0400	189	58
75	407	23	374	0400	25	85
100	84	81	3	0400		88
150	8	8		400		88

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	295	60	9	14	2230 H	1301 S	11927 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4297	15	145	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	160	57	103	0400	7	
25	157	66	91	0400	6	2
50	155	37	118	0400	8	3
75	509	22	487	0400	33	8
100	107	13	94	0400	6	13
150	24	8	16	0400	1	15

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	297	60	9	15	0730 H	1332 S	11950 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3091	15	115	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	397	15	382	0400	26	
25	454	20	434	0400	29	7
50	618	13	605	0400	41	16
75	867	15	852	0400	57	28
100	57	11	46	0400	3	35
150	5	5		400		36

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	299	60	9	15	1510 H	1449 S	12024 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1609	15	98	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	182	22	160	0400	11	
25	280	49	231	0400	16	3
50	242	40	202	0400	14	7
75	1314	28	1286	0400	87	19
100	241	35	206	0400	14	32
150	19	10	9	0400	1	36

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	301	60	9	15	2230 H	1541 S	12051 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
287	15	65	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	147	24	123	0400	8	
25	100	25	75	0400	5	2
50	610	26	584	0400	39	7
75	180	10	170	0400	12	14
100	77	8	69	0400	5	16
150	11	14	3	0400		17

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	303	60	9	16	0125 H	1607 S	12105 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
66	05	65	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	498	55	443	0400	30	
10	584	54	530	0400	36	3
20	663	37	626	0400	42	7
30	563	51	512	0400	35	11
40	979	57	922	0400	62	16
50	1483	55	1428	0400	96	24

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	304	60	9	16	0425 H	1635 S	12119 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
42	03	45	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1393	40	1353	0400	91	
10	1451	38	1416	0400	95	9
20	1796	38	1758	0400	119	20
30	1683	51	1632	0400	110	31

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	305	60	9	16	0715 H	1700 S	12133 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
44	03	20	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	2200	35	2165	0400	146	
10	2408	31	2377	0400	160	13
20	2559	32	2527	0400	170	32
30	2325	18	2307	0400	156	48

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	306	60	9	16	0930 H	1725 S	12142 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
42	03	33	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1670	21	1649	0400	111	
10	1779	24	1655	0400	112	11
20	2274	22	2252	0400	152	24
30	1943	19	1924	0400	130	38

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	312	60	9	17	0810 H	1942 S	11745 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
60	05	35	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1307	35	1272	0400	86	
10	1590	28	1562	0400	105	10
20	1933	22	1911	0400	129	21
30	1766	20	1746	0400	118	34
40	1660	16	1644	0400	111	45
50	1607	18	1589	0400	107	56

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	313	60	9	17	1105 H	1916 S	11729 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
119	10	65	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	591	25	566	0400	38	
25	636	37	599	0400	40	10
50	3654	34	3620	0400	244	45
75	583	13	570	0400	38	81
100	376	20	356	0400	24	88

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	314	60	9	17	1440 H	1850 S	11719 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
282	15	90	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	160	20	140	0400	9	
25	331	31	300	0400	20	
50	811	32	779	0400	53	13
75	1440	16	1424	0400	96	31
100	190	9	181	0400	12	45
150	24	10	14	0400	1	48

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	315	60	9	17	1830 H	1820 S	11705 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1554	08	113	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	169	32	137	0400	9	
25	133	35	98	0400	7	2
50	261	49	212	0400	14	3
75	628	24	604	0400	41	11

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	317	60	9	18	0105 H	1726 S	11641 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
2286	15	135	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	136	35	101	0400	7	
25	154	53	101	0400	7	2
50	289	39	250	0400	17	5
75	879	20	859	0400	58	14
100	56	15	41	0400	3	22
150	15	6	9	0400	1	22

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	319	60	9	18	0735 H	1626 S	11615 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	180	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	406	20	386	0400	26	
25	589	23	566	0400	38	8
50	625	15	610	0400	41	18
75	610	13	592	0400	40	28
100	133	10	123	0400	8	34
150	43	8	35	0400	2	37

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	321	60	9	18	1635 H	1535 S	11556 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5706	15	215	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	154	22	132	0400	9	
25	238	43	195	0400	13	3
50	352	48	304	0400	21	7
75	543	29	514	0400	35	14
100	361	16	345	0400	23	21
150	69	6	59	0400	4	28

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	323	60	9	19	0015 H	1445 S	11522 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5752	15	273	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	286	36	250	0400	17	
25	188	45	73	0400	5	3
50	142	47	95	0400	6	4
75	389	23	366	0400	25	8
100	95	9	86	0400	6	12
150	13	8	5	0400		13

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	325	60	9	19	0900 H	1343 S	11449 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5358	15	300	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	411	8	403	0400	27	
25	513	20	493	0400	33	8
50	2006	20	1986	0400	134	28
75	640	19	621	0400	42	50
100	478	17	461	0400	31	60
150	56	9	47	0400	3	68

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	327	60	9	19	1940 H	1224 S	11418 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4572	15	230	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	87	50	37	0400	2	
25	79	50	29	0400	2	1
50	155	52	103	0400	7	2
75	127	34	93	0400	6	3
100	121	49	72	0400	5	5
150	11	57	46	0400		6

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	329	60	9	20	0730 H	1053 S	11332 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
6218	15	140	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	580	25	555	0400	37	
25	1233	36	1197	0400	81	15
50	1309	24	1285	0400	87	36
75	478	20	458	0400	31	50
100	47	12	35	0400	24	57
150	129	14	115	0400	8	65

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	334	60	9	21	0630 G	1243 S	10908 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
3475	15	220	0	8	9260	016

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	1481	31	1450	0400	98	
25	1463	32	1431	0400	96	24
50	2390	29	2361	0400	159	56
75	411	12	399	0400	27	79
100	64	11	53	0400	4	83
150	83	13	70	0400	5	85

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	336	60	9	21	1705 G	1403 S	11015 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5852	15	280	0	8	9260	016

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	329	45	284	0450	17	
25	425	36	389	0450	23	5
50	1572	60	1512	0450	90	19
75	687	22	665	0450	40	36
100	401	36	365	0450	20	43
150	110	24	86	0450	5	50

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	339	60	9	22	0200 G	1529 S	11053 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
5852	15	310	0	8	9260	016

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
25	951	29	922	0400	62	
	1093	31	1062	0400	72	17
50	1227	59	1168	0400	79	36
75	209	17	182	0400	13	47
100	33	5	28	0400	2	49
150	9	7	3	0400		49

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	341	60	9	22	1145 G	1621 S	11127 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4938	15	315	0	8	9260	010

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
25	484	19	465	0400	31	
	730	21	709	0400	48	10
50	1308	10	1298	0400	88	27
75	776	42	734	0400	50	44
100	141	9	132	0400	9	51
150	56	13	43	0400	3	54

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	343	60	9	22	2145 G	1733 S	11202 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
4755	15	260	0	8	9260	016

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	97	47	50	0400	3	
25	119	35	84	0400	6	1
50	417	37	380	0400	26	3
75	203	21	182	0400	12	10
100	120	11	109	0400	7	12
150	23	6	17	0400	1	14

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	345	60	9	23	0730 H	1900 S	11246 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
2103	15	170	0	8	9260	016

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	814	24	790	0400	53	
25	969	20	949	0400	64	15
50	962	17	945	0400	64	31
75	1304	17	1287	0400	87	49
100	421	17	404	0400	27	64
150	24	10	14	0400	1	71

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	346	60	9	23	1340 H	1959 S	11315 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1006	15	120	0	8	9260	016

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	644	12	632	0400	43	
25	990	17	973	0400	66	14
50	1720	22	1698	0400	114	36
75	408	11	397	0400	27	54
100	326	12	314	0400	21	60
150	63	1	62	0400	4	66

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	348	60	9	23	1940 H	2044 S	11333 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
1189	15	065	0	8	9260	016

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	185	40	145	0475	8	
25	218	42	176	0475	10	2
50	886	29	857	0475	49	10
75	123	18	105	0475	6	16
100	18	16	2	0475		17
150	39	3	36	0475	2	13

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	349	60	9	24	0145 H	2140 S	11400 E

SONIC DEPTH	MAX. SAMP. DEPTH	DIST. FROM COAST	METHOD OF INCUBATION	STOCK NUMBER	STOCK ACTIVITY	BACKGROUND
183	15	5	0	8	9260	016

DEPTH	LIGHT COUNT	DARK COUNT	NET COUNT	INCUBATION PERIOD	RATE OF PRODUCTION A	RATE OF PRODUCTION B
	523	49	474	0400	32	
25	503	48	455	0400	31	8
50	315	43	278	0400	19	14
75	873	5	868	0400	59	24
100	415	26	389	0400	26	34
150	48	14	34	0400	2	41

PRIMARY PRODUCTION

(b) Stations at which Surface Samples Taken.

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x 10^6C/m

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
116	60	07	12	3159S	11154E	1630	2100	186	017	169	0.09
118	60	07	13	3159S	10947E	2415	0415	149	017	132	0.08
119	60	07	13	3159S	10841E	0415	0900	017	017	000	0.00
121	60	07	13	3156S	10638E	1615	2005	161	019	142	0.08
126	60	07	14	3142S	10212E	1615	2020	099	014	085	0.05
127	60	07	14	3129S	10110E	2015	0015	094	027	067	0.04
128	60	07	15	3119S	10017E	0010	0410	201	017	184	0.11
129	60	07	15	3112S	09915E	0345	0745	289	007	282	0.17
130	60	07	15	3059S	09841E	0810	1215	324	002	322	0.19
131	60	07	15	3040S	09730E	1240	1640	189	009	180	0.11
132	60	07	15	3037S	09718E	1635	2035	069	014	055	0.03
134	60	07	18	2845S	09453E	0025	0425	041	010	031	0.02
135	60	07	18	2758S	09457E	0430	0845	059	018	041	0.02
136	60	07	18	2723S	09501E	0805	1210	120	009	111	0.07
137	60	07	18	2638S	09501E	1205	1615	126	010	116	0.07
138	60	07	18	2554S	09501E	1615	2015	156	011	145	0.09
139	60	07	18	2534S	09512E	2025	0025	054	011	043	0.03
175	60	08	07	0056N	09443E	0005	0405	4080	066	4012	2.37
176	60	08	07	0015N	09500E	0405	0800	186	023	163	0.10
177	60	08	07	0004S	09507E	0800	1205	348	025	323	0.19

(b) Stations at which Surface Samples Taken.

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x 10^6C/m -

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
177	60	08	07	0004S	09507E	1215	1620	328	010	318	0.21
177	60	08	07	0004S	09507E	1615	2020	092	051	041	0.03
178	60	08	07	0012S	09505E	2030	0030	020	011	009	0.01
179	60	08	08	0112S	09504E	2400	0400	040	189	149	-
180	60	08	08	0147S	09502E	0400	0800	028	023	005	0.00
181	60	08	08	0228S	09501E	0805	1205	569	013	556	0.33
182	60	08	08	0230S	09500E	1205	1605	693	009	684	0.40
182	60	08	08	0230S	09500E	1605	2030	358	032	326	0.17
183	60	08	08	0242S	09500E	2030	0030	115	018	097	0.06
184	60	08	09	0337S	09500E	0015	0415	018	046	028	-
185	60	08	09	0432S	09500E	0415	0840	123	484	361	-
186	60	08	09	0500S	09440E	0840	1240	187	435	248	-
186	60	08	09	0500S	09440E	1207	1610	356	013	343	0.20
186	60	08	09	0500S	09440E	1610	2010	125	054	071	0.04
187	60	08	10	0512S	09536E	0010	0415	047	023	024	0.01
188	60	08	10	0525S	09630E	0415	0815	223	031	192	0.11
189	60	08	10	0536S	09725E	0810	1210	340	134	206	0.12
190	60	08	10	0548S	09819E	1200	1630	354	031	323	0.17
191	60	08	10	0552S	09908E	1700	2120	125	029	096	0.05
192	60	08	10	0551S	09953E	2010	0010	033	015	028	0.02

(b) Stations at which Surface Samples Taken.

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x $10^{6}C/m$

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
193	60	08	11	0549S	10035E	0035	0435	057	027	030	0.02
197	60	08	15	0735S	10539E	1210	1610	921	071	850	0.50
198	60	08	15	0741S	10607E	1620	2040	143	072	071	0.04
199	60	08	15	0801S	10702E	2050	2450	093	046	047	0.03
200	60	08	15	0814S	10743E	0100	0500	1195	058	1137	0.67
203	60	08	16	0845S	10922E	1215	1615	981	011	970	0.57
204	60	08	16	0853S	10959E	1610	2010	942	164	778	0.46
205	60	08	16	0901S	11040E	2010	2410	243	056	187	0.11
206	60	08	17	0910S	11126E	0001	0400	225	066	159	0.09
207	60	08	17	0920S	11212E	0405	0830	720	056	664	0.37
208	60	08	17	0935S	11309E	0840	1240	1707	036	1671	0.99
208	60	08	17	0935S	11309E	1215	1605	152	033	119	0.07
209	60	08	17	0933S	11359E	1615	2015	1496	021	1475	0.87
210	60	08	17	0930S	11449E	2000	2400	2282	109	2173	1.28
211	60	08	17	0930S	11521E	2406	0406	417	090	327	0.19
212	60	08	18	0922S	11524E	0402	0402	2071	032	2059	1.22
213	60	08	18	0851S	11541E	0809	1340	1267	054	1213	0.52
215	60	08	18	0800S	11616E	1600	2015	548	033	515	0.28
216	60	08	18	0804S	11716E	2015	0001	143	079	064	0.04
217	60	08	19	0800S	11808E	0010	0410	217	056	161	0.09

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x 10^6C/m

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
218	60	08	19	0800S	11900E	0415	0815	251	031	220	0.13
219	60	08	19	0800S	11937E	0810	1225	978	014	964	0.57
219	60	08	19	0800S	11937E	1230	1640	831	014	817	0.48
220	60	08	19	0900S	11927E	1610	2010	2657	029	2628	1.55
222	60	08	19	0903S	11951E	2005	2410	1003	037	966	0.57
223	60	08	19	0908S	12037E	0027	-	-	-	-	-
225	60	08	20	0914S	12225E	0830	1235	2666	036	2630	1.55
225	60	08	20	0914S	12225E	1200	1630	2089	043	2046	1.07
225	60	08	20	0914S	12225E	1630	2005	298	080	218	0.15
226	60	08	20	0901S	12307E	2010	0010	653	081	572	0.34
227	60	08	21	0845S	12415E	0005	0410	859	269	590	0.35
228	60	08	21	0831S	12505E	0410	0810	572	043	529	0.31
229	60	08	21	0820S	12550E	0805	1205	1043	102	941	0.55
229	60	08	21	0820S	12550E	1208	1610	1144	014	1130	0.66
229	60	08	21	0823S	12549E	1610	2012	1852	020	1832	1.08
230	60	08	21	0816S	12620E	2010	1410	547	039	508	0.30
231	60	08	22	0813S	12711E	1410	0410	719	075	644	0.38
232	60	08	22	0801S	12755E	0410	0810	1105	054	1051	0.62
233	60	08	22	0746S	12844E	0810	1208	1060	054	1006	0.59
233	60	08	22	0746S	12844E	1155	1630	504	020	484	0.25

(b) Stations at which Surface Samples Taken.

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x 10^6C/m

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
234	60	08	22	0819S	12914E	1630	2030	361	047	314	0.18
235	60	08	22	0851S	12947E	2030	2430	338	036	302	0.18
236	60	08	23	0858S	13002E	0005	0405	468	044	424	0.25
237	60	08	23	0920S	13045E	0405	0815	779	072	707	0.42
238	60	08	23	0941S	13123E	0820	1230	1286	040	1246	0.74
239	60	08	23	1003S	13156E	1225	1625	426	060	366	0.22
240	60	08	23	1008S	13241E	1605	2010	342	050	292	0.17
241	60	08	23	1009S	13327E	2015	-	-	-	-	-
242	60	08	24	1003S	13406E	0005	0405	245	101	144	0.08
243	60	08	24	1000S	13442E	0410	1010	674	190	484	0.28
245	60	08	24	1000S	13600E	1205	1615	1435	195	1240	0.73
246	60	08	24	1001S	13641E	1620	2010	852	053	799	0.47
247	60	08	24	1003S	13723E	2005	0005	1719	151	1568	0.93
248	60	08	25	1003S	13805E	0005	0405	846	075	771	0.45
249	60	08	25	1002S	13842E	0415	0815	1169	081	1088	0.64
250	60	08	25	1003S	13920E	0813	1205	675	122	553	0.33
251	60	08	25	1007S	14000E	1210	1605	3813	044	3769	2.23
251	60	08	25	1007S	14000E	1610	2000	1540	077	1463	0.86
252	60	08	25	1047S	14045E	2000	2410	884	120	764	0.45
258	60	09	03	0800S	13400E	1210	1610	1736	090	1646	0.97

(b) Stations at which Surface Samples Taken.

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x 10^6C/m

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
259	60	09	03	0754S	13243E	1610	2005	814	046	768	0.45
260	60	09	03	0805S	13148E	2000	2400	270	063	207	0.12
261	60	09	04	0820S	13125E	0010	0405	034	020	014	0.01
262	60	09	04	0839S	13044E	0405	0805	388	071	317	0.19
263	60	09	04	0851S	12952E	0800	1200	772	033	739	0.44
264	60	09	04	0853S	12940E	1210	1610	306	015	281	0.17
265	60	09	04	0842S	12840E	1605	2005	182	022	160	0.09
266	60	09	04	0831S	12749E	2010	0005	447	043	404	0.24
267	60	09	04	0832S	12728E	0010	0405	453	051	402	0.23
268	60	09	05	0901S	12748E	0410	0810	543	049	494	0.29
269	60	09	05	0936S	12807E	0815	1215	228	030	198	0.12
270	60	09	05	0941S	12815E	1220	1620	456	028	428	0.25
272	60	09	05	1025S	12835E	1615	2015	661	046	615	0.36
274	60	09	05	1038S	12844E	2015	0100	193	061	132	0.07
277	60	09	12	1242S	12728E	0010	0410	234	065	169	0.10
278	60	09	12	1251S	12636E	0405	0810	407	074	333	0.20
279	60	09	12	1302S	12554E	0815	1215	939	042	897	0.53
280	60	09	12	1328S	12507E	1205	1605	2386	260	2126	1.26
281	60	09	12	1344S	12440E	1615	2015	3065	049	3016	1.78
282	60	09	12	1321S	12426E	2010	0010	440	325	115	0.07

(b) Stations at which Surface Samples Taken.

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x 10^6C/m

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
284	60	09	13	1218S	12403E	0010	0410	221	069	252	0.15
285	60	09	13	1154S	12347E	0415	0815	626	033	593	0.35
286	60	09	13	1108S	12324E	0815	1215	942	176	766	0.45
287	60	09	13	1111S	12310E	1215	1615	478	042	436	0.26
288	60	09	13	1114S	12218E	1605	2000	598	200	398	0.24
291	60	09	14	1118S	11932E	0410	0813	756	185	571	0.34
292	60	09	14	1119S	11840E	0803	1212	1431	066	1365	0.81
292	60	09	14	1119S	11840E	1214	1603	685	171	514	0.30
293	60	09	14	1202S	11904E	1605	2005	079	011	068	0.04
294	60	09	14	1241S	11918E	2000	2400	116	070	046	0.03
295	60	09	14	1301S	11927E	0007	0400	084	055	029	0.02
296	60	09	15	1325S	11940E	0407	0810	241	057	184	0.11
297	60	09	15	1332S	11950E	0805	1205	462	040	422	0.25
298	60	09	15	1426S	12015E	1205	1610	285	044	241	0.14
299	60	09	15	1449S	12024E	1610	2010	320	079	241	0.14
300	60	09	15	1522S	12040E	2005	0005	127	317	190	-
302	60	09	16	1556S	12059E	0005	0405	222	271	049	-
304	60	09	16	1635S	12119E	0410	0810	1008	064	944	0.56
305	60	09	16	1700S	12133E	0807	1240	1090	047	943	0.50
307	60	09	16	1740S	12123E	1240	1640	813	7800	6987	-

(b) Stations at which Surface Samples Taken.

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x 10^6C/m

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
308	60	09	16	1802S	12046E	1613	2005	644	1559	915	-
309	60	09	16	1829S	11947E	2008	0002	3601	185	3416	2.02
310	60	09	17	1853S	11914E	0005	0405	132	048	084	0.05
311	60	09	17	1918S	11829E	0410	0810	411	271	140	0.08
312	60	09	17	1942S	11745E	0810	1200	1317	077	1240	0.73
313	60	09	17	1916S	11729E	1210	1605	730	110	620	0.37
314	60	09	17	1850S	11719E	1610	2015	379	135	244	0.14
316	60	09	17	1802S	11658E	2015	0015	513	380	133	0.08
317	60	09	18	1726S	11641E	0015	0407	334	142	192	0.11
318	60	09	18	1649S	11625E	0407	0807	114	047	067	0.04
319	60	09	18	1626S	11615E	0807	1210	365	111	254	0.15
320	60	09	18	1613S	11610E	1205	1630	404	060	344	0.18
321	60	09	18	1535S	11556E	1630	2030	111	085	026	0.02
322	60	09	18	1527S	11547E	2005	0030	119	032	087	0.05
323	60	09	19	1445S	11522E	0030	0400	265	071	194	0.13
324	60	09	19	1447S	11510E	0400	1000	278	065	213	0.08
325	60	09	19	1343S	11449E	1210	1608	517	071	446	0.26
326	60	09	19	1254S	11429E	1605	2005	473	206	267	0.16
327	60	09	19	1224S	11418E	2007	0007	122	069	053	0.03
328	60	09	20	1151S	11402E	0010	0530	192	047	145	0.08

(b) Stations at which Surface Samples Taken.

Ship Diamantina Cruise 2/60 ^{14}C stock 7 Activity 10.39 x 10^{6}C/m

Stn. No.	Date Year	Month	Day	Position Lat.	Long.	Incubation Time In	Time Out	Activity c.p.m. Light	Dark	Net	Production mgC/hr/m^3
329	60	09	20	1053S	11332E	0815	1210	682	122	560	0.33
330	60	09	20	1102S	11237E	1210	1610	372	047	325	0.19
331	60	09	20	1122S	11154E	1610	2010	235	047	188	0.11
332	60	09	20	1149S	11059E	2010	0010	355	091	264	0.16
333	60	09	21	1214S	11008E	0010	0410	248	054	194	0.15
334	60	09	21	1243S	10908E	0410	0810	506	085	421	0.25
334	60	09	21	1243S	10908E	0813	1213	1205	071	1134	0.67
335	60	09	21	1303S	10948E	1206	1620	978	018	960	0.57
336	60	09	21	1403S	11015E	1620	2020	461	039	422	0.25
337	60	09	21	1426S	11026E	2010	2410	255	064	191	0.11
338	60	09	22	1507S	11047E	0005	0400	341	594	253	-
339	60	09	22	1529S	11053E	0400	0800	562	126	436	0.26
340	60	09	22	1604S	11118E	0804	1304	1089	027	1062	0.50
340	60	09	22	1604S	11118E	1305	1705	734	048	686	0.41
342	60	09	22	1650S	11141E	1610	2010	313	059	254	0.15
343	60	09	22	1733S	11202E	2010	0010	280	088	192	0.11
343	60	09	23	1733S	11202E	0004	0405	133	056	077	0.05
344	60	09	23	1835S	11233E	0410	0810	238	033	205	0.12
345	60	09	23	1900S	11246E	0810	1210	1006	026	980	0.58
346	60	09	23	1958S	11315E	1210	1610	791	132	659	0.39
347	60	09	23	2010S	11319E	1600	2000	674	072	602	0.36

DATA

PART 4

PIGMENTS

EXPLANATION OF HEADINGS

Part 4 Pigments

SHIP	The figures 11 are used to designate Diamantina.
CRUISE	Cruise numbers are allotted each year, beginning with 1 for the first cruise.
STATION	Stations are numbered consecutively for each ship for each year.
TIME	Given in Zone Time (Table 2).
LATITUDE LONGITUDE	The position of each station is given in degrees and minutes.
DEPTH	Actual sampling depth given in metres, a blank indicates 0 m.
CHLOROPHYLL a b c	Chlorophyll a and b are given in mg/m^3, and chlorophyll c in MSPU/m^3, to 2 decimal places.
ASTACIN NON-ASTACIN	Astacin and non-astacin are given in MSPU/m^3 to 2 decimal places.
	An asterisk in the body of the table indicates that a negative value was found. A blank indicates that the value was zero.

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	256	60	9	02	310 I	1130 S	13800 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	10	3 *	8	2	3
10	10	8	52	7	2 *
20	4	10	39	6	
30	8		8	3	7
40	7	3	38	6	1 *
50	19	3	50	7	2 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	257	60	9	03	5 I	800 S	13600 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	22	9	63	6	1
10	22	6	96	10	1 *
20	26	13	75	7	2
30	22	13		13	7
40	18	10	10	14	7 *
50	23	18	33	20	15 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	1750 F	4 N	9507 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	5	30	7	
25	4	3	21	4	1
50	6	6	38	7	
100	7	10	37	8	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	182	60	8	08	1230 F	230 N	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	9	8	48	7	1
25	7	9	42	8	1 *
50	13	9	49	9	
70	9	8	49	9	
90	10	7	45	8	1
105	12	6	56	15	2 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	115	60	7	12	1015 G	3159 S	11154 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	8	22	6	1
25	16	15	74	13	1
50	9	6	39	36	10
75	6	6	46	5	
100	4	4	23	7	1
150	7	7	43	8	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	117	60	7	12	2000 G	3201 S	10957 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	9	7	63	9	1
25	13	12	78	13	3
50	11	7	59	19	7
75	12	11	82	10	2
100	14	11	73	10	3
150	8	7	44	7	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	120	60	7	13	830 G	3200 S	10734 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	11	10	64	8	1	*
25	9	8	50	8	1	*
50	7	6	48	19	5	*
75	13	10	66	17	4	*
100	11	12	72	12	2	*
150	14	8	15	23	10	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	125	60	7	14	815 G	3159 S	10329 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	7	4	55	7		
25	10	8	66	11	2	*
50	6	3	23	6	1	
75	9	8	50	8		
100	10	8	53	9	1	*
150	6	7	42	7	1	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	129	60	7	15	2306 G	3112 S	9915 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	10	6	54	8	
25	10	8	53	9	1 *
50	8	9	41	9	1 *
75	10	9	42	8	
100	9	7	31	6	1
150	6	4	27	6	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	131	60	7	15	1345 F	3014 S	9730 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	7	5	44	6	1 *
25	11	8	49	8	
50	11	9	60	14	3 *
75	12	10	61	10	
100	4	4	23	4	1
150	2	3	27	4	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	700 F	2940 S	9447 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	5	4	28	4	1	
25	10	9	55	11	1	*
50	7	8	50	8	1	*
75	8	7	43	7		
150	8	8	51	10	2	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	910 F	2940 S	9447 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	6	7	44	7	2	*
25	4	4	24	4	1	
50	9	6	50	6		
100	9	7	54	8	1	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	1200 F	2940 S	9447 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	6	5	33	6	
50	5	5	34	6	1
100	10	8	52	9	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	1500 F	2940 S	9447 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	5	5	29	5	2
25	6	4	23	4	1
50	4	5	29	5	1
100	10	5	46	10	1 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	1800 F	2940 S	9447 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	7	2	47	7	1 *
25	8	11	41	7	2 *
50	6	3	31	6	
100	10	6	40	8	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	16	2100 F	2940 S	9447 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	3	21	4	1
25	5	4	26	4	1
50	5	4	25	5	1
100	6	6	49	7	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	1 F	2940 S	9447 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	9	8	36	7	
25	4	4	38	7	
50	8	7	43	8	1 *
100	8	4	54	6	3

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	300 F	2940 S	9447 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	10	9	54	10	1 *
25	9	7	47	8	
50	9	7	47	8	1
100	8	6	41	6	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	600 F	2940 S	9447 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	4	24	5	1
25	10	6	70	10	2 *
50	5	3	29	6	
75	5	3	21	3	1
100	4	3	20	4	2
150	8	6	51	6	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	900 F	2940 S	9447 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	7	6	38	2	6
25	6	1	25	4	2
50	4	3	17	3	
100	5	4	28	6	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	1200 F	2940 S	9447 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	4	24	5	1
25	5	4	26	4	1
50	6	3	23	4	2
100	10	9	54	11	3 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	1500 F	2940 S	9447 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	3	34	5	1
25	5	3	38	5	2
50	6	6	38	6	1
100	7	4	52	20	6 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	133	60	7	17	1830 F	2940 S	9447 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	5	4	27	4	2
25	8	5	46	6	1
50	4	7	41	6	1
100	11	8	96	9	1 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	136	60	7	18	815 F	2723 S	9501 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	6	6	39	6	1 *
25	4	5	20	4	
50	6	6	49	8	2 *
75	7	4	37	6	1 *
100	14	10	66	10	2 *
150	4	4	38	6	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	139	60	9	18	2030 F	2534 S	9512 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	5	3	32	6	1 *
25	5	4	25	6	
50	5	6	35	6	
75	5	4	39	5	1
100	8	7	42	8	1 *
150	10	9	54	11	1 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	142	60	7	19	1330 F	2223 S	9500 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	5	4	25	6	1 *
25	4	4	22	4	1
50	4	4	23	5	
75	4	5	33	6	
100	8	5	36	6	
150				2 *	8

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	610 F	1947 S	9456 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	4	34	8	
25	6	4	26	5	1
50	5	4	28	6	
75	9	10	23	6	
100	14	13	65	15	3 *
150	9	7	46	8	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	900 F	1947 S	9456 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	3	20	4	2
25	5	6	50	9	2 *
50	5	4	24	6	
100	11	8	50	6	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	1210 F	1940 S	9437 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN	
	a	b	c			
	5	4	25	3	2	
25	7	4	35	11	2	*
50	4	3	22	3		
100	14	7	63	8	1	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	1600 F	1940 S	9437 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN	
	a	b	c			
	6	5	30	6	1	
25	5	4	24	4	1	
50	4	4	23	4	2	
100	15	10	63	11	1	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	20	1800 F	1941 S	9435 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	2	1	20	5	1
25	5	4	27	4	2
50	5	5	33	5	
100	16	12	50	8	2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	900 F	1925 S	9428 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	3	47	5	1 *
25	5	4	27	5	1
50	9	5	47	9	4 *
100	8	9	41	5	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	1200 F	1925 S	9428 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	6	36	8	1 *
25	2	3	20	2	1
50	5	4	28	6	
100	12	8	65	10	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	1500 F	1924 S	9420 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	5	30	5	1
25	5	6	35	5	
50	7	6	38	6	
100	5	3	21	3	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	143	60	7	21	1815 F	1924 S	9420 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	3	36	7	2 *
25	6	2	41	5	
100	13	10	53	9	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	145	60	7	22	815 F	1726 S	9453 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	9	6	41	6	1
25	5	4	27	6	
50	5	4	24	4	1
75	8	6	37	9	2 *
100	5	2	27	6	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	148	60	7	22	2100 F	1502 S	9504 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	5	5	29	8	1 *
25	7	6	39	6	
50	6	5	31	4	
75	10	8	51	8	1 *
100	12	9	56	8	2
150	5	4	25	6	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	151	60	7	23	1345 F	1241 S	9504 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	7	9	27	6	
25	8	6	50	6	1 *
50	7	6	39	7	1 *
75	9	8	48	8	1 *
100	7	3	22	4	1
150	5	5	20	5	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	730 F	1000 S	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
25	4	4	23	3	1
50	6	5	30	9	1
75	10	9	44	5	2
100	10	8	53	8	1
150	7	6	51	8	2 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	910 F	1000 S	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
				2	4
25	7	6	38	7	
50	16	7	36	5	2
100	8	6	50	6	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	1330 F	1000 S	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	9	5	35	6	1
25	4	4	23	5	1
50	5	3	21	4	1
100	27	24	127	27	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	155	60	7	24	1530 F	1000 S	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	8	6	41	6	
25	5	6	45	6	
50	17	13	82	13	
100	19	16	103	14	3

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	915 F	200 N	9412 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
25	8	6	38	6	
50	9	7	42	8	1 *
100	14	10	42	7	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	1300 F	200 N	9412 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	14	11	80	14	1 *
25	11	8	52	10	1 *
50	11	9	57	9	1 *
100	15	10	63	10	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	1800 F	200 N	9412 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	10	10	50	9	1 *
25	8	6	40	8	2 *
50	8	7	44	8	1 *
100	14	9	61	10	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	174	60	8	06	600 F	200 N	9412 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	2	42	7	
25	8	6	36	7	1
50	5	5	31	5	2
75	7	10	59	8	1
100	11	6	40	7	1
150	3	4	24	4	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	650 F	4 N	9507 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	9	6	51	6	1
25	4	1	32	5	1
50	5	4	37	5	
100	11	7	59	8	1 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	177	60	8	07	1500 F	4 N	9507 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	4	3	22	5	1
25	7	5	32	7	
50	7	4	47	7	1 *
100	13	7	47	10	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	600 F	230 N	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	5	34	6	
25	8	7	43	7	
50	6	5	32	6	
75	12	11	55	8	1
100		10	117	10	
150	12	8	50	10	2 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	910 F	230 N	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	3	52	6	
25	10	9	40	6	1
50	13	10	47	9	1
100	11	5	61	8	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1200 F	230 N	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	4	42	7	
25	12	5	47	9	1 *
50	9	5	58	9	1 *
100	14	10	67	12	2 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1500 F	230 N	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	7	5	46	7	1 *
25	6	4	25	5	2
50	7	6	39	7	1
100	11	6	51	9	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	186	60	8	09	1800 F	230 N	9500 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	5	41	7	2 *
25	6	7	32	7	
50	8	6	40	7	1
100	56	9	69	16	2 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	194	60	8	14	1400 G	543 N	10623 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	17	6	44	8	
10	18	10	66	9	1 *
20	17	9	51	9	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	195	60	8	15	415 G	658 N	10433 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	8	3	22	5	2
25	13	6	45	9	
50	10	6	53	8	
75	12	6	52	7	1
100	14	8	55	9	
150	12	5	46	8	1 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	197	60	8	15	1245 G	735 N	10539 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	1		1		4
25	12	7	44	7	
50	12	9	44	8	
75	13	7	60	9	
100	25	5	76	7	1
150	7	7	44	11	3 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	200	60	8	15	2305 G	814 N	10743 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	19	6	63	9	
25	23	9	57	10	1
50	18	8	66	8	2
75	30	10	77	9	
100	3	5	16	1	3
150	8	6	50	9	3 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	203	60	8	16	1200 G	845 N	10923 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	9	6	40	6	1 *
25	13	7	61	8	
50	9	9	47	7	1
75	11	8	51	7	1
100	7	3	39	6	1 *
150	10	6	40	5	2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	208	60	8	17	1130 H	936 S	11309 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN	
	a	b	c			
	14	10	49	6	3	
25	14	11	57	10	1	*
50	18	11	60	9	1	
65	14	8	70	10		
75	10	7	44	7	1	
85	10	9	43	8	1	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	211	60	8	17	2330 H	831 S	11521 E

DEPTH	CHLOROPHYLL			ASYACIN	NON ASYACIN	
	a	b	c			
	8	4	27	4	1	
25	18	10	68	7	3	
50	17	9	60	8		
75	21	8	62	9	1	
100	10	6	41	7	1	*
150	12	9	57	9		

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	214	60	8	18	1305 H	800 S	11600 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	8	5	34	5	
20	9	3	44	7	
35	22	12	64	10	1
45	20	9	65	13	
60	24	6	81	17	3 *
75	15	11	71	10	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	219	60	8	19	1200 H	800 S	11938 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	11	7	47	6	1 *
20	7	6	35	6	
30	8	7	42	8	1 *
40	9	7	46	7	1 *
55	5	5	53	8	2 *
65	16	6	56	9	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	221	60	8	19	1740 H	901 S	11946 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	27	13	60	10	1	
25	29	11	79	10		
50	45	12	88	10	3	
75	22	8	45	6	2	
100	21	12	66	10	1	*
175	9	10	39	8	1	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	225	60	8	20	1255 H	919 S	12225 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	10	4	39	7		
20	28	12	87	12	1	
30	70	19	142	18		
40	25	12	62	9	1	
50	17	8	42	9		
65	13	7	58	10	2	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	233	60	8	22	1040 I	746 S	12845 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	14	8	33	8	
20	10	7	43	6	2
35	23	13	64	10	
45	21	13	63	10	1
60	14	7	48	7	1
75	12	7	47	6	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	235	60	8	22	2100 I	851 S	12947 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	7	5	20	3	2
25	16	8	58	7	2
50	20	7	66	8	2
75	14	10	49	9	
100	7	11	28	8	1 *
150	7	8	26	7	1 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	239	60	8	23	1200 I	1004 S	13157 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	13	6	33	5	1	
10	11	9	42	8	1	*
20	14	5	37	6		
30	13	5	39	6		
50	47	11	84	10	4	
70	18	2	57	6	1	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	242	60	8	24	5 I	1003 S	13406 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	9	7	22	6		
10	14	5	47	6		
20	9	10	37	6		
30	10	6	43	7	2	*
50	38	16	78	9	5	
70	37	12	79	12	1	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	245	60	8	24	1230 I	1000 S	13600 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN	
	a	b	c			
	15	8	65	13	1	*
10	16	6	43	6	1	*
20	16	7	49	6	1	
30	14	6	34	5	2	
40	19	6	47	5	3	
50	19	7	39	6	3	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	248	60	8	25	10 I	1004 S	13805 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	30	7	58	8	1
10	25	9	35	7	1
20	27	7	72	8	
30	27	6	55	6	2
40	20	5	33	4	3

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	251	60	8	25	1200 I	1007 S	14000 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	16	10	79	9	2	*
10	26	10	61	8	1	
20	39	9	77	8	3	
30	14	8	55	9		
40	24	7	55	6	1	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	253	60	8	31	10 K	903 S	14446 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	5	5	16	6	1	*
10	9	4	42	5		
20	5	1	40	7	1	*
30	8	2	46	5	1	
50	17	9	46	9	1	*
70	13	13	16	6	1	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	254	60	9	01	640 I	1208 S	13946 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN	
	a	b	c			
	6	7	11	6	1	*
10	11	7	30	6		
20	7	5	20	6	1	*
30	2	1	50	4	1	
40	15	3	45	8	1	*
50	13	6	45	5	2	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	255	60	9	01	1600 I	1310 S	13858 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN	
	a	b	c			
	16	5	38	7	2	
10	16	11	60	8	1	*
20	16	5	38	12	4	*
30	17	13	33	7	1	
40	19	7	69	14	4	*
50	25	10	89	11	1	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	258	60	9	03	1010 I	800 S	13400 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	14	9	37	9	1 *
10	9	2	33	6	
20	18	5	56	8	2 *
30	13	5	39	5	1
40	17	6	61	4	4
50	10	5	32	1	4

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	260	60	9	03	2110 I	805 S	13148 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	7	7	26	2	2
25	6	15	36	9	2 *
50	14	11	56	3	7
75	16	9	30	1	9
100	2	4	42	6	
150	2	5	30	7	3 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	264	60	9	04	930 I	854 S	12941 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	5	11	44		27	
25	5	6	36	3	3	
50	6	10	9	2	4	
75	2		31	4		
100	2		30	3	2	
150	8	2	33	3	3	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	267	60	9	04	1020 H	832 S	12728 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	16	4	32	5	4	
25	9	1	41	11		
50	11	9	58	8	2	*
75	19	16	71	11		
100	3	7	38	5	6	
150	1	9	11	1	7	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	268	60	9	05	410 H	901 S	12748 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	13	9	29	2	6
25	5	17	30	4	1
50	9	10	26	5	1
75	13	14	35	2	4
100	1	9	10	1	5
150	6	5	14	4	2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	269	60	9	05	815 I	936 S	12807 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	11	19	39	7	2 *
25	2	1	39	5	1 *
50	4	3	50	3	1
75	10	6	39	5	
100	1	2 *	40	8	1
150	8	2 *		4	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	271	60	9	05	1425 I	1004 S	12824 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	10	2 *	42	2	5
10	7	6	37	9	2 *
20	13	5	51	5	3
30	5	5	29	3	6
50	13	2	65	4	2
70	11	4	64	5	3

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	273	60	9	05	1730 I	1035 S	12843 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
		5	30	5	4 *
10	7	8	13	4	1 *
20	6	3	83	4	2
30	13	11	69	9	7
50	5	10	43	4	3
70	11	12	56	9	4 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	275	60	9	05	2130 I	1108 S	12902 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	12	7	30	6	2
10	14	5	36	9	3 *
25	16	2	92	12	8 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	276	60	9	06	145 I	1138 S	12920 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	1	10	18	3	4
15	5	6	34	5	1
30	16	20	50	8	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	281	60	9	12	1440 H	1343 S	12442 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	4	7	12	2	2
10	4	1 *	15	1	6
20	8	2	48	6	4 *
30	7	5	16	6	
50	23	19	63	7	5
70	15	5	39	10	3 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	282	60	9	12	1840 H	1322 S	12426 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	4	14	15	6	3
25	5	4	26	3	1
50	24	11	46	6	5
75	14	3	42	5	4 *
100	8	2	47	4	1
150	6	3	35	4	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	283	60	9	12	2120 H	1250 S	12415 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	6	4	24	5	2	*
25	2	1	23	4		
50	14	5	36	7	1	*
75	21	6	49	8		
100	10	4	27	6	1	*
150	4	4	9	4	1	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	284	60	9	13	50 H	1218 S	12403 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	1	1	25	3	
10	3	11	29	3	3
20	10	8	51	5	1
30	11	10	47	6	1
50	19	12	82	9	
70	10	4	45	5	2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	285	60	9	13	325 J	1154 S	12347 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	6	6	52	12	7 *
25	7	4	26	3	5
50	5	11	33	2	4
75	4	12	24	3	2
150	1	9	22	2	3

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	286	60	9	13	915 H	1109 S	12325 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	6	3	53	3	1 *
25	6	5	34	6	1 *
50	6		25	8	2 *
75	20	12	26	4	6
100	10	2	47	4	3 *
150	6	5	30	5	1 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	292	60	9	14	1000 H	1119 S	11841 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	13	12	16	5	4
25	8	5	32	5	1
50	31	19	94	9	2
75	18	17	12	6	1 *
100	10	9	19	6	3
150	6	6	21	4	3

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	295	60	9	14	2200 H	1301 S	11927 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	3	3	31	4	1 *
25	2	2	26	4	1 *
50	5	4	24	6	1 *
75	7	6	37	3	4
100	15	3	77	7	4 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	297	60	9	15	700 H	1332 S	11950 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	2	4	24	3	2
25	7	7	29	4	1 *
50	6	3	21	3	2
75	6	3	21	3	2
100	6	8	15	4	1
150		4	21	1	2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	299	60	9	15	1445 H	1449 S	12024 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	6	5	34	5	
25	7	4	26	6	1 *
50	10	14	18	5	1 *
75	8	6	41	6	2
100	12	10	46	7	4
150		5	29	4	3 *

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	301	60	9	15	2215 H	1541 S	12051 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	4	2	11	3	1 *
25	2	5	30	7	3 *
50	12	6	44	5	
75	11	8	39	6	1
100	6	3	22	4	
150	6	7	12	4	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	303	60	9	16	110 H	1607 S	12105 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	6	5	30	5	1 *
10	5	4	24	3	
20	7	3	22	4	
30	7	3	22	4	
40	12	6	40	4	1
50	31	14	83	9	2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	304	60	9	16	410 H	1635 S	12119 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	10	7	47	6	
10	15	7	51	6	1
20	19	11	64	9	1 *
30	10	6	42	3	3

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	305	60	9	16	705 H	1700 S	12133 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	10	2	48	3	2
10	9	8	12	4	2
20	11	8	49	6	
30	14	12	44	8	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	306	60	9	16	920 H	1725 S	12142 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	3	22	4	
10	11	9	31	5	4 *
20	11	6	41	5	
30	10	3	26	4	2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	312	60	9	17	750 H	1942 S	11745 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	22	9	56	9	2	*
25	13	6	44	5	1	
50	7	3	22	4	1	
75	11	3	38	6	1	*
100	8	4	17	3	2	
150	16	12	19	7	2	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	313	60	9	17	1055 H	1916 S	11729 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	5	4	26	4	
25	5	4	26	4	
50	21	9	65	6	3
75	8	4	17	3	2
100	10	7	46	5	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	314	60	9	17	1415 H	1850 S	11719 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	4	4	24	4	1	*
25	4	3	22	4		*
50	12	7	44	5	1	
75	5	4	36	3	1	
100	6	5	33	5		*
150	4	4	23	4	1	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	315	60	9	17	1615 H	1820 S	11705 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	3	4	16	4		*
25	4	3	22	5	2	*
50	4	3	21	2		
75	9	9	11	3	1	
100	13	7	38	6	1	
150	4	4	23	3	1	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	317	60	9	18	40 H	1726 S	11641 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	3	3	18	3		*
25	4	3	22	4		*
50	4	3	22	4		*
75	9	7	35	4	2	
100	8	3	32	4		
150	4	4	3	1	3	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	319	60	9	18	645 H	1626 S	11615 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	4	4	24	3	1	*
25	3	4	15	4		*
50	5	4	27	3	1	
75	17	8	56	6	3	
100	10	9	54	6	2	
150	10	3	56	8	2	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	321	60	9	18	1615 H	1535 S	11556 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	5	4	26	4	1	
25	5	5	29	5	2	
50	8	4	27	5	2	*
75	6	5	23	6	2	*
100	8	7	44	4	2	
150	4	3	21	3		

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	323	60	9	19	1 H	1445 S	11522 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	4	4	15	2		
25	5	4	26	4	1	
50	4	3	21	3		
75	12	7	36	5		
100	8	5	19	3	2	
150	5	5	32	6	2	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	325	60	9	19	845 H	1343 S	11449 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	4	4	15	3	*
25	4	4	15	3	1 *
50	4	4	24	5	3
75	5	3	21	3	
100	8	5	45	2	3
150	3	2	24	3	*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	327	60	9	19	1920 H	1224 S	11418 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	1	1	5	2	1
25	4	3	22	4	2 *
50	4	2	25	3	
75	9	7	46	5	1
100	9	6	39	4	1
150	3	2	24	3	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	329	60	9	20	715 H	1053 S	11332 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	5	5	4	3	1
25	7	6	39	4	1
50	13	5	39	4	3
75	13	6	40	4	3
100	6	3	20	4	
150	4	3	21	3	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	334	60	9	21	610 G	1243 S	10908 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	9	7	33	5	
25	13	4	43	4	2
75	16	5	38	5	3
100	6	3	20	2	4
150	2		11	3	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	336	60	9	21	1630 G	1403 S	11015 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	9	7	33	4	
25	4	3	17	1	3
50	20	10	36	6	3
75	24	9	45	6	3
100	14	5	39	5	2
150	9	2	19	3	3

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	339	60	9	22	140 G	1529 S	11053 E

DEPTH	CHLOROPHYLL			ASTACIN	NON ASTACIN
	a	b	c		
	11	6	42	4	1
25	13	8	31	5	1
50	13	6	33	4	4
75	14	8	41	4	4
100	9	7	12	2	4
150	3	4	24	3	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	341	60	9	22	1115 G	1621 S	11127 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	4	4	23	4	1 *
25	4	3	21	3	*
50	18	11	76	12	*
75	8	3	22	4	1
100	10	7	46	5	1
150	4	4	24	4	1

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	343	60	9	22	2120 G	1733 S	11202 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN
	4	5	1	1	2
25	5	1 *			
50	11	7	16	4	2
75	16	8	41	7	2
100	9	6	27	4	1
150	8	5	24	3	2

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	345	60	9	23	710 H	1900 S	11246 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	4	2	48	4	1	*
25	9	2	18	3	2	
50	18	9	34	5	3	
75	19	7	38	4	6	
100	14	7	35	4	3	
150	5	3	21	3	2	

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	346	60	9	23	1320 H	1959 S	11315 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	4	3	17	1	2	
25	4	3	29	4	1	*
50	20	10	46	5	4	
75	11	6	39	2	3	
100	3	3	21	2	1	
150	2	3	19	3		*

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	2	349	60	9	24	115 H	2140 S	11400 E

DEPTH	CHLOROPHYLL a	CHLOROPHYLL b	CHLOROPHYLL c	ASTACIN	NON ASTACIN	
	15	5	24	5	2	
25	15	5	24	3	3	
50	11	2	22	4	2	
75	16	5	38	4	3	
100	13	9	61	6	1	
150	6	2	17	8	2	*

DATA

PART 5

PHYTOPLANKTON

EXPLANATION OF HEADINGS

Part 5 Phytoplankton

SHIP	The figures 11 are used to designate Diamantina.
CRUISE	Cruise numbers are allotted each year, beginning with 1 for the first cruise.
STATION	Stations are numbered consecutively for each ship for each year.
TIME	Given in Zone Time (Table 2).
LATITUDE LONGITUDE	The position of each station is given in degrees and minutes.
DEPTH	Actual sampling depth given in metres, a blank indicates 0 m.
ORGANISMS WITH CHLOROPHYLL / ORGANISMS WITHOUT CHLOROPHYLL	The counts of organisms with and without chlorophyll are expressed as log numbers per litre.
TOTAL PARTICLES	The counts of total particles are expressed as log numbers per litre.

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	117	60	7	12	1900 G	3201 S	10957 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	640
25		560	648
50		578	640
75		548	618
100		578	617
150		560	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	120	60	7	13	815 G	3200 S	10734 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		585	630
25		611	623
50		570	630
75		600	640
100		590	640
150		578	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	125	60	7	14	730 G	3159 S	10329 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	600
25		578	618
50		595	630
150		570	626

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	129	60	7	15	200 G	3112 S	9915 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		578	618
25		530	600
75		570	618
100		560	600
150		530	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	131	60	7	15	1230 F	3041 S	9730 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	604
25		530	590
50		570	590
75		548	578
100		578	618
150		548	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	16	745 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		600	608
25		560	600
50		570	620
75		600	615
100		578	590
150		578	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	16	900 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		578	608
25		560	600
50		548	618
100		548	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	16	1200 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		611	618
25		578	600
50		585	600
100		590	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	16	1500 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		578	620
25		585	614
50		590	590
100		585	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	16	1800 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		595	600
25		570	590
50		578	590
100		585	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	16	2100 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		615	629
25		608	615
50		530	590
100		595	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	17	1 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	618
25		620	611
50		585	600
100		600	615

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	17	600 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	590
25		570	590
50		570	608
75		578	608
100		595	618
150		548	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	17	900 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	578
25		560	590
50		548	590
100		590	604

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	17	1300 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		590	608
25		578	608
50		578	615
100		604	615

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	17	1500 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	600
25		585	611
50		600	608
100		570	595

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	133	60	7	17	1830 F	2940 S	9447 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	590
25		604	608
50		608	618
100		630	628

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	136	60	7	18	700 F	2723 S	9501 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		530	590
25		570	608
50		548	608
75		578	608
100		560	600
150		548	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	139	60	7	18	2000 F	2534 S	9512 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	590
25		585	608
50		560	600
75		578	618
100		590	626
150		570	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	142	60	7	19	1200 F	2223 S	9500 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		590	590
25		606	600
50		611	620
75		600	615
100		590	600
150		530	595

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	143	60	7	20	800 F	1947 S	9456 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	618
25		570	600
50		578	595
75		611	626
100		560	608
150		530	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	143	60	7	20	900 F	1947 S	9456 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		585	608
25		578	608
50		578	600
100		530	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	143	60	7	20	1200 F	1940 S	9437 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	600
25		604	615
50		560	618
100		570	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	143	60	7	20	1500 F	1941 S	9435 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	626
25		608	630
50		578	634
100		615	634

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	143	60	7	20	1800 F	1914 S	9435 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		585	620
25		570	626
50		600	608
75		560	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	145	60	7	22	500 F	1727 S	9453 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	590
25		570	600
50		530	590
75		548	608
100		530	611
150		530	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	148	60	7	22	2130 F	1502 S	9504 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	590
25		530	590
50		570	600
75		585	618
100		548	600
150		595	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	151	60	7	23	1330 F	1241 S	9504 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		530	604
25		530	615
50		530	585
75		500	618
100		578	608
150		595	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	155	60	7	24	1300 F	1000 S	9500 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	608
25		530	600
50		560	590
75		578	590
100		585	600
150		585	615

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	174	60	8	06	600 F	200 N	9412 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		585	618
25		590	630
50		560	620
100		600	626
150		578	626

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	174	60	8	06	900 F	200 N	9412 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		590	608
25		560	600
50		570	600
100		595	615

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	174	60	8	06	1500 F	200 N	9412 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		604	630
25		590	638
50		578	638
100		595	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	177	60	8	06	600 F	4 S	9507 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		595	618
25		530	600
50		578	590
75		585	600
100		585	600
150		590	611

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	177	60	8	07	900 F	4 S	9507 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		590	590
25		570	615
50		600	608
100		570	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	177	60	8	07	1500 F	4 S	9507 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
25		604	620
100		570	615
		595	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	177	60	8	07	1800 F	4 S	9507 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
28		585	608
50		908	618
100		570	600
		585	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	182	60	8	08	1200 F	203 S	9500 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	600
30		590	590
50		578	590
70		560	600
90		600	608
105		600	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	186	60	8	09	1200 F	500 S	9440 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	615
25		585	600
50		604	618
75		630	626
100		636	626
150		615	638

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	186	60	8	09	900 F	500 S	9440 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		590	600
25		570	590
50		590	578
100		615	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	186	60	8	09	1200 F	500 S	9440 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		600	608
25		600	618
50		595	608
75		604	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	186	60	8	09	1500 F	500 S	9440 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
25		585	600
50		615	616
100		615	523
		636	634

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	186	60	8	09	1800 F	500 S	9440 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
25		578	590
50		578	600
100		618	615
		600	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	194	60	8	14	1400 G	543 S	10623 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		654	690
100		654	700
200		648	700

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	195	60	8	15	300 G	658 S	10433 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		600	608
25		611	600
75		604	618
100		590	600
150		590	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	197	60	8	15	1200 G	735 S	10539 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		600	618
25		604	626
50		578	611
75		578	600
100		578	600
150		560	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	200	60	8	15	2300 G	814 S	10743 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		618	618
25		600	626
50		590	618
75		590	608
100		615	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	203	60	8	16	1200 G	845 S	10923 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		615	608
25		585	600
50		560	590
75		600	600
100		570	600
150		590	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	206	60	8	17	1 G	910 S	11126 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	590
30		570	595
50		504	608
65		600	608
75		595	608
85		585	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	214	60	8	18	1200 H	801 S	11600 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		595	608
20		634	620
35		636	640
45		590	608
60		608	608
75		620	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	221	60	8	19	1645 H	901 S	11946 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		623	608
25		608	608
50		600	618
75		615	608
100		634	626
150		590	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	225	60	8	20	1104 H	915 S	12225 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	608
20		580	608
30		578	615
40		570	615
50		570	608
65		570	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	233	60	8	22	830 I	746 S	12845 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		615	618
20		620	618
35		620	608
45		626	618
60		590	600
75		630	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	235	60	8	22	2030 I	815 S	12947 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		585	608
25		578	608
50		590	608
75		585	518
100		595	608
150		578	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	239	60	8	23	1200 I	1004 S	13157 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	618
10		630	626
30		630	626
50		640	630
70		608	640

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	242	60	8	24	1 I	1003 S	13406 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		595	600
25		585	600
50		600	608
75		608	608
100		618	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	245	60	8	24	1200 I	1000 S	13600 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	590
10		590	608
20		590	608
30		600	608
40		600	608
40		578	600
50		618	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	248	60	8	25	1 I	1004 S	13805 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
	5300	578	618
20	5000	590	626
30	5000	585	630
40		608	640

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	251	60	8	25	1200 I	1007 S	14000 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
	5000	615	626
10	5000	604	618
20	5300	618	630
30	5000	615	630
40	5300	651	648

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	253	60	8	31	1 K	903 S	14446 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		585	600
10	5000	600	608
20	5000	615	626
30	0	600	615
50	0	595	608
70	0	604	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	254	60	9	10	630 I	1208 S	13946 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		595	608
10		578	615
20		595	615
30		618	615
40		585	608
50		578	615

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	255	60	9	01	1530 I	1310 S	13858 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		600	590
10	5000	608	600
20	5000	600	600
30	5000	611	608
40	5300	611	620
50	5300	600	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	256	60	9	02	300 I	1130 S	13800 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	590
10		570	600
20	5300	630	654
30		570	600
40		585	600
50	5300	620	668

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	258	60	9	03	1000 I	800 S	13400 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		600	626
10		595	620
20		578	615
30		570	615
40		600	615
50	5000	615	626

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	260	60	9	03	2000 I	805 S	13148 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
	5300	600	615
25	5000	578	608
50		585	608
75		595	600
100		600	615
150		595	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	264	60	9	04	900 I	854 S	12941 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	600
25		585	615
50		570	600
75		570	590
100		560	590
150		578	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	267	60	9	04	2205 H	832 S	12728 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
	5000	578	600
25	5000	548	600
50	5000	585	615
75		570	600
100		585	608
150		585	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	269	60	9	05	800 I	936 S	12807 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	590
25		548	600
50		560	600
75		578	600
100		585	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	271	60	9	05	1400 I	1004 S	12824 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	600
10		590	618
20		595	608
30		578	608
50	5000	595	626
70	5300	618	640

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	273	60	9	05	1740 I	1035 S	12843 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		618	618
10		585	608
20		570	608
30		578	608
50		560	600
70		600	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	275	60	9	05	2125 I	1108 S	12902 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
	5000	626	630
10		630	638
25		630	654

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	276	60	9	06	120 I	1138 S	12920 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		578	600
15		578	608
30	5300	618	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	281	60	9	12	1437 H	1344 S	12440 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	615
10		623	620
20		590	608
30		578	608
50		560	615
70		585	630

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	282	60	9	12	1836 H	1322 S	12426 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		530	590
25		560	600
50		560	608
75		595	618
100		600	608
150		600	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	283	60	9	12	2120 H	1250 S	12415 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	600
25		585	608
75		585	608
100		560	600
150		590	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	284	60	9	13	40 H	1218 S	12403 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	590
10		585	600
20		560	608
30		560	600
50		560	608
70		600	620

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	286	60	9	13	820 H	1109 S	12325 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	608
25		548	600
50		560	608
75		590	608
100		608	618
150		608	620

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	292	60	9	14	800 H	1119 S	11841 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
	5000	590	608
25		560	590
50	5000	578	595
75	5000	608	618
100		560	600
150		548	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	295	60	9	14	2140 H	1301 S	11927 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	590
25		570	590
50		578	590
75		560	600
100		548	590
150		560	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	297	60	9	15	600 H	1332 S	11950 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	590
25		585	608
50		590	608
75		590	600
100		560	600
150		585	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	299	60	9	15	1400 H	1449 S	12024 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	590
25		570	590
50		570	595
75		585	608
100		548	600
150		570	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	301	60	9	15	2150 H	1541 S	12051 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	590
25		548	590
50		560	608
75		585	615
100		595	615
150		618	626

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	303	60	9	16	100 H	1607 S	12105 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	600
10		560	600
20	5000	560	600
30	5000	548	600
40	5300	590	618
50	5300	590	626

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	304	60	9	16	400 H	1635 S	12119 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
	5000	595	608
10	5300	578	620
20		585	608
30		608	626

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	305	60	9	16	700 H	1700 S	12133 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
	5000	595	620
10		570	615
20		570	615
30		560	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	306	60	9	16	911 H	1725 S	12142 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
10		548	600
30		560	600
		595	615

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	312	60	9	17	750 H	1942 S	11745 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	600
10		585	600
20		585	600
30		585	600
40		590	608
50		560	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	313	60	9	17	1045 H	1916 S	11729 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	590
25		570	608
50		595	608
75		604	608
100		615	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	314	60	9	17	1400 H	1850 S	11719 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		590	590
25		560	590
50		570	600
75		570	608
100		560	600
150		530	590

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	315	60	9	17	1742 H	1820 S	11705 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		578	590
25		548	578
50		590	595
75		590	615
100		578	608
150		595	620

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	319	60	9	18	635 H	1626 S	11615 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		530	578
25		560	595
50		560	590
75		560	590
100		560	600
150		570	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	321	60	9	18	700 H	1535 S	11556 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		578	590
25		585	590
50		570	595
75		590	608
100		560	608
150		585	620

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	323	60	9	19	1430 H	1445 S	11522 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		595	608
25		590	608
50		548	600
75		585	600
100		608	618
150		638	626

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	325	60	9	19	2330 H	1343 S	11449 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		578	600
25		560	600
50		585	608
75		548	590
100		530	590
150		585	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	327	60	9	19	930 H	1224 S	11418 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	590
25		570	590
45		578	590
75		595	600
100		608	608
150		608	608

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	329	60	9	20	500 H	1053 S	11332 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	590
25		548	600
50	5000	604	615
75		570	608
150		578	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	334	60	9	21	430 G	1243 S	10908 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		608	618
25		600	608
50		585	590
75		578	590
100		578	600
150		578	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	336	60	9	21	1515 G	1403 S	11015 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	600
25		570	608
50		548	590
75		608	608
100	5000	611	615
150		620	618

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	339	60	9	22	115 G	1529 S	11053 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	590
25		570	590
50		585	600
75		560	608
100		585	608
150		570	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	341	60	9	22	949 G	1621 S	11127 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	578
25		570	590
50		560	590
75		585	604
100	5000	590	608
150		590	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	343	60	9	22	2100 G	1733 S	11202 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		570	585
25	5000	590	600
50	5000	590	600
75		548	578
100		578	590
150		585	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	345	60	9	23	615 H	1900 S	11246 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		560	585
25		548	578
50		548	590
75		578	590
100		570	595
150		548	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	346	60	9	23	1300 H	1959 S	11315 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		530	578
25		530	590
50		548	590
75		590	600
100		595	608
150		600	620

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	348	60	9	23	1900 H	2044 S	11333 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		530	578
25		560	595
50		548	595
75		570	608
100		585	600
150		548	600

SHIP	CRUISE	STATION	YEAR	MONTH	DAY	TIME	LATITUDE	LONGITUDE
11	02	349	60	9	24	120 H	2140 S	11400 E

DEPTH	ORGANISMS		TOTAL PARTICLES
	WITH CHLOROPHYLL	WITHOUT CHLOROPHYLL	
		548	590
25		548	590
50		578	595
75		578	600
100	5000	600	615
150		600	608

TABLE 3

OCCURRENCE OF DINOFLAGELLATES

Numbers refer to stations at which organisms were found. Numbers in brackets indicate depths (m) at which samples were collected. (H) modified Hardy indicator.

Amphisolenia bidentata 129(0-150), 133, 142(0-150), 165, 168, 174(0-100), 177(0-100), 178(0-150), 186, 197(0-150), 214, 221(0-150), 223(0), 230(0), 231(0), 239(0-70), 242(0-75), 248(0-40).
A. brevicauda 177, 306, 312, 319.
A. clavipes 186.
A. globifera 174.
A. lemmermanni 143, 174, 167(0), 189(0).
A. rectangulata 165(H).
A. schauinslandii 275.
A. schroederi 201(0).
A. thrinax 135(0), 148(0-150).

Blepharocysta paulseni 143, 145, 155, 164(0), 177, 186, 200, 206(0), 217(0), 219, 221, 231(0), 243, 313, 317, 319, 332(0).
B. splendor maris 148, 152, 162(0), 163(0), 194, 299.

Centrodinium eminens 297, 322(0).
C. intermedium 297.

Ceratium azoricum 208.
C. belone 242
C. bigelowi 257(0-50).
C. breve 165(H), 177, 194, 226, 227, 231, 261(0), 266(0), 267, 269, 271.
C. buceros 133, 145, 165,170(0), 171(0), 183(0), 239, 312, 339, 341, 346, 348.
C. candelabrum 197.
C. carriense 133, 177, 182, 225, 229, 254, 277, 283, 312
C. cephalotum 345.
C. concilians 253, 312.
C. contortum 133, 165, 174, 177, 186, 197, 253, 283, 284.

Ceratium declinatum 137, 138, 145, 186, 197, 211, 212, 219, 221, 253, 269, 270, 271, 283, 290, 298, 313, 328, 332, 341, 345.

Goniaulax glyptorhynchus 133(0-100), 143(0-100), 174(0-100), 190(0), 219(0-65), 283(0-150), 299(0-150), 346(0).
G. hyalina 174(0-150).
G. kofoidi 133(0-100), 142(0-150), 155(0-150), 177(0-150), 225(0-65), 297(0-150), 301(0-150), 329(0-150).
G. minima 135(0), 137(0), 174(0-150), 254(0-50).
G. monacantha 133(0-100), 208(0-85), 228(0), 267(0-150), 269(0-150), 303(0-50).
G. pacifica 133(0-100), 143(0-150).
G. polyedra 133(0-100), 143(0-100), 177, 197(0-150), 208(0-85), 232(0), 241(0), 268(0-150), 276(0-30), 285(0-150), 299(0-150).
G. polygramma 297(0-150).
G. scrippsae 143(0-100), 203(0-150), 254(0-50), 255(0-50), 336(0).
G. spinifera 164(0), 174(0-100), 197(0-150), 198(0-150), 255(0-50), 281(0-70), 283(0-150).

Goniodoma polyedricum 133(0-150), 135(0), 136(0-150), 143(0-100), 148(0-150), 151(0-150), 162(0), 165(H), 186(0-100), 188(0), 200(0-150), 203(0-150), 204(0), 206(0), 211(0-150), 214(0-75), 218(0), 221(0-150), 223(0), 227(0), 233(0-75), 235(0), 243(0), 245(0-50), 249(0), 255(0-50), 261(0), 267(0-150), 270(0), 271(0-70), 273(0-70), 279(0), 281(0-70), 283(0-150), 286(0-150), 313(0-150), 322(0), 323(0-150), 328(0), 329(0-150), 335(0), 339(0-150), 341(0-150), 343(0-150), 348(0-150).

Gymnodinium galaeiforme 188(0).
G. marinum 143(0-100).
G. simplex 143(0-100), 148(0-150), 290(0).

Heterodinium australe 269(0-150), 276.
H. dispar 297(0-150), 327(0-150).
H. ridgeni 177(0-100).
H. scrippsi 283(0-150).

Histoneis cerasus 174(0-150).
H. costata 253(0-70).
H. dolon 151(0-150).
H. elongata 198(0-150), 241(0), 276(0-30).
H. helenae 174(0-100).
H. hyalina 143(0-100), 177, 237(0), 284(0-70).
H. inclinata 133(0-100).

Pyrocystis obtusa 190, 261, 311, 327.
P. pseudonoctiluca 143, 177, 254, 264, 349.
P. robusta 186, 267, 349.

Pyrophacus horologicum 145, 148, 174, 194, 198, 248, 254, 267, 276.

TABLE 4

OCCURRENCE OF DIATOMS

Numbers refer to stations at which organisms were found. Numbers in brackets indicate depths (m) at which samples were collected. (H) modified Hardy indicator.

Actinoptychus adriaticus 225(0-65), 336(0).
A. brunii 276.
A. maculatus 292.
A. macraei 276.
A. senarius 143(0-150), 148(0-150), 168, 169(0), 171(0), 186(0-150), 211(0-150), 245(0-50), 248(0-40), 249(0), 254(0-50), 255(0-65), 257(0-50), 258(0-150), 271(0-70), 275(0-25), 281(0-70), 282, 283, 306(0-30).
A. splendens 221(0-150), 275(0-65).

Amphiprora alata 194, 249, 276, 281.

Amphora arenaria 275.
A. dubia 194
A. hyalina 223, 246, 254, 264.
A. ovalis 282, 306.
A. proteus 275.
A. turgida 275.

Anomoeoneis brachysira 169.
A. serians 170, 169, 194, 249, 251.

Asterionella bleakleyi 143.

Asterolampra dallasiana 120, 133, 136, 143, 148, 164, 177, 255, 275, 281, 301.
A. grevillei 117, 130, 143, 145, 162, 174, 189.
A. marylandica 133(0-100), 136(0-150), 142(0-150), 143(0-100), 163(0), 165(H), 186(0-100), 253, 304(0-30), 315(0-150).

Figs 2 - 25

VERTICAL SECTIONS

Vertical sections of temperature (°C), salinity (‰), oxygen (ml/l) and inorganic phosphate (µg at./l) were prepared from data in Section IV and appear as Figures 2-25.

Figs 2-7 Vertical sections for the line of Stations 133, 136, 139, 142, 143, 145, 148. Degrees of longitude (S) indicated at bottom of sections.

Fig. 2 Temperature above 400 m.

Fig. 3 Temperature below 400 m.

Fig. 4 Salinity above 400 m.

Fig. 5 Salinity below 400 m.

Fig. 6 Oxygen concentration surface to bottom.

Fig. 7 Inorganic phosphate surface to bottom.

Figs 8-13 Vertical sections for the line of Stations 148, 151, 155, 186, 182, 177, 174. Properties as for Figs 2-7 above.

Figs 14-19 Vertical sections for the line of Stations 312, 313, 314, 315, 317, 319, 321, 324, 325, 327, 329, Properties as for Figs 2-7 above.

Figs 20-25 Vertical sections for the line of Stations 349, 348, 346, 345, 343, 341, 336, 334. Properties as for Figs 2-7 above.

DATA

PART 6

ZOOPLANKTON

DIAMANTINA Dm 2/60 ZOOPLANKTON BIOMASS IN THE UPPER 200 m. CLARKE BUMPUS OBLIQUE HAULS

STATION	DATE	TIME	LATITUDE	LONGITUDE	VOLUME FILTERED	BIOMASS mg/m^3
115	12.7.60	1055	31°59'S	111°54'E	4.7	32
125	14.7.60	1042	31°59'S	103°29'E	10.8	18
133	16.7.60	1106	29°40'S	94°47'E	14.8	7
136	18.7.60	0925	27°23'S	95°01'E	16.9	6
153	24.7.60	0940	11°15'S	95°02'E	20.5	12
153	24.7.60	1023	11°15'S	95°02'E	27.6	17
174	6.8.60	0743	02°00'N	94°12'E	21.7	15
174	6.8.60	0833	02°00'N	94°12'E	27.9	15
174	6.8.60	0951	02°00'N	94°12'E	17.5	11
177	7.8.60	0924	00°04'S	95°07'E	17.5	15
177	7.8.60	1015	00°04'S	95°07'E	8.4	18
182	8.8.60	1542	02°30'S	95°00'E	13.7	9
182	8.8.60	1635	02°30'S	95°00'E	16.5	13
186	9.8.60	0717	05°00'S	94°40'E	13.3	12
186	9.8.60	0814	05°00'S	94°40'E	25.7	12
186	9.8.60	0945	05°00'S	94°40'E	19.3	8
186	9.8.60	1039	05°00'S	94°40'E	12.5	7
208	17.8.60	0851	09°36'S	113°09'E	10.0	68
214	18.8.60	1345	08°01'S	116°00'E	12.0	34
225	20.8.60	1127	09°15'S	122°25'E	11.1	56
263	4.9.60	1057	08°51'S	129°52'E	14.7	44
286	13.9.60	1013	11°09'S	123°25'E	14.6	25
299	15.9.60	1625	14°49'S	120°24'E	16.1	21
334	21.9.60	0650	12°43'S	109°08'E	9.0	64
346	23.9.60	1410	19°59'S	113°15'E	15.2	34

DIAMANTINA Dm 2/60 ZOOPLANKTON BIOMASS IN 400-200 m. CLARKE BUMPUS OBLIQUE HAULS

STATION	DATE	TIME	LATITUDE	LONGITUDE	VOLUME FILTERED	BIOMASS mg/m^3
115	12.7.60	1055	31°59'S	111°54'E	2.4	17
125	14.7.60	1042	31°59'S	103°29'E	14.8	7
136	18.7.60	0925	27°23'S	95°01'E	18.1	3
208	17.8.60	0851	09°36'S	113°09'E	11.2	13
214	18.8.60	1345	08°01'S	116°00'E	13.8	17
225	20.8.60	1127	09°15'S	122°25'E	23.6	47
263	4.9.60	1057	08°51'S	129°52'E	25.2	21
286	13.9.60	1013	11°09'S	123°25'E	23.7	16
299	15.9.60	1625	14°49'S	120°24'E	18.8	7
334	21.9.60	0650	12°43'S	109°08'E	8.0	6

DIAMANTINA Dm 2/60 ZOOPLANKTON BIOMASS AT SURFACE CLARKE BUMPUS HORIZONTAL HAULS

STATION	DATE	TIME	LATITUDE	LONGITUDE	DEPTH m	VOLUME FILTERED	BIOMASS mg/m^3
120	17.7.60	1146	32°00'S	107°34'E	0	14.6	8
131	15.7.60	1244	30°41'S	97°30'E	0	10.6	9
133	17.7.60	0943	29°40'S	94°47'E	0	40.2	1
133	17.7.60	1026	29°40'S	94°47'E	0	45.5	18
143	20.7.60	0935	19°47'S	94°56'E	0	60.2	7
143	20.7.60	1018	19°47'S	94°56'E	0	59.8	7
143	21.7.60	0935	19°25'S	94°28'E	0	22.2	6
143	21.7.60	1010	19°25'S	94°28'E	0	33.7	4
143	21.7.60	1045	19°25'S	94°28'E	0	33.0	4
143	21.7.60	1115	19°25'S	94°28'E	0	28.9	5
151	23.7.60	1625	12°41'S	95°04'E	0	14.2	6
186	9.8.60	1543	05°00'S	94°40'E	0	31.3	12
186	9.8.60	1543	05°00'S	94°40'E	0	40.2	8
186	9.8.60	1628	05°00'S	94°40'E	0	50.3	10
186	9.8.60	1628	05°00'S	94°40'E	0	44.3	5
197	15.8.60	1305	07°35'S	105°39'E	0	11.6	9
219	19.8.60	0835	08°00'S	119°38'E	0	11.8	71

STATION	DATE	TIME	LATITUDE	LONGITUDE	DEPTH m	VOLUME FILTERED	BIOMASS mg/m^3
233	22.8.60	0845	07°46'S	128°45'E	0	22.3	104
239	23.8.60	1240	10°04'S	131°57'E	0	37.1	16
258	3.9.60	1036	08°00'S	134°00'E	0	35.9	12
269	5.9.60	0909	09°36'S	128°07'E	0	19.6	26
281	12.9.60	1530	13°43'S	124°42'E	0	49.2	17
292	14.9.60	1109	11°19'S	118°41'E	0	10.1	114
306	16.9.60	0940	17°25'S	121°42'E	0	50.1	22
313	17.9.60	1128	19°16'S	117°29'E	0	40.2	20
325	19.9.60	1100	13°43'S	114°49'E	0	15.2	18
340	22.9.60	1220	16°04'S	111°18'E	0	16.7	25
346	23.9.60	1410	19°59'S	113°15'E	0	14.7	9
120	13.7.60	1146	32°00'S	107°34'E	250	15.3	5
131	15.7.60	1244	30°41'S	97°30'E	250	9.7	4
133	16.7.60	1015	29°40'S	94°47'E	250	16.1	10
197	15.8.60	1305	07°35'S	105°39'E	250	19.2	35
219	19.8.60	0845	08°00'S	119°38'E	250	12.5	14
233	22.8.60	0845	07°46'S	128°45'E	250	11.7	14
269	5.9.60	0909	09°36'S	128°07'E	250	11.9	11
292	14.9.60	1109	11°19'S	118°41'E	250	5.1	14
325	19.9.60	1100	13°43'S	114°49'E	250	12.6	17
340	22.9.60	1220	16°04'S	111°18'E	250	18.7	19

V. FIGURES

Figs 2 - 25 Hydrology - Vertical Sections.

Figs 26 - 28 Hydrology - Horizontal Distribution of Properties.

Figs 29 - 33 Primary Production

Figs 2 - 25

VERTICAL SECTIONS

Vertical sections of temperature (°C), salinity (‰), oxygen (ml/l) and inorganic phosphate (µg at./l) were prepared from data in Section IV and appear as Figures 2-25.

Figs 2-7 Vertical sections for the line of Stations 133, 136, 139, 142, 143, 145, 148. Degrees of longitude (S) indicated at bottom of sections.

Fig. 2 Temperature above 400 m.

Fig. 3 Temperature below 400 m.

Fig. 4 Salinity above 400 m.

Fig. 5 Salinity below 400 m.

Fig. 6 Oxygen concentration surface to bottom.

Fig. 7 Inorganic phosphate surface to bottom.

Figs 8-13 Vertical sections for the line of Stations 148, 151, 155, 186, 182, 177, 174. Properties as for Figs 2-7 above.

Figs 14-19 Vertical sections for the line of Stations 312, 313, 314, 315, 317, 319, 321, 324, 325, 327, 329, Properties as for Figs 2-7 above.

Figs 20-25 Vertical sections for the line of Stations 349, 348, 346, 345, 343, 341, 336, 334. Properties as for Figs 2-7 above.

Figs 26 - 28

HORIZONTAL DISTRIBUTION OF PROPERTIES

Figures illustrating the horizontal distribution of properties at the surface, at 50 m and at 500 m were prepared from data in Section IV.

Figs 26-28		Horizontal distribution of properties.	
Fig. 26	A	Surface	Temperature
	B		Salinity
	C		Inorganic phosphate.
Fig. 27	A	50 m	Temperature
	B		Oxygen
	C		Inorganic phosphate.
Fig. 28	A	500 m	Temperature
	B		Oxygen
	C		Inorganic phosphate.

Figs 29 - 33

PRIMARY PRODUCTION

Fig. 29. Daily rates of primary production, calculated for the columns under 1 metre square from 0 - 150 m depth in $gC/day/m^2$ for each station. Figures are arranged with station number above and value below. * Depth of water less than 150 m. + Although water deeper at these stations, samples were taken down to depths of less than 150 m.

Figs 30, 31. Vertical profiles of hourly rates of primary production in $mgC/hr/m^3$ as measured in fluorescent light incubator at each station. Sampling times are given below the station number.

Fig. 32. Vertical profiles of daily rates of primary production as measured in situ. Figures given below each profile are, in order, the production in the column given in $gC/day/m^2$, the period of incubation in the day, the station number, the date and time of sampling.

Fig. 33. Vertical profiles of daily rates of primary production in $mgC/day/m^3$ as measured in a simulated in situ incubator. Figures given below each profile are, in order, the production in the column given in $gC/day/m^2$, the period of incubation in the day, the station number, the date and time of sampling.

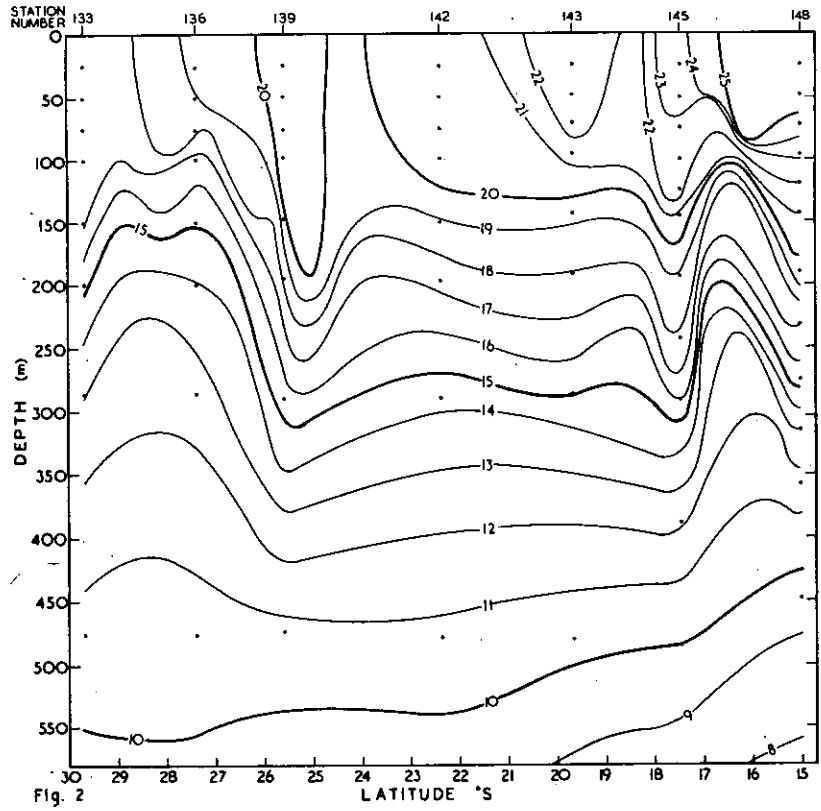

STATION NUMBER
133
136
139
142
143
145
148
DEPTH (m)
LATITUDE °S

Fig. 2

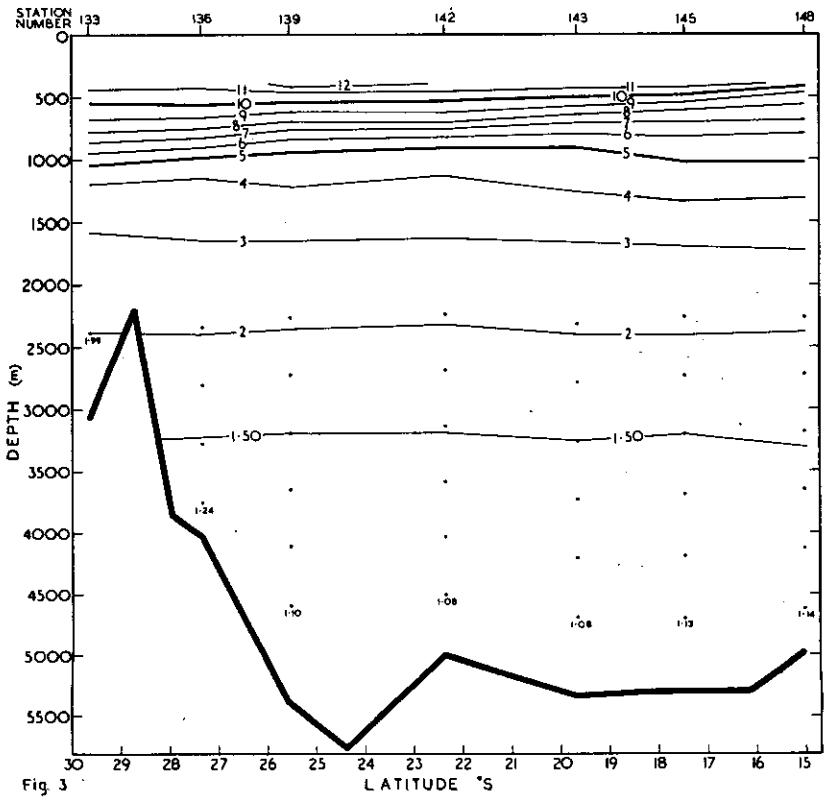

STATION NUMBER
133
136
139
142
143
145
148
DEPTH (m)
LATITUDE °S

Fig. 3

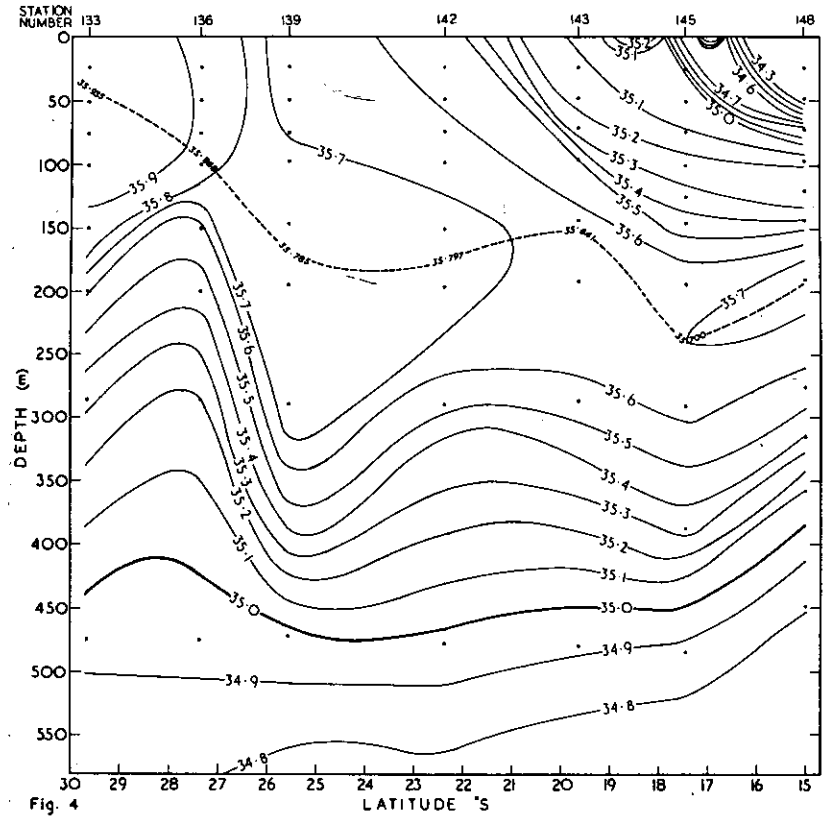

STATION NUMBER
133
136
139
142
143
145
148
DEPTH (m)
LATITUDE °S
35·9
35·8
35·7
35·6
35·5
35·4
35·3
35·2
35·1
35·0
34·9
34·8
34·7
34·6
34·3

Fig. 4

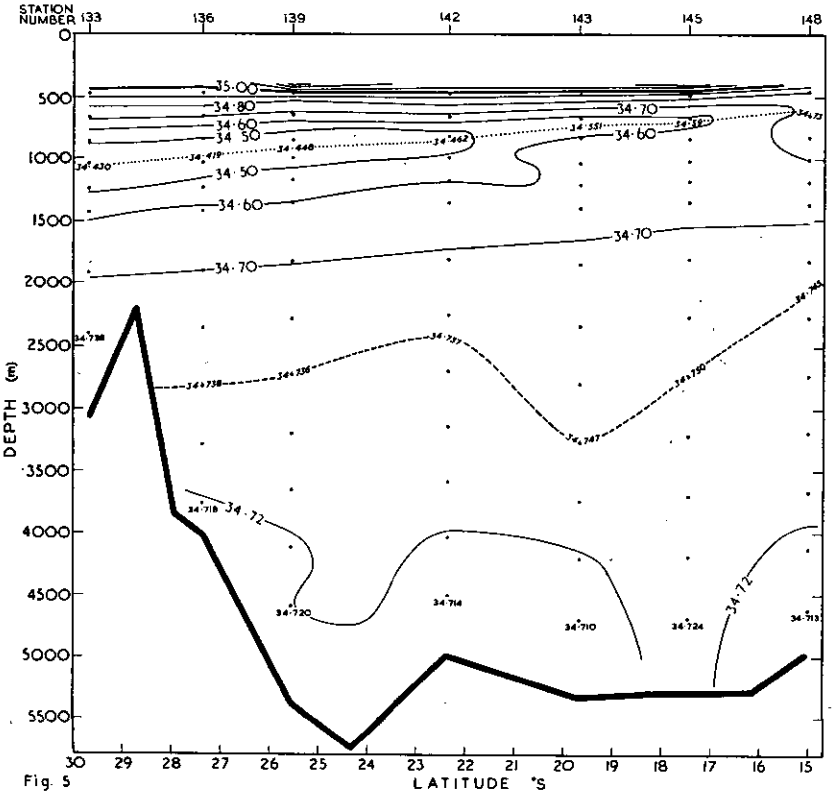

STATION NUMBER
133
136
139
142
143
145
148
DEPTH (m)
LATITUDE °S
35·00
34·80
34·60
34·50
34·70
34·72

Fig. 5

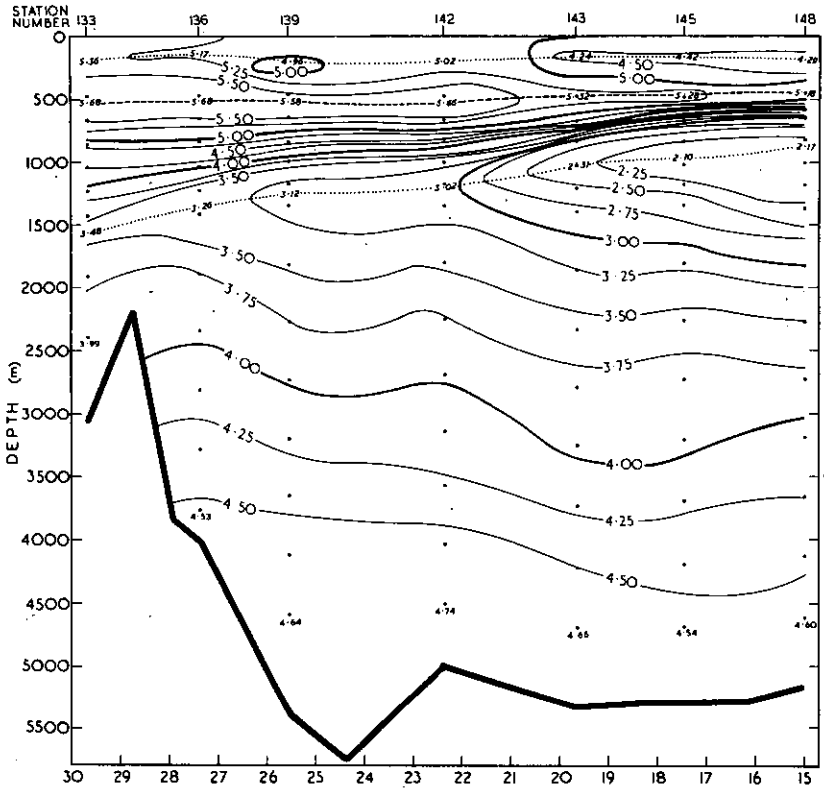

STATION NUMBER
133
136
139
142
143
145
148
DEPTH (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
5·25
5·50
5·00
4·50
4·00
3·50
3·75
3·00
3·25
2·75
2·50
2·25
4·25
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
LATITUDE °S

Fig. 6

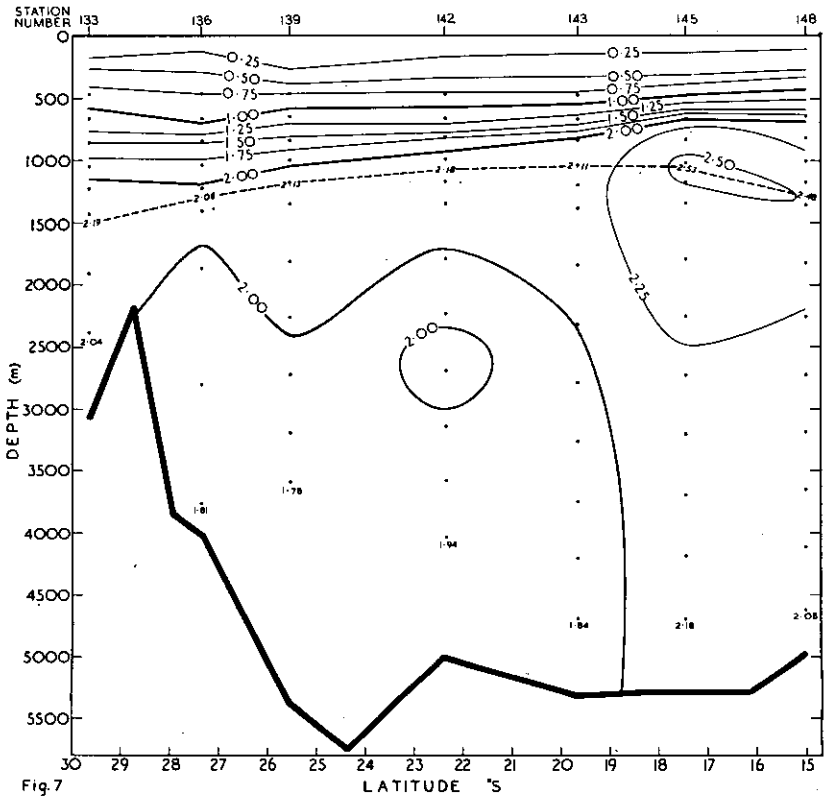

STATION NUMBER
133
136
139
142
143
145
148
DEPTH (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
0·25
0·50
0·75
1·00
1·25
1·50
1·75
2·00
2·50
2·25
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
15
LATITUDE °S

Fig. 7

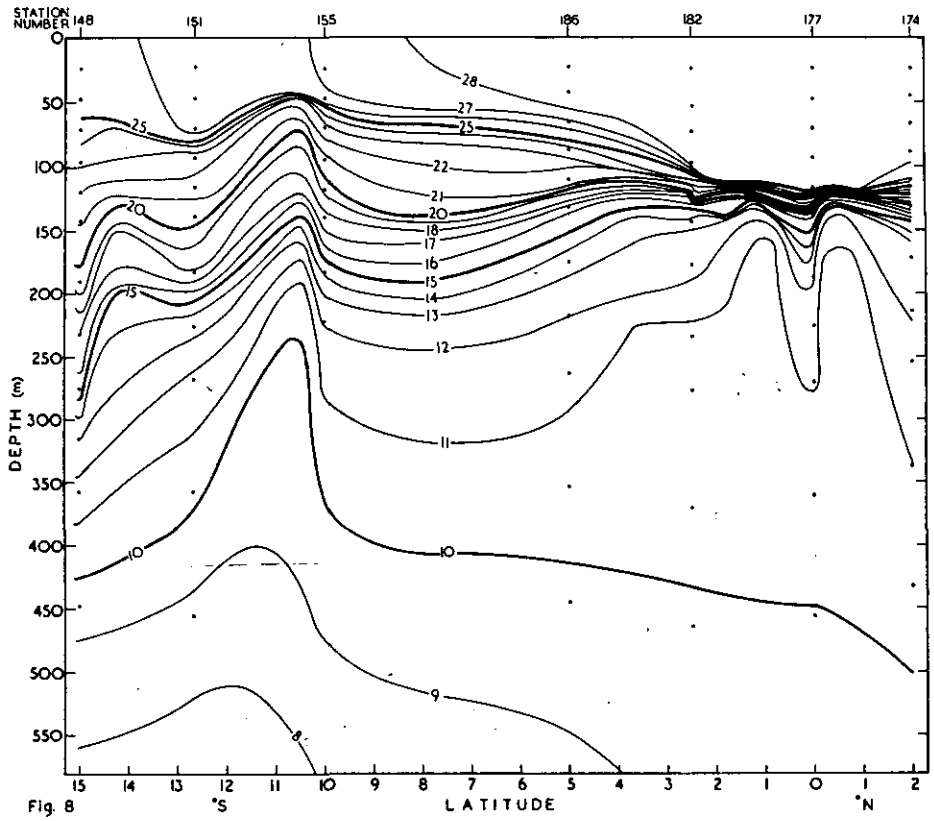

STATION NUMBER
148
151
155
186
182
177
174
DEPTH (m)
LATITUDE
°S
°N

Fig. 8

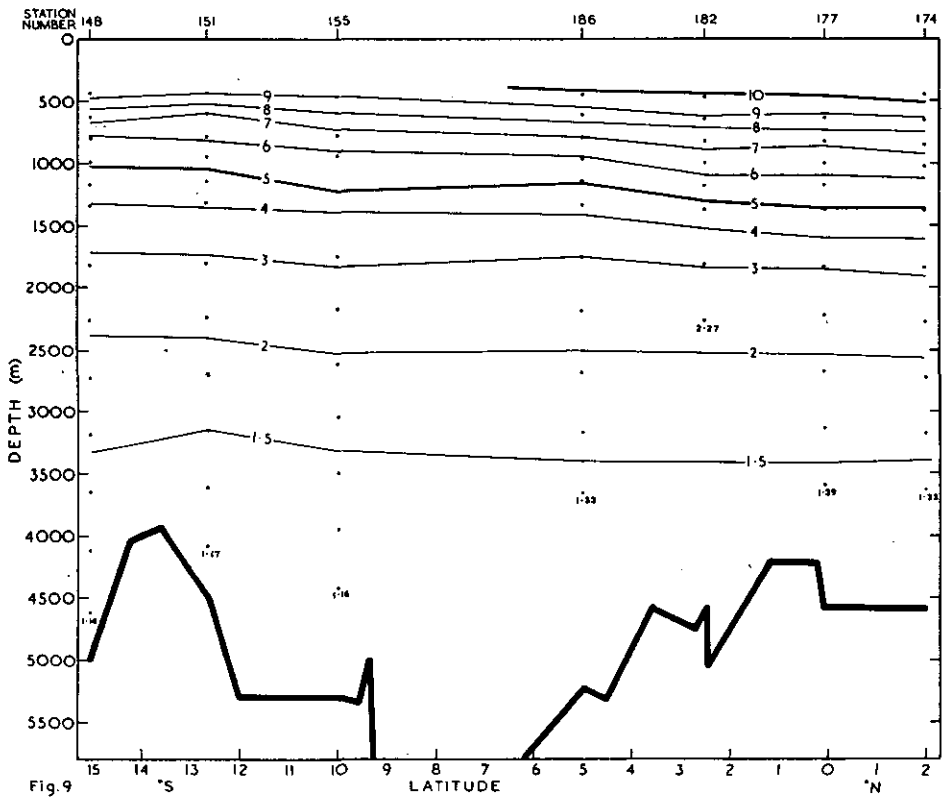

STATION NUMBER
148
151
155
186
182
177
174
DEPTH (m)
LATITUDE
°S
°N

Fig. 9

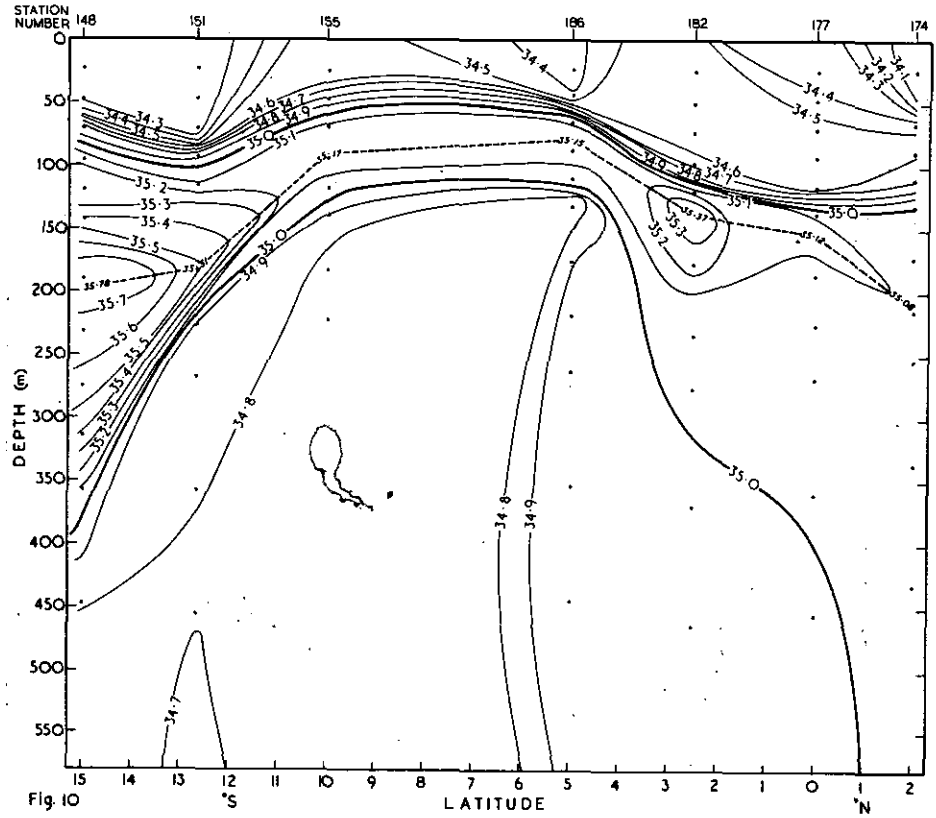

STATION NUMBER
148
151
155
186
182
177
174
DEPTH (m)
LATITUDE
°S
°N

Fig. 10

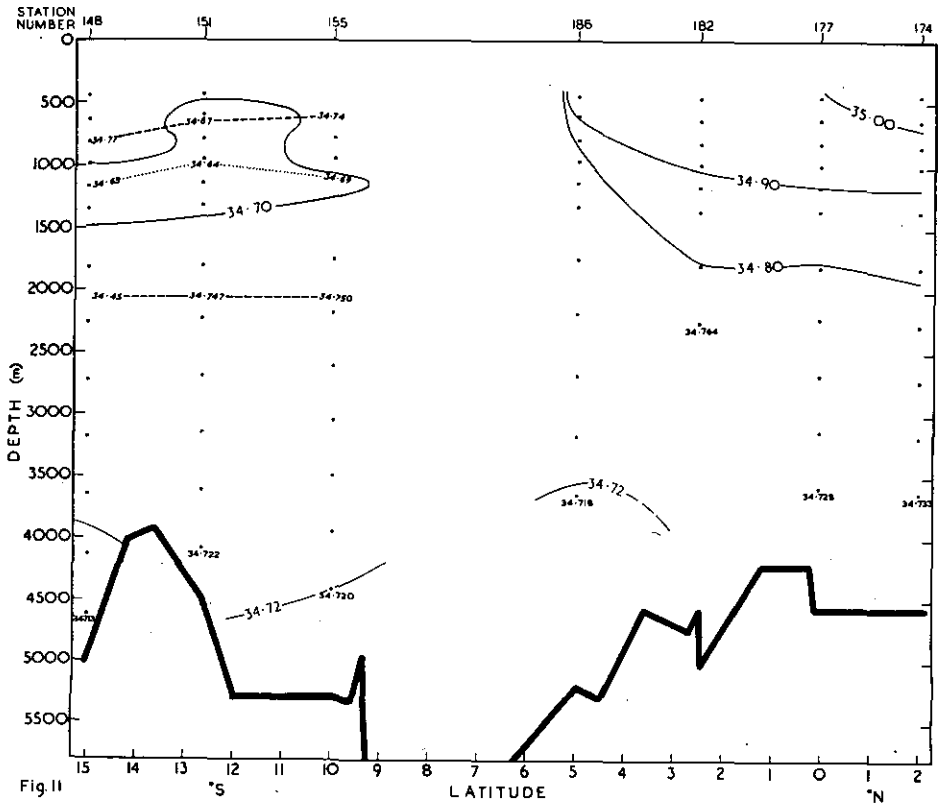

STATION NUMBER
148
151
155
186
182
177
174
DEPTH (m)
LATITUDE
°S
°N

Fig. 11

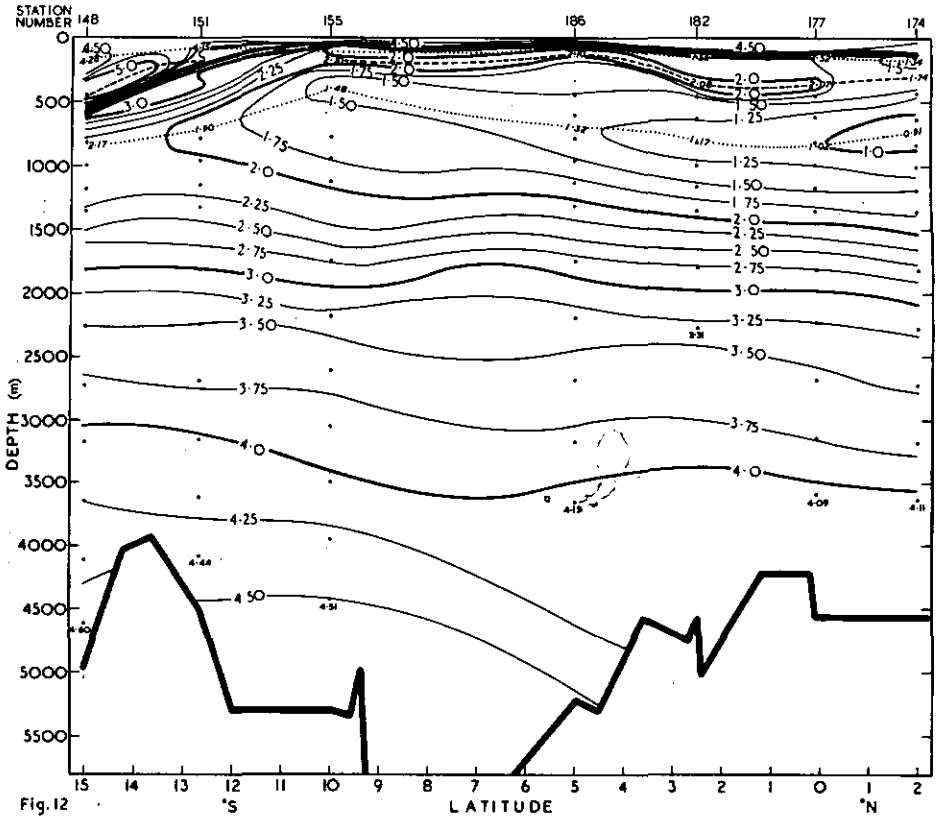

STATION NUMBER
148
151
155
186
182
177
174
DEPTH (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 1 2
°S
LATITUDE
°N

Fig. 12

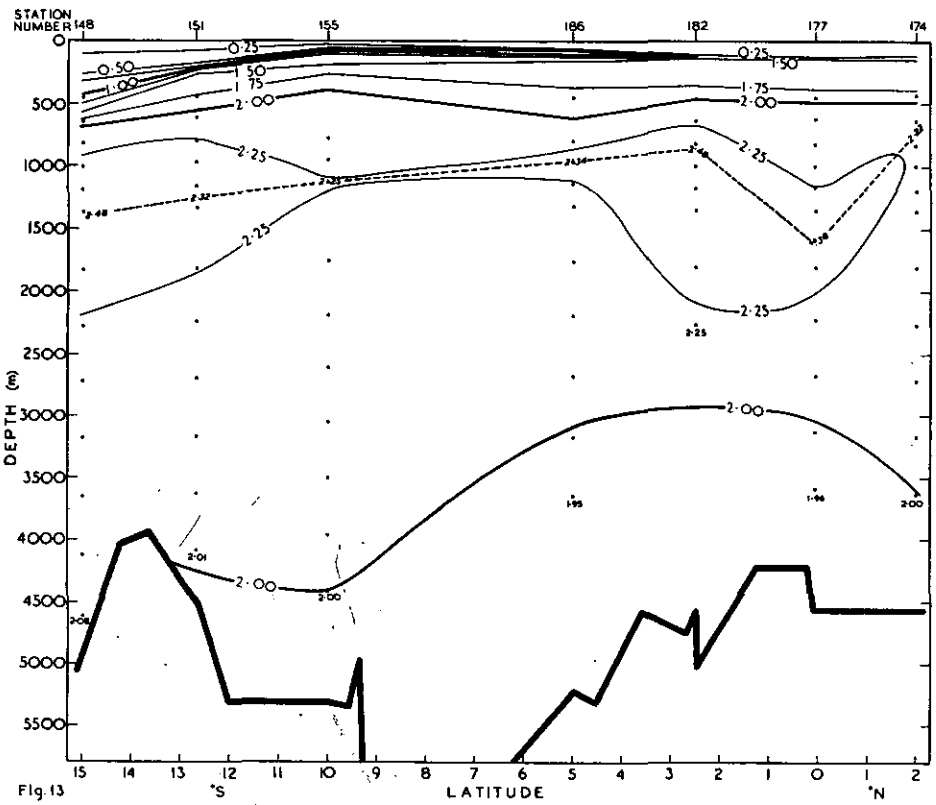

STATION NUMBER
148
151
155
186
182
177
174
DEPTH (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 1 2
°S
LATITUDE
°N

Fig. 13

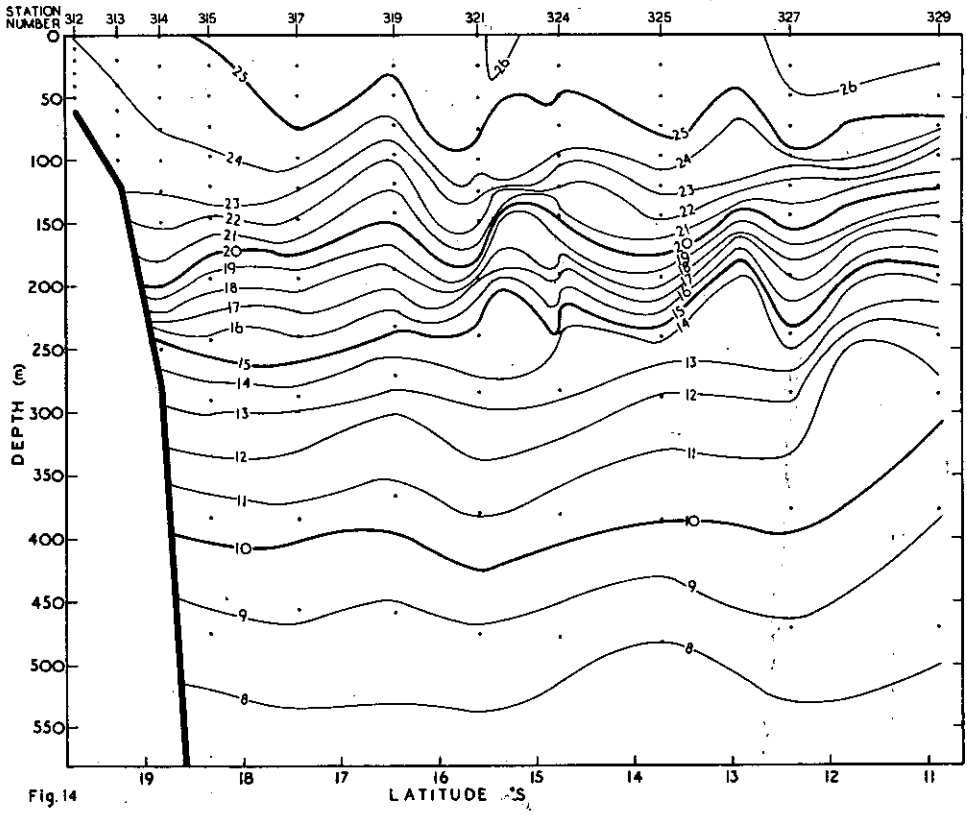

STATION NUMBER
312 313 314 315 317 319 321 324 325 327 329
DEPTH (m)
0 50 100 150 200 250 300 350 400 450 500 550
19 18 17 16 15 14 13 12 11
LATITUDE °S

Fig. 14

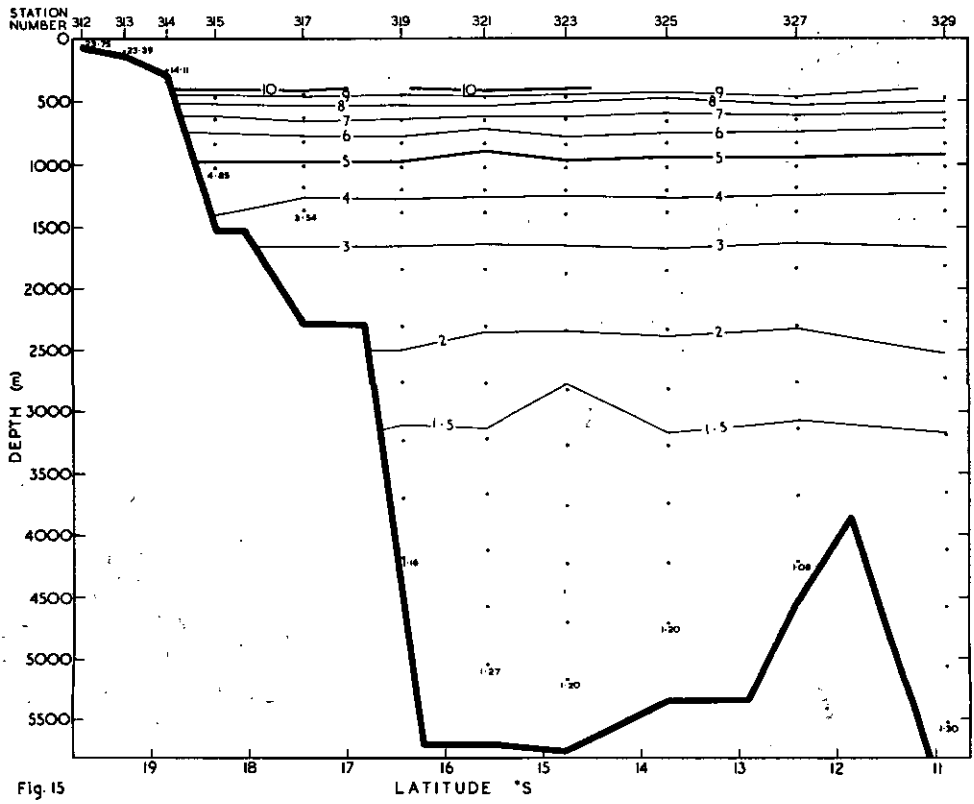

STATION NUMBER
312 313 314 315 317 319 321 323 325 327 329
DEPTH (m)
0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500
19 18 17 16 15 14 13 12 11
LATITUDE °S

Fig. 15

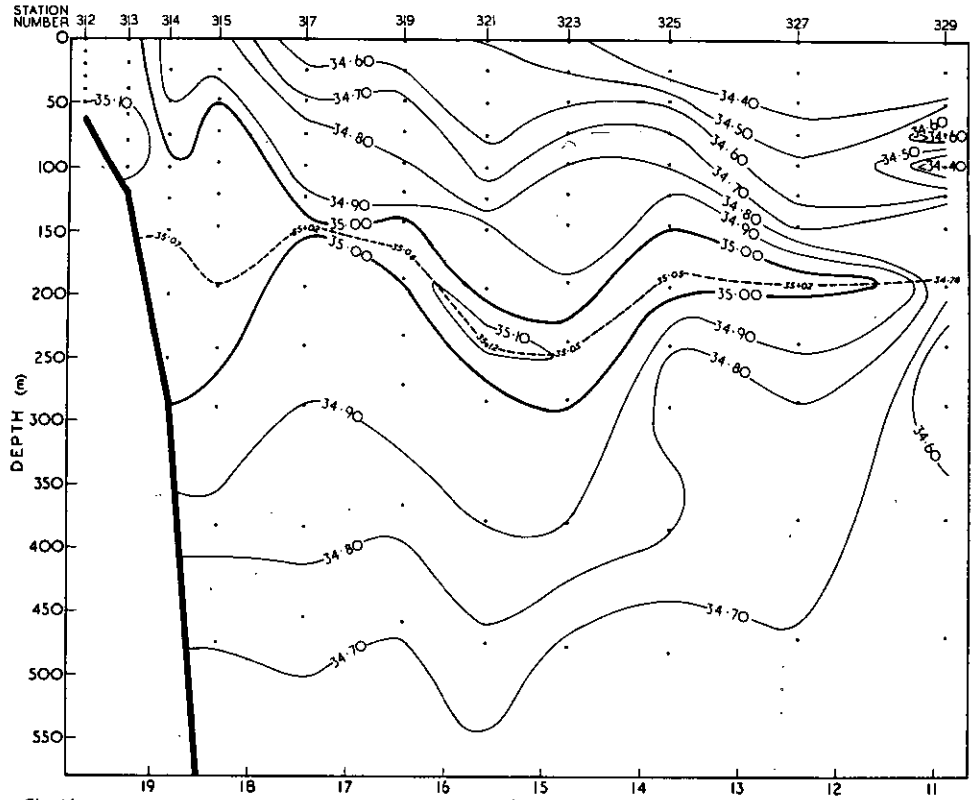

STATION NUMBER
312
313
314
315
317
319
321
323
325
327
329
DEPTH (m)
LATITUDE °S
19
18
17
16
15
14
13
12
11

Fig. 16

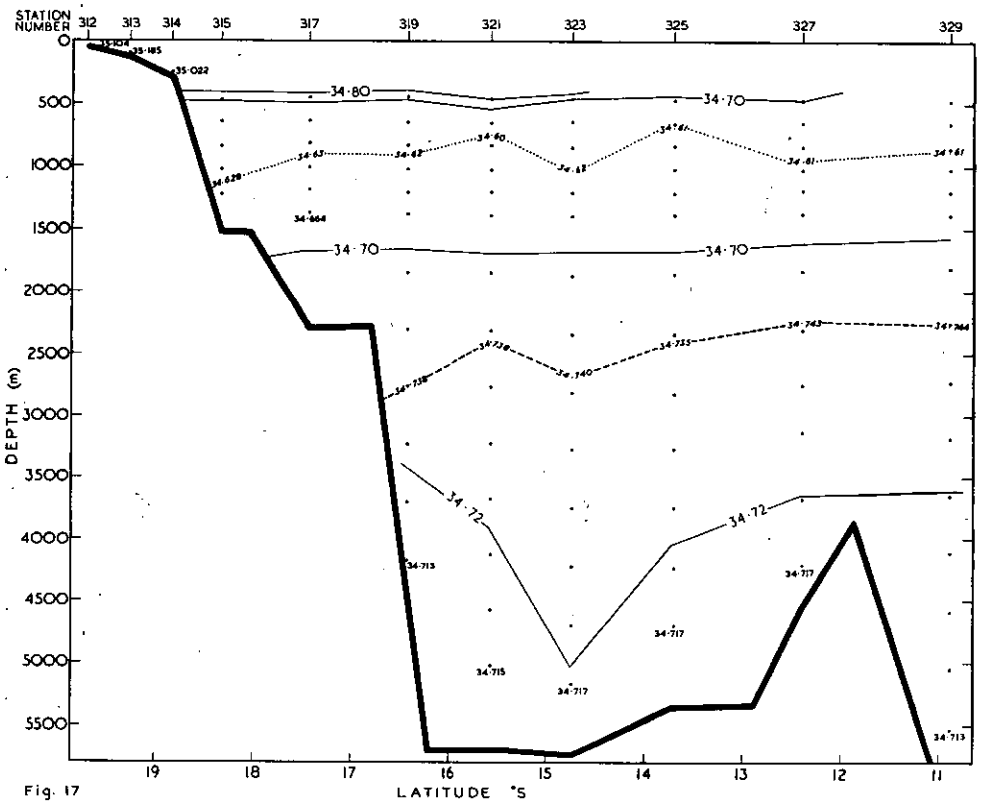

STATION NUMBER
312
313
314
315
317
319
321
323
325
327
329
DEPTH (m)
LATITUDE °S
19
18
17
16
15
14
13
12
11

Fig. 17

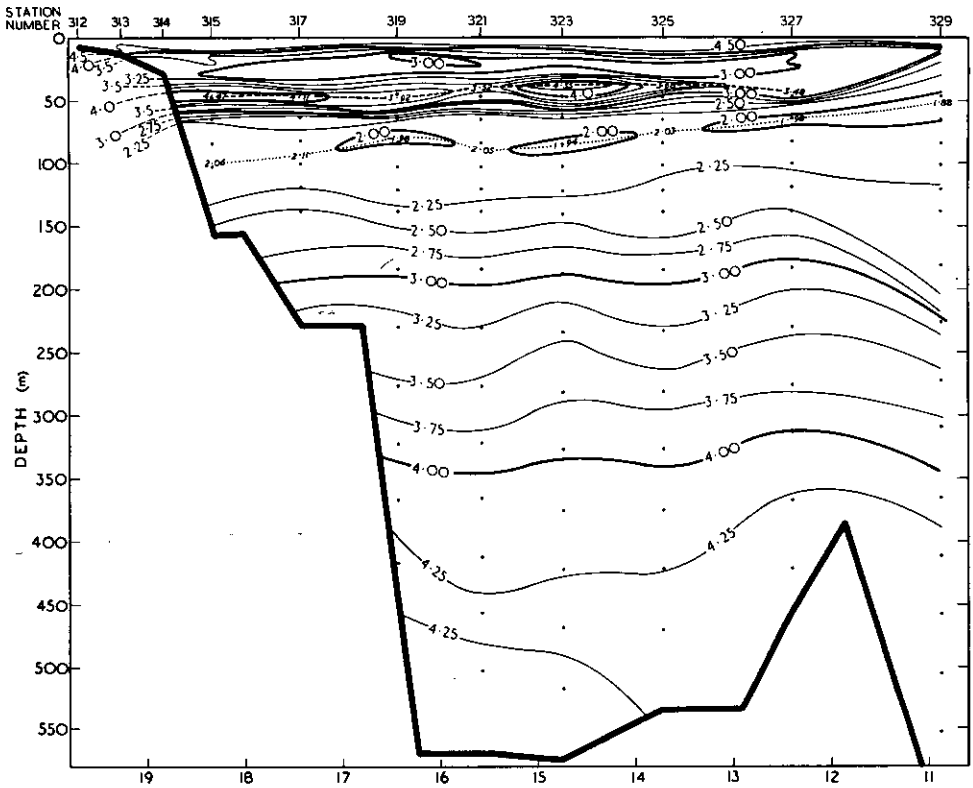

STATION NUMBER
312
313
314
315
317
319
321
323
325
327
329
DEPTH (m)
0
50
100
150
200
250
300
350
400
450
500
550
19
18
17
16
15
14
13
12
11
LATITUDE °S

Fig. 18

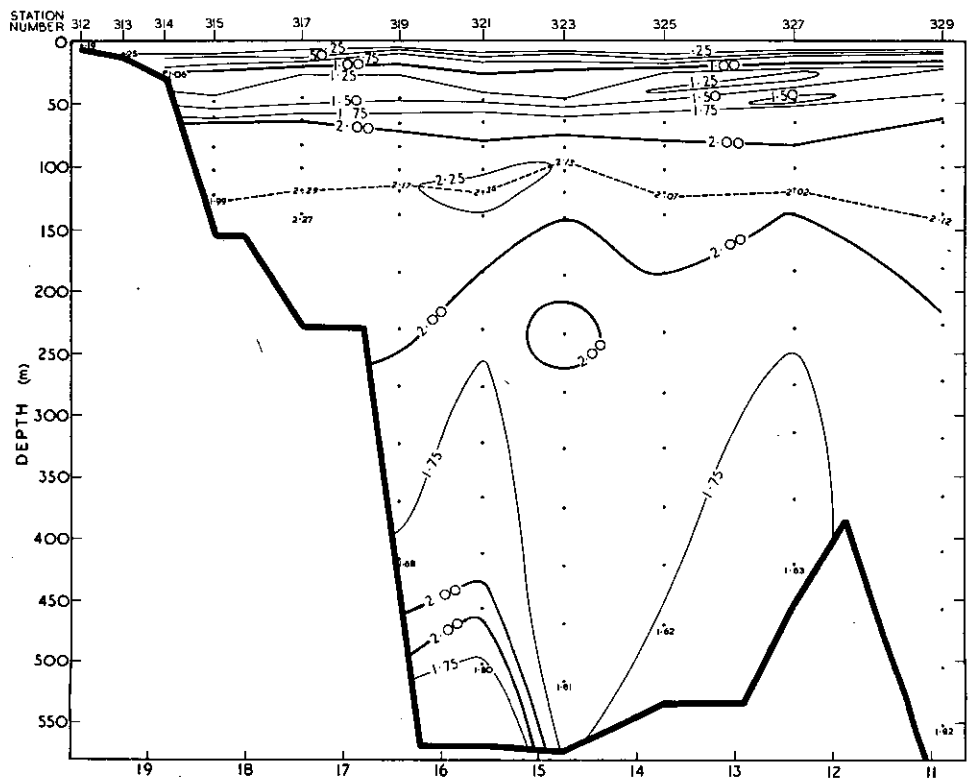

STATION NUMBER
312
313
314
315
317
319
321
323
325
327
329
DEPTH (m)
0
50
100
150
200
250
300
350
400
450
500
550
19
18
17
16
15
14
13
12
11
LATITUDE °S

Fig. 19

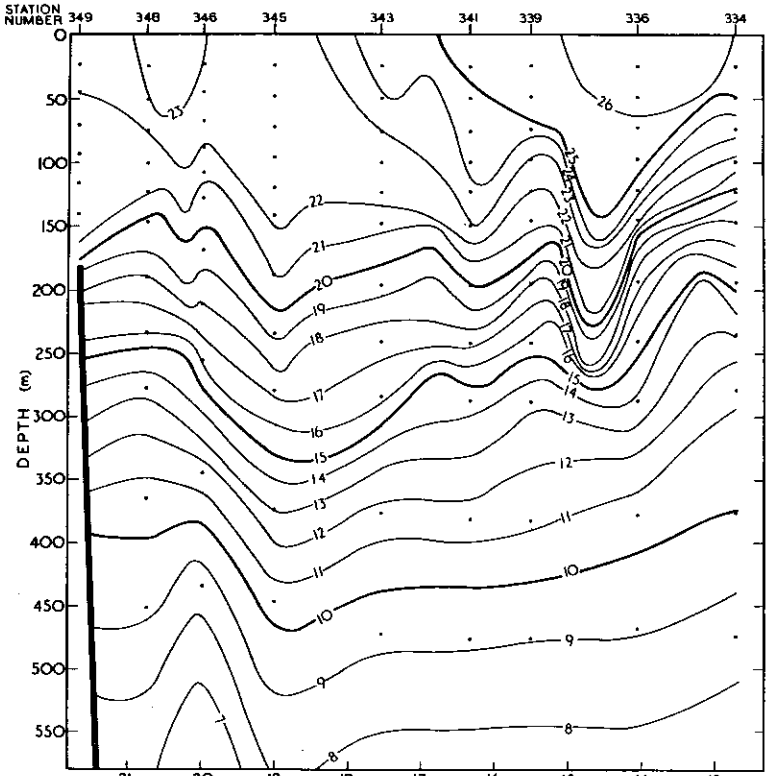

STATION NUMBER
349
348
346
345
343
341
339
336
334
DEPTH (m)
LATITUDE °S

Fig. 20

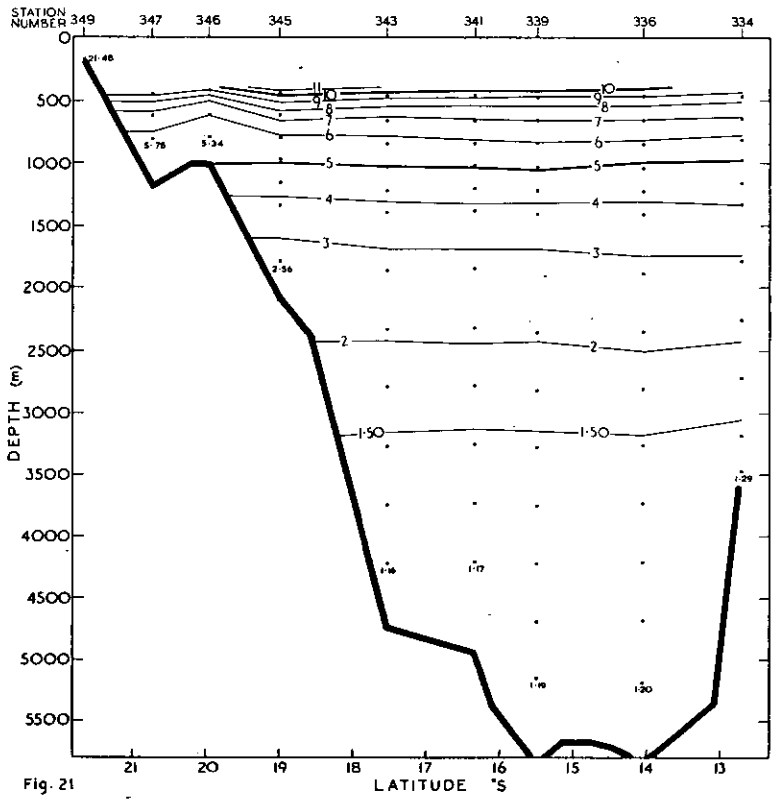

STATION NUMBER
349
347
346
345
343
341
339
336
334
DEPTH (m)
LATITUDE °S

Fig. 21

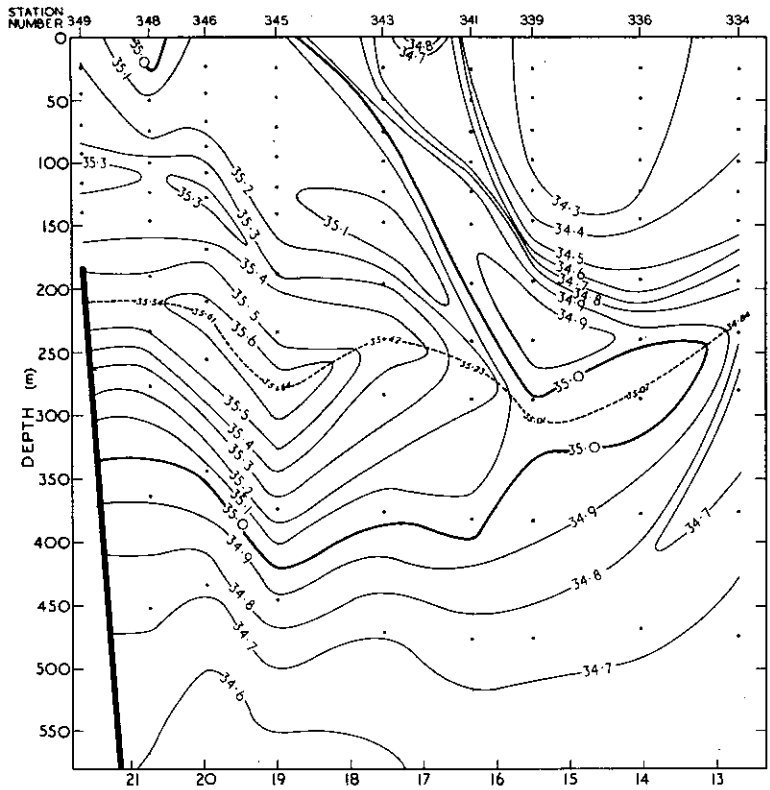

STATION NUMBER
349
348
346
345
343
341
339
336
334
DEPTH (m)
0
50
100
150
200
250
300
350
400
450
500
550
21
20
19
18
17
16
15
14
13
LATITUDE °S

Fig. 22

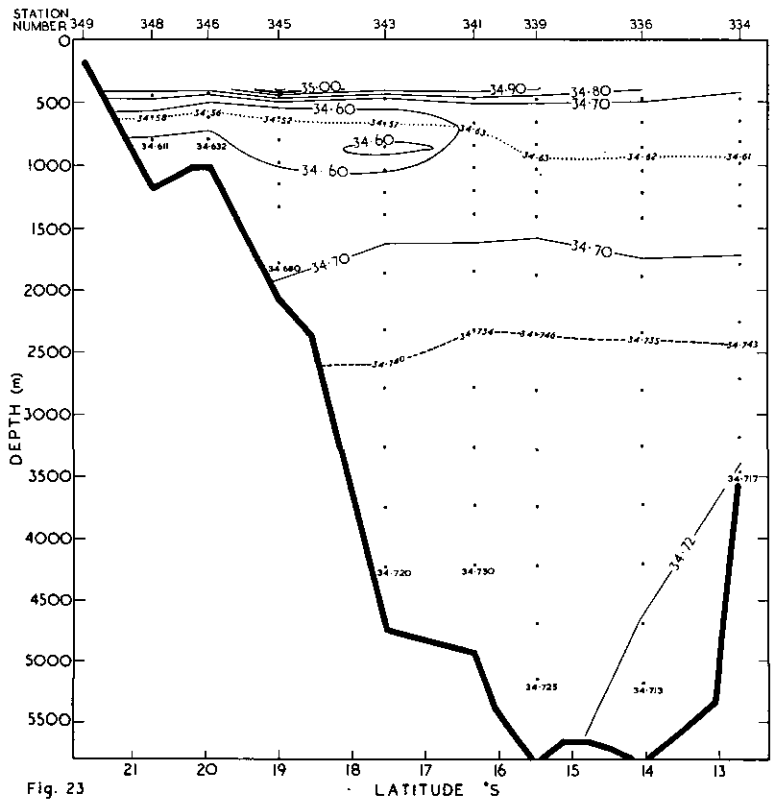

STATION NUMBER
349
348
346
345
343
341
339
336
334
DEPTH (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
21
20
19
18
17
16
15
14
13
LATITUDE °S

Fig. 23

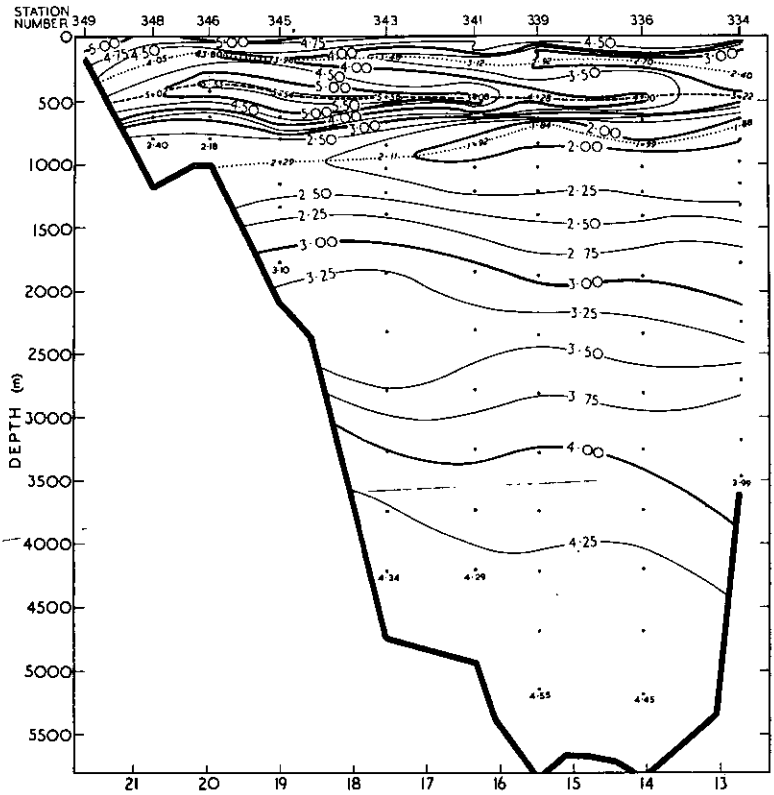

STATION NUMBER
349
348
346
345
343
341
339
336
334
DEPTH (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
21
20
19
18
17
16
15
14
13
LATITUDE °S

Fig. 24

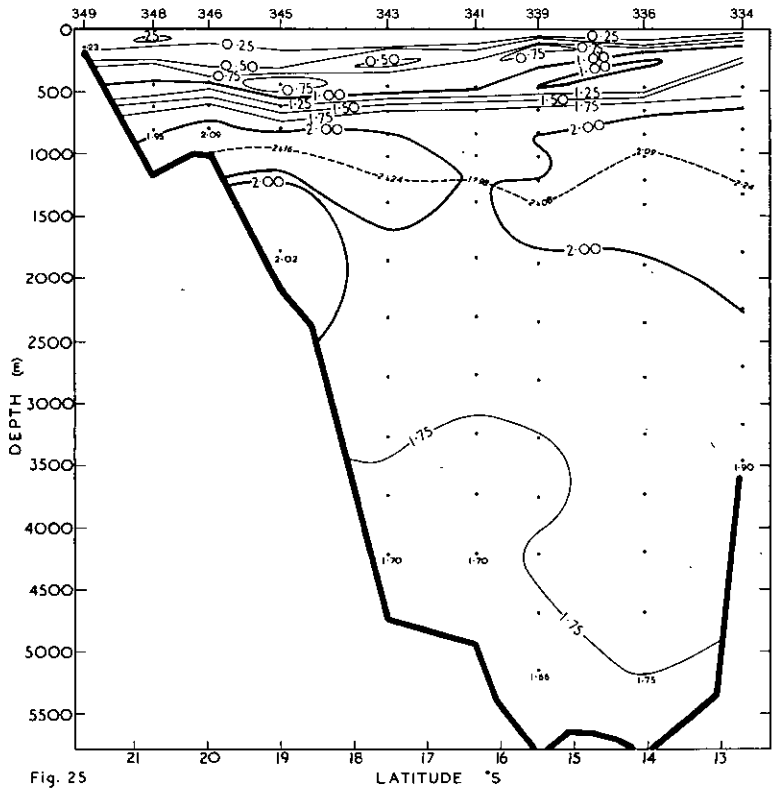

349
348
346
345
343
341
339
336
334
DEPTH (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
21
20
19
18
17
16
15
14
13
LATITUDE °S

Fig. 25

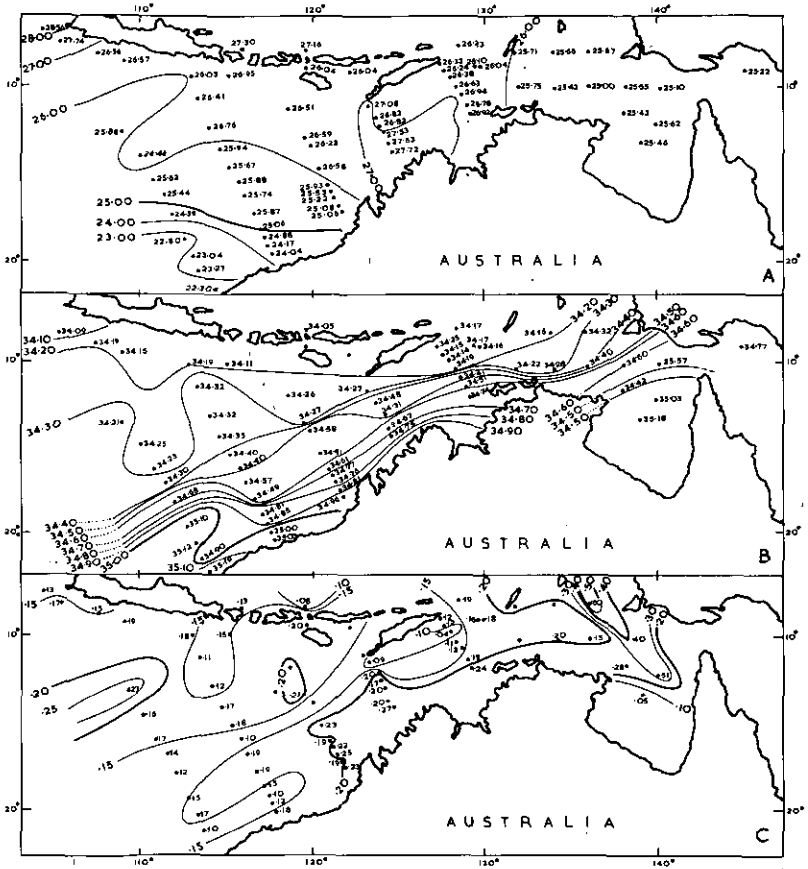

AUSTRALIA
A
AUSTRALIA
B
AUSTRALIA
C

Fig. 26

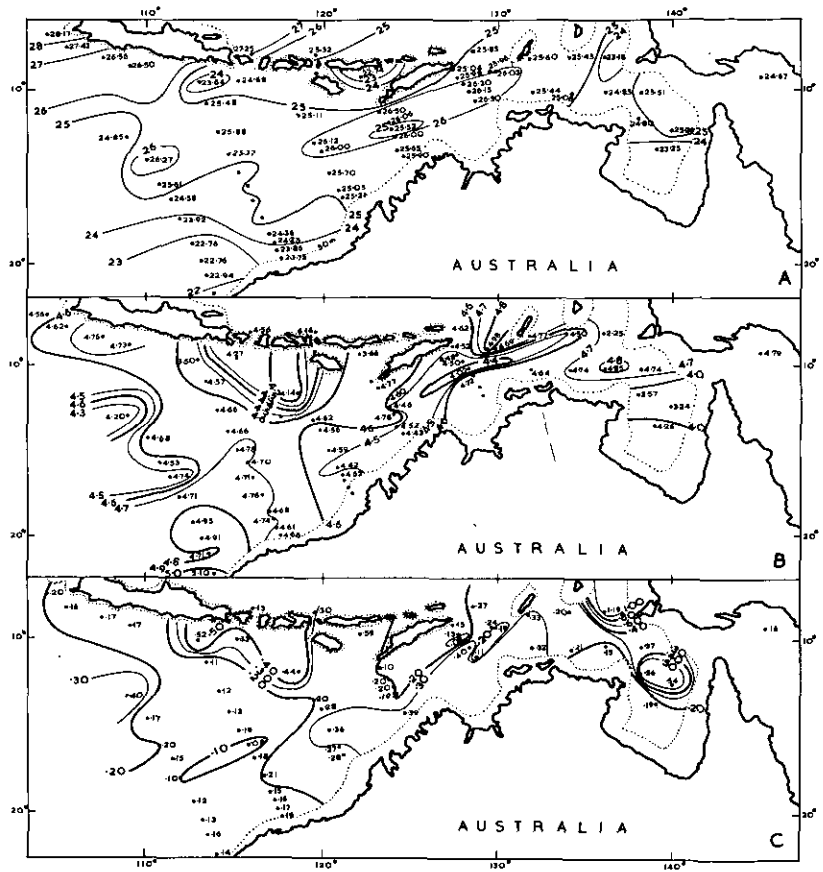

AUSTRALIA
A
AUSTRALIA
B
AUSTRALIA
C

Fig. 27

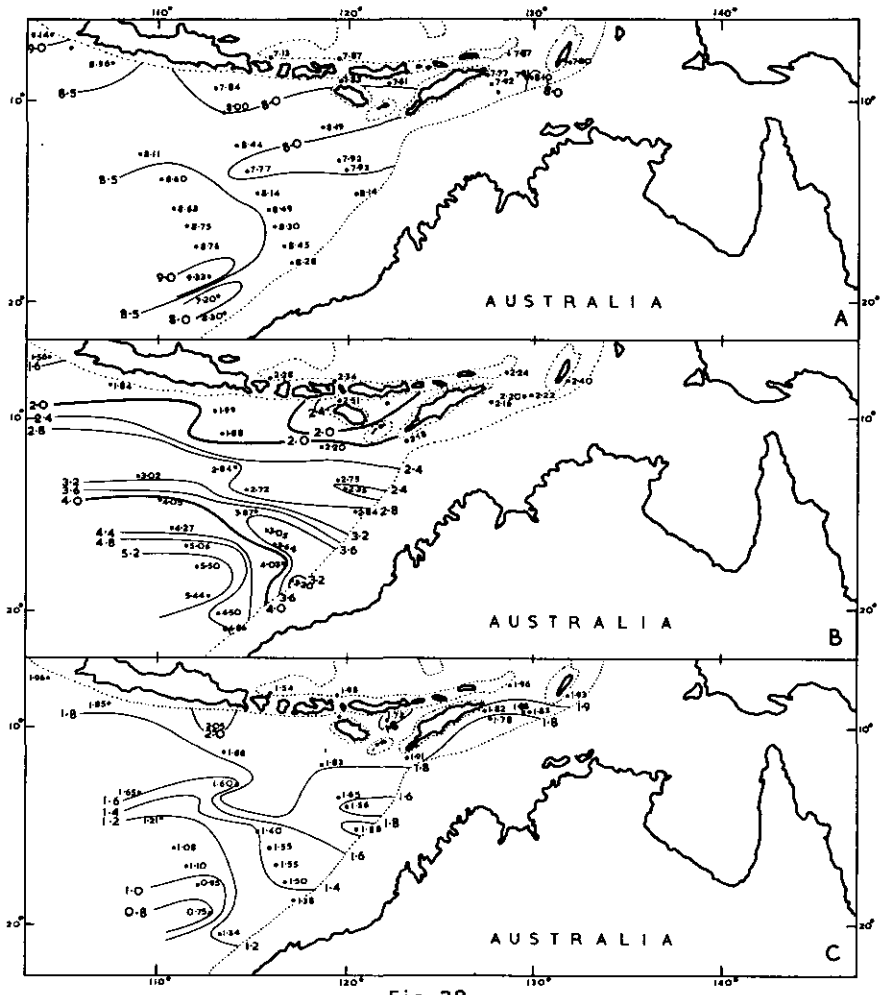


Fig. 28

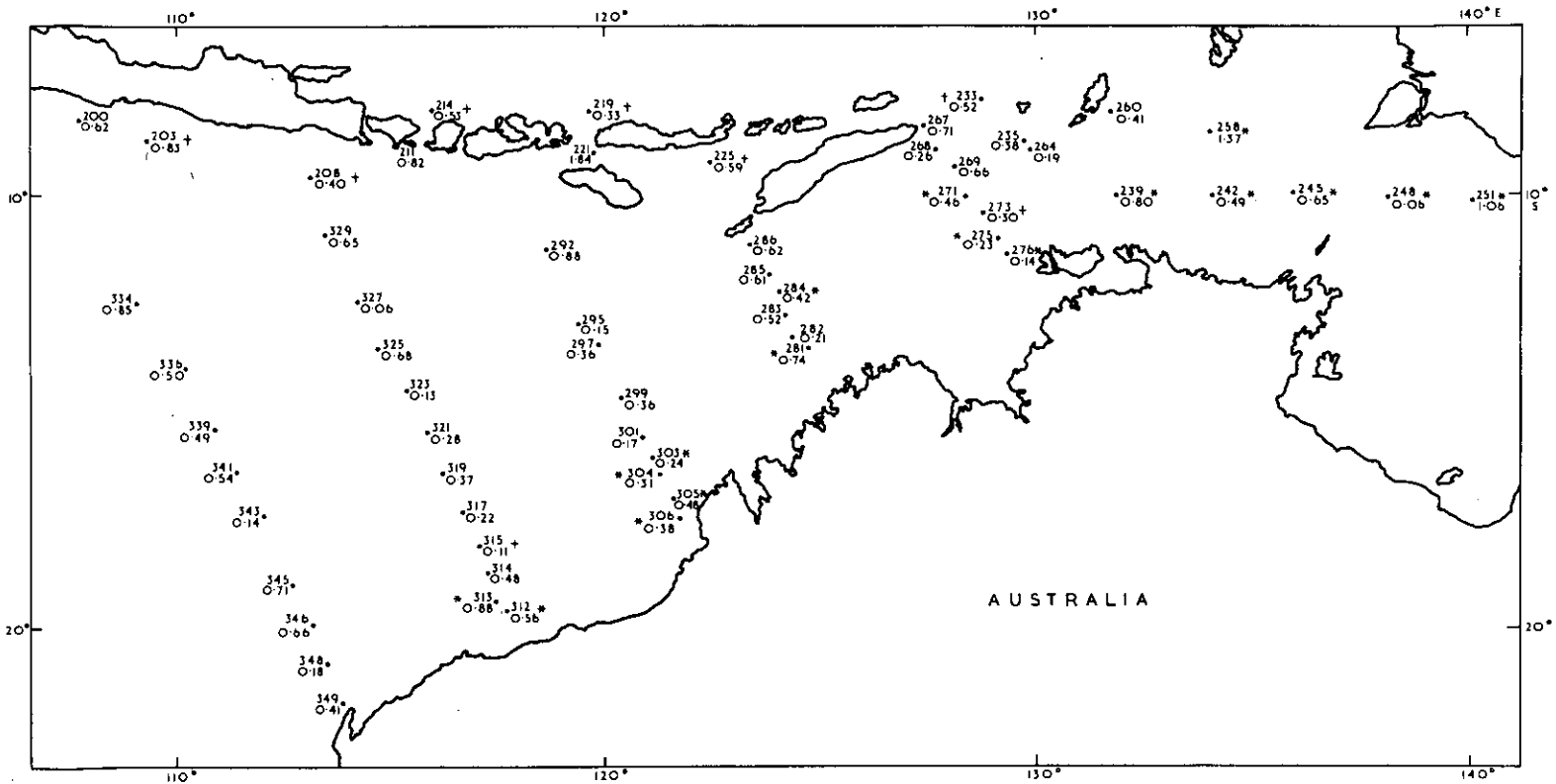

110°
120°
130°
140° E
10°
10° S
20°
AUSTRALIA
200 0·62
203 0·83
208 0·40
211 0·82
214 0·53
219 0·33
221 1·64
225 0·59
233 0·52
267 0·71
268 0·26
269 0·66
235 0·58
264 0·19
260 0·41
258 1·37
271 0·46
273 0·30
275 0·23
276 0·14
239 0·80
242 0·49
245 0·65
248 0·06
251 1·06
329 0·65
292 0·88
286 0·62
285 0·61
284 0·42
287 0·52
282 0·21
281 0·74
334 0·85
327 0·06
295 0·15
297 0·36
325 0·68
336 0·50
323 0·13
299 0·36
339 0·49
321 0·28
301 0·17
303 0·24
304 0·31
341 0·54
319 0·37
305 0·46
306 0·38
343 0·14
317 0·22
315 0·11
314 0·48
345 0·71
313 0·88
312 0·56
346 0·66
348 0·18
349 0·41

Fig. 29

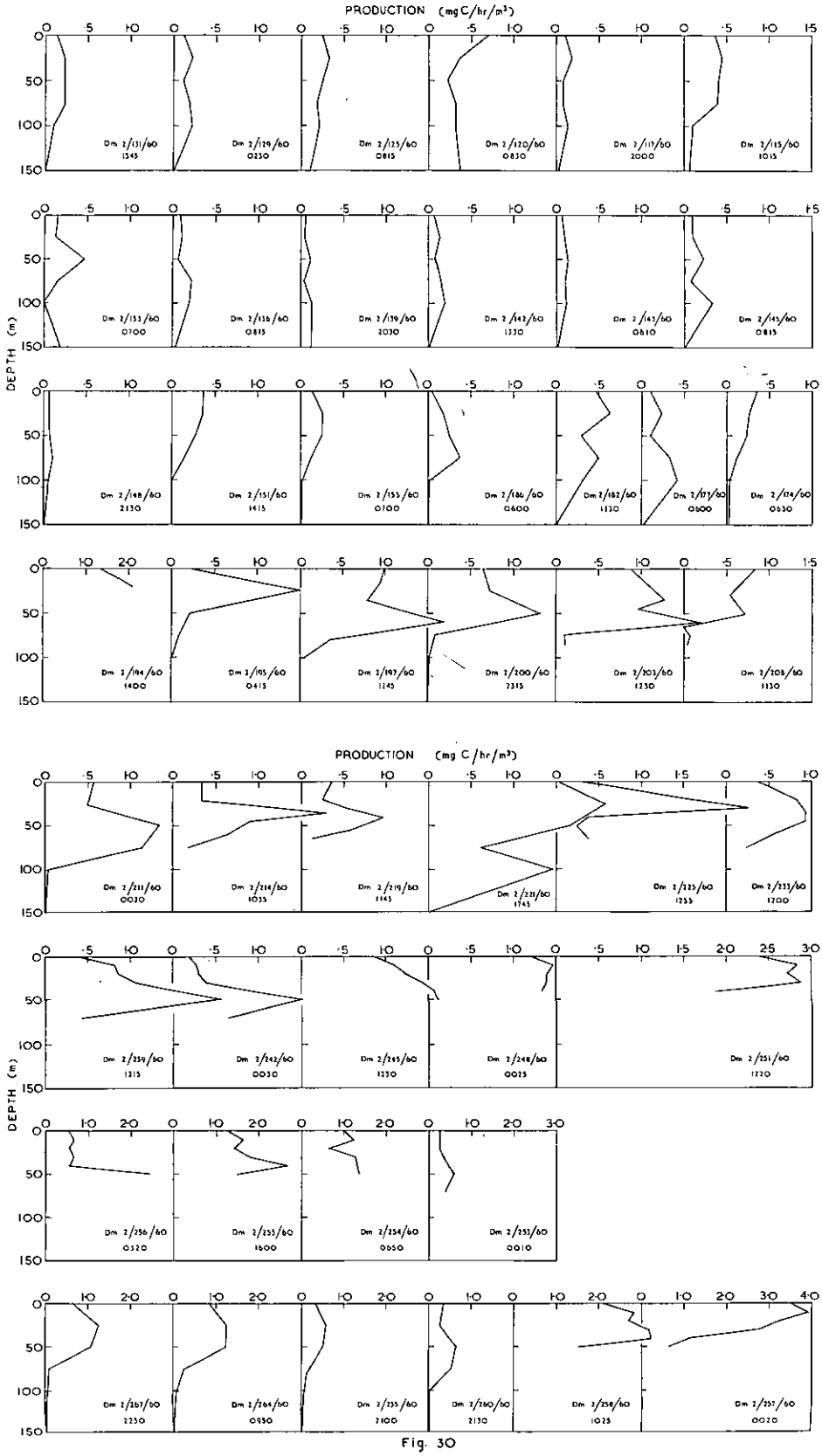
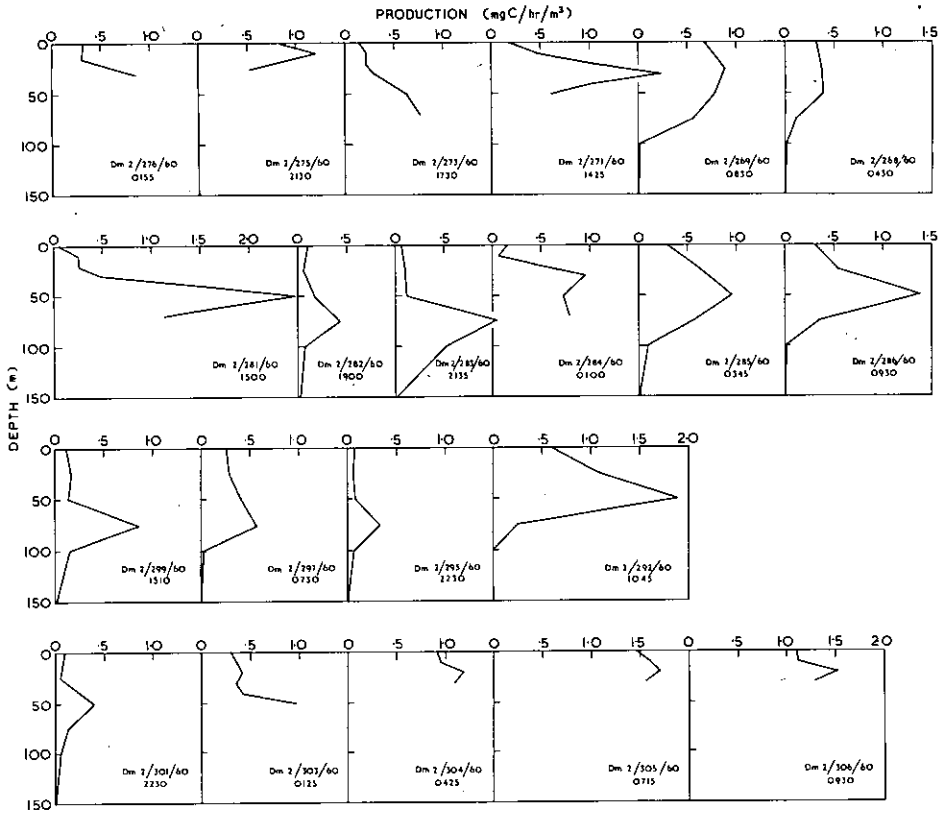

PRODUCTION (mg C/hr/m³)
DEPTH (m)
Dm 2/131/60 1345
Dm 2/129/60 0230
Dm 2/125/60 0815
Dm 2/120/60 0830
Dm 2/117/60 2000
Dm 2/115/60 1015
Dm 2/133/60 0700
Dm 2/136/60 0815
Dm 2/139/60 2030
Dm 2/142/60 1330
Dm 2/143/60 0610
Dm 2/145/60 0815
Dm 2/148/60 2130
Dm 2/151/60 1415
Dm 2/155/60 0700
Dm 2/186/60 0600
Dm 2/182/60 1130
Dm 2/177/60 0600
Dm 2/174/60 0630
Dm 2/194/60 1400
Dm 2/195/60 0415
Dm 2/197/60 1245
Dm 2/200/60 2315
Dm 2/203/60 1230
Dm 2/208/60 1130
PRODUCTION (mg C/hr/m³)
DEPTH (m)
Dm 2/211/60 0030
Dm 2/214/60 1035
Dm 2/219/60 1145
Dm 2/221/60 1745
Dm 2/225/60 1255
Dm 2/233/60 1200
Dm 2/239/60 1215
Dm 2/242/60 0030
Dm 2/245/60 1230
Dm 2/248/60 0025
Dm 2/251/60 1220
Dm 2/256/60 0520
Dm 2/253/60 1600
Dm 2/254/60 0650
Dm 2/255/60 0010
Dm 2/267/60 2230
Dm 2/264/60 0930
Dm 2/235/60 2100
Dm 2/260/60 2130
Dm 2/258/60 1025
Dm 2/257/60 0020

Fig. 30


PRODUCTION (mgC/hr/m³)
DEPTH (m)
Dm 2/276/60 0155
Dm 2/275/60 2130
Dm 2/273/60 1730
Dm 2/271/60 1425
Dm 2/269/60 0830
Dm 2/268/60 0430
Dm 2/281/60 1500
Dm 2/282/60 1900
Dm 2/283/60 2135
Dm 2/284/60 0100
Dm 2/285/60 0345
Dm 2/286/60 0930
Dm 2/299/60 1510
Dm 2/297/60 0730
Dm 2/295/60 2230
Dm 2/293/60 1045
Dm 2/301/60 2230
Dm 2/303/60 0125
Dm 2/304/60 0425
Dm 2/305/60 0715
Dm 2/306/60 0930

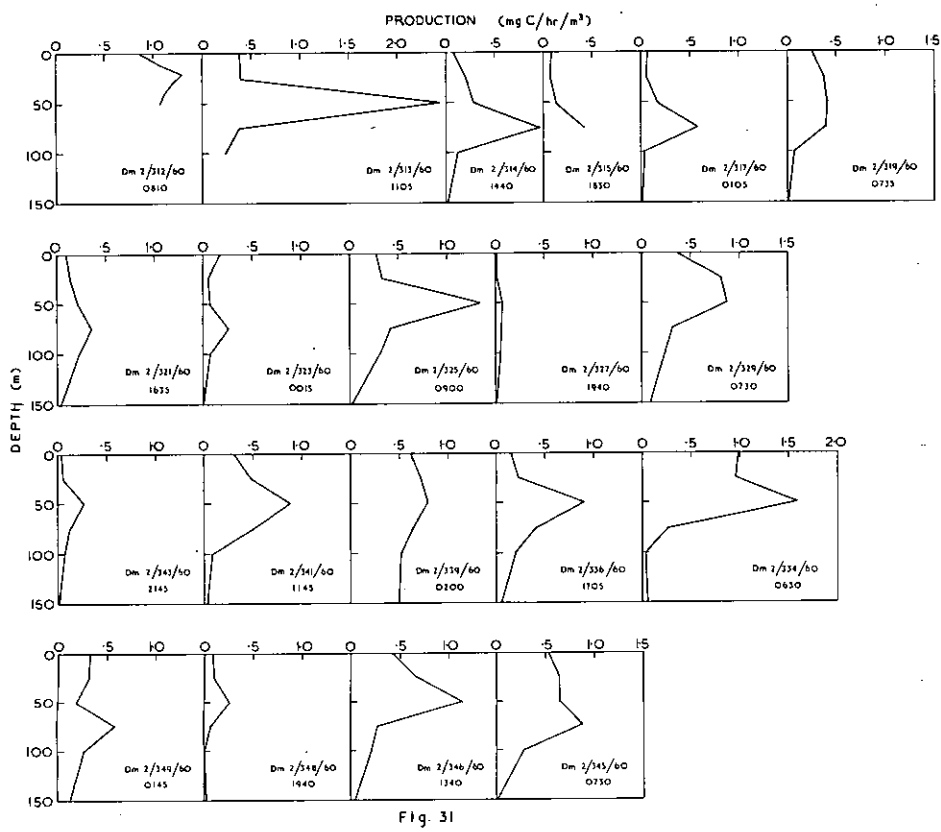

PRODUCTION (mg C/hr/m³)
DEPTH (m)
Dm 2/312/60 0810
Dm 2/313/60 1105
Dm 2/314/60 1440
Dm 2/315/60 1830
Dm 2/317/60 0105
Dm 2/319/60 0735
Dm 2/321/60 1635
Dm 2/323/60 0015
Dm 2/325/60 0900
Dm 2/327/60 1940
Dm 2/329/60 0730
Dm 2/343/60 2145
Dm 2/341/60 1145
Dm 2/339/60 0200
Dm 2/336/60 1705
Dm 2/334/60 0630
Dm 2/349/60 0145
Dm 2/348/60 1440
Dm 2/346/60 1340
Dm 2/345/60 0730

Fig. 31

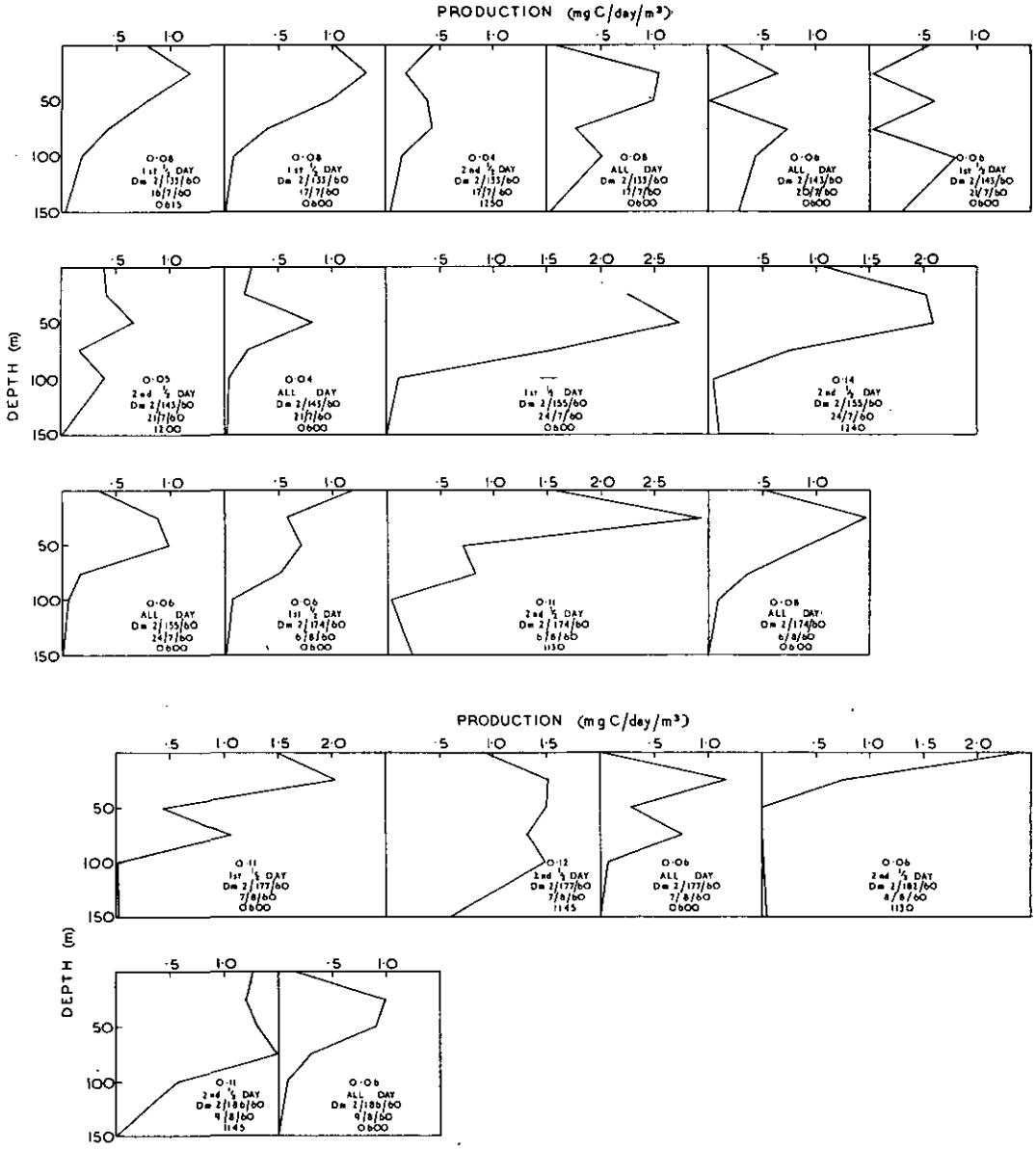

PRODUCTION (mg C/day/m³)
DEPTH (m)
·5
1·0
1·5
2·0
2·5
50
100
150
0·08
1st ½ DAY
Dm 2/133/60
16/7/60
0615
0·08
1st ½ DAY
Dm 2/133/60
17/7/60
0600
0·04
2nd ½ DAY
Dm 2/133/60
17/7/60
1250
0·08
ALL DAY
Dm 2/133/60
17/7/60
0600
0·08
ALL DAY
Dm 2/143/60
20/7/60
0600
0·06
1st ½ DAY
Dm 2/143/60
21/7/60
0600
0·05
2nd ½ DAY
Dm 2/143/60
21/7/60
1200
0·04
ALL DAY
Dm 2/143/60
21/7/60
0600
1·11
1st ½ DAY
Dm 2/155/60
24/7/60
0600
0·14
2nd ½ DAY
Dm 2/155/60
24/7/60
1240
0·06
ALL DAY
Dm 2/155/60
24/7/60
0600
0·06
1st ½ DAY
Dm 2/174/60
6/8/60
0600
0·11
2nd ½ DAY
Dm 2/174/60
6/8/60
1130
0·08
ALL DAY
Dm 2/174/60
6/8/60
0600
0·11
1st ½ DAY
Dm 2/177/60
7/8/60
0600
0·12
2nd ½ DAY
Dm 2/177/60
7/8/60
1145
0·06
ALL DAY
Dm 2/177/60
7/8/60
0600
0·06
2nd ½ DAY
Dm 2/181/60
8/8/60
1130
0·11
2nd ½ DAY
Dm 2/186/60
9/8/60
1145
0·06
ALL DAY
Dm 2/186/60
9/8/60
0600

Fig. 32

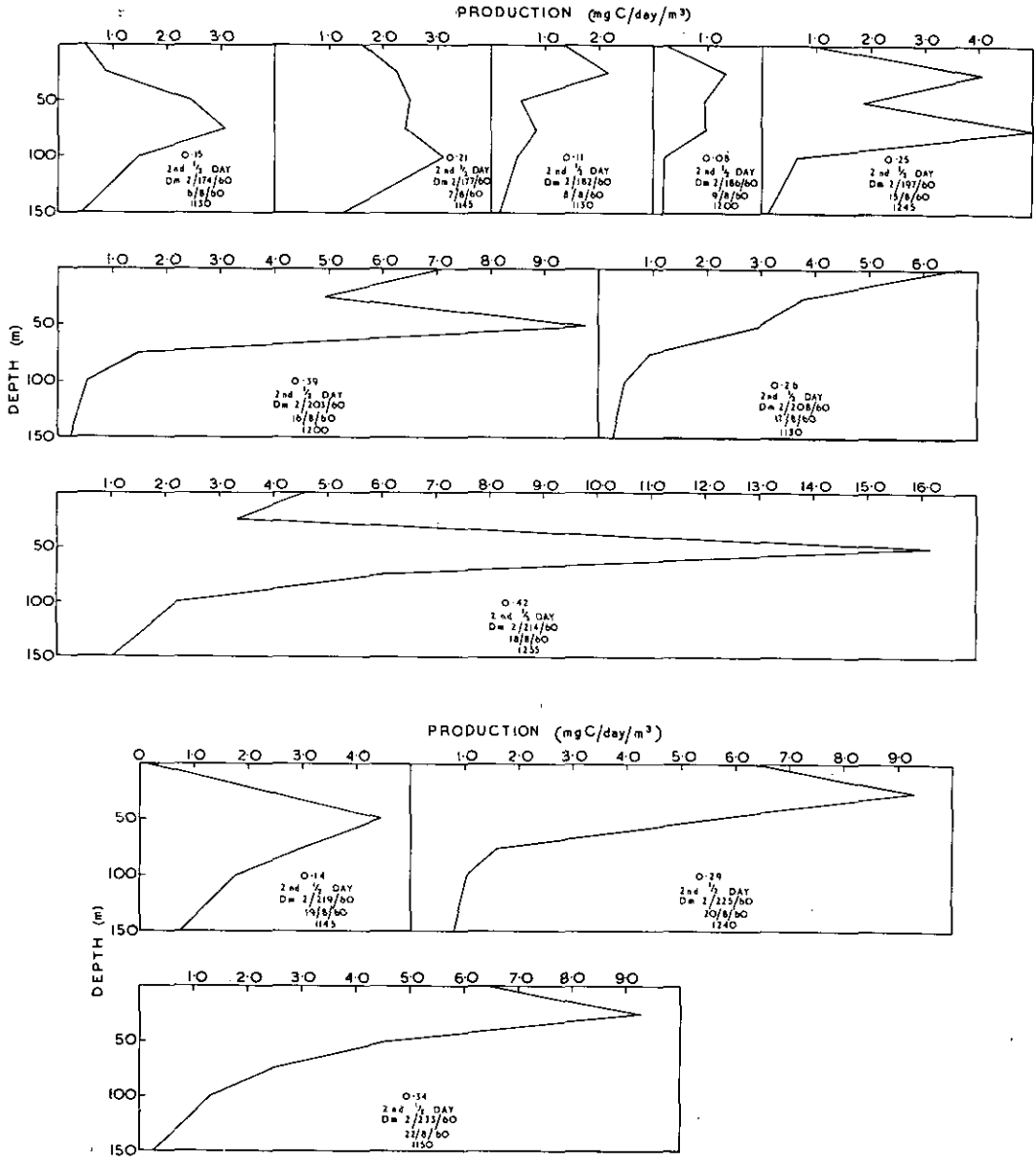

PRODUCTION (mg C/day/m³)
DEPTH (m)
0·15
2nd ½ DAY
Dm 2/174/60
6/8/60
1130
0·21
2nd ½ DAY
Dm 2/177/60
7/8/60
1145
0·11
2nd ½ DAY
Dm 2/182/60
8/8/60
1130
0·08
2nd ½ DAY
Dm 2/186/60
9/8/60
1300
0·25
2nd ½ DAY
Dm 2/197/60
15/8/60
1245
0·39
2nd ½ DAY
Dm 2/203/60
16/8/60
1200
0·26
2nd ½ DAY
Dm 2/208/60
17/8/60
1130
0·42
2nd ½ DAY
Dm 2/214/60
18/8/60
1255
PRODUCTION (mg C/day/m³)
DEPTH (m)
0·14
2nd ½ DAY
Dm 2/219/60
19/8/60
1145
0·29
2nd ½ DAY
Dm 2/225/60
20/8/60
1240
0·34
2nd ½ DAY
Dm 2/233/60
22/8/60
1150

Fig. 33

OCEANOGRAPHICAL CRUISE REPORTS

1. Oceanographic observations in the Indian Ocean in 1959. H.M.A.S. *Diamantina* Cruises Dm1/59 and Dm2/59.
2. Oceanographic observations in the Indian Ocean in 1960. H.M.A.S. *Diamantina* Cruise Dm1/60.
3. Oceanographical observations in the Indian Ocean in 1960. H.M.A.S. *Diamantina* Cruise Dm2/60.
4. Oceanographical observations in the Indian Ocean in 1960. H.M.A.S. *Diamantina* Cruise Dm3/60.
5. Oceanographical observations in the Pacific Ocean in 1960. H.M.A.S. *Gascoyne* Cruises G1/60 and G2/60.