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Monthly Temperature and Salinity Measurements of Continental Shelf Waters of the Northwestern Gulf of Mexico, 1963-65

Robert F. Temple, David L. Harrington, and John A. Martin

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Monthly Temperature and Salinity Measurements of Continental Shelf Waters of the Northwestern Gulf of Mexico, 1963-65¹

ROBERT F. TEMPLE, 2 DAVID L. HARRINGTON, 3 and JOHN A. MARTIN

ABSTRACT

Temperature and salinity observations made monthly from January 1963 to December 1965 at 48 stations in the northwestern Gulf of Mexico are presented. Off the coasts of Louisiana and Texas monthly average temperatures of surface and bottom waters at station depths of 7, 14, 28, 46, and 73 m exhibited seasonal trends that were similar over a 3-yr period. Monthly average temperatures of surface and bottom waters were generally similar at station depths of 7 and 14 m, but differences were noted at station depths of 28, 46, and 73 m and increased with depth. Maximum average temperatures of bottom waters at station depths generally greater than 14 m occurred after surface temperatures had passed their maximum and were dropping.

Salinities of surface and bottom waters varied markedly at 7- and 14-m stations, whereas at deeper stations seasonal fluctuations were restricted primarily to surface waters. The magnitude of yearly salinity fluctuations decreased with an increase in distance offshore. The effects of the seasonal freshwater inflow of the Mississippi River and other Louisiana rivers on salinities were clearly apparent in Louisiana and Texas offshore waters, although in the latter case there may have been a 1- or 2-mo lag.

INTRODUCTION

Between 1962 and 1965 the Galveston Laboratory of the National Marine Fisheries Service, formerly the Bureau of Commercial Fisheries, conducted an intensive survey of the waters over the continental shelf of the northwestern Gulf of Mexico. This survey was designed primarily to provide biological information on shrimp (Kutkuhn 1963; Temple and Fischer 1965 and 1967; Brusher et al. 1972; and Temple 1973) and finfish (Moore et al. 1970), but hydrographic data also were collected during the study to provide information essential for a more complete understanding of the environment over the continental shelf.

Hydrographic studies have been conducted periodically throughout the offshore waters of the Gulf of Mexico over the past 35 yr, but these studies generally have been either 1) extensive efforts covering large geographical areas of the Gulf on a seasonal or sporadic basis, or, 2) intensive efforts investigating specific phenomena over a restricted geographical area. Studies in the first category include those reported by Collier 1958; Ichiye 1962; Armstrong and Grady 1967 and 1968; and Nowlin and McLellan 1967. Those in the second category include investigations reported by Gunter 1945; Marvin 1955; Drum-

mond and Austin 1958; Curl 1959; Finucane and Dragovich 1959; Wennekens 1959; Dragovich 1961 and 1963; Dragovich et al. 1961 and 1963; Jones et al. 1965; Stevenson and Leipper 1967; Armstrong 1967 and 1969; Armstrong et al. 1967; and Nowlin and Parker 1974. Additional general information is provided by Fuglister 1947; Leipper 1954; and U.S. Naval Oceanographic Office 1972.

The temperature and salinity information presented in this report adds to the hydrographic data base for the Gulf of Mexico, and is unique in several respects. First, measurements were made generally on a monthly basis at specified locations in the northwestern Gulf of Mexico over a 3-yr period, thus providing a time series heretofore unavailable. Second, these measurements were restricted to a portion of the U.S. continental shelf that is noted for its valuable shrimp and mineral resources which must receive adequate consideration in extended jurisdiction and coastal zone management.

PROCEDURES

Between January 1963 and December 1965, 35 cruises were conducted in continental shelf waters with the 27-m chartered shrimp trawler MV *Gus III*. Observations were made monthly at stations positioned on eight transects located west of the mouth of the Mississippi River and extending to just north of the Mexico-U.S. border (Fig. 1). Stations on two additional transects east of the Mississippi River were occupied only in 1963 during every other month beginning in February. Along each transect stations were positioned in predetermined total

The compilation and tabulation of part of the data reported herein were supported under the Department of Interior's Bureau of Land Management Interagency Agreement #08550-1A5-19.

Gulf Coastal Fisheries Center, National Marine Fisheries Service, NOAA, 4700 Avenue U, Galveston, TX 77550.

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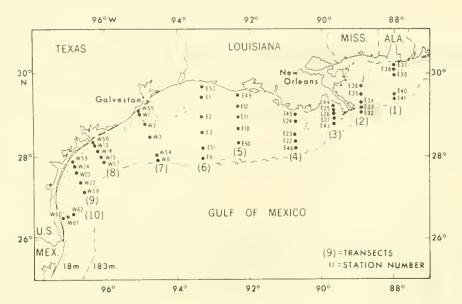


Figure 1.—Transects with stations occupied during the National Marine Fisheries Service's investigation of the continental shelf waters of the northwestern Gulf of Mexico, 1963-65.

water depths recorded originally in fathoms but converted herein to the nearest meter. Operations were conducted around the clock, and the time required to complete a cruise ranged from 10 to 24 days; the average cruise was completed in 14 days. Occasionally some stations could not be occupied because of adverse weather conditions or mechanical breakdowns.

Temperatures were measured with mechanical bathy-thermographs that were allowed to sound bottom on all casts. Surface bucket temperatures were taken for correction purposes with stem thermometers graduated to 0.1°C. In the laboratory, temperature and depth corrections were calculated for each slide before photography, and bathythermogram profiles were aligned by the average correction process as outlined by LaFond (1951). For tabulation purposes, temperatures at a station were recorded at 0 (surface), 3, 11, 24, 43, 70, 107, and B (bottom) meters, depending on total water depth.

Samples of surface water for salinity determinations were obtained from the bucket samples used for bathythermograph reference temperatures. Samples of subsurface waters were taken at depths of 3, 11, 24, 43, 70, and 107 m with Nansen bottles. The deepest sample at any station was 3 m above the bottom. Depths were determined from the wire angles and precalculated length-of-wire tables. Regardless of the method of collection, all samples were drawn into 200-ml culture tubes with Polyseal caps. Chlorinity was determined in the laboratory by the Knudsen method as soon as possible after each cruise.

All temperature and salinity values obtained at each station during this survey are listed by station and grouped by transects in Tables 1-10.

RESULTS

Temperatures and salinities of waters over the continental shelf of the Gulf of Mexico are affected by a number of factors such as air temperatures, surface winds, oceanic currents, and freshwater inflow. Of these, one significant factor in the area under consideration is the discharge from the Mississippi River which has a more pronounced or immediate effect on waters off Louisiana than on those off Texas. For this reason and because State agencies in Louisiana and Texas are concerned with natural resources off their respective coasts, the data have been grouped for 1) Louisiana waters (Tables 3-6), and 2) Texas waters (Tables 7-10). Data generated from east of the Mississippi River (Tables 1-2) and from 110 m of water (Table 6, Station E6 and Table 7, Station W6) are listed for informational purposes only.

Louisiana Offshore Waters

Monthly average surface and bottom temperatures (averaged for observations at stations of like bottom depths) over the 3-yr period are plotted for five depth zones in Figure 2. Within each depth zone, the trends were similar between years, and differences between depths were consistent. Surface and bottom water temperatures closely approximated one another at the 7-m stations, but the yearly range from a low of about 13.0°C to the high of 30.5°C was greater at this depth than noted at the deeper zones. As depth increased, the differences between surface and bottom temperatures increased and were greatest at the 73-m stations. Surface temperatures at all stations generally dropped during the fall and winter, warmed during the spring, and attained highest values in the summer. Bottom temperatures at depths greater than 7 m, however, only approximated this general cycle inasmuch as highest values frequently occurred when surface waters were cooling. This was particularly pronounced at the two deepest (46 to 73 m)

Monthly average surface and near-bottom salinities for five depth zones are presented in Figure 3. Also in-

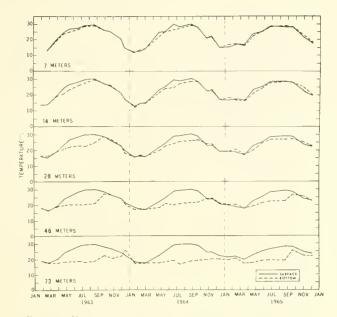


Figure 2.—Temperature trends of surface and bottom waters over the continental shelf off Louisiana, 1963-65.

cluded is the monthly discharge of fresh water from the Mississippi River and other Louisiana rivers. Trends in salinities were generally similar between years at the respective depths, but differences did exist between depths. At the 7-m stations, surface salinities generally reflected near-bottom conditions with values ranging from a low of 16.5% to a high of 33.7%. Annual

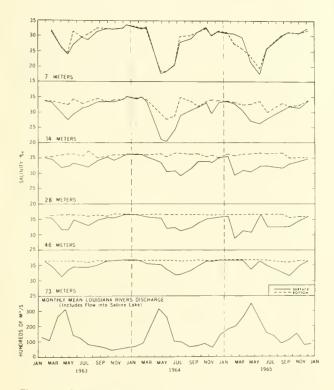


Figure 3.—Salinity trends in surface and bottom waters over the continental shelf off Louisiana, 1963-65.

variations decreased with increasing depth and distance offshore, with near-bottom salinities being virtually invariant at the 46- and 73-m depth zones. The effects and extent of the seasonal discharge of fresh water from the Mississippi River on offshore salinity values were readily apparent over the entire continental shelf off Louisiana.

Texas Offshore Waters

Trends in monthly average temperatures of surface and bottom waters at five depth zones are illustrated in Figure 4. Similar trends were apparent each year, but as in Louisiana waters, differences did occur with increased distance offshore or total depth. Monthly average temperatures of surface and bottom waters at depths of 7 and 14 m were generally similar over the 3-yr period, ranging from a low of about 10.5°C in February 1963 to a high of 30°C in September 1963. Temperature ranges of both surface and bottom waters decreased offshore and with increasing depth. Also, differences between surface and bottom measurements, when they occurred, were more pronounced in the deep waters than in the shallow waters. At depths of 28 m or greater, average monthly values revealed that maximum bottom temperatures occurred generally during a time when temperatures of surface waters were decreasing.

Yearly trends in monthly average salinity values of surface and near-bottom waters off Texas (Fig. 5) were more pronounced at station depths of 7 and 14 m than at the deeper stations (28, 46, and 73 m). Seasonal variations in salinities of surface and near-bottom waters were generally similar out to a depth of 28 m, but beyond that depth near-bottom salinities exhibited little seasonal change. Marked decreases in salinity values, either in surface and/or bottom waters, were related to

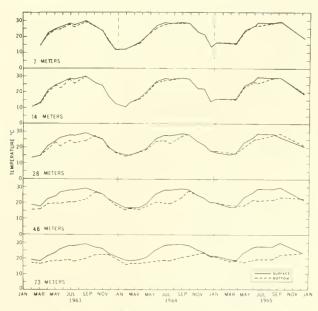


Figure 4.—Temperature trends of surface and bottom waters over the continental shelf off Texas, 1963-65.

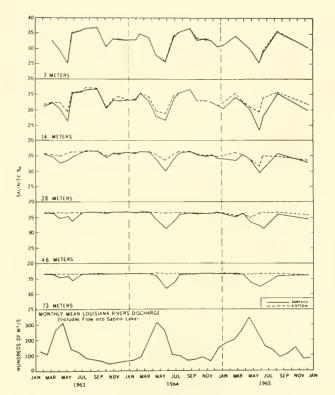


Figure 5.—Salinity trends in surface and bottom waters over the continental shelf off Texas, 1963-65.

peak outflow of fresh water from the Mississippi River although there may be a time lag of 1 to 2 mo. Superimposed on these marked changes were other minor changes evident at the shallower stations and which probably resulted from local river discharges.

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DEPTH: 7 M
LATITUDE: 30°12' N
LONGITUDE: 88°00' W

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4	26	4	1963	22.4	22.6						18.3	28.34	30.97					
6	19	6	1963	25.6	25.5						20.6	30.48	32.34					
8	21	8	1963	28.6	28.6						27.2	23.41	32.85					
10	25	10	1963	24.1	24.3						24.4	30.76	33.34					
12	14	12	1963	14.9	14.9						15.5	33.54	33.71					
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6	19	6	1963	27.8	27.8	27.8	20.5				20.2	34.42	34.07	34.22	36.47			
6	21	8	1963	29.5	29.6	30.0	24.7				23.9	32.84	32.44	35.98	36.35			
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4	25	4	1963	23.4	23.4	23.4	20.0	17.8			17.5	33.00	33.10	33.26	36.32	36.15		
6	18	6	1963	28.1	27.8	27.2	23.6	20.1			20.1	32.22	34.53	34.80	36.32	36.49		
8	21	В	1963	30.2	30.2	30.2	27.8	21.9			21.9	33.51	33.34	35.51	36.42	36.46		
10 12	26 14	10 12	1963 1963	26.0	26.0	26.0	26.0	26.0			25.7 20.7	36.17 36.39	35.97 36.30	36.08 36.36	35.92 36.36	36.04 36.32		
STATION: DEPTH: LATITUDE LONGITUD	73 M : 29 25	5° N 00' W																
2	28	2	1963	15.2	15.2	15.2	15.0	14.6	15.3		15.3	35.79	00.00	00.00	00.00	00.00	00.00	
4	25	4	1963	23.1	23.2	23.3	21.1	20.3	18.2		17.7	34.66	34.38	34.86	35.53	36.35	36.25	
6	18	6	1963	28.2	27.9	27.7	24.9	20.8	18.6		17.9	32.05	34.18	36.41	36.60	36.54	00.00	
8	21	8	1963	30.1	29.9	30.0	28.9	23.9	19.9		19.9	33.76	33.69	34.75	36.39	36.35	36.42	
10 12	26 14	10 12	1963 1963	26.1	26 1	26.1	26.1	26.7	20.0		17.8 17.6	35.84 36.01	35.61 36.02	36.27 36.05	35.86	36.41	36.53 36.77	
16	1.4	12	7 20 3	20.4	20.4	20.4	20.4	20.4	17.0		17.0	30.01	30.02	36.05	00.00	00.00	30.77	

STATION. E-36 DEPTH: T M LATITUDE: L9^C4L' N LONGITUDE: 88^C52' W

ruise	Day	Month	Year			T	emperat Oepth	ure (°	:)						inity (o Depth (M			
1 0130	Day				3	11	24	43	70	1 7	8	n	3	11	24	43	70	10
2	26	2	1963	17	12.7						12.7	33.35	33.23					
4	24	4	1963	.4.5	24.0						19.7	30.93	31.33					
6	18	6	1963	25.6	25.6						20.1	28.82	34.38					
8	21	8	1963	3 .							27.9	34.09	33.97					
10	24	1 /	1963	24.7	24.7						24.1	34.07	34.66					
12	13	12	1963	16.3	16.3						16.3	34.15	34.20					
TATION: EPTH: A ATITUDE	E=3° 14 M 1: 49° 3 E: 88°	1																
	25	2	1963	13.2	12.9	12.7					12.2	33.80	33.73	33.68				
4	24	4	1963	23.4	22.8	19.7					19.5	29.10	30.83	34.86				
6	13	ë	1963	21.8	21.8	18.9					18.8	36.41	34.80	36.45				
8	20	8	1963	30.1	29.9	23.0					22.2	34.64	36.28	36.40				
10	24	1 /	1963	24.8	24.8	24.8					24.7	25.75	34.54	34.62				
12	1.3	12	1963	19.6	19.6	19.6					19.8	35.89	35.91	36.19				
ONGITUE 2 4 6	29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	52° W 2 4 6	1963 1963 1963	14.2 24.7 23.2	13.7 23.9 23.2	13.5 18.6 20.8	12.5 18.1 19.3				12.6 17.9 18.8	34.99 22.40 27.64	34.89 32.58 33.65	34.88 3e.00 36.48	34.51 36.76 36.46			
8	20	8	1963	28.6	28.1	24.7	23.1				23.1	33.85	33.85	36.43	36.39			
10	24 13	10 12	1963 1963	26.1	26.1	26.1	26.4				26.6	35.45 35.87	35.44 35.87	35.51 35.89	35.82 35.98			
2	25	2	1963	13.6	14.3	14.5	15.2	14.3			14.2	33.90	34.36	34.98	35.40	35.18		
4	24	4	1963	24.3	21.4	19.1	18.6	17.3			17.3	23.02	00.00	36.32	36.24	36.10		
6	18	6	1963	22.7	22.2	20.7	19.2	18.2			18.2	00.00	36.34	36.50	36.48	36.37		
8	20	8	1963	28.0	26.9	23.3	22.2	22.1			22.1	33.05	33.67	36.44	36.39	36.42		
10	2.3	10	1963	25.7	25.7	25.8	26.8	26.9			26.9	35.19	35.08	35.23	35.95	36.68		
12	13	12	1963	19.9	20.0	20.4	20.4	20.1			20.1	34.14	34.35	34.31	35.95	36.34		
2	25	2	1963	13.9	14.8	14.8	15.3	16.1	14.7		14.6	33.48	35.03	35.45	35.66	35.93	36.04	
4	24	4	1963	20.9	21.7	22.1	20.9	19.2	17.6		17.6	20.55	35.29	36.22	36.56	36.28	36.20	
6	18	6	1963	27.1	27.1	23.6	20.8	18.6	17.1		16.4	33.51	35.98	36.48	36.56	36.22	36.40	
8	20	8	1963	29.6	29.6	26.7	20.8	19.4	17.3		17.2	24.80	32.30	35.46	36.36	36.49	36.32	
10	23	10	1963	26.2	26.2	26.5	26.8	27.1	22.2		19.3	35.04	35.12	35.55	35.81	36.64	36.62	
12	13	12	1963	19.8	19.9	20.0	20.6	20.1	17.8		17.7	33.98	34.21	34.65	35.80	36.42	36.26	

STATION: E-44

DEPTH: 7 M

LATITUDE: 29⁰15' N

LONGITUDE: 89⁰42' W

	Day	Month	Year		Temperature (°C)	-			inity (c			-
Cruise	vay	HOHEII	ieai	0 3	Depth (M) 11 24 43 70 107 B	1	3	11	Depth (M	43	70	107
2	24	2	1963	14.3 14.3	14.3	32,40	32.32					
3	29	3	1963	19.9 19.9	17.9	21.15	21.50					
4	27	4	1963	27.1 26.8	25.8	19.91	19.77					
5	17	5	1963	28.1 28.1	25.2	28,61	29.04					
6 7	22 12	6 7	1963 1963	27.3 27.3 28.9 28.9	27.3 28.4	25.78	25.94 32.02					
8	19	8	1963	29.9 29.4	28.4	31.53	33.08					
9	26	9	1963	27.1 27.0	26.8	31.10	31.13					
10	23	10	1963	25.1 25.1	26.3	32.51	32.48					
11	23	11	1963	21.8 21.8	22.1	32.29	32.13					
12	12	12	1963	16.0 16.0	17.2	33.31	33.19					
13	22	1	1964	13.8 13.7	13.4	32.93	33.09					
14 15	10 29	2 2	1964 1964	15.6 15.6 14.7 14.8	15.6 15.6	34.44	34.40 31.88					
16	24	4	1964	27.3 27.2	19.5	15.64	17.83					
17	17	5	1964	25.1 25.0	24.9	13.26	13.22					
18	20	6	1964	30.9 30.5	22.8	14.60	14.71					
19	12	7	1964	29.1 29.1	26.6	2€.55	33.16					
20	24	8	1964	31.7 30.3	29.7	24.75	28.29					
21	20	9	1964	28.4 28.3	28.2	30.39	30.55					
22	24 13	10 11	1964 1964	22.2 22.3 21.9 21.9	22.3 21.7	32.89 29.79	32.92 29.80					
24	11	12	1964	17.6 17.6	16.3	32.28	32.26					
25	18	1	1965	15.4 15.5	21.0	31.55	31.61					
26	12	2	1965	18.7 18.7	18.6	30.28	30.51					
27	15	3	1965	17.7 17.6	17.3	27.17	27.57					
28	17	4	1965	23.5 23.5	20.1	20.55	20.47					
29	22	5	1965	25.2 25.3	23.6	13.44	16.18					
30	21	6	1965	28.4 28.4	27.9	23.34	23.37					
32	22	8	1965	28.4 28.3	28.7	00.00	00.00					
34 35	29 4	10 12	1965 1965	22.5 22.5 19.9 20.0	25.6 20.4	31,96 33,49	31.94					
TATION: EPTH: ATITUDE	14 M	O! N										
	F. ROO	42 ° W										
ONGITUU	E: 89	42 W										
1	E: 89 [°]	42° W	1963	15.3 15.3	15.3	34.05		33.98				
1 2	26 24	42' W	1963	14.6 14.6	14.6	32.39	32.62	32.68				
1 2 3	26 24 29	42' W	1963 1963	14.6 14.6 19.9 19.4	14.6 17.8 17.8	32.39 21.08	32.62 21.01	32.68				
1 2 3 4	26 26 24 29 27	42 ' W 1 2 3 4	1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4	14.6 14.6 17.8 17.8 19.2 19.1	32.39 21.08 19.84	32.62 21.01 19.84	32.68 33.12 34.55				
1 2 3	26 24 29	42' W	1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6	32.39 21.08 19.84 30.32	32.62 21.01 19.84 30.44	32.68 33.12 34.55 32.02				
1 2 3 4 5	26 24 29 27 17	42' W 1 2 3 4 5	1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1	32.39 21.08 19.84 30.32 28.99	32.62 21.01 19.84 30.44 35.41	32.68 33.12 34.55 32.02 33.91				
1 2 3 4 5	26 24 29 27 17 21	42' W 1 2 3 4 5 6 7 8	1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 26.7 30.7 28.2	32.39 21.08 19.84 30.32 28.99 31.01 32.79	32.62 21.01 19.84 30.44 35.41 32.99 32.76	32.68 33.12 34.55 32.02 33.91 35.40 34.14				
1 2 3 4 5 6 7 8	26 24 29 27 17 21 12 19 26	42' W 1 2 3 4 5 6 7 8 9	1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 36.1 28.3 26.7 30.7 28.2 27.8 27.8	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58				
1 2 3 4 5 6 7 8 9	26 24 29 27 17 21 12 19 26 23	42' W 1 2 3 4 5 6 7 8 9 10	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 36.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61				
1 2 3 4 5 6 7 8 9	26 24 29 27 17 21 12 19 26 23 23	42' W 1 2 3 4 5 6 7 8 9 10 11	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24 34.11	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61 34.16				
1 2 3 4 5 6 7 8 9 10 11	26 24 29 27 17 21 12 19 26 23 23 12	42' W 1 2 3 4 5 6 7 8 9 10 11 12	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 18.7	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 36.7 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24 34.11 35.33	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61 34.16 35.31				
1 2 3 4 5 6 7 8 9 10 11 12 13	26 24 29 27 17 21 12 19 26 23 23 12 22	42' W 1 2 3 4 5 6 7 8 9 10 11 12 1	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 18.7	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 36.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6 14.6 14.6	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48 33.73	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24 34.11 35.33 33.79	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61 34.16 35.31				
1 2 3 4 5 6 7 8 9 10 11	26 24 29 27 17 21 12 19 26 23 23 12	42' W 1 2 3 4 5 6 7 8 9 10 11 12	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 18.7 14.7 14.5 16.4 16.4	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6 14.6 14.6 16.4 16.4	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48 33.73 34.81	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24 34.11 35.33 33.79 34.89	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61 34.16 35.31 35.11 34.87				
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14	26 24 29 27 17 21 12 19 26 23 23 12 22 10	42' W 1 2 3 4 5 6 7 8 9 10 11 12 1	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 18.7 14.7 14.5 16.4 16.4	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 36.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6 14.6 14.6	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48 33.73 34.81	32.62 21.01 19.84 30.44 35.41 32.39 32.76 32.37 32.24 34.11 35.33 33.79 34.89	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61 34.16 35.31				
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	E: 89 26 24 29 27 17 21 12 19 26 23 23 12 22 10 28 24 17	1 2 3 4 4 5 6 6 7 7 8 9 9 10 11 12 1 1 2 2 4 4 5 5	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 18.7 14.7 14.5 16.4 16.4 15.5 15.5 22.3 22.3 24.9 22.3 22.3	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6 14.6 14.6 16.4 16.4 15.5 15.5 19.9 19.9 24.4 23.6	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48 33.73 34.81 32.86 17.88	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24 34.11 35.33 33.79 34.89 32.84 18.01	32.68 33.12 34.55 32.02 33.41 35.40 34.14 32.58 35.61 34.16 35.31 35.81 35.81 36.87 36.87				
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	E: 89 ⁰ 26 24 29 27 17 21 12 19 26 23 22 22 21 10 28 24 17 20	1 2 3 4 5 6 7 8 9 10 11 12 1 2 2 4 5 5 6	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 16.7 14.5 16.4 16.4 15.5 15.5 22.3 22.3 24.2 24.3 30.1 30.1	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6 14.6 14.6 16.4 16.4 15.5 15.5 19.9 24.4 23.6 22.1	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48 33.73 34.81 12.86 17.88 15.47	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24 34.11 35.33 33.79 34.89 32.84 18.01 15.60 24.71	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61 34.16 35.31 35.11 34.87 34.87 30.20 21.36				
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19	E: 89 ⁰ 26 24 29 27 17 21 12 19 26 23 12 22 10 28 24 17 20 12	1 2 3 4 5 6 6 7 8 9 10 11 12 1 2 2 4 5 6 6 7	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 18.7 14.7 14.5 16.4 16.4 15.5 15.5 22.3 22.3 24.9 24.9 30.1 30.1 29.2 24.3	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6 14.6 14.6 16.4 16.4 15.5 15.5 19.9 19.9 24.4 23.6 24.0 22.1 27.7 27.0	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48 33.73 34.81 32.86 17.88 15.47 20.51	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.24 34.11 35.33 33.79 34.89 32.84 18.01 15.60 24.71 31.14	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61 34.16 35.31 34.87 34.87 30.20 21.36 36.24				
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	E: 89 ⁰ 26 24 29 27 17 21 19 26 23 23 12 20 10 28 24 17 20 12 24 24 24	1 2 3 4 5 6 7 8 9 10 11 12 1 2 2 4 5 6 6 7 8 8 9	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 18.7 14.7 14.5 16.4 16.4 15.5 15.5 22.3 22.3 24.2 24.3 30.1 30.1 29.2 29.2 31.7 30.0	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6 14.6 14.6 16.4 16.4 15.5 15.5 19.9 19.9 24.4 23.6 24.0 22.1 27.7 27.0 29.2 28.4	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48 33.73 34.81 32.86 17.88 15.47 20.51 31.19	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24 34.11 35.33 33.79 34.89 32.84 18.01 15.60 24.71 31.14	32.68 33.12 34.55 32.02 33.91 35.40 34.14 32.58 35.61 34.18 35.31 35.31 36.35 37.31 38.87 39.20 21.50 21				
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	E: 89 ⁹ 26 24 29 27 17 21 19 26 23 23 10 28 24 17 20 12 24 20	1 2 3 4 5 6 7 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	1963 1963 1963 1963 1963 1963 1963 1963	14.6 14.6 19.9 19.4 25.4 25.4 26.9 26.9 28.4 28.3 29.2 29.2 30.0 30.3 27.8 27.8 24.9 24.9 22.3 22.3 18.7 18.7 14.7 14.7 14.5 16.4 16.4 15.5 15.5 22.3 22.3 24.9 24.3 30.1 30.1 29.2 29.2 31.7 30.0 28.1 27.9	14.6 14.6 17.8 17.8 19.2 19.1 25.6 22.6 27.7 26.1 28.3 26.7 30.7 28.2 27.8 27.8 26.1 27.1 22.3 22.4 18.7 18.6 14.6 14.6 16.4 16.4 15.5 15.5 19.9 19.9 24.0 22.1 27.7 27.0 29.2 28.4 28.3 28.2	32.39 21.08 19.84 30.32 28.99 31.01 32.79 32.54 32.02 34.12 35.48 33.73 34.81 32.86 617.88 15.47 70.51 31.19	32.62 21.01 19.84 30.44 35.41 32.99 32.76 32.37 32.24 34.11 35.33 33.79 32.84 18.01 15.60 24.71 31.14 31.65 30.10	32.68 33.12 33.12 33.91 35.40 34.14 35.61 34.16 35.31 35.11 34.87 30.20 21.50 21.36 36.24 37.30 38.30 38.30 39.30 30				
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STATION F-26
DEPTH: 29 M
LATITUDE: 29 05' N
LONGITUDE: 89 42' W

		Manakh	V	<u>-</u>		T	emperati	re (°C)							Inity (o) Depth (M)	(00)		
ruise	Day	Month	Year		3	11	Jepth 24	43	70 1	07	8	0	3	11	24	43	70	10
				15.4			3.6.6				16.5	33.22	33.20	33.17	34.44			
1	26 24	1	1963	15.4	15.4	15.4 14.8	16.5				16.5	31.97	32.11	32.86	33.52			
3	29	3	1963	18.8	18.8	18.6	18.3				18.3	20.40	20.64	30.02	35.37			
4	27	4	196 (.5.8	25.8	22.2	20.1				20.1	21.50	21.43	27.30	36.11			
5	17	5	1963	.7.4	27.4	24.1	21.7				20.7	32.00	31.99	35.83	36.50			
6	21	6	1963	28.1	27.9	27.4	20.2				20.3	32.64	32.66	33.41	36.40 39.26			
7 8	12	7 8	1963 1963	29.9 30.2	29.9	28.9	21.9				20.4	29.89 33.74	30.34	34.99	34.84			
8	26	9	1963	.8.1	27.9	27.9	28.1				28.1	33.21	33.16	33.14	33.20			
10	23	10	1963	25.1	25.1	25.9	27.2				17.2	31.52	31.45	32.89	36.60			
11	23	11	1963	23.6	23.6	23.8	23.6				24.1	35.48	35.63	35.92	36.28			
12	12	12	1963	20.8	20.8	20.8	20.8				16.3	36.16	36.16	36.15	36.26			
13	3.2	1	1964	15.9	15.9	15.9	16.0				16.1	34.86	34.69 35.04	34.81 35.00	35.59 35.13			
14	10	2	1964	17.2 15.8	17.2	17.2	17.3				18.7	32.88	32.76	33.89	35.47			
15 16	28 24	4	1964 1964	22.3	22.2	22.4	19.8				18.6	24.78	27.48	33.93	35.82			
17	17	5	1964	23.7	23.7	23.9	22.9				21.3	15.77	16.56	24.17	31.58			
18	20	6	1964	29.7	29.5	26.5	22.1				21.4	19.53	19.77	35.73	36.58			
19	12	7	1964	29.8	29.8	28.8	26.5				25.3	26.93	27.00	34.34	36.73			
23	24	В	1964	30.8	29.8	29.5	24.7				22.6	27.70	28.01 33.40	30.18 34.23	36.49 36.3L			
21	20	1	1964 1964	28.1 12.6	28.1	22.7	27.0				27.0	33.56	33.40	34.23	34.78			
22	23	1	1964	22.2	22.6	22.7	24.6				24.6	29.66	29."4	33. 4	36.42			
24	11	12	1964	19.1	19.1	19.1	18.4				19.3	32.78	32.83	32.78	31.65			
25	17	1	1965	17.5	17.5	18.9	.1				11.	(3,03	32.99	34.49	36.40			
26	12	2	1965	18.7	18.3	18.3	20. (20.6	29.28	30.13	32.45	35.77			
27	15	3	1465	16.7	16.7	16.5	17.9				20.0	21.62 14.26	25.48 17.5€	31.88 36.02	3°.28			
28	17	4	1965	24.3	24.2	22.3	20.2				23.5	18.35	18.38	36.19	36.73			
30	22	6	1965 1965	28.0	25.3	28.0	25.9				25.9	22.35	.2.80	27,67	35.41			
12	.2	В	1965	28.7	28.6	19.	17.1				25.5	28.20	28.18	32.79	36.65			
34	. 3	10	1965	23.1	23.2	24.7	26				26	316	32.1.	33.51	35.23			
35	4	12	196"	21.3	21.7	12.6	24.				24.	33.30	379	33.73	355			
ONGITU	E: 28°C	42' W		1														
1	26	1	1963	16.0	16.	16.2	16.9	18.6			18.7	43.33	33.41	33.80	34.42	35.68		
-	25	2	1963	14.7	14.4	15.2	15.€	16.9			17.1	31.74	31.92	33.38	34.16 36.16	35.62 36.24		
3	29 27	3	1963 1963	17.7	19.9	19.6	19.8	19.8			19.9	16.38	23.54	31.79	36.30	36.26		
4	17	4 5	1963	27.4	27.2	24.1	22.0	19.1			19.0	30.80	30.84	36.07	36.57	36.34		
6	21	6	1963	28.0	27.8	27.6	20.9	18.9			18.3	32.42	32.51	32.90	36.41	36.36		
7	12	7	1963	29.8	29.8	29.7	24.2	19.3			18.6	31.65	31.66	32.68	36.52	36.36		
8	20	8	1963	30.1	30.0	30.0	24.4	20.2			20.1	33.88	33.80	33.85	36.48	36.35		
9	26	9	1963	27.8	27.5	27.8	28.0	28.0			28.0	33.35 31.77	33.25 31.65	33.41	34.08 36.04	34.41 36.65		
10 11	23	10 11	1963 1963	25.1 23.2	25.1	26.1	26.7	26.4			26.0	35.51	35.58	35.52	35.96	36.17		
12	12	12	1963	21.6	21.6	21.4	21.4	20.7			20.3	36.40	36.47	36.51	36.50	36.43		
13	22	1	1964	19.1	19.1	19.1	19.1	17.2			16.9	36.53	36.50	36.52	36.46	36.18		
14	10	2	1964	17.2	17.2	17.3	18.1	18.8			18.8	34.89	34.84	34.87	35.43	36.24		
15	28	2	1964	16.6	16.6	16.8	17.2	17.8			17.8	33.14	33.05	33.78 36.65	35.87 36.81	36.50 36.78		
16	24	4 5	1964	22.1	22.2	22.9	22.3	19.3			18.9	30.79 17.92	32.97 17.80	28.79	35.99	36.33		
17 18	17 20	6	1964 1964	23.7	23.8	23.8	24.4	18.6			18.4	18.59	19.01	35.41	31.40	36.31		
19	12	7	1964	29.5	29.6	28.8	27.8	21.8			19.2	28.99	33.37	36.32	36.64	36.66		
20	14	6	1964	29.8	29.7	29.5	27.7	20.7			20.3	29.79	29.64	32.24	36.50	36.53		
21	20	9	1964	28.5	28.5	28.7	28.2	22.2			21.4	29.79	29.78	31.46	35.78	36.50		
	23	10	1964	22.7	22.7	22.8	25.1	25.1			24.9	33.31	33.26 36.22	33.60 36.41	36.47 36.31	36.47 36.36		
22	1.3	11 12	1964 1964	24.1 19.7	24.1	24.2	24.2	24.2			24.3	36.15 33.65	33.78	33.87	35.65	36.15		
22 23		1.6		19.2	19.2	19.2	19.6	21.1			21.1	34.52	34.36	34.59	34.86	36.52		
22	11	1	1965			17.6	19.5	20.2			20.2	28.55	29.68	33.19	35.52	36.46		
22 23 24	11	1 2	1965 1965	18.7	18.3	21.0						30 30	24.96	22 00	2 4 72 2			
22 23 24 25 26 27	11 17 11 15	2	1965 1965	18.7 15.7	15.8	16.8	17.0	18.7			17.5	18.18		32.88	34.71	36.00		
22 23 24 25 26 27 28	11 17 11 15	3 4	1965 1965 1965	15.7 23.5	15.8 22.7	16.8 23.1	21.0	19.5			19.5	13.72	19.02	35.92	36.59	36.56		
22 23 24 25 26 27 28 29	11 17 11 15 17 22	2 3 4 5	1965 1965 1965 1965	15.7 23.5 24.7	15.8 22.7 24.7	16.8 23.1 24.5	21.0	19.5			19.5	13.72 36.27	19.02 36.62	35.92 36.37	36.59 36.49	36.56 36.50		
22 23 24 25 26 27 28 29 30	11 17 11 15 17 22 21	2 3 4 5 6	1965 1965 1965 1965 1965	15.7 23.5 24.7 27.8	15.8 22.7 24.7 27.7	16.8 23.1 24.5 27.5	21.0 24.0 27.0	19.5 21.3 23.3			19.5 21.3 22.1	13.72 36.27 20.92	19.02 36.62 21.15	35.92 36.37 30.44	36.59 36.49 36.28	36.56 36.50 36.47		
22 23 24 25 26 27 28 29	11 17 11 15 17 22	2 3 4 5	1965 1965 1965 1965	15.7 23.5 24.7	15.8 22.7 24.7	16.8 23.1 24.5	21.0	19.5			19.5	13.72 36.27	19.02 36.62	35.92 36.37	36.59 36.49	36.56 36.50		

STATION: E-43
DEPTH: 73 M
LATITUDE: 28⁰48' N
LONGITUDE: 89⁰42' W

ruise	Day	Month	Year			Te	emperati Depth		C)						inity	- 1)		
ruise	Day	MONTH	ieai	0	3	11	24	43	70	107	8	0		11	Depth -Ml 24	4)		10
1	26	1	1963	17.5	17.5	17.6	17.8	18.4	18.5		18.4	34.93	34.17	(5.11	35.60	36. 1	16 16	
2	25	2	1963	16.4	16.5	16.6	16.8	17.2	16.9		16.8	28.95	34.90	35.32	14.98	36.0	36.28	
3	29	3	1963	19.5	19.7	19.3	19.7	18.7	17.1		17.2	14.99	29.17	15.18	36.40	36.31	16.08	
4	27	4	1963	25.6	24.2	22.7	22.1	20.7	17.9		17.9	24.15	30.40	35.94	36.48	36.41	36,25	
5	16	5	1963	27.3	25.8	24.2	22.2	19.4	17.2		17.2	29.25	30.92	35.57	36.19	31.2-	6.38	
6	21	6	1963	28.4	28.3	28.2	25.0	20.7	17.4		17.4	31.52	31.52	32.33	36.43	36.51	36.40	
7	13	7	1963	29.4	29.6	29.3	25.6	19.4	17.3		17.3	33.49	33.04	35.07	36.32	34.74	36.42	
8	20	8	1963	29.6	29.7	30.2	25.6	20.8	16.+		16.6	33.48	33.34	33.75	36.48	36,41	36.17	
9	26	9	1963	27.9	27.9	28.1	28.2	28.3	28.4		28.3	35.50	35.40	35.78	35.93	36.00	36.18	
10	23	10	1963	26.7	26.8	26.9	27.1	27.2	.1.1		18.2	36.18	36.10	36.32	36.57	36.64	36.43	
11	2.3	11	1963	23.9	23.9	23.9	23.3	23.8	22.9		21.9	36.67	3662	36.70	36.68	36.76	36.67	
12	13	12	1963	22.4	22.4	22.4	22.1	21.7	19.6		18.1	36.95	36.62	36.57		36.59	36.39	
13	22	1	1964	19.2	19.2	19.1	18.8	18.2	17.0		16.9	36.63	36.60	36.62	36.63	16.5	36.37	
14	10	2	1964	17.2	17.2	17.7	17.8	17.8	17.8		16.0	34.87	34.93	35.97	36.47	36.38	36.59	
15	28	2	1964	15.2	15.4	17.3	18.8	18.8	18.3		17.8	32.08	32.17	33.57	36.25	36.41	36.36	
16	24	4	1964	21.3	21.2	22.0	22.5	22.0	18.4		18.3	29.69	33.06	35.58	36.52	36.78	36.51	
17	17	5	1964	24.6	24.6	23.9	23.9	22.9	18.4		17.6	24.55	24.19	32.80	36.39	36.57		
18	20	6	1964	30.7	30.7	30.5	28.2	14.4	19.8		19.8	18.67	18.90	36.55	36.80	36.72	36.48	
19	12	7	1964	29.9	29.4	28.6	27.7	24	_3.8		13.8	27.94	34.24	36.38	36.62	3h.82	35.88	
20	24	8	1964	29.7	29.6	28.1	25.4	.4.4	18.3		18.9	29.81	29.80	36.37	36,22	36.49	36.42	
21	20	9	1964	28.8	28.8	28.9	28.8	22.3	19.1		19.1	33.52	33.58	35.17	35.82	36.60	36.93	
22	23	10	1964	24.8	24.8	24.8	24.7	24.6	17.4		17.3	36.52	36.49	36.49	36.52	36.50	36.58	
23	13	11	1964	24.3	24.4	24.5	24.4	24.4	19.5		19.4	36.23	16.24	36.57	36.56	36.60	36.51	
24	11	12	1964	22.3	22.3	22.3	22.3	22.2	21.9		19.5	36,56	36.58	36.64	36.60	36,58	36.59	
26	11	2	1965	21.8	21.8	21.8	21.7	21.7	2 .8		20.6	36.72	3F.87	36.71	36.76	36.55	36.69	
28	17	4	1965	22.5	22.7	23.0	22.4	19.6	16.6		16.7	24.88	. 3.11	35.18	36.48	36.33	36.64	
29	23	5	1965	25.1	25.1	25.1	24.4	22.8	14.5		19.4	36.67	3€.73	36.70	36,66	36.61	36.54	
	21	6	1965	24.9	24.9	24.2	22.9	23.2				30.46	31.99	33,74	35.53	36.68	36.55	
32	21	8	1965	27.1	27.1	26.4	22.5	20.3	19.4		19.4	28,20	28.19	32.72	35.34	36.64	36.73	
33	20	9	1965	27.4	27.4	27.4	27.6	27.2	25.5		24.0	30.99	33.58	35.41	36.00		35.97	
34	28	10	1965	24.8	25.0	27.0	26.5	26.5	22.5		22.5	31.78	31,78	362	36.22	36.28	36.43	

Table 4. Monthly temperature and salinity observation at station on transact 4, 1965-1965

STATION: E-45
DEPTH: "M
LATITUDE: 29 00' N
LONGITUDE: 90 40' W

ruise	Day	Month	Year			T	emperat Depth		 				5.0	Death (
					3	11	24	43	107	В			11	. 4	4 -	16
2	23	2	1963	13.1	13.2					13.3	34.26	34.1.				
3	30	3	1963	20.4	20.4						25.85	25.82				
4	28	4	1963	26.2	26.2					.4.9	15.5.	25.55				
5	17	5	1963	27.2	25.0					23.5	21.97	32.13				
6	22	6	1963	26.8	26.8					26.8	28.97	29.05				
7	12	7	1963	29.6	30.2					28.8	25.16	29.26				
8	19	8	1963	29.4	29.2					28.8	32.37	366				
9	27	9	1963	27.7	27.7					27.1	35.63	35.59				
10	2.2	10	1963	25.1	25.0					24.9	32.60	32.38				
11	2.2	11	1963	20.8	20.8					20.7	34.21	34.10				
12	12	1.2	1963	17.2	17.1					17.2	35.06	35.20				
13	23	1	1964	14.7	14.2					14.6	34.90	34.92				
14	9	-	1964	13.0	14.2					14.8	32.04	32.44				
15	29	2	1964	14.8	14.8					14.7	33.77	33.77				
16	25	4	1964	23.8	23.7					21.2	18.21	18.21				
17	17	5	1964	24.9	24.8					24.8	16.70	16.81				
18	20	6	1964	31.3	30.0					24.8	00.00	21.38				
19	12	7	1964	29.4	29.3					26.4	27.39	28.18				
20	25	8	1964	30.2	30.5					28.2	26.33	26.94				
21	21	9	1964	28.7	28.7					28.7	31.03	31.00				
22	24	10	1964	21.3	21.3					21.3	34.09	33.48				
. 3	1.3	11	1964	22.6	22.5					22.0	30.60	30.47				
24	10	12	1964	16.8	16.6					15.8	32.73	32.71				
25	17	1	1965	15.5	15.6					15.7	30.18	30.12				
26	12	2	1965	18.8	18.8					18.8	31.45	31.33				
27	16	3	1965	17.8	17.7					16.6	28.42	28.31				
28	18	4	1965	22.7	22.8					22.8	25.78	25.70				
29	22	5	1965	25.4	25.4					24.9	19.61	20.81				
30	22	6	1965	27.8	27.8					27.8	25.46	25.37				
32	2	7	1965	28.5	28.6					29.1	30.74	30.76				
33	19	9	1965	28.2	28.2					28.2	31.22	31.18				
34	29	10	1965	20.6	20.5					20.3	31.13	30.86				
35	3	12	1965	19.0	19.2					19.4	31.74	31.85				

STATION E-24
DEPTH: 14 M
LATITUDE: 28°53' N
LONGITUDE: 90°40' W

	0.244	Month	Vone			T		°c)				_	Sa	linity (0/001		
:ruise	Day	Month	Year	0	3	11	Oepth (M) 24 43	70	107	8		3	11	Depth (M) 43	70	107
,	25	,	2042	16.3		1.5.2											
1 2	25 22	2	1963 1963	15.3	15.3	15.3				15.3	34.10	34.70	33.98				
3	30	3	1963	20.2	20.2	20.2				19.9	30.16	39.70	34.60				
4	28	4	1963	25.7	25.7	21.1				20.7	27.02	27.01	29.10				
5	17	5	1963	27.0	26.9	21.7				21.5	28.01	27.93	35.50				
6	22	6	1963	27.4	27.4	27.4				26.5	31.80	31.94	00.00				
7 8	12 19	7 8	1963	29.9	29.9	27.2				26.9	27.05	36.83	34.84				
9	27	9	1963 1963	29.8	29.9	30.0				28.8	32.98 35.78	32.90 35.65	35.00 35.62				
10	22	10	1963	25.7	25.7	25.0				25.5	33.77	33.75	33.02				
11	22	11	1963	21.3	21.3	21.4				21.6	34.97	35.04	35.08				
12	12	12	1963	19.2	19.2	19.1				19.0	35 85	35.80	36.15				
13	23	1	1964	15.2	14.7	14.7				14.8	35.16	35.11	35.29				
14 15	9	2	1964	15.7	15.7	15.7				15.6	35,38	35.30	35.32				
16	29 25	2	1964 1964	14.9 24.0	14.9	20.7				14.8	33.96 17.55	33.91 17.61	33.95				
17	17	5	1964	24.9	24.9	24.1				23.3	18.67	18.71	30.81				
18	20	6	1964	30.2	30.0	24.7				24.2	20.62	20.88	34.45				
19	12	7	1964	29.3	29.2	26.6				26.5	28.56	18.75	36.18				
20	25	8	1964	30.2	30.2	27.9				27.9	28.13	28.10	35.95				
21	20	9	1964	28.6	28.6	28.5				28.5	31.80	31.80	31.88				
22	24	10	1964	22.8	22.8	22.8				22.8	33.89	33.81	33.93				
23	13	11 12	1964 1964	22.7	22.6	23.0				23.7	30.36	30.31	00.00				
25	18	1	1965	18.3	18.3	17.8				17.8 18.5	33.28	33,26	33.39				
26	12	2	1965	19.1	19.1	19.1				19.1	34.48	34.42	34.55				
27	16	3	1965	17.5	17.5	16.3				16.3	30.87	30.86	32.68				
28	18	4	1965	23.0	23.0	20.2				20.2	27.35	27.48	30.86				
29	22	5	1965	25.0	25.0	25.2				24.0	26.44	27.03	32.43				
30	22	6	1965	27.8	27.8	27.9				26.8	25.68	25.60	30.15				
32	22	8	1965	28.3	28.7	28.7				28.2	31.29	30.88	33.89				
34	19 29	10	1965 1965	28.3	28.3	28.3				28.0	31.98	32.30	32.01				
35	3	12	1965	20.8	20.8	20.8				20.9	33.62	33.44	33.48				
1	27	1	1963	17.1	17.1	17.0	17.1			17 2	34.96	35.03	35. 34	25 53			
1 2	27 23	1 2	1963 1963	17.1	17.1	17.0	17.1			17.2	34.86 36.08	35.03 36.12	35.34 36.15	35.51 36.18			
				17.1 16.4 19.7	17.1 16.4 19.7	17.0 16.4 19.3	17.1 16.4 18.9			17.2 16.8 18.9	34.86 36.08 35.53	35.03 36.12 35.44	35.34 36.15 35.43	35.51 36.18 35.88			
2 3 4	23 29 23	3 4	1963 1963 1963	16.4 19.7 23.2	16.4 19.7 22.8	16.4 19.3 22.4	16.4 18.9 19.9			16.8 18.9 19.9	36.08 35.53 35.85	36.12 35.44 35.69	36.15 35.43 36.39	36.18 35.88 36.42			
2 3 4 5	23 29 23 16	2 3 4 5	1963 1963 1963 1963	16.4 19.7 23.2 26.7	16.4 19.7 22.8 26.4	16.4 19.3 22.4 25.0	16.4 16.9 19.9 21.9			16.8 18.9 19.9 21.2	36.08 35.53 35.85 31.47	36.12 35.44 35.69 31.50	36.15 35.43 36.39 34.92	36.18 35.88 36.42 36.02			
2 3 4 5	23 29 23 16 21	2 3 4 5	1963 1963 1963 1963	16.4 19.7 23.2 26.7 28.4	16.4 19.7 22.8 26.4 28.4	16.4 19.3 22.4 25.0 28.1	16.4 18.9 19.9 21.9			16.8 18.9 19.9 21.2 21.9	36.08 35.53 35.85 31.47 33.17	36.12 35.44 35.69 31.50 33.18	36.15 35.43 36.39 34.92 33.60	36.18 35.88 36.42 36.02 36.21			
2 3 4 5 6	23 29 23 16 21	2 3 4 5 6 7	1963 1963 1963 1963 1963	16.4 19.7 23.2 26.7 28.4 29.6	16.4 19.7 22.8 26.4 28.4 29.6	16.4 19.3 22.4 25.0 28.1 29.7	16.4 16.9 19.9 21.9 21.9			16.8 18.9 19.9 21.2 21.9 21.9	36.08 35.53 35.85 31.47 33.17 31.85	36.12 35.44 35.69 31.50 33.18 31.76	36.15 35.43 36.39 34.92 33.60 33.77	36.18 35.88 36.42 36.02 36.21 36.39			
2 3 4 5	23 29 23 16 21	2 3 4 5	1963 1963 1963 1963 1963 1963	16.4 19.7 23.2 26.7 28.4	16.4 19.7 22.8 26.4 28.4	16.4 19.3 22.4 25.0 28.1 29.7 30.1	16.4 18.9 19.9 21.9 21.9 22.4 23.9			16.8 18.9 19.9 21.2 21.9 21.9	36.08 35.53 35.85 31.47 33.17 31.85 33.94	36.12 35.44 35.69 31.50 33.18 31.76 00.00	36.15 35.43 36.39 34.92 33.60 33.77 34.35	36.18 35.88 36.42 36.02 36.21 36.39 36.27			
2 3 4 5 6 7 8 9	23 29 23 16 21 13 19 26 22	2 3 4 5 6 7 8	1963 1963 1963 1963 1963 1963 1963 1963	16.4 19.7 23.2 26.7 28.4 29.6 29.9 28.2 26.2	16.4 19.7 22.8 26.4 28.4 29.6 30.0	16.4 19.3 22.4 25.0 28.1 29.7	16.4 16.9 19.9 21.9 21.9			16.8 18.9 19.9 21.2 21.9 21.9	36.08 35.53 35.85 31.47 33.17 31.85	36.12 35.44 35.69 31.50 33.18 31.76	36.15 35.43 36.39 34.92 33.60 33.77	36.18 35.88 36.42 36.02 36.21 36.39			
2 3 4 5 6 7 8 9	23 29 23 16 21 13 19 26 22 22	2 3 4 5 6 7 8 9	1963 1963 1963 1963 1963 1963 1963 1963	16.4 19.7 23.2 26.7 28.4 29.6 29.9 28.2 26.2 23.1	16.4 19.7 22.8 26.4 28.4 29.6 30.0 28.2 26.2 23.1	16.4 19.3 22.4 25.0 28.1 29.7 30.1 28.1 26.3 23.1	16.4 16.9 19.9 21.9 21.9 22.4 23.9 28.0 26.5 23.0			16.8 18.9 19.9 21.2 21.9 23.9 28.0 26.6 23.0	36.08 35.53 35.85 31.47 33.17 31.85 33.94 36.15 34.44 36.01	36.12 35.44 35.69 31.50 33.18 31.76 00.00 36.24 36.72 36.97	36.15 35.43 36.39 34.92 33.60 33.77 34.35 36.31 36.18 35.99	36.18 35.88 36.42 36.02 36.21 36.39 36.27 36.48 36.35			
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STATION: E-22 DEPTH: 46 M LATITUDE: 28°22' N LONGITUDE: 90°40' W

		Manage		-		Te	emperati		.)		+		>al:	inity un	-0.	
ruise	Day	Month	Year	0		11	Depth _4	(M)		8	-		11	Depth (M)	4	
_	-			-												
1	28	1	196+	19.2	19.	19.2	19.2	19.3		19	36 9	36	36.41	36.3	3f , 3	
2	2.3	2	1963	16.9	16.9	16.9	16.9	16.3		17.0	36.38	16	36.65	36.3	16.43	
3	28	3	1963	20.4	20.4	20.3	20.1	19.4		19.4	36.43	36.	36.16	3h. 19	36.43	
4	2.2	4	1963	23.2	22.8	22.6	21.9	19.3		19.4	36.53	36.19	36.60	36.58	36.56	
5	16	5	1963	25.8	25.6	25.4	24.6	20.2		20.2	36.79	36.62	36.67	1165	36.53	
6	21	E	1963	28.7	28.7	28.3	23.9	20.9		.30.9	33.85	33.77	34.34	36.28	16.46	
	13	7	1963	29.7	29.8	29.8	26.7	21.1		.0.4	32.47	32.30	32.87	34.9	4.45	
9	19	8	1963	29.9	29.9	30.0	27.2	22.1		22.0	33,98	33.88	34.92	35.23	36 . 40	
9	26	q	1963	28.3	28.3	28.3	28.2	28.2		28	36.46 36.66	36.55 36.68	36.45 36.61	36.44 36.69	36.40	
10	22	10 11	1963 1963	23.7	23.7	28.9	23.6	26,9		26.6	36.71	36.67	36.75	36.68	36,69	
12	15	12	1963	20.4	20.4	20.4	20.4	20.4		20.4	36.53	36.54	36.47	36.50	36.52	
13	20	1	1964	19.2	19.2	19.2	18.5	18.4		18.4	36.47	36.50	36.48	36.59	36.52	
14	9	2	1964	18.2	18.2	18.1	18.1	18.0		18.0	36.75	36.64	36.56	36.61	36.58	
15	1	3	1964	17.5	17.5	17.5	17.5	17.5		17.1	36.58	36.61	36.59	36.57		
16	24	4	1964	23.4	23.2	22.7	21.8	19.7		19	36,92	36.89	36.88	36.68	16.63	
17	14	E,	1964	25.3	25.3	25.1	24.3	20.8		20.5	36.81	36.76	36.95	36 73	36.52	
18	19	ь	1964	27.6	27.6	27.6	26.9	22.8			36.88	36,90	36.88	36,90	36.,74	
19	11	7	1964	29.2	29.1	28.4	27.8	22.6		20.7	30.60	30.70	36.14	36.65	36.73	
20	23	8	1964	30.6	30.4	29.8	26.7	21.4		.1.4	31.78	31.58	31.66	36.60	36.55	
21	19	9	1964	29.5	29.4	29.3	29.3	25.7		22.7	35.92	35.92	35.89	36 . 15	36.5.	
22	23	10	1964	24.6	24.6	24.6	24.6	24.7		24.7	36.26	36.31	36.29	36.44	36.37	
23	12	11	1964	23.9	23.9	23.8	23.8	24.1		24.1	32.86	35.99	35.97	36.10	36.46	
24	12	1.2	1964	21.5	21.6	21.6	21.6	21.5		21.8	36.44	36.42	36.47	36.55	36.49 36.58	
25	19	1	1965	20.3	20.3	20.3 17.6	20.2	20.2		21.2	36.63	36.61	36.62 34.48	36,63 36,32	36.42	
27	15 17	3 4	1965 1965	13.0	23.0	22.9	22.5	22.5		18.7	36.33	36.37	36., 18	36.39	36.35	
29	23	4	1965	24.7	24.7	24.7	24.5	21.2			36.64	36.59	b , 61	36.60	36.48	
30	21	6	1965	28.2	28.2	28.1	27.0	24.1		24.1	36.20	36.35	36.47	36.56	36.54	
32	20	8	1965	29.0	29.0	29.0	28.7	23.2		22.7	34.29	34 36	34.43	36.11	36.58	
33	18	9	1965	28.5	28.5	28.0	27.7	26.5		26.5	32.70	32.1.	33,51	34.43	35.86	
34	30	10	1965	25.5	25.5	25.5	25.5	25.6		25.6		36.03	36.06	36.1+	36.29	
TATION:	73 M	3.42. N								25.6	36.19	36,113	50.00	,,,,,,		
EPTH:										29.0	36.19	30,113	50.00	,,,,,,		
EPTH:	73 M : 28°		1963	19.3	19.2	19.2	19.1	19./	18.		36.19	36.48	36.48	36.41	36.47	36.43
EPTH:	73 M : 28°1 0E: 90° 28 23	40° W	1963		19.2 18.2	19.2 18.2	19.1	19.1	18.0	17.9	1 1 36.39 €.53	36.48 46.42	36.48 36.52	36.41 36.61	36.47 36.53	36.51
EPTH: ATITUDE ONGITUE 1 2 3	73 M 2: 28°1 0E: 90° 28 23 28	240° W	1963 1963	19.3 18.3 21.4	19.2 18.2 21.1	19.2 18.2 20.9	19.1 18.1 20.8	19.7 18.1 19.7	18.9	17.9 18.9	36.39 €.53 36.70	36.48 46.42 36.59	36.48 36.52 36.57	36.41 36.61 36.61	36.47 36.53 36.54	36.51 36.42
EPTH: ATITUDE ONGITUE 1 2 3 4	73 M :: 28°1 0E: 90° 28 23 28 23	1 2 3 4	1963 1963 1963	19.3 18.3 21.4 23.7	19.2 18.2 21.1 23.3	19.2 18.2 20.9 22.7	19.1 18.1 20.8 22.1	19.1 18.1 19.7 20.6	18.9 18.6	17.9 18.9 18.0	36.39 66.53 36.70 36.65	36 , 48 46 , 42 36 , 59 36 , 58	36.48 36.52 36.57 36.62	36.41 36.61 36.61 36.62	36.47 36.53 36.54 36.42	36.51 36.42 00.00
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EPTH: ATITUDE ONGITUE 1 2 3 4	73 M 2: 28°1 0E: 90° 28 23 28 23 16 21	340° W 1 2 3 4 5 6	1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4	19.2 18.2 21.1 23.3 25.6 28.4	19.2 18.2 20.9 22.7 25.1 28.3	19.1 18.1 20.8 22.1 24.6 27.2	19.1 18.1 19.7 20.6 22.3 23.3	18.9 18.6 18.3 18.7	17.9 18.9 18.0 18.3 18.8	36.39 46.53 36.70 36.65 36.65 36.65	36 . 48 46 . 42 36 . 59 36 . 65 36 . 65	36.48 36.52 36.62 36.62 35.85	36.41 36.61 36.61 36.62 36.61 36.42	36.47 36.53 36.54 36.42 36.57 36.54	36.51 36.42 00.00 36.41 36.37
EPTH: ATITUDE ONGITUE 1 2 3 4 5 6 7	73 M 2: 28°1 0E: 90°2 28 23 28 23 16 21 13	1 2 3 4 5 6 7	1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.4	19.2 18.2 21.1 23.3 25.6 28.4 29.4	19.2 18.2 20.9 22.7 25.1 28.3 29.7	19.1 18.1 20.8 22.1 24.6 27.2 26.1	19.7 18.1 19.7 20.6 22.3 23.3 21.9	18.9 18.6 18.3 18.7	17.9 18.9 18.0 18.3 18.8 17.7	36.39 €.53 36.70 36.65 36.65 37.75 33.78	36.48 46.42 36.59 36.65 36.65 35.84 33.63	36.48 36.52 36.57 36.62 36.62 35.85 34.19	36.41 36.61 36.61 36.62 36.61 36.42 35.56	36.47 36.53 36.54 36.42 36.57 36.54 36.51	36.51 36.42 00.00 36.41 36.37 36.47
EPTH: ATITUDE ONGITUE 1 2 3 4 5	73 M 2: 28°1 0E: 90°2 28 23 28 23 16 21 13 19	340° W 1 2 3 4 5 6	1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.4	19.2 18.2 21.1 23.3 25.6 28.4 29.4 29.9	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6	18.9 18.6 18.3 18.7 18.9	17.9 18.9 18.0 18.3 18.8 17.7 19.7	36.39 £.53 36.70 36.65 36.65 35.75 33.78	36.48 46.42 36.59 36.65 35.84 33.63 34.31	36.48 36.52 36.57 36.62 36.62 35.85 34.19	36.41 36.61 36.62 36.61 36.42 35.56 36.15	36.47 36.53 36.54 36.57 36.54 36.51 36.51	36.51 36.42 00.06 36.41 36.37 36.47
EPTH: ATITUDE DNGITUE 1 2 3 4 5 6 7 8 9	73 M 6: 28°; 90° 28 23 28 23 16 21 13 19 26	1 2 3 4 5 6 7 8	1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5	18.9 18.6 18.3 18.7 18.9 19.8 24.4	17.9 18.9 18.3 18.3 17.7 19.7 23.1	36.39 6.53 36.70 36.65 36.65 33.78 34.34 36.55	36.48 46.42 36.59 36.65 35.84 33.63 34.31 36.54	36.48 36.57 36.62 36.62 35.85 34.19 36.52	36. 41 36. 61 36. 62 36. 61 36. 42 35. 56 36. 15 36. 50	36.47 36.53 36.54 36.42 36.57 36.54 36.51 36.50 36.51	36.51 36.42 00.00 36.41 36.37 36.47
EPTH: ATITUDE ONGITUE 1 2 3 4 5 6 7 8 9	73 M E: 28° E: 90° 28 23 28 23 16 21 13 19 26 22	1 2 3 4 5 6 7 8 9 10	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.4 29.9 27.7 27.1	19.2 18.2 21.1 23.3 25.6 28.4 29.4 29.9 27.7 27.0	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8	18.9 18.6 18.3 18.7 18.9 19.8 24.4 24.7	17,9 18,9 18,3 18,8 17,7 19,7	36.39 6.53 36.70 36.65 36.65 37.75 33.78 34.34 36.55 36.60	46. 48 46. 42 36. 59 36. 65 35. 84 33. 63 34. 31 36. 54 36. 55	36.48 36.52 36.57 36.62 35.85 34.19 34.91 36.52 36.60	36.41 36.61 36.62 36.61 36.42 35.56 36.15	36.47 36.53 36.54 36.57 36.54 36.51 36.51	36.51 36.42 00.00 36.41 36.37 36.47 36.42 36.56
EPTH: TITUDE DNGITUD 1 2 3 4 5 6 7 8 9	73 M 6: 28°; 90° 28 23 28 23 16 21 13 19 26	1 2 3 4 5 6 7 8	1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5	18.9 18.6 18.3 18.7 18.9 19.8 24.4	17.9 18.9 18.3 18.3 17.7 19.7 23.1	36.39 6.53 36.70 36.65 36.65 33.78 34.34 36.55	36.48 46.42 36.59 36.65 35.84 33.63 34.31 36.54	36.48 36.57 36.62 36.62 35.85 34.19 36.52	36.41 36.61 36.62 36.61 36.42 35.56 36.15 36.50 36.62	36.47 36.53 36.54 36.57 36.54 36.51 36.51 36.71	36, 51 36, 42 00, 00 36, 41 36, 37 36, 47 36, 42 36, 56 36, 5e
EPTH: ATITUDE DNGITUE 1 2 3 4 5 6 7 8 9 10 11	73 M (c: 28°) (E: 90°) 28 23 28 23 16 21 13 19 26 22 23	1 2 3 4 5 6 7 8 9 10 11	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0	19.2 18.2 21.1 23.3 25.6 28.4 29.4 29.9 27.7 27.0 24.0	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 23.9	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9	19.7 18.1 19.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9	18.9 18.6 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7	17.9 18.9 18.0 18.3 18.8 17.7 19.7 23.1 19.9 20.7	36,39 4,53 36,70 36,65 30,65 31,75 31,78 34,34 36,50 36,78 46,63	36 . 48 46 . 42 36 . 59 36 . 58 36 . 65 33 . 63 34 . 31 36 . 54 36 . 58 36 . 78	36.48 36.52 36.62 36.62 35.85 34.19 34.91 36.62 36.63 36.63	36.41 36.61 36.62 36.61 36.55 36.15 36.15 36.62 36.74 36.62	36.47 36.53 36.54 36.57 36.57 36.51 36.51 36.74 36.74 36.76 36.60	36.51 36.42 00.00 36.41 36.37 36.47 36.56 36.59 36.67 36.67
EPTH: ATITUDE DNGITUE 1 2 3 4 5 6 7 8 9 10 11	73 M SE 28 190 28 23 28 23 16 21 13 19 26 22 23 15	1 2 3 4 5 6 7 8 9 10 11 12	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 23.9 21.9	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9 21.9	18.9 18.6 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 18.1	17.9 18.9 18.8 18.8 17.7 19.7 13.1 19.9 20.7 20.7 20.7 25.6 17.9	16.39 16.53 36.70 16.65 36.65 36.75 13.78 34.34 36.55 36.60 36.78 16.64 16.63	36, 48 46, 42 36, 59 36, 65 35, 84 33, 63 34, 31 36, 54 36, 78 36, 67 36, 67	36.48 36.57 36.62 36.62 35.85 34.19 34.91 36.63 36.63 36.63	36. 41 36. 61 36. 61 36. 62 36. 61 36. 42 35. 56 36. 50 36. 62 36. 64 36. 63	36.47 36.53 36.54 36.54 36.51 36.51 36.74 36.76 36.60 36.60	36.51 36.42 00.00 36.41 36.37 36.47 36.42 36.56 36.67 36.67 36.65
EPTH: ATITUDE DNGITUD 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	73 M 1: 28° 1 1: 28° 2 28° 23 28° 23 16° 21 13° 19° 26° 22° 23° 15° 20° 9° 1	1 2 3 4 5 6 7 8 9 10 11 12 1 2 3	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 23.9 21.9 16.2 19.0	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 16.2 19.0	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8 21.9 16.4 19.0 017.9	18.9 18.6 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 18.1 17.6	17.9 18.9 18.3 18.3 17.7 19.7 13.1 19.9 20.7 15.6 17.9	36,39 16,53 36,70 36,65 15,75 13,78 34,34 36,50 36,78 16,64 16,63 16,82 16,82	36.48 46.42 36.59 36.65 35.84 33.63 34.31 36.54 36.67 36.67 36.61 36.62	16.48 16.52 36.57 36.62 35.85 34.19 34.91 36.53 36.63 36.63 36.63 76.55	36.41 36.61 36.62 36.62 36.62 36.50 36.62 36.50 36.62 36.59 36.64 36.59	36.47 36.53 36.54 36.57 36.54 36.51 36.51 36.76 36.60 36.62 36.62 36.62	36.51 36.42 00.000 36.41 36.37 36.42 36.56 36.56 36.67 36.45 36.62 36.62
EPTH: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	73 M 1: 28° 190° 28 23 28 23 16 21 13 19 26 22 23 15 20 9	1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 23.9 21.9 16.2 19.0 18.0 22.7	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 21.9 018.0 018.0 021.6	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9 16.4 19.0 17.9	18.9 18.6 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 18.1 17.6 18.2	17.9 18.9 18.3 18.8 17.7 19.7 20.7 15.6 17.9 17.6 18.2	36.39 6.53 36.70 36.65 36.65 15.75 13.78 34.34 36.55 36.66 16.64 16.63 14.82 36.58	36, 48 46, 42 36, 59 36, 59 36, 65 33, 63 34, 31 36, 58 36, 78 36, 61 36, 62 36, 54	36.48 36.52 36.62 36.62 35.85 34.19 34.91 36.62 36.63 36.63 36.63 36.63 36.63	36. 41 36. 61 36. 61 36. 62 36. 61 36. 42 35. 55 36. 50 36. 62 36. 74 36. 64 36. 64 36. 66 36. 66 36. 67	36.47 36.53 36.54 36.57 36.57 36.51 36.74 36.76 36.76 36.62 36.58 in.62 36.75	36.51 36.42 00.00 36.41 36.37 36.47 36.47 36.50 36.50 36.67 36.67 36.65 36.66 36.66 36.66
EPTH: TITUDE DNGITUE 1 2 3 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17	73 M :: 28°1 :E: 90° 28 23 28 23 16 21 13 26 22 23 15 20 9 1 24 14	1 2 3 4 5 6 7 8 9 10 11 12 1 1 2 3 4 4 5 5	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.0 18.0 23.8 25.3	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 23.9 21.9 16.0 18.0 22.7	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 16.9 18.0 21.6 23.3	19.7 18.1 19.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9 21.9 21.9 41.9 41.9 41.9	18.9 18.6 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 18.1 17.6 18.2	10 17.9 18.9 18.3 18.8 17.7 19.7 20.7 20.7 20.7 20.7 15.6 17.9 17.6 18.2	1 36,39 16,53 16,70 16,65 13,78 14,34 16,55 16,60 16,63 14,82 16,58 16,89 16,89 16,89	46, 48 46, 42 36, 59 36, 58 35, 85 35, 84 33, 63 34, 31 36, 54 36, 67 36, 67 36, 67 36, 67 36, 67 36, 69 36, 59 36, 59	16.48 36.57 36.62 36.62 35.85 34.19 36.52 36.60 36.63 36.63 36.63 36.63 36.63 36.63	3641 3661 3661 3662 3661 3556 3615 3662 3474 3664 3664 3666 3666 3667 3667	36.47 36.53 36.54 36.57 36.54 36.51 36.30 36.51 36.76 36.60 36.60 36.68 36.58	36.51 36.42 00.00 36.41 36.37 36.42 36.50 36.67 36.67 36.67 36.63 36.66 36.66 36.66 36.66
PPTH: TITUDE DNGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	73 M 1: 28°1 28°2 28°23 16°21 13°19 26°22 23°15 20°9 1 24 14°19	1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 5 6	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 28.3	19.2 18.2 21.1 23.3 25.6 28.4 29.4 29.7 27.0 24.0 21.9 16.3 19.0 23.8 25.3 28.2	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 16.2 19.0 18.0 22.7 25.1	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 16.2 19.0 21.6 23.3 24.6 23.3 26.7	19.7 18.1 19.7 20.6 22.3 21.9 25.6 27.5 26.8 23.9 16.4 19.0 17.9 20.0 21.7 20.0 23.8	18.9 18.6 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 18.1 17.6 18.2 19.2	17.9 18.9 18.3 18.3 18.8 17.7 19.7 20.7 15.6 17.9 17.9 18.2 18.6 18.1	16.39 16.53 16.70 16.65 15.75 13.78 14.34 36.55 16.63 16.63 16.82 16.89 16.88	46. 48 46. 42 36. 59 36. 55 35. 84 33. 31 36. 54 36. 67 36. 67 36. 62 36. 62 36. 62 36. 62 36. 79 36. 94	16.48 16.52 36.57 36.62 36.62 36.62 36.34.19 34.91 36.60 36.83 36.62 16.77 36.55 36.95 36.95	3641 3661 3661 3662 3661 3642 355b 3650 3650 3660 3660 3660 3660 3660 3660 3660 3660 3660	36.47 36.53 36.54 36.57 36.51 36.51 36.51 36.74 36.74 36.76 36.62 36.62 36.75 76.62	36.51 36.42 00.00 36.41 36.37 36.47 36.44 36.56 36.67 36.67 36.66 36.66 36.66 36.66 36.66 36.66 36.66 36.66
EPTH: TTITUDE DNGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	73 M :: 28°) :E: 90° 28 23 28 23 16 21 13 19 26 22 23 25 15 20 9 1 24 14 19 11	1 2 3 4 5 6 7 7 8 9 10 11 12 1 2 3 4 5 6 6 7 7	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 28.3 29.4	19.2 18.2 21.1 23.3 25.6 28.4 29.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 21.9 16.2 19.0 18.0 22.7 25.2 28.1	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 11.9 119.0 18.0 23.3 26.7 21.7 21.7 21.7 21.7 21.7 21.7 21.7 21	19.7 18.1 19.7 20.6 22.3 21.9 25.6 27.5 26.8 23.9 21.9 21.9 21.9 20.1 20.7 20.7 20.7 20.7	18.9 18.6 18.3 18.7 18.9 19.8 24.4 723.1 20.9 15.7 18.1 17.6 18.2 19.5 19.5	17,9 18,9 18,8 18,8 18,8 17,7 19,7 20,7 20,7 20,7 20,7 15,6 17,9 17,6 18,2 18,6 18,1	136,39 16,53 16,65 30,65 15,75 13,78 34,34 36,55 36,60 36,78 16,64 16,63 16,88 16,88 36,95 33,57	46.48 46.42 36.59 36.58 35.84 33.63 34.31 36.54 36.59 36.67 36.67 36.67 36.69 36.91 36.91	16.48 16.52 36.52 36.62 35.85 34.19 30.52 36.63 36.63 36.63 36.65 56.95 10.81 36.79 30.61	3641 3661 3661 3662 3661 3558 3615 3662 3774 3662 3664 3664 3667	36.47 36.53 36.54 36.54 36.57 36.51 36.51 36.74 36.74 36.76 36.62 36.58 i6.62 36.75 76.62 36.75	16, 51 36, 42 00,00 36, 41 36, 47 36, 47 36, 42 36, 5e 36, 5e 36, 67 36, 62 36, 62 36, 66 36, 66 36, 66 36, 66 36, 66 36, 56 36,
PTH: TITUDE DNGITUE 1 2 3 4 5 6 7 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20	73 M 28 28 23 28 23 16 21 13 19 26 22 23 15 20 9 1 14 19 11 24 24 24 24 24 24 24	1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 5 6	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 28.3 29.4 4	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2 28.9	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 16.2 19.0 18.0 22.7 25.2 28.1 28.4	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 21.9 16.2 19.0 18.0 21.6 23.3 26.7 28.2 26.9	19.7 18.1 19.7 20.6 22.3 21.9 25.5 26.8 21.9 16.4 19.0 17.9 20.1 20.7 23.8 22.5 23.8	18.9 18.9 18.3 18.7 18.9 19.8 24.4 24.7 23.1 915.7 18.1 17.6 19.2 19.2 19.5 19.2	17.9 18.9 18.3 18.8 17.7 19.7 20.7 15.6 17.9 17.6 18.1 17.9 18.6 18.1 17.9	1 36.39 16.53 16.70 16.65 15.75 13.78 14.34 36.50 36.78 16.63 16.82 16.89 16.88 16.89 16.89 16.89 16.89 16.89	36, 48 46, 42 36, 59 36, 58 36, 65 35, 84 36, 54 36, 57 36, 66 36, 67 36, 69 36, 94 46, 94 46, 94 36, 91 35, 40 32, 09	16.48 16.52 36.57 36.62 35.85 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63	3641 3661 3661 3662 3663 3615 3650 3662 3662 3663 3663 3663 3663 3663 3663 3670 3663	36, 47 36, 53 36, 54 36, 57 36, 57 36, 51 36, 70 36, 76 36, 60 36, 62 36, 75 76, 62 36, 76 00, 00	36.51 36.42 00.00 36.41 36.37 36.47 36.44 36.56 36.67 36.67 36.66 36.66 36.66 36.66 36.66 36.66 36.66 36.66
EPTH: TTITUDE DNGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	73 M :: 28°) :E: 90° 28 23 28 23 16 21 13 19 26 22 23 25 15 20 9 1 24 14 19 11	1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 4 5 6 6 7 8 8 8 8 9 8 9 10 11 12 1 1 2 1 1 2 3 3 4 5 6 6 7 8 8 8 8 9 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 28.3 29.4	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 25.3 28.2 28.9 30.4	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 16.2 19.0 18.0 22.7 25.2 28.1 28.4 29.6	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 23.9 21.9 21.9 21.9 21.9 21.6 23.3 26.7 28.2 26.9	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9 21.9 21.9 20.1 20.7 23.8 22.5 21.9 22.5 22.5	18.9 18.9 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 18.1 17.6 18.2 19.5 19.2 19.5	17,9 18,9 18,8 18,8 18,8 17,7 19,7 20,7 20,7 20,7 20,7 15,6 17,9 17,6 18,2 18,6 18,1	136,39 16,53 16,65 30,65 15,75 13,78 34,34 36,55 36,60 36,78 16,64 16,63 16,88 16,88 36,95 33,57	46.48 46.42 36.59 36.58 35.84 33.63 34.31 36.54 36.59 36.67 36.67 36.67 36.69 36.91 36.91	16.48 16.52 36.52 36.62 35.85 34.19 30.52 36.63 36.63 36.63 36.65 56.95 10.81 36.79 30.61	3641 3661 3661 3662 3661 3558 3615 3662 3774 3662 3664 3664 3667	36.47 36.53 36.54 36.54 36.57 36.51 36.51 36.74 36.74 36.76 36.62 36.58 i6.62 36.75 76.62 36.75	16.51 36.42 00.00 36.41 36.47 36.47 36.47 36.59 36.59 36.67 36.62 36.66 36.66 36.66 36.68 36.68 36.68 36.68 36.68
EPTH: TITUDE DNGITUE 1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22	73 M	1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 4 5 6 6 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 28.3 29.4 30.3 29.6 25.2	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2 28.9 30.4 29.9	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 16.0 18.0 22.7 25.2 28.1 29.6 29.6 29.4	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 16.2 19.0 21.6 23.3 26.7 28.2 26.9 29.1	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9 21.9 11.9 19.0 17.9 20.0 20.7 23.8 22.5 21.2 22.2 24.7	18.9 18.9 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 18.1 19.2 19.5 19.2 18.3 19.9 22.3	17.9 18.9 18.8 18.8 17.7 19.7 19.7 20.7 20.7 20.7 20.7 15.6 17.9 17.9 17.9 17.9 18.6 18.1 17.9 18.3 19.9	1 36,39 16,53 16,70 16,65 13,78 14,34 16,55 16,63 16,63 16,88 16,88 16,88 16,88 16,95 13,78 16,88 16,95 16,58 16,95 16,58 16,95 16,58 16,95	36, 48 46, 42 36, 59 36, 65 35, 84 36, 65 33, 63 34, 31 36, 58 36, 78 36, 67 36, 69 36, 69 36, 69 36, 91 35, 40 32, 09 35, 86	16.48 36.52 36.67 36.62 35.85 34.91 34.91 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63	36. 41 36. 61 36. 61 36. 62 36. 61 36. 42 35. 58 36. 50 36. 62 37. 74 36. 64 36. 57 36. 66 36. 77 36. 68 36. 67 36. 67	36 . 47 36 . 53 36 . 54 36 . 57 36 . 54 36 . 51 36 . 51 36 . 76 36 . 60 36 . 58 36 . 75 70 . 62 36 . 58 36 . 75 70 . 62 36 . 58	36.51 36.42 00.00 36.41 36.37 36.47 36.42 36.56 36.67 36.67 36.62 36.66 36.66 36.66 36.56 36.68 36.56 36.68
EPTH: ATITUDE DNGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	73 M :: 28° !: 90° !: 28° !: 90° !: 28° !: 90° !: 9	1 2 3 4 5 6 7 8 9 10 11 12 2 3 4 4 5 5 6 7 7 8 8 9 9 10 11 12 1 12 1 12 1 12 1 14 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 30.3 29.4	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 25.3 28.2 28.9 30.4	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 16.2 19.0 18.0 22.7 25.2 28.1 28.4 29.6	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 23.9 21.9 21.9 21.9 21.9 21.6 23.3 26.7 28.2 26.9	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9 21.9 21.9 20.1 20.7 23.8 22.5 21.9 22.5 22.5	18.9 18.9 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 18.1 17.6 18.2 19.5 19.2 19.5	17.9 18.9 18.3 18.8 17.7 19.7 13.1 19.9 20.7 20.7 20.7 21.6 17.9 17.6 18.2 18.6 18.1 17.9 18.3	16.39 16.70 16.65 15.75 13.78 34.34 36.55 36.60 36.78 16.64 16.63 16.82 16.89 16.88 31.57 32.20	36. 48 46. 42 36. 59 36. 55 35. 84 33. 63 34. 31 36. 54 36. 67 36. 62 36. 62 36. 62 36. 69 46. 62 36. 94 36. 94 36. 94 36. 93 36. 93 96 96 96 96 96 96 96 96 96 96 96 96 96	36.48 36.52 36.62 35.85 34.19 36.52 34.83 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63	3641 3661 3661 3662 3661 3556 3615 3662 3474 3664 3664 3666 3667 3667 3667 3667	36.47 36.53 36.54 36.54 36.51 36.51 36.74 36.74 36.76 36.62 36.76 36.62 36.76 36.62 36.76 36.54 36.56 36.56 36.56 36.56	16, 51 36, 42 00,00 36, 41 36, 47 36, 47 36, 59 36, 69 36, 67 36, 62 36, 62 36, 62 36, 63 36, 63 36, 63 36, 64 36, 65 36,
EPTH: ATITUDE DNGITUE 1 2 3 4 5 6 7 7 8 9 11 12 13 14 15 16 17 18 19 20 21 22 23	73 M : 28° : 90° : 28° : 23° : 28° : 23° : 28° : 23° : 28° : 21° : 16° : 21° : 16° : 22° : 23° : 15° : 20° : 9° : 1° : 24° : 19° : 11° : 24° : 19° : 19° : 24° : 19° : 1	1 2 3 4 5 6 7 8 9 10 11 1 2 3 3 4 4 5 6 7 7 8 9 10 11 1 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 23.8 25.4 4 28.3 29.4 28.3 29.4 29.6 25.2 24.7	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2 28.9 30.4 429.6 25.2	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 16.2 19.0 18.0 22.7 25.1 28.4 29.4 25.2 24.8	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 16.2 19.0 21.6 23.3 26.7 28.2 26.7 28.2 26.9	19.7 18.1 19.7 20.3 23.3 21.9 25.6 27.5 26.8 23.9 21.9 16.4 19.0 17.9 20.0 21.7 23.8 22.5 22.5 22.5 22.5 22.5 22.5	18.6 18.6 18.3 18.7 19.8 24.4 23.1 20.9 15.7 18.1 17.6 19.2 19.2 19.5 19.2 19.3 19.3	17.4 18.4 18.3 18.8 17.7 19.7 20.7 20.7 20.7 20.7 15.6 17.9 17.6 18.2 18.1 17.9 18.3 19.9 19.4 21.2	1 36.39 16.53 16.70 16.65 15.75 13.78 14.34 16.63 16.63 16.82 16.89 16.88 16.95 13.57 12.20 15.98 16.53 16.95 13.77 12.20 15.98 16.72	36, 48 46, 42 36, 59 36, 55 35, 84 36, 65 36, 54 36, 57 36, 66 36, 67 36, 69 36, 91 35, 40 32, 09 35, 86 36, 67 36, 91 36, 91 36	16.48 16.52 36.62 36.62 35.85 34.19 34.91 35.52 36.63	3641 3661 3661 3662 3663 3615 3652 3674 3664 3659 3666 3670 3666 3687 3664 3664 3663 3687	36.47 36.53 36.54 36.54 36.51 36.51 36.76 36.51 36.76 36.60 36.62 36.75 76.62 36.75 76.63 36.75 36.75 36.75	16.51 36.42 00.00 36.41 36.37 36.47 36.42 36.59 36.67 36.67 36.62 36.66 36.66 36.66 36.58 36.58 36.58 36.49
EPTH: TTTUDE NINGITUE 1 2 3 4 4 5 6 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 3 224	73 M	1 2 3 4 5 6 7 8 9 10 11 12 2 3 4 5 6 7 8 9 10 11 12 12 12 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 30.3 29.4 30.3 29.6 25.2 24.7 22.5 21.6 20.1	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2 28.9 30.4 29.4 29.5	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 21.9 21.9 22.7 25.2 28.1 29.6	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 21.9 21.9 21.9 21.9 22.6 23.3 26.7 22.6 23.3 26.7 22.6 23.9 21.9 21.9 21.9 21.9 21.9 22.9 23.9 24.9 25.9 26.9 26.9 26.9 26.9 26.9 26.9 26.9 26	19.7 18.1 19.7 20.6 22.3 23.3 23.3 21.9 25.6 27.5 26.8 27.5 21.9 11.9 11.9 11.9 12.7 23.8 22.7 22.4 7 24.7 24.7 24.6	18.6 18.6 18.3 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 17.6 18.2 19.5 19.2 18.3 19.9 22.3 23.4 22.2	17.4 18.4 18.3 18.8 17.7 19.7 19.7 20.7 20.7 20.7 20.7 21.6 17.9 17.6 18.2 18.6 18.1 17.9 18.3 19.9 18.3 19.9 19.4 21.2 18.4 16.6	16.39 16.53 36.70 36.65 15.75 13.78 34.34 36.55 36.63 16.63 16.82 4.58 16.89 36.95 31.57 32.59 31.57 32.59 36.73 35.98	46. 48 46. 42 36. 59 36. 55 35. 84 33. 63 34. 31 36. 54 36. 66 36. 61 36. 62 36. 61 36. 94 46. 79 32. 99 32. 98 36. 54 36. 54 36. 65 36. 79	36.48 36.52 36.62 36.62 35.85 34.91 36.52 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63	3641 3661 3661 3662 3661 3642 35.5b 3662 3474 3664 3659 3667 3667 3667 3667 3667 3667 3667 3667 3667 3667	3647 3653 3654 3654 3651 3651 3676 3662 3658 4662 3658 4662 3658 4662 3658 4662 3658 4662 3658 4662 3658 4662 3658 4662 3658	16.51 36.42 00.00 36.41 36.37 36.47 36.42 36.5e 36.57 36.45 36.56 36.66 36.62 36.66 36.66 36.66 36.66 36.68 36.46 36.46 36.46 36.46 36.46 36.46
EPTH: ATITUDE MATITUDE MATITUD	7.3 M (1: 28°); EE: 90° 28 23 28 23 26 21 11 24 44 19 11 24 19 23 12 11 19 15 17	1 2 3 4 4 5 6 6 7 8 9 10 11 12 2 3 4 4 5 6 6 7 7 8 9 10 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 28.3 29.4 30.3 29.6 25.2 24.7 22.5 21.6 20.1 23.8	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 23.8 25.3 28.2 28.9 30.4 29.6 25.2 24.8 22.5 21.6 20.1 23.1	19.2 20.9 22.7 25.1 28.3 39.7 30.0 27.6 26.9 21.9 16.2 19.0 18.0 22.7 25.2 28.1 29.6 29.4 25.2 24.8 22.5 21.6 20.1	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 16.2 19.0 21.6 23.3 26.7 28.2 26.9 29.1 25.2 24.7 22.4 72.4 21.6	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9 16.4 19.0 17.9 20.1 23.8 22.7 23.8 22.7 24.7 24.6 22.4 21.6 19.0	18.6 18.6 18.7 19.8 24.4 24.7 23.1 20.7 18.1 17.6 18.2 19.5 19.2 18.3 19.9 22.3 23.4 22.4 21.4 18.3	17, 9 18, 3 18, 3 18, 8 17, 7 19, 7 20, 7 15, 6 17, 9 17, 6 18, 2 18, 3 19, 9 18, 3 19, 9 18, 3 19, 9 18, 3 19, 9 18, 3 19, 9 18, 1 18, 3 19, 1 19, 1 19, 1	1 36,39 16,53 16,70 16,65 13,78 14,34 16,55 16,60 16,63 16,88 16,88 16,88 16,88 16,95 13,78 16,88 16,95 13,58 16,89 16,88 16,95 13,58 16,95 13,58 16,95 13,77 13,71 13,71 14,82 16,71 16,71 16,71 16,71 16,71	36, 48 46, 42 36, 59 36, 65 35, 84 33, 63 34, 31 36, 54 36, 67 36, 67 36, 69 36, 69 36	16.48 36.52 36.62 36.62 35.85 34.91 34.91 36.63 36.63 36.63 36.63 36.63 36.79 30.55 30.90 30.55 30.90 30.55 30.90 30.55 30.90 30.55 30.90 30.55 30.90 30.55 30.90 30.55 30	3641 3661 3661 3662 3661 355b 3615 3662 3474 3664 3664 3666 3667 3667 3663 3663 3664 3664 3657 3662 3663 36	36.47 36.53 36.54 36.54 36.51 36.51 36.74 36.74 36.76 36.62 36.76 36.62 36.76 36.62 36.76 36.62 36.76 36.62 36.76 36.62 36.76 36.62 36.76 36.62 36.76 36.62	16, 51 36, 42 00,00 36, 41 36, 47 36, 47 36, 42 36, 59 36, 67 36, 62 36, 62 36, 66 36, 68 36, 49 36, 40 36,
EPTH: ATITUDE TO THE PROPERTY OF THE PROPERTY	7.3 M (1: 28°); EE: 90° 28 23 28 23 16 21 13 19 26 22 23 15 20 9 11 24 14 19 11 24 19 11 12 11 11 15 17 723	1 2 3 4 5 5 6 7 7 8 9 10 11 12 1 1 3 4 4 5 5	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 23.8 25.4 28.3 29.4 30.3 29.4 21.9 21.9 22.9 21.9 21.9 21.9 22.9 23.8 25.4 28.3 29.4 28.3 29.4 28.3 29.4 28.3 29.4 28.3 29.4 28.3 29.4 28.3 29.4 28.3 29.4 29.5 29.5 29.5 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2 28.9 30.4 29.6 25.2 24.8 22.5 21.6	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 16.2 19.0 18.0 22.7 25.1 28.4 29.4 25.2 24.8 22.5 21.6 29.4 25.2 24.8 22.5 21.9 23.1 24.8	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 16.2 19.0 21.6 23.3 26.7 28.2 26.7 28.2 24.7 22.4 21.9 24.7 22.4 21.6	19.7 18.1 19.7 20.3 23.3 21.9 25.6 27.5 26.8 23.9 21.9 20.1 20.7 23.8 22.5 23.8 22.5 22.2 22.4 22.4 21.9 22.4 21.9	18.6 18.7 18.9 19.8 24.4 7, 23.1 20.9 15.7 18.1 17.6 18.2 19.5 19.5 19.5 19.3 19.9 22.4 22.4 18.3 18.3 18.3 19.8	17.9 18.9 18.3 18.8 17.7 19.7 19.9 20.7 20.7 15.6 17.9 17.6 18.2 18.3 19.9 18.3 19.9 18.3 19.9 18.3 19.9 18.3 19.9	36.39 16.53 36.70 36.65 15.75 13.78 34.34 36.50 36.78 16.63 16.89 36.89 31.57 32.20 35.98 36.73 36.71 36.71 36.71 36.71 36.71 36.71	46 , 48 46 , 42 36 , 59 36 , 59 36 , 65 35 , 84 36 , 67 36 , 67 37 , 67 38	16.48 16.52 36.62 36.62 36.62 36.62 36.63 36.63 36.63 36.63 16.77 36.55 36.63 16.77 36.55 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63	3641 3661 3661 3662 3661 3655 3655 3650 3662 3474 3664 3663 3666 3670 3666 3670 3667 367	36.47 36.53 36.54 36.54 36.51 36.51 36.76 36.50 36.76 36.60 36.60 36.62 36.75 76.62 36.75 76.63 36.74 36.75 76.63 36.74 36.75 76.63 36.54 36.69 36.75	16.51 36.42 00.00 36.41 36.47 36.47 36.47 36.59 36.67 36.66 36.66 36.66 36.66 36.68 36.58 36.49 36.58 36.49 36.58 36.40 36.58 36.40
EPTH: XTITUDE	7.3 M (1: 28°); EE: 90° 28 23 28 23 28 26 21 13 19 26 22 26 27 20 9 9 1 24 14 19 23 12 11 19 23 12 11 19 15 17 23 21	1 2 3 4 5 6 6 7 8 8 9 10 11 12 1 3 4 4 5 6 6	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 28.3 29.4 30.3 29.4 25.2 24.7 22.5 21.6 20.1 23.8 24.0 25.2 24.7 25.2 26.0 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2 24.8 22.5 21.6 22.1 24.8 22.1 24.8 22.1 24.8 22.1 24.8	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 21.9 21.9 22.7 25.2 28.1 29.6 29.4 29.6 21.6 20.1 21.6 21.6 21.6 21.6 22.7 23.1 24.8 22.5 21.6 23.1 24.8 25.1 26.1 27.6	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 21.9 21.6 23.3 26.7 28.2 26.9 29.1 21.6 19.0 21.6 21.6 21.7 24.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.7 23.7 24.7 25.7 26.7 27.7 27.7 27.7 27.7 27.7 27.7 27	19.7 18.1 19.7 20.6 22.3 23.3 23.3 21.9 25.6 27.5 26.8 27.5 21.9 21.9 19.0 17.9 20.1 20.7 23.8 22.5 21.2 22.4.7 24.6 21.6 19.0 21.6 21.6 21.6 21.6 21.6 21.6 21.6 21.6	18.6 18.6 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 17.6 19.2 19.2 19.2 19.2 18.3 19.9 22.3 23.4 22.2 21.4 31.8 31.9 21.8 31.9 31.9 31.9 31.9 31.9 31.9 31.9 31.9	17.9 18.8 18.8 18.3 18.8 17.7 19.7 20.7 15.6 17.9 17.6 18.3 19.4 21.2 18.3 19.4 21.2 18.4 16.6 17.7	16.39 16.53 16.65 16.65 13.78 14.34 16.55 16.64 16.64 16.63 16.88 16.95 13.57 12.20 15.59 16.53 16.77 16.73 16.73 16.73 16.74 16.64 16.64 16.64	66. 48 46. 42 36. 59 36. 65 35. 84 33. 63 34. 31 36. 54 36. 67 36. 62 36. 62 36. 69 46. 54 46. 79 36. 91 35. 40 32. 99 36. 54 36. 54 36. 79 36. 52 36. 65 36. 65	36.48 36.52 36.62 35.85 34.19 36.62 34.91 36.52 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.65 48.81 36.93 36.68 48.39 36.68 48.39 36.68	3641 3661 3661 3662 3661 3642 35.5b 3650 3662 3774 3664 3657 3667 3667 3667 3667 3667 3682 3682 3682 3683	36.47 36.53 36.54 36.57 36.51 36.51 36.51 36.74 36.60 36.62 36.76 00.00 36.55 76.62 36.76 00.00 36.56 36.88 36.69 36.69	16.51 36.42 00.00 36.41 36.47 36.47 36.42 36.50 36.67 36.62 36.66 36.62 36.66 36.62 36.66 36.68 36.46 36.48 00.00 36.80 48.80
EPTH: 3 ATITUDE ATITUD	7.3 M (1: 28°) (1: 28°) (28°)	1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 4 5 6 6 7 7 8 9 10 11 12 1 2 3 4 4 5 5 6 6 7 6 8 9 10 11 12 1 1 3 4 4 5 6 6 8 8	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 23.8 25.4 28.3 29.4 4 30.3 29.4 28.3 29.4 21.9 21.9 22.5 23.6 25.2 24.7 22.5 21.6 22.6 23.6 24.7 22.5 24.7 24.7 24.7 24.7 24.7 24.7 24.7 24.7	19.2 18.2 2.1.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2 28.9 30.4 29.6 22.5 24.8 22.5 21.6 20.1 23.1 24.8 26.6	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 16.2 19.0 18.0 22.7 25.2 28.1 28.4 29.4 25.2 24.8 22.5 24.8 22.5 21.9 21.9 21.9 21.9 22.7 25.1 26.0 27.0 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28.3 28.1 28.3	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 8 23.9 16.2 19.0 21.6 23.3 26.7 28.2 26.9 29.1 21.6 21.7 22.4 7 22.4 7 22.4 19.6	19.7 18.1 19.7 20.6 22.3 23.3 21.9 25.6 27.5 26.8 23.9 16.4 19.0 17.9 20.7 23.8 22.7 21.2 27.2 24.7 24.6 22.4 619.0 19.0 19.0 19.0 19.0 20.5	18.6 18.7 18.9 19.8 24.4 24.7 23.1 17.6 18.1 17.6 18.2 19.5 19.5 19.5 19.5 18.3 19.5 22.3 23.4 22.2 18.3 19.5 18.3 19.5 18.3 19.5 18.3 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5	17, 9 18, 9 18, 9 18, 9 18, 3 18, 8 17, 7 19, 7 20, 7 20, 7 15, 6 17, 9 17, 6 18, 2 18, 3 19, 9 18, 3 19, 9 18, 3 19, 9 18, 3 19, 9 18, 1 19, 9 18, 1 19, 1 19, 1 19, 2 19, 2	1 36, 39 16, 53 16, 70 16, 65 15, 75 13, 78 14, 34 16, 63 16, 64 16, 63 16, 89 16, 88 16, 89 16, 88 16, 95 13, 57 12, 20 15, 98 16, 71 16, 71 16, 71 16, 71 16, 71 16, 63 16, 71 16, 63 16, 63 16, 64 16, 71 16,	36, 48 46, 42 36, 59 36, 58 43, 31 36, 54 36, 67 36, 62 36, 54 36, 67 36, 69 36, 69 36, 91 35, 40 32, 09 35, 86 36, 12 36, 73 36, 12 36, 73 36, 79 36, 79 36	16.48 36.52 36.62 36.62 35.85 36.62 36.63 36.63 36.62 16.77 36.55 36.95 16.79 36.12 36.68 4.39 36.68 4.39 36.68 4.39 36.68	3641 3661 3661 3661 3642 3615 3650 3662 3474 3664 3659 3667 3667 3667 3667 3663 3687 3663 3687 3663 3687 3663 3687 3663 3687 3663 3687 3663 3687 3663 3687 3663 3687 36	36.47 36.53 36.54 36.42 36.51 36.51 36.76 36.76 36.76 36.76 36.76 36.60 36.62 36.75 96.62 36.75 96.63 36.75 96.63 36.64 36.63 36.64	16.51 36.42 00.00 36.41 36.17 36.47 36.47 36.59 36.62 36.62 36.66 36.62 36.66 36.68 36.68 36.49 36.60 36.49 36.60 36.60 36.60 36.60 36.60 36.60 36.60 36.60 36.60
DPTH: 1 TITUDES NGITUE 1	7.3 M (1: 28°); EE: 90° 28 23 28 23 28 26 21 13 19 26 22 26 27 20 9 9 1 24 14 19 23 12 11 19 23 12 11 19 15 17 23 21	1 2 3 4 5 6 6 7 8 8 9 10 11 12 1 3 4 4 5 6 6	1963 1963 1963 1963 1963 1963 1963 1963	19.3 18.3 21.4 23.7 25.7 28.4 29.9 27.7 27.1 24.0 21.9 16.4 19.0 18.0 23.8 25.4 28.3 29.4 30.3 29.4 25.2 24.7 22.5 21.6 20.1 23.8 24.0 25.2 24.7 25.2 26.0 27.2 27.2 27.2 27.2 27.2 27.2 27.2 27	19.2 18.2 21.1 23.3 25.6 28.4 29.9 27.7 27.0 24.0 21.9 16.3 19.0 18.0 23.8 25.3 28.2 24.8 22.5 21.6 22.1 24.8 22.1 24.8 22.1 24.8 22.1 24.8	19.2 18.2 20.9 22.7 25.1 28.3 29.7 30.0 27.6 26.9 21.9 21.9 21.9 22.7 25.2 28.1 29.6 29.4 29.6 21.6 20.1 21.6 21.6 21.6 21.6 22.7 23.1 24.8 22.5 21.6 23.1 24.8 25.1 26.1 27.6	19.1 18.1 20.8 22.1 24.6 27.2 26.1 30.0 27.6 26.8 23.9 21.9 21.9 21.6 23.3 26.7 28.2 26.9 29.1 21.6 19.0 21.6 21.6 21.7 24.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.4 21.7 22.7 23.7 24.7 25.7 26.7 27.7 27.7 27.7 27.7 27.7 27.7 27	19.7 18.1 19.7 20.6 22.3 23.3 23.3 21.9 25.6 27.5 26.8 27.5 21.9 21.9 19.0 17.9 20.1 20.7 23.8 22.5 21.2 22.4.7 24.6 21.6 19.0 21.6 21.6 21.6 21.6 21.6 21.6 21.6 21.6	18.6 18.6 18.7 18.9 19.8 24.4 24.7 23.1 20.9 15.7 17.6 19.2 19.2 19.2 19.2 18.3 19.9 22.3 23.4 22.2 21.4 31.8 31.9 21.8 31.9 31.9 31.9 31.9 31.9 31.9 31.9 31.9	17.9 18.8 18.8 18.3 18.8 17.7 19.7 20.7 15.6 17.9 17.6 18.3 19.4 21.2 18.3 19.4 21.2 18.4 16.6 17.7	16.39 16.53 16.65 16.65 13.78 14.34 16.55 16.64 16.64 16.63 16.88 16.95 13.57 12.20 15.59 16.53 16.77 16.73 16.73 16.73 16.74 16.64 16.64 16.64	66. 48 46. 42 36. 59 36. 65 35. 84 33. 63 34. 31 36. 54 36. 67 36. 62 36. 62 36. 69 46. 54 46. 79 36. 91 35. 40 32. 99 36. 54 36. 54 36. 79 36. 52 36. 65 36. 65	36.48 36.52 36.62 35.85 34.19 36.62 34.91 36.52 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.65 48.81 36.93 36.68 48.39 36.68 48.39 36.68	3641 3661 3661 3662 3661 3642 35.5b 3650 3662 3774 3664 3657 3667 3667 3667 3667 3667 3682 3682 3682 3683	36.47 36.53 36.54 36.57 36.51 36.51 36.51 36.74 36.60 36.62 36.76 00.00 36.55 76.62 36.76 00.00 36.56 36.88 36.69 36.69	16.51 36.42 00.00 36.41 36.47 36.47 36.42 36.50 36.67 36.62 36.66 36.62 36.66 36.62 36.66 36.68 36.46 36.48 00.00 36.80 48.80

STATION: E-49
DEPTH: 7 M
LATITUDE: 29⁰27' N
LONGITUDE: 92⁰20' W

	5	Month	Von 3			T	emperat Depth	ure (°	2)					Sa	linity (Depth (
Cruise	Day	Month	Year	0	3	11	24	43	70	107	8	0	3	11	24	43	70	107
2	21	2	1963	12.6	12.4						12.1	29.78	30.95					
3	30	3	1963	20.8	20.8						20.2	30.82	30.82					
4	21	4	1963	23.2	23.1						22.0	22.40	24.69					
5	18	5	1963	26.4	26.4						26.3	29.84	29.85					
6	23	6	1963	28.3	28.3						28.3	30.94	30.93					
7	12	7	1963	29.3	29.6						28.4	25.35	27.93					
8	23	8	1963	29.9	29.9						29.9	32.07	32.07					
9	27	9	1963	25.7	25.8						26.3	32.15	31.93					
10	22	10	1963	24.8	24.7						24.6	33.27	33.25					
11	22	11	1963	20.4	20.3						19.9	33.12	33.05					
12	11	12	1963	16.2	16.2						16.0	33.99	33.96					
13	23	1	1964	9.6	9.1						10.1	31.44	31.81					
14	8	2	1964	11.9	12.2						12.8	31.88	32.89					
15	1	3	1964	13.3	13.3						13.6	00.00	31.77					
16	25	4	1964	25.9	25.5						24.5	20.93	20.81					
17	18	5	1964	25.2	25.2						25.4	23.64	23.81					
18	18	6	1964	29.3	29.3						29.2	26.02	25.99					
19	13	7	1964	28.6	28.6						28.5	27.18	27.17					
20	25	8	1964	30.4	30.3						30.0	30.35	30.38					
21	21	9	1964	28.3	28.2						28.2	31.96	31.96					
22	25	10	1964	21.2	21.3						21.3	31.86	31.79					
23	14	11	1964	22.8	22.5						22.6	30.47	30.61					
24	12	12	1964	15.0	15.1						15.4	31.38	33.01					
25	16	1	1965	16.7	16.7						16.7	33.60	33.38					
26	13	2	1965	17.3	17.3						17.3	34.18	20.18					
27	16	3	1965	16.6	15.8						15.2	35.20	20.18					
	19	4	1965	23.7	23.8						23.5	13.64	20.87					
28	20	5	1965	26.1	26.0						25.9	27.44	27.47					
29	24	6	1965	29.2	29.1						29.0	28.44	28.78					
30 32	24	8	1965	28.0	28.5						29.1	29.84	29.92					
		-	1965								21.5	29.78	29.72					
FDTH-	14 M	10 12	1965	21.5	21.5 17.7						18.3	00.00	30.05					
	5 ε-12 14 Μ : 29 ⁰ 0	12 8' N																
35 STATION: DEPTH: LATITUDE	5 ε-12 14 Μ : 29 ⁰ 0	12 8' N				11.8					18.3	33.24	30.05	33.14				
35 TATION: EPTH: ATITUOE ONGITUE	5 ε-12 14 M ε: 29°0 ε: 92°	12 8' N 20' W	1965	15.5	17.7	11.8					11.9	33.24 31.95	30.05 33.13 32.60	34.12				
35 TATION: EPTH: ATITUOE ONGITUE	5 E-12 14 M E: 29°0 E: 92°	12 8' N 20' W	1965	15.5	17.7						18.3	33.24 31.95 33.91	30.05 33.13 32.60 33.82	34.12 33.93				
35 TATION: PEPTH: ATITUOE ONGITUE 1 2 3	5 E-12 14 M S: 29°0 E: 92° 22 21 30	12 8' N 20' W	1965 1963 1963 1963	12.1	11.9	14.2					11.9 14.3 20.2 20.8	33.24 31.95 33.91 31.63	33.13 32.60 33.82 31.85	34.12 33.93 33.83				
35 TATION: DEPTH: ATITUOE ONGITUE	5 E-12 14 M S: 29°0 E: 92°	12 8' N 20' W 1 2	1965 1963 1963	12.1 13.8 20.4	17.7 11.9 13.8 20.3	14.2					11.9 14.3 20.2 20.8 24.0	33.24 31.95 33.91 31.63 29.15	33.13 32.60 33.82 31.85 29.22	34.12 33.93 33.83 35.85				
35 TATION: EPTH: ATITUOE ONGITUE 1 2 3 4	5 E-12 14 M E: 29°0 E: 92° 22 21 30 22	12 8' N 20' W 1 2	1965 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4	11.9 13.8 20.3 23.3 26.8 28.4	14.2 20.2 22.6 24.4 28.4					11.9 14.3 20.2 20.8 24.0 26.7	33.24 31.95 33.91 31.63 29.15 31.20	33.13 32.60 33.82 31.85 29.22 31.05	34.12 33.93 33.83 35.85 31.58				
35 TATION: EPTH: ATITUOE ONGITUE 1 2 3 4 5	5 E-12 14 M E: 29°0 E: 92° 22 21 30 22 18	12 8' N 20' W 1 2 3 4 5	1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8	11.9 13.8 20.3 23.3 26.8	14.2 20.2 22.6 24.4					11.9 14.3 20.2 20.8 24.0 26.7 25.6	33.24 31.95 33.91 31.63 29.15 31.20 35.83	33.13 32.60 33.82 31.85 29.22 31.05 30.76	34.12 33.93 33.83 35.85 31.58 30.21				
35 TATION: EPTH: ATITUOE ONGITUE 1 2 3 4 5 6	5 E-12 14 M E: 29°0 E: 92° 22 21 30 22 18 23	12 8' N 20' W 1 2 3 4 5 6	1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4	11.9 13.8 20.3 23.3 26.8 28.4	14.2 20.2 22.6 24.4 28.4					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97	34.12 33.93 33.83 35.85 31.58 30.21 34.66				
35 TATION: EPTH: ATITUDE ONGITUE 1 2 3 4 5 6 7	5 E-12 14 M S: 29 0 E: 92 22 21 30 22 18 23 12	8' N 20' W 1 2 3 4 5 6 7	1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6	11.9 13.8 20.3 23.3 26.8 29.4 30.3 26.8	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.82	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97				
35 TATION: EPTH: ATITUOE ONGITUE 1 2 3 4 5 6 7 8	5 ε-12 14 M ε: 29°0 ε: 92° 22 21 30 22 18 23 12 23	12 8' N 20' W 1 2 3 4 5 6 7 8	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 26.8 28.4 29.6 30.3 26.8 25.3	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8 25.2					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.73	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74				
35 TATION: EPTH: ATITUOE ONGITUE 1 2 3 4 5 6 7 8 9	5 ε-12 14 M ε: 29°0 ε: 92° 22 21 30 22 18 23 12 23 27	8' N 20' W 1 2 3 4 5 6 7	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2 19.9	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8 25.2					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 33.47	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.73 33.43	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54				
35 TATION: EPTH: ATITUOE DNGITUE 1 2 3 4 5 6 7 8 9 10	5 E-12 14 M E: 29 0 E: 92 22 21 30 22 18 23 12 23 27 22	8' N 20' W 1 2 3 4 5 6 7 8 9 10	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 26.8 28.4 29.6 30.3 26.8 25.3	11.9 13.8 20.3 23.3 26.8 29.4 30.3 26.8 25.2 19.9 16.6	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8 25.2 19.9					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 34.07 33.47 34.11	33.13 32.60 33.82 529.22 31.05 30.76 32.97 32.70 33.73 33.43 34.09	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.98				
35 TATION: EPTH: ATITUDE DNGITUD 1 2 3 4 5 6 7 8 9 10 11	5 E-12 14 M 2: 29°0 Ε: 92° 22 21 30 22 18 23 12 23 27 22 21	12 8' N 20' W 1 2 3 3 4 5 6 7 8 9	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2 19.9	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8 25.2					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 16.1 9.9	33.24 31.95 33.91 31.63 29.15 31.20 32.82 32.80 34.07 33.47 34.11 33.38	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.97 33.48 34.09	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.98 33.56				
35 FATION: EPTH: ATITUOB DNGITUD 1 2 3 4 5 6 7 8 9 10 11 12	5 E-12 14 M E: 29°0 E: 92° 22 21 30 22 18 23 12 23 27 22 21 11	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2 19.9 16.6 10.4	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8 25.2 19.9					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 16.1 9.9	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 34.11 33.38	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.73 33.40 34.09 33.40 32.93	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.98 33.56 33.22				
35 PATION: EPTH: ATITUOE 1 2 3 4 5 6 7 8 9 10 11 12 13 15	5 E-12 14 M :: 29°0 E: 92° 22 21 30 22 18 23 12 23 27 22 21 11 23 1	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2 19.9 16.6	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8 25.2 19.9 16.1 9.9					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 16.1 9.9 14.4	33.24 31.95 33.91 31.63 32.91 31.20 35.83 32.82 32.80 34.07 33.47 34.11 33.38 33.09 20.89	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.70 33.73 33.40 32.93 32.99	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.58 33.98 33.56 33.22 28.92				
35 TATION: EPTH: ATITUOE DNGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16	5 E-12 14 M St. 29°0 (Σ: 92° 21° 30° 22° 18° 23° 12° 23° 27° 22° 21° 11° 23° 23° 27° 22° 21° 11° 23° 23° 23° 23° 23° 23° 23° 22° 21° 11° 23° 23° 23° 23° 23° 23° 23° 23° 23° 23	12 8' N 20' W 1 2 3 4 5 6 7 7 8 9 10 11 12 12	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 13.8	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2 19.9 16.6 10.4	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8 25.2 19.9 16.1 9.9					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 19.8 16.1 9.9 14.4 22.4	33.24 31.95 33.91 31.63 29.15 31.20 35.83 34.07 33.47 34.11 33.38 33.09 20.89 00.00	33.13 32.60 33.82 31.85 529.22 31.05 30.76 32.97 32.73 33.49 34.09 33.40 32.93 29.98	34.12 33.93 33.83 35.85 30.21 34.66 32.97 33.74 33.54 33.52 28.92 00.00				
35 FATION: EPPTH: ATITUOE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17	5 E-12 14 M E: 29 0 E: 92 2 21 30 22 18 23 12 23 27 22 21 11 23 1 25	12 8' N 20' W 1 2 3 4 5 6 6 7 8 9 10 11 12 1 12 1	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8	11.9 13.8 20.3 23.3 26.8 28.4 30.3 26.8 25.2 19.9 16.6 10.4 13.7 22.9 25.1	14.2 20.2 22.6 24.4 25.8 30.3 26.8 25.2 19.9 16.1 9.9 13.8 22.7					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 16.1 9.9 14.4 22.4 25.0	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 33.47 34.11 33.38 32.09 20.89 00.00	33.13 32.60 33.85 29.22 31.05 30.76 32.97 33.73 33.40 33.40 33.40 32.93 39.98 00.00 29.70	34.12 33.93 33.83 35.85 30.21 34.66 32.97 33.74 33.54 33.56 33.22 28.92 00.00 32.43				
35 TATION: EPTH: ATITUOE DNGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16	5 E-12 14 M :: 29°0 E: 92° 22 21 30 22 18 23 12 23 12 23 12 23 11 25 18	12 8' N 20' W 1 2 3 4 5 6 7 7 8 9 10 11 12 1 3 4 5 5 6 7 7 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2	11.9 13.8 20.3 23.3 26.8 29.4 30.3 26.8 25.2 19.9 16.6 13.7 22.9 25.1	14.2 20.2 22.6 24.4 25.8 30.3 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.9 14.4 22.4 25.0 25.6	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 33.47 34.11 33.38 33.09 20.89 00.00 29.24 27.20	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 33.73 33.49 34.09 32.93 29.98 00.00 29.70 27.43	34.12 33.93 33.83 35.85 30.21 34.66 32.97 33.74 33.54 33.56 33.22 28.92 00.00 32.43 35.70				
35 TATION: EPTH: ATITUDE DNGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19	5 E-12 14 M E: 29°0 E: 29°0 22 21 30 22 18 23 12 23 27 22 21 11 23 1 25 18	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1 3 4 5 6	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2	11.9 13.8 20.3 23.3 26.8 28.4 30.3 26.8 25.2 19.9 16.6 10.4 13.7 22.9 25.1	14.2 20.2 22.6 24.4 28.4 25.8 30.5 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.9 14.4 22.4 22.4 22.4 25.4 26.8	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 33.47 34.11 33.38 33.09 20.89 00.00 29.24 27.20	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.43 34.09 33.40 32.93 29.98 00.00 29.70 27.43	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.54 33.56 33.22 28.92 00.00 32.43 35.70 31.92				
35 TATION: EPTH: ATITUOE ONGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20	5 E-12 14 M E: 29°0 E: 29°2 22 21 30 22 18 23 12 23 27 22 21 11 23 1 25 18 18 18	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1 3 4 5 6 7 8 9	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2 19.9 16.6 10.4 13.7 22.9 25.1 29.1	14.2 20.2 22.6 24.4 25.8 30.3 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 28.7					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 16.1 9.9 14.4 25.0 25.4 25.0 26.6 28.1 28.1	33.24 31.95 33.91 31.63 32.92 35.83 32.82 32.80 34.07 33.47 34.11 33.38 32.089 00.00 29.24 27.20 32.73	33.13 32.60 33.85 29.22 31.85 29.23 31.05 30.76 32.97 33.49 34.09 33.40 32.93 32.93 800.00 29.70 27.43 31.17 32.17	34.12 33.93 33.83 35.85 30.21 34.66 32.97 33.74 33.54 33.56 33.22 28.92 00.00 32.43 35.70 31.92 32.16				
35 TATION: EPTH: ATITUDE ONGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18	5 E-12 14 M E: 29°0 E: 29°2 21 30 22 21 18 23 27 22 21 11 23 1 25 18 18	12 8' N 20' W 1 2 3 3 4 5 6 7 8 9 10 11 12 11 2 3 4 5 6 7 8 9 10 11 12 11 12 13 14 15 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 36.8 25.3 19.9 16.6 13.8 23.0 25.2 29.2 29.2	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2 19.9 16.6 10.4 13.7 22.9 25.1 29.1 29.1 28.6	14.2 20.2 22.6 24.4 28.4 25.8 30.3 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 28.7 29.7					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 14.4 22.4 22.4 25.0 25.4 26.6 28.1 28.2	33.24 31.95 33.91 31.63 29.15 31.20 35.83 34.07 34.17 34.11 33.38 33.09 20.89 00.00 29.24 27.20 32.73 32.77 32.17	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.73 33.40 34.09 32.93 29.98 00.00 29.70 27.43 31.17 32.19	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.56 33.22 28.92 00.00 32.43 35.70 31.92 32.16 32.30				
35 TATION: EPTH: ATITUDE ONGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21	5 E-12 14 M P P P P P P P P P P P P P P P P P P	12 8' N 20' W 1 2 3 4 5 6 6 7 8 9 10 11 12 1 3 4 5 6 7 8 9 10 11 12 12 13 14 14 15 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2 28.6	11.9 13.8 20.3 23.3 26.8 28.4 29.4 30.3 26.8 25.2 19.9 16.6 10.4 13.7 22.9 25.1 29.1 28.6 30.0 28.2	14.2 20.2 22.6 24.4 28.4 25.8 30.5 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 28.7 28.7					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 16.1 9.9 14.4 22.4 25.0 25.4 26.6 25.4 26.6 22.4 22.4 22.4 22.4 22.4 22.4 22	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 33.47 33.38 33.09 20.89 00.00 29.24 27.20 32.17 32.17	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.49 33.40 33.40 32.93 31.05 29.98 00.00 29.70 27.43 31.17 32.19 32.23	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.56 33.22 28.92 00.00 32.43 35.70 31.92 32.16 32.30 34.45				
35 TATION: EPTH: ATITUOE DNGTTUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21	5 E-12 14 E: 29°0 E: 92° 22 21 30 22 18 23 12 23 27 22 21 11 23 11 25 18 18 18 18 12 24	12 8' N 20' W 1 2 3 4 5 6 7 7 8 9 10 11 12 1 3 4 5 6 7 7 8 9 10 11 11 12 13 4 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 10.6 13.8 23.0 25.2 29.2 28.6 30.4 23.0	11.9 13.8 20.3 23.3 26.8 29.4 30.3 26.8 25.2 19.9 16.6 10.4 13.7 22.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9	14.2 20.2 22.6 24.4 28.4 25.8 30.5 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 28.7 28.7 28.2 21.2 21.2					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 9.9 14.4 22.4 25.0 25.4 26.6 28.1 28.2 20.8 22.9	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.80 34.07 34.11 33.38 90.99 20.89 20.89 20.89 32.80 34.07 33.47 34.17 32.82 32.80 33.47 34.17 32.82 32.80 33.47 34.17 32.82 32.80 33.47 34.17 33.38	33.13 32.60 33.82 31.85 29.105 30.76 32.97 32.70 33.40 34.09 33.40 32.93 29.70 29.70 27.43 31.17 32.19 32.23 34.39 33.49	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.56 33.22 20.00 32.43 35.70 31.92 32.16 32.30 34.45 34.05				
35 TATION: EPTH: 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24	5 E-12 14 M 12 9 9 9 2 22 21 30 22 18 23 12 23 12 27 22 21 11 23 11 25 18 18 18 13 25 18 18 13 25 18 18 13 25 18	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1 3 4 5 6 7 8 9 10 11 12 12 13 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2 28.6 30.4 21.7 22.9 15.0	11.9 13.8 20.3 26.8 29.4 30.3 26.8 25.2 19.9 16.6 10.4 13.7 22.9 25.1 29.1 28.6 30.0 28.2 21.7 22.9	14.2 20.2 22.6 24.4 28.4 25.8 30.5 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 28.7 28.7 29.7 28.2 21.2 22.9					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 9.9 14.4 22.4 25.4 26.8 25.4 26.8 27.4 28.1 28.1 28.1 28.2 20.8	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.80 34.07 33.47 34.11 33.38 30.99 20.89 00.00 29.24 27.20 32.73 32.17 32.17 32.17 32.58	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.43 34.09 33.40 29.98 00.90 27.43 31.17 32.19 32.21 33.83 33.89 33.89	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.56 33.22 28.92 00.00 32.43 35.70 31.92 32.16 32.30 34.45 34.05 33.21				
35 TATION: EPTH: 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 225	5 E-12 14 E: 29°0 E: 92° 22 21 30 22 18 23 12 23 27 22 21 11 23 1 25 18 18 18 13 25 21 14 14 12 16	12 8' N 20' W 1 2 3 4 5 6 7 7 8 9 10 11 12 1 3 4 5 6 7 7 8 9 10 11 12 11 12 11 12 11 11 12 11 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2 28.6 30.4 28.2 29.2	11.9 13.8 20.3 23.3 26.8 29.4 30.3 26.8 25.2 19.9 16.6 10.4 13.7 22.9 12.9 12.9 12.9 12.9 12.9 12.9 12.9	14.2 20.2 22.6 24.4 28.4 25.8 30.5 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 28.7 28.7 28.2 21.2 21.2					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 16.1 9.9 14.4 22.4 25.0 25.4 26.6 28.1 20.8 21.0 25.4 26.6 25.1 25.6 25.1 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 33.47 34.11 33.38 90.00 29.24 27.20 32.73 32.17 32.21 32.83 33.21 34.45	33.13 32.60 33.85 29.22 31.05 30.76 32.97 32.70 33.49 33.40 33.40 32.93 34.09 29.70 27.43 31.17 32.19 32.23 34.39 33.89 33.20	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.22 28.92 00.00 32.43 35.70 32.16 32.30 34.45 34.05 33.21				
35 TATION: TATION: EPFTH: 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 25 26	5 E-12 14 12 9 0 0 E: 92 22 21 30 22 18 23 12 23 12 23 11 25 18 13 25 18 13 25 21 44 12 16 13	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1 3 4 5 6 7 8 9 10 11 12 12 13 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 13.8 23.0 25.2 29.2 29.2 21.7 22.9	11.9 13.8 20.3 20.3 23.3 26.8 29.4 29.4 29.4 29.1 29.1 20.3 20.3 26.8 25.2 10.4 29.1 20.3 20.3 26.8 27.2 29.3 20.3 20.3 20.3 20.3 20.3 20.3 20.3 20	14.2 20.2 22.6 24.4 25.8 30.3 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 29.7 28.7 29.7 28.2 21.2 22.9 15.8					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.9 14.4 22.4 22.4 22.5 25.4 26.6 28.1 28.2 20.8 21.6 21.6 21.6 21.6 21.6 21.6 21.6 21.6	33.24 31.95 33.91 31.63 29.15 31.20 35.83 34.07 34.17 34.11 33.38 33.09 20.89 00.00 29.24 27.20 32.73 32.17 32.32 33.31 34.45 32.58 33.21 34.49 33.51	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.34 93.40 93.40 93.40 93.41 97.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 29.70 33.40 34.40	34.12 33.93 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.56 33.22 28.92 00.00 32.43 35.70 32.43 35.70 32.43 35.70 32.43 35.70 32.43 35.70 34.45 34.05 33.21 34.66				
35 TATION: TRATITOOS PPTH: 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 25 26 27	5 E-12 14 E: 29°0 E: 92° 22 21 30 22 18 23 27 22 21 11 23 27 22 21 11 23 27 22 18 18 18 13 25 21 14 14 12 16 13 16	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1 3 4 5 6 7 8 9 10 11 12 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 28.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2 29.2 28.6 30.4 25.2 15.0 16.0 17.4	11.9 13.8 20.3 26.8 29.4 430.3 26.8 25.2 19.9 25.1 28.6 30.8 25.2 19.9 25.1 28.6 30.8 25.2 19.9 25.1 28.6 30.8 25.2 19.5 25.1 26.6 26.6 27.2 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29	14.2 20.2 22.6 24.4 28.8 30.3 26.8 25.2 19.9 16.1 9.9 13.8 22.7, 25.1 27.7 28.7 29.7 29.7 29.7 21.2 21.2 21.2 21.2 21.8					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.8 16.1 9.9 14.4 22.4 25.0 25.4 26.6 25.1 28.2 20.8 25.1 25.1 25.1 25.1 25.1 25.1 25.1 25.1	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 33.47 34.11 33.38 33.09 20.89 00.00 29.24 27.20 32.81 32.82 32.83 34.97 32.17 32.03 34.45 32.58 33.21 34.49 33.56 32.06	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.40 33.40 32.93 33.40 32.93 33.40 32.93 33.40 32.93 33.40 32.93 33.40 32.93 33.40 32.93 33.40 32.93 34.93 35.93 36.93	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.54 33.52 20.00 32.43 35.70 31.92 32.16 32.30 34.45 34.05 33.21 34.50 34.50				
35 TATION: TRIPETH: 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 27 26 27 28	5 E-12 14 E: 29°0 E: 92° 21 30 22 18 32 23 12 23 12 23 12 23 12 24 11 25 18 18 18 12 25 18 18 18 18 19	12 8' N 20' W 1 2 3 4 5 6 7 7 8 9 10 11 12 1 3 4 5 6 6 7 7 8 9 10 11 12 12 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	12.1 13.8 20.4 23.4 26.8 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2 28.6 30.4 28.2 21.7 22.9 15.0 16.0	11.9 13.8 20.3 20.3 22.3 26.8 29.4 29.4 10.7 22.9 16.6 10.4 13.7 22.9 22.9 22.7 22.9 15.3 16.0 17.4 16.0	14.2 20.2 22.6 24.4 28.8 30.3 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 28.7 29.7 28.2 21.2 22.9 15.8 16.0 17.4					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 9.9 14.4 22.4 25.0 25.4 26.6 28.1 28.2 20.8 22.9 15.8 16.1	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.41 33.38 33.09 20.89 20.89 32.73	33.13 32.60 33.82 31.85 29.105 30.76 32.97 32.70 33.40 34.409 33.40 32.93 29.70 27.43 31.17 32.19 32.23 34.39 33.30 34.48 35.58 32.21	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.56 33.22 20.00 32.43 35.70 31.92 32.10 34.45 34.05 33.21 34.50 34.16 33.25 33.21				
35 TATION: EPTH: ATITUDE ONGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 25 27 28 29	5 E-12 14 29 0 0 E: 92 22 21 30 22 18 23 12 23 12 25 18 13 25 18 13 25 18 14 12 16 16 19 20	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1 3 4 5 6 7 7 8 9 10 11 12 1 12 1 12 1 11 1 11 1 11 1 1	1965 1963 1963 1963 1963 1963 1963 1963 1963 1963 1964 1964 1964 1964 1964 1964 1964 1964 1964 1964 1965 1965 1965 1965	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2 28.6 30.4 25.7 22.9 15.0 16.0 16.6 16.6 23.2 21.7 22.9	11.9 13.8 20.3 23.3 26.8 25.2 19.6 6 10.4 11.9 129.1 22.9 129.1 28.6 29.2 21.7 22.9 15.3 16.6 17.4 16.4 17.4 16.4 17.4 16.4 16.4 17.4 16.4 16.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17	14.2 20.2 22.6 24.4 25.8 30.3 26.8 25.2 19.9 16.1 9.9 13.8 22.7 25.1 27.7 28.7 29.7 28.2 21.2 22.9 15.8 16.0 17.4 16.1					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.9 14.4 22.4 25.4 26.6 28.1 28.2 20.8 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4	33.24 31.95 33.91 31.63 29.15 31.20 35.83 34.07 33.47 34.11 33.38 33.09 20.89 00.00 29.24 27.20 32.73 32.17 32.91 32.92 32.93 34.45 32.96 33.21 33.56 33.21 33.56 33.21 33.56 33.21 33.56 33.21 33.56 33.21	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.33 39.32 99.98 00.99 27.43 31.17 32.19 33.40 33.40 33.44 33.44 33.44 33.44	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.92 00.00 32.43 35.70 31.92 32.16 32.30 34.45 33.21 34.50 33.21 34.50 33.21 34.50 33.21 34.50				
35 TATION: EPPTH: ATITUDE ONGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	5 E-12 14 E: 29°0 E: 92° 22 21 30 22 18 23 12 23 27 22 21 11 23 1 25 18 18 13 25 21 14 14 12 16 13 16 19 20 24	12 8' N 20' W 1 2 3 4 5 6 7 7 8 9 10 11 12 1 3 4 5 6 7 7 8 9 10 11 12 11 12 11 12 11 12 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1963 1963 1963 1963 1963 1963 1963 1963	15.5 12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 319.9 16.6 10.6 13.8 23.0 25.2 29.2 21.7 22.9 15.0 16.0 17.4 16.6 23.2 25.4	11.9 13.8 20.3 20.3 23.3 26.8 29.4 29.4 10.4 13.7 22.9 16.6 10.4 13.7 22.9 15.3 30.0 28.2 29.1 29.1 16.6 16.4 13.7 22.9 15.3 16.0 17.4 16.4 16.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17	14.2 20.2 22.6 24.4 25.8 30.5 26.8 25.2 19.9 16.1 9.9 13.8 22.7 28.7 29.7 28.7 29.7 21.2 21.2 21.2 21.2 21.2 21.2 21.2 21					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 9.9 14.4 22.4 25.0 25.4 26.6 28.1 28.2 20.8 22.9 15.8 16.1	33.24 31.95 33.91 31.63 29.15 31.20 35.83 32.82 32.80 34.07 33.47 33.47 33.09 20.89 00.00 29.24 27.20 32.17 32.17 32.58 33.21 34.45 32.58 33.21 34.49 33.56 33.28 33.28	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.40 33.40 93.40 93.40 93.40 31.17 22.13 34.39 33.49 33.40 34.40	34.12 33.93 33.83 35.85 30.21 34.66 32.97 33.74 33.54 33.56 33.22 28.92 00.00 32.43 35.70 32.16 32.30 34.45 34.05 33.21 34.56 33.21 34.56 33.31 34.56				
35 TATION: DEPTH: ATITUDE ONGITUE 1 2 3 4 5 6 7 8 9 10 11 12 13 15 16 17 18 19 20 11 22 23 24 25 27 28	5 E-12 14 29 0 0 E: 92 22 21 30 22 18 23 12 23 12 25 18 13 25 18 13 25 18 14 12 16 16 19 20	12 8' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1 3 4 5 6 7 7 8 9 10 11 12 1 1 2 3 4 5 6 7 7 8 9 10 11 11 12 12 13 14 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1965 1963 1963 1963 1963 1963 1963 1963 1963 1963 1964 1964 1964 1964 1964 1964 1964 1964 1964 1964 1965 1965 1965 1965	12.1 13.8 20.4 23.4 26.8 28.4 29.6 30.3 26.8 25.3 19.9 16.6 10.6 13.8 23.0 25.2 29.2 28.6 30.4 25.7 22.9 15.0 16.0 16.6 16.6 23.2 21.7 22.9	11.9 11.9 13.8 20.3 23.3 26.8 29.4 29.4 10.3 26.8 25.2 25.2 21.9 22.9 22.1 22.9 22.1 22.9 22.3 26.8 27.2 29.3 20.3 26.8 27.2 29.3 26.8 27.2 29.3 29.3 29.3 29.3 29.3 29.3 29.3 29	14.2 20.2 22.6 24.4 28.4 25.8 30.5 26.8 25.2 19.9 13.8 22.7 25.1 27.7 28.7 29.7 28.2 21.2 22.9 16.0 17.4 16.0 17.4 16.1 22.6 25.2					11.9 14.3 20.2 20.8 24.0 26.7 25.6 30.4 26.8 25.1 19.9 14.4 22.4 25.4 26.6 28.1 28.2 20.8 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 16.0 17.4 17.4 17.4 17.4 17.4 17.4 17.4 17.4	33.24 31.95 33.91 31.63 29.15 31.20 35.83 34.07 33.47 34.11 33.38 33.09 20.89 00.00 29.24 27.20 32.73 32.17 32.91 32.92 32.93 34.45 32.96 33.21 33.56 33.21 33.56 33.21 33.56 33.21 33.56 33.21 33.56 33.21	33.13 32.60 33.82 31.85 29.22 31.05 30.76 32.97 32.70 33.33 39.32 99.98 00.99 27.43 31.17 32.19 33.40 33.40 33.44 33.44 33.44 33.44	34.12 33.93 33.83 35.85 31.58 30.21 34.66 32.97 33.74 33.54 33.92 00.00 32.43 35.70 31.92 32.16 32.30 34.45 33.21 34.50 33.21 34.50 33.21 34.50 33.21 34.50				

STATION: E-11
OEPTH: 28 M
LATITUDE: 28^o55' N
LONGITUDE: 92^o20' W

						_ T	Depth)						inity (c Depth (M			
Cruise	Day	Month	Year	7	T	11	24	43	70	107	В	0	3	11	24	43	7/	
				100	16.6	15.4	16.5) 5 5	35.22	35.09	35,13	35,33			
1 2	22	1 2	1963 1963	15.5	15.5	15.4	15.5 15.7				15.5	33.36	34.12	34.88	35.73			
3	21 30	3	1963	20.1	20.0	19.9	19.7				19.7	34.91	34.92	35.37	35.58			
4	22	4	1963	22.4	22.4	21.9	20.7				20.6	35.01	35.06	36.10	36.44			
5	15	5	1963	27.0	25.6	24.8	22.3				22.3	33.97	35.76	35.88	36.02			
6	20	6	1963	28.9	28.9	28.9	24.9				24.9	32.11	31.98	32.22	35.10			
7	11	7	1963	29.8	29.7	29.4	26.1				23.4	00.00	33.09	34.55	36.43			
8	16	8	1963	29.7	29.7	30.6	24.4				24.4	32,53	31.97	33.64	36.63			
9	23	9	1963	28.9	28.9	28.9	28.9				29.4	35.98 35.20	35.96 35.24	35.94 35.96	35.97 35.53			
10	21	10 11	1963 1963	26.2	26.2	26.2	26				26.2	35.20	35.60	35.61	35.67			
11	11	12	1963	19.9	19.9	19.8	19.6				19.5	96.31	36.11	36.20	36.13			
13	19	1	1964	16.7	16.7	16.7	16.6				15.1	36.71	36.73	36.85	36.65			
15	2	3	1964	15.0	15.0	15.0	15.0				15.0	34.85	35.33	35.40	35.36			
16	23	4	1964	21.7	21.7	21.7	21.0				20.5	16.85	36.84	36.89	36.80			
17	18	5	1964	24.4	24.4	24.4	24.3				24.3	Зн.37	36.40	36.41	36.47			
18	18	6	1964	28.2	28.1	27.6	26.0				25.9	35.97	36.23	36.70	36.69			
19	13	7	1964	28.3	28.3	28.6	26.)				25.6	.9.39	29,45	30.67	36,62			
20	25	8	1964	29.7	29.7	29.7	27.4				.17.4	32.75	32.71	32.77 33.69	36.25			
21	19 22	9	1964 1964	28.4	28.4	28.7	26.6				26.4	31.95	31.98	34.52	36.25 36.06			
22	14	11	1964	23.6	23.6	23.6	23.6				_3.6	15.60	35.59	35.68	36,32			
24	12	12	1964	18.5	18.5	19.1	18.8				18.8	35.57	35.54	35.88	00.00			
25	16	1	1965	19.4	19.4	19.4	19.5				19.7	35.42	35.40	35.67	35,62			
27	1.4	3	1965	17.0		17.2	16.5				16.5	35.40	35.44	35.70	36.27			
28	19	4	1965	22.3	22.2	22.0	20.7				20.8	35.80	35.87	36.18	36.38			
29	25	5	1965	25.3	25.3	25.0	24.9				24.9	36.80	36.79	36.71	36.73			
30	13	6	1965	28.5	28.3	27.7	27.0				27.0	36.55	36.45	36.54	36.94			
32	2.4	8	1965	29.3	29.3	29.2	27.1				26.8	31.74	31.98 32.70	32.30	36.77 35.6 5			
34 35	30 2	10 12	1965 1965	22.9	23.0	23.5	25.0				24.9	35.28	35.26	35.25	35.26			
ONGITUE	E: 28°	20' W																
1	29	1	1963	16.7		18.6	18.4	17.8			17.8	36.51	36.51	36.56	36.57	36.		
2	21	2	1963	17.3	17.3	17.3	17.2	17.1			17.0	36.57	36.67	36.54	36.63	36.56		
3	28	3	1963	20.2	20.1	20.1	19.7	19.4			19.3	36.61 36.65	35.64 36.57	36.67 36.58	36.40 36.56	36.46 36.45		
4	28 15	4 5	1963 1963	24.6	24.5	24.4	24.3	20.4			20.5	36.41	36.30	36.30	36.65	36.32		
6	20	6	1963	28.7	28.4	28.2	24.9	21.7			21.0	34.07	.00.00	34.19	35.84	36.13		
7	11	7	1963	29.6	29.6	29.4	23.8	21.1			21.0	33.83	34.23	34.62	35.51	36.49		
8	18	8	1963	29.7	29.7	29.7	28.9	21.6			21.5	35.28	35.28	36.14	36.63	36.51		
9	23	9	1963	29.0	28.9	28.9	28.7	25.3			25.3	36.20	36.30	36.19	36.25	36.47		
10	21	10	1963	26.7	26.7	26.7	267	26.7			26.7	36,64	36.33	36.40	36.52	36.60		
11	21	11	1963	24.3	24.3	24.2	24.2	24.1			24.0	36.77	36.86	36.83	36.79	36.82		
	11	12	1963	21.9	21.9	21.7	21.7	21.1			21.1	36.70 36.69	36.70 36.69	36.82 36.69	36.76 36.65	36.86 36.63		
12	19	1 3	1964 1964	17.6	17.6 16.7	17.5	16.8	16.6			16.3	36.81	36.64	36.66	36.74	36.60		
13	2					10.7	10.0				16.2	36.86	36.81	36.81	36.84	36.81		
13 15	2		1964			21.4	19.9	19.6										
13 15 16	23	4	1964	21.7	21.7	21.4	19.9	19.6					36.71	36.69	36.73	36.68		
13 15			1964 1964 1964			21.4 24.6 27.9	19.9 24.3 26.8	19.6 20.6 21.5			20.2	36.73 36.70	36.71 36.70	36.71	00.00	36.64		
13 15 16 17	23 14	4 5	1964	21.7 24.6 28.3 29.6	21.7 24.6 28.3 29.3	24.6 27.9 28.4	24.3 26.8 27.9	20.6 21.5 25.2			20.2 20.3 22.0	36.73 36.70 30.30	36.71 36.70 30.61	36.71 34.78	00.00 36.66	36.64 36.65		
13 15 16 17 18 19 20	23 14 21 11 23	4 5 6 7 8	1964 1964 1964 1964	21.7 24.6 28.3 29.6 29.7	21.7 24.6 28.3 29.3 29.7	24.6 27.9 28.4 29.7	24.3 26.8 27.9 28.7	20.6 21.5 25.2 23.2			20.2 20.3 22.0 22.6	36.73 36.70 30.30 32.84	36.71 36.70 30.61 32.82	36.71 34.78 32.83	00.00 36.66 36.36	36.64 36.65 36.61		
13 15 16 17 18 19 20 21	23 14 21 11 23 19	4 5 6 7 8 9	1964 1964 1964 1964 1964	21.7 24.6 28.3 29.6 29.7 28.7	21.7 24.6 28.3 29.3 29.7 29.7	24.6 27.9 28.4 29.7 28.7	24.3 26.8 27.9 28.7 29.7	20.6 21.5 25.2 23.2 21.9			20.2 20.3 22.0 22.6 21.9	36.73 36.70 30.30 32.84 33.83	36.71 36.70 30.61 32.82 33.90	36.71 34.78 32.83 33.84	00.00 36.66 36.36 35.15	36.64 36.65 36.61 36.74		
13 15 16 17 18 19 20 21	23 14 21 11 23 19 22	4 5 6 7 8 9	1964 1964 1964 1964 1964	21.7 24.6 28.3 29.6 29.7 28.7 23.3	21.7 24.6 28.3 29.3 29.7 29.7 23.3	24.6 27.9 28.4 29.7 28.7 23.8	24.3 26.8 27.9 28.7 29.7 23.3	20.6 21.5 25.2 23.2 21.9 23.5			20.2 20.3 22.0 22.6 21.9 22.8	36.73 36.70 30.30 32.84 33.83 35.70	36.71 36.70 30.61 32.82 33.90 35.67	36.71 34.78 32.83 33.84 35.89	00.00 36.66 36.36 35.15 35.92	36.64 36.65 36.61 36.74 36.30		
13 15 16 17 18 19 20 21 22 23	23 14 21 11 23 19 22 12	4 5 6 7 8 9 10	1964 1964 1964 1964 1964 1964	21.7 24.6 28.3 29.6 29.7 28.7 23.3 23.6	21.7 24.6 28.3 29.3 29.7 29.7 23.3 23.6	24.6 27.9 28.4 29.7 28.7 23.8 23.6	24.3 26.8 27.9 28.7 29.7 23.3 23.8	20.6 21.5 25.2 23.2 21.9 23.5 23.8			20.2 20.3 22.0 22.6 21.9 22.8 23.9	36.73 36.70 30.30 32.84 33.83 35.70 36.22	36.71 36.70 30.61 32.82 33.90 35.67 36.14	36.71 34.78 32.83 33.84	00.00 36.66 36.36 35.15	36.64 36.65 36.61 36.74		
13 15 16 17 18 19 20 21 22 23 24	23 14 21 11 23 19 22 12	4 5 6 7 8 9	1964 1964 1964 1964 1964 1964 1964	21.7 24.6 28.3 29.6 29.7 28.7 23.3 23.6 20.3	21.7 24.6 28.3 29.3 29.7 29.7 23.3	24.6 27.9 28.4 29.7 28.7 23.8	24.3 26.8 27.9 28.7 29.7 23.3	20.6 21.5 25.2 23.2 21.9 23.5			20.2 20.3 22.0 22.6 21.9 22.8	36.73 36.70 30.30 32.84 33.83 35.70	36.71 36.70 30.61 32.82 33.90 35.67	36.71 34.78 32.83 33.84 35.89 36.13	00.00 36.66 36.36 35.15 35.92 36.41	36.64 36.65 36.61 36.74 36.30 36.38		
13 15 16 17 18 19 20 21 22 23	23 14 21 11 23 19 22 12	4 5 6 7 8 9 10 11	1964 1964 1964 1964 1964 1964	21.7 24.6 28.3 29.6 29.7 28.7 23.3 23.6	21.7 24.6 28.3 29.3 29.7 28.7 23.3 23.6 20.3	24.6 27.9 28.4 29.7 28.7 23.8 23.6 20.3	24.3 26.8 27.9 28.7 29.7 23.3 23.8 20.3	20.6 21.5 25.2 23.2 21.9 23.5 23.8 20.3			20.2 20.3 22.0 22.6 21.9 22.8 23.9 20.3 19.3	36.73 36.70 30.30 32.84 33.83 35.70 36.22 36.32 36.32 36.73	36.71 36.70 30.61 32.82 33.90 35.67 36.14 36.30 36.45 36.70	36.71 34.78 32.83 33.84 35.89 36.13 36.30 36.21 36.69	00.00 36.66 36.36 35.15 35.92 36.41 36.46 36.29 36.67	36.64 36.65 36.61 36.74 36.30 36.38 36.63 36.28 36.70		
13 15 16 17 18 19 20 21 22 23 24 25	23 14 21 11 23 19 22 12 10 16	4 5 6 7 8 9 10 11 12	1964 1964 1964 1964 1964 1964 1964 1964	21.7 24.6 28.3 29.6 29.7 28.7 23.3 23.6 20.3 19.3	21.7 24.6 28.3 29.3 29.7 28.7 23.3 23.6 20.3 19.3 18.6 22.3	24.6 27.9 28.4 29.7 28.7 23.8 23.6 20.3 19.3 18.5 22.2	24.3 26.8 27.9 28.7 29.7 23.3 23.8 20.3 19.3 18.2 22.2	20.6 21.5 25.2 23.2 21.9 23.5 23.8 20.3 19.3 17.2			20.2 20.3 22.0 22.6 21.9 22.8 23.9 20.3 19.3 17.2 19.3	36.73 36.70 30.30 32.84 33.83 35.70 36.22 36.32 36.29 36.73 36.48	36.71 36.70 30.61 32.82 33.90 35.67 36.14 36.30 36.45 36.70 36.38	36.71 34.78 32.83 33.84 35.89 36.13 36.30 36.21 36.69 36.40	00.00 36.66 36.36 35.15 35.92 36.41 36.46 36.29 36.67 36.42	36.64 36.65 36.61 36.74 36.30 36.38 36.63 36.28 36.70 36.47		
13 15 16 17 18 19 20 21 22 23 24 25 27	23 14 21 11 23 19 22 12 10 16 14 16 25	4 5 6 7 8 9 10 11 12 1	1964 1964 1964 1964 1964 1964 1964 1965 1965 1965	21.7 24.6 28.3 29.6 29.7 28.7 23.3 23.6 20.3 19.3 18.6 22.3 25.4	21.7 24.6 28.3 29.3 29.7 28.7 23.3 23.6 20.3 19.3 18.6 22.3 25.4	24.6 27.9 28.4 29.7 28.7 23.8 23.6 20.3 19.3 18.5 22.2 25.3	24.3 26.8 27.9 28.7 29.7 23.3 23.8 20.3 19.3 18.2 22.2 24.7	20.6 21.5 25.2 23.2 21.9 23.5 23.8 20.3 19.3 17.2 19.5 21.7			20.2 20.3 22.0 22.6 21.9 22.8 23.9 20.3 19.3 17.2 19.3 20.8	36.73 36.70 30.30 32.84 33.83 35.70 36.22 36.32 36.73 36.48 36.64	36.71 36.70 30.61 32.82 33.90 35.67 36.14 36.30 36.45 36.70 36.38 36.64	36.71 34.78 32.83 33.84 35.89 36.13 36.30 36.21 36.69 36.40 36.65	00.00 36.66 36.36 35.15 35.92 36.41 36.46 36.29 36.67 36.42	36.64 36.65 36.61 36.74 36.30 36.38 36.63 36.28 36.70 36.47 36.58		
13 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30	23 14 21 11 23 19 22 12 10 16 14 16 25 19	4 5 6 7 8 9 10 11 12 1 3 4 5 6	1964 1964 1964 1964 1964 1964 1964 1965 1965 1965	21.7 24.6 28.3 29.6 29.7 28.7 23.3 23.6 20.3 19.3 18.6 22.3 25.4 28.3	21.7 24.6 28.3 29.3 29.7 28.7 23.3 23.6 20.3 19.3 18.6 22.3 25.4 28.3	24.6 27.9 28.4 29.7 28.8 23.6 20.3 19.3 18.5 22.2 25.3 28.2	24.3 26.8 27.9 28.7 29.7 23.3 23.8 20.3 19.3 18.2 22.2 24.7 26.8	20.6 21.5 25.2 23.2 21.9 23.5 23.8 20.3 19.3 17.2 19.5 21.7 22.7			20.2 20.3 22.0 22.6 21.9 22.8 23.9 20.3 19.3 17.2 19.3 20.8 21.7	36.73 36.70 30.30 32.84 33.83 35.70 36.22 36.32 36.73 36.48 36.64 36.38	36.71 36.70 30.61 32.82 33.90 35.67 36.14 36.30 36.45 36.70 36.38 36.64 38.06	36.71 34.78 32.83 33.84 35.89 36.13 36.30 36.21 36.69 36.40 36.65 36.54	00.00 36.66 36.36 35.15 35.92 36.41 36.46 36.29 36.67 36.42 36.71 36.54	36.64 36.65 36.61 36.74 36.30 36.38 36.63 36.28 36.70 36.47 36.58 36.71		
13 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30 32	23 14 21 11 23 19 22 12 10 16 14 16 25 19 20	4 5 6 7 8 9 10 11 12 1 3 4 5 6 8	1964 1964 1964 1964 1964 1964 1965 1965 1965 1965	21.7 24.6 28.3 29.6 29.7 28.7 23.3 23.6 20.3 19.3 18.6 22.3 25.4 28.3 29.3	21.7 24.6 28.3 29.7 29.7 23.3 23.6 20.3 19.3 18.6 22.3 25.4 20.3	24.6 27.9 28.4 29.7 23.8 23.6 20.3 19.3 18.5 22.2 25.3 28.2 29.2	24.3 26.8 27.9 28.7 29.7 23.3 23.8 20.3 19.3 18.2 22.2 24.7 26.8 27.5	20.6 21.5 25.2 23.2 21.9 23.5 23.8 20.3 19.3 17.2 19.5 21.7 22.7 22.0			20.2 20.3 22.0 22.6 21.9 22.8 23.9 20.3 19.3 17.2 19.3 20.8 21.7 22.0	36.73 36.70 30.30 32.84 33.83 35.70 36.22 36.29 36.73 36.48 36.64 36.38	36.71 36.70 30.61 32.82 33.90 35.67 36.14 36.30 36.45 36.70 36.38 36.64 38.06 32.97	36.71 34.78 32.83 33.84 35.89 36.13 36.30 36.21 36.69 36.40 36.65 36.54 34.88	00.00 36.66 36.36 35.15 35.92 36.41 36.46 36.29 36.67 36.42 36.71 36.54 36.68	36.64 36.65 36.61 36.74 36.30 36.38 36.63 36.70 36.47 36.58 36.71		
13 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30	23 14 21 11 23 19 22 12 10 16 14 16 25 19	4 5 6 7 8 9 10 11 12 1 3 4 5 6	1964 1964 1964 1964 1964 1964 1964 1965 1965 1965	21.7 24.6 28.3 29.6 29.7 28.7 23.3 23.6 20.3 19.3 18.6 22.3 25.4 28.3	21.7 24.6 28.3 29.3 29.7 28.7 23.3 23.6 20.3 19.3 18.6 22.3 25.4 28.3	24.6 27.9 28.4 29.7 28.8 23.6 20.3 19.3 18.5 22.2 25.3 28.2	24.3 26.8 27.9 28.7 29.7 23.3 23.8 20.3 19.3 18.2 22.2 24.7 26.8	20.6 21.5 25.2 23.2 21.9 23.5 23.8 20.3 19.3 17.2 19.5 21.7 22.7			20.2 20.3 22.0 22.6 21.9 22.8 23.9 20.3 19.3 17.2 19.3 20.8 21.7	36.73 36.70 30.30 32.84 33.83 35.70 36.22 36.32 36.73 36.48 36.64 36.38	36.71 36.70 30.61 32.82 33.90 35.67 36.14 36.30 36.45 36.70 36.38 36.64 38.06	36.71 34.78 32.83 33.84 35.89 36.13 36.30 36.21 36.69 36.40 36.65 36.54	00.00 36.66 36.36 35.15 35.92 36.41 36.46 36.29 36.67 36.42 36.71 36.54	36.64 36.65 36.61 36.74 36.30 36.38 36.63 36.28 36.70 36.47 36.58 36.71		

TATI N E-L
.PPH: 'M
WATITUE 8 1 'N
LUNGITUDE. 92 1 'W

Yu.se	Jay	Mont:	fear			<u>T</u>	emperat Depth	(M)	J		_				Depth (M			
						. 1	24	43		107	8	- 1	3	11	24	43	70	10
1	29	1	196 -	2 .2	5 .7	1.1	20.1	20.0	19.		19.7	16.5.	36.59	24.40				
	21	2	1963	18.3	18.2	18.2	18.1	18.1	17.4		17.4	37.09	36.88	36.60	36.46	36.56	36.53	
	28	3	1963		20.2	2 .0	19.ь	18.2	17.7		17.7	16.55	36.61	36.61 36.59	36.75	36.68	36.56	_
4	_8	4	1963	23.8	23.8	23.6	22.1	20.1	18.4		18.4	36.57	00.00	10.59	36.57	36.41	36.61	
c			1963	25.4	24.9	24.8	23.3	21.7	19.0		19.0	36.42	36.35		36.66	36.54	36.44	
6		6	1963	28.9	28.9	28.8	26.1	.2.2	19.4		19.4	34.58	34.55	36.35	36.72	36.61	36.39	
	11	7	1963	29.6	29.6	23.4	28.9	25.8	19.7		19.1	36.11	36.22	34.59	35.71	36.45	35.03	
8	18	8	1963	29.9	29.9	30.2	29.2	.4.7	20.2		19.2	35.41	35.47	35.68	36.41	36.57	36.43	
9	2.3	9	1963	28.7	18.7	28.6	28.6	24.1	18.6		18.6	36.42	36.40	36.24	00.00	36.40	36.48	
1.0	21	1 -	1963	26.9	26.8	26.8	20.7	26.7	25.6		.2.8	36.71	36.72	36.66	3628	36.45	36.39	
11	21	11	1963	.4.2	24.2	24.2	24.2	24.2	24.2		4.2	36.89	36.73	36.70	36.85	36.65	36.67	
12	11	1	1963	22.7	22.7	22.6	22.4	22.4	22		22.2	36.79	36.68	36.69	36.82	36.72	36.75	
13	19	1	1964	18.7	18.7	16.6	18.5	18.2	17.7		17.6	36.73	36.70	36.68	36.72 36.65	36.70	37.01	
15	2	3	1964	18.2	18.2	18.2	18.1	17.8	17.b		17.6	36.66	00.00	00.00	30.00	36.68	36.63	
16	2.3	4	1964	22.9	22.9	22.5	2(.2	18.9	17.6		16.5	36.88	36.90	36.84	36.80	00.00	00.00	
17	14	5	1964	25.2	25.2	25.1	24.6	2 .0	18.6		8.4	36.72	36.73	36.70	36.76	36.85	36.77	
18	21	6	1964	28.3	18.3	28.2	26.3	21.2	18		18.1	36.49	36.48	36.63	36.76	36.59	36.62	
19	10	7	1964	29.6	29.3	28.8	28.4	.3.4	19.		17.4	32.40	32.67	35.16	36.07	36.60	36.65	
20	23	8	1964	29.7	29.7	29.7	29.5	.4.4	19.4		19.4	36.46	36.41	36.40		36,68	36.60	
21	18	9	1964	28.5	28.7	28.9	29.2	23.8	19.0		18.6	33.40	33.49	34.18	36.39	36.70	36.61	
22	2.2	10	1964	23.9	23. +	23.9	23.9	24.1	21.7		21.0	36.29	36.22	36.29	36.35	36.53	36.45	
23	1.2	11	1964	23.9	23.9	23.9	13.9	24.1	22.5		20.7	35.91	36.00	36.02	36.20	36.31	36.48	
24	9	1.2	1964	22.1	22.1	22.1	22.1	22.1	22.1		22.1	36.68	36.73	36.75	35.95	35.91	36.41	
25	16	1	1965	21.1	21.1	21.1	21.	20.6	2 .4		20.3	36.97	36.76	36.80	36.70	36.69	36.74	
27	14	3	1965	19.3	19.3	19.3	18.7	17.1	17.4		17.4	36.75	36.67	36.67	36.98	36.77	36.58	
28	16	4	1965	23.2	23.2	23.1	20.8	1+.3	18.2		18.0	36.57	36.65	36.61	36.77	36.65	36.75	
29	26		1965	25.6	25.6	25.4	24.7	.1.3	19.0		19.0	36.43	36.38	36.38	36.69	36.61	36.58	
	20	6	1965	25.9	25.9	25.8	23.3	20.6	19.6		19.6	35.66	35.79	35.77	36.51	36.69	36.60	
		8	1965	27.8	27.8	2e.9	8	20.0	18.9		18.9	33.20	33.24	33.72	36,48	36.59	36.34	
-4		1 1	1965	25.0	25.0	25.1	25.2	24.5	22		22.1	35.74	36.47	36.04	36.53	36.71	3€,71	
1	2	1.2	1965	23.6	23.6	23.7	23.7	.3.7	22.0		21.6	36.13	36.11	36.24	36.12	36.38 36.29	36.42 36.38	

Table (). Monthly temperature and salinity observations at stations on transect 6, 1963-1965

TATION: E=C2 =UPTH: 7 M LATITUDE: 29 42 N LONGITUDE: 93 18 W

ruise	Day	Month	Year				emperat Oepth	ure (M)	1					Sa	linity IL Depth (M		-	
				0	3	11	24	43	70	107	8	0	3	11	24	43	70	107
	2	3	1963	12.2	12.2						10.0	1						
	31	3	1963	20.7	20.7						12.3	29.30	30.02					
4	21	4	1963	23.6	22.6						20.7	26.92	26.83					
5	14		1963	26.2	26.1						22.6	28.12	26.90					
6	2.3	6	1963	28.9	28.9						24.7	27.93	34.90					
	10	7	1963	29.9	29.9						29.4	32.30	32.30					
8	23	8	1963	30.3	30.2						30.2	32.74	32.84					
-)	28	9	1963	26.2	26.3						26.4	30.47	32.67					
10	20	10	1963	25.4	25.4						25.3	30.47	30.34					
11		11	1963	19.2	19.2						19.1	31.78	31.62					
12	16	12	1963	11.1	11.1						11.0	32.31	32.52					
13	2.4	1	1964	10.9	9.4						9.5	32.23	32.34					
14	8	2	1964	10.9	10.9						11.3	30.64	30.61					
16	25	4	1964	24.5	24.4						24.0	16.89	18.09					
17	19	5	1964	26.0	26.0						25.5	19.76	19.76					
18	18	6	1964	29.7	29.7						28.4	20.71	20.65					
19	14	7	1964	28.5	28.5						28.4	30.84	30.88					
.10	26	8	1964	29.6	29.6						29.5	34.69	34.62					
21	22	9	1964	27.9	27.9						28.0	30.66	30.55					
22	25	10	1964	20.6	20.6						20.6	00.00	00.00					
2.3	1.4	11	1964	22.6	22.6						22.5	29.86	29.88					
24	13	12	1964	13.0	13.0						13.3	29.66	28.77					
	15	1	1965	15.3	15.6						15.7	28.47	29.30					
>€.	13	2	1965	13.6	13.6						15.3	27.61	27.47					
	17	3	1965	16.4	16.3						16.2	27.61	27.47					
4	19	4	1965	25.2	24.1						23.3	26.10	26.08					
9	19	5	1965	26.0	26.1						25.8	10.18	13.35					
	2.4	8	1965	28.8	29.0						29.1	29.63	29.67					
35	5	12	1965	17.3	17.1						17.0	00.00	00.00					

STATION: E-1 DEPTH: 14 M LATITUDE: 29°22' N LONGITUDE: 93°20' W

				h		Te	emperatur					nity	
Cruise	Day	Month	Year				De th (M)					e <u>ith (M</u>	
						11	24 43 (10		_ 3	11	.24	1
1	22	1	1963	12.1	12.0	11.9		11.9	34		44.013		
2	20	2	1963	12.1	12.2	12.2		12.3	43,63	33,9, 34,51	14.04		
3	31	3 4	1963 1963	19.1	19.1	19.2		1 + 2 l	34.26	31.57	32.25		
4	21 14	5	1963	25.8	25.8	25.3		*	30,0h	30.12	33.52		
6	23	6	1963	29.1	29.1	29.1			+1.25	33.22	33		
7	10	7	1963	29.9	29.9	29.→		19.1	14,58	13.73	13.91		
8	23	8	1963	31.7	31.1	30.6		(-1.44	(4.90)	10.0			
9	27	9	1963	27.1	27.1	27.1		7.1	1.94	32,87	32.95		
10	20	10	1963	25.6	25.6	25.6		4. 9	0.11	33.16 34 57	33.18		
11	50	11	1963	20.7	14.2	20.7			34,57	15.23	35.21		
1.2	16	12	1963 1964	14.2	10.9	10.4		: 1.3	34 31	34.64	34.85		
13	24	1 2	1964	11.8	11.8	11.7			34.85	35.11	35.)3		
16	25	4	1964	23.4	23.4	23.0		. 9	.98.14	28.21	29.15		
17	18	5	1964	25.6	25.6	25.2		4.9	27.36	27.35	30.65		
18	18	6	1964	28.6	28. n	28.5		9.,9	27.13	2 . 24	27.20		
19	14	7	1964	28.9	28.8	28.1		. 1	28.80	28.78	30.98		
20	26	8	1964	29.4	29.4	29.7		+, b	32,77	33.08	33.38		
21	21	9	1964	28.6	28.6	28.4		H - Z	37, 38	32.36	32.23 32.78		
22	25	10	1964	21.5	21.5	21.5			11.98	32.88	32,88		
23	15 13	11 12	1964 1964	22.7 16.0		16.2		16.	13.62	33.55	34.30		
25	15	12	1965	18.1	18.1	18.1		18.1	34.85	34.92	34.98		
26	13	ĵ.	1965	14.5	14.5	14.5		14 5 1	314	313	31.4.		
27	17	3	1965	16.2	16.1	14.4		14.5	30.42	30.46	31.01		
28	19	4	1965	24.4	23.0	22			79.10	30.39	31.66		
29	19	5	1965	25.5	25.5	25.1			.5.94	10.13	13.76		
30	24	6	1965	29.1	29.1	28.8		15.6	9.91	31.14	318		
32 35	24 5	8 12	1965 1965	28.3	28.4 19.6	29.3		. 9. 5 19. 6	33.77	33.82	34.14		
3.3	_			1717	15.0								
				17.7	19.6								
STATION DEPTH:	E=2 28 M			17.7	19.0								
STATION DEPTH: LATITUD	E=2 28 M E: 28	16, N		13.7	19.0								
STATION DEPTH:	E=2 28 M E: 28	16, N			19.0								
STATION DEPTH: LATITUD. LONGITU	: E=2 28 M E: 28°4 DE: 93°	16' N 20' W					17	1.	t .5d	86.5.	40,12		
STATION DEPTH: LATITUD LONGITU	: E-2 28 M E: 28 d DE: 93	46' N 220' W	1963	17.6	16.6	17.4	17 16.7				36. le 11 . "J	14 56	
STATION DEPTH: LATITUD. LONGITU	: E-2 28 M E: 28°4 DE: 93°	16' N 20' W			16.6 16.7			1.	7 . 58 36 - 56 36 - 51	36.5c 26.5c 36.49	36.51	16.75	
STATION DEPTH: LATITUD LONGITU	: E-2 28 M E: 28 d DE: 93	16' N 20' W 1 2	1963 1963	17.6	16.6 10.7	17.4 16.7	16.7	1. 19.1 19.4 11.8	1.58 36.56 36.51 36.54	36.5. 26.56 36.49 36.50	36.51 36.41	36.75 36.31	
STATION DEPTH: LATITUD LONGITU	: E-2 28 M E: 28°4 DE: 93° 30 20 27 29 14	16' N 20' W 1 2 3 4 5	1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1	16.6 16.7 19.6 23.6 24.8	17.4 16.7 19.6 23.6 24.7	16.7 19.4 21.8 24.1	1. 16.1 19.4 -1.8 -3.8	7.5d 36.56 36.51 36.54 (35.62	36.5. 26.56 36.49 36.50 35.72	36.51 36.41 35.72	36.75 36.31 36.59	
STATION DEPTH: LATITUD. LONGITUI 1 2 3 4 5 6	: E-2 28 M E: 28° DE: 93° 30 20 27 29 14 19	16' N 20' W 1 2 3 4 5	1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9	16.6 16.7 19.6 23.6 24.8 28.9	17.4 16.7 19.6 23.6 24.7 28.4	16.7 19.4 21.8 24.1 23.7	1: 10: 14:4 -1.8 -3.8	1.5d 36.56 36.51 35.52 32.50	36.5. 36.56 36.49 36.50 35.72 32.46	36.51 36.41 35.72 32.54	2 56 36.75 36.37 36.59 35.12	
STATION DEPTH: LATITUD. LONGITUI 1 2 3 4 5 6 7	: E-2 28 M E: 28 d DE: 93 30 20 27 29 14 19	16' N 20' W 1 2 3 4 5 6	1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9	16.6 16.7 19.6 23.6 24.8 28.9 29.8	17.4 16.7 19.6 23.6 24.7 28.4 28.6	16.7 19.4 21.8 24.1 23.7 25.6	1:	36.56 36.51 36.54 35.62 32.50 34.17	36.5. 26.56 36.49 36.50 35.72 32.46 34.17	11 . 74 36 . 51 36 . 41 35 . 72 32 . 54 34 . 67	16.75 36.31 36.59 35.12 36.17	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 7 8	E: E-2 28 M E: 28 DE: 93 30 20 27 29 14 19 10	16' N 20' W 1 2 3 4 5 6 7	1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1	16.6 16.7 19.6 23.6 24.8 28.9 29.8	17.4 16.7 19.6 23.6 24.7 28.4 28.6 29.9	16.7 19.4 21.8 24.1 23.7 25.6 27.3	10.7 19.4 19.4 -1.8 -3.8 -3.7 -23.7 -27.3	36.56 36.51 36.54 35.62 32.50 34.17 36.10	36.5. 26.56 36.49 36.72 32.46 34.17 35.99	36.51 36.41 35.72 32.54 34.67 36.02	16.56 36.75 36.31 36.59 35.12 36.17 32.27	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 7 8 9	: E-2 28 M E: 28°C DE: 93°C 20 27 29 14 19 10	16' N 20' W 1 2 3 4 5 6 7 8	1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.5 29.1	16.6 16.7 19.6 23.6 24.8 28.9 29.8 29.9	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1	1. 19.4 -1.8 -3.8 -3.7 -23.7 -27.3 -29.1	36.56 36.51 36.54 35.62 32.50 34.17	36.5. 26.56 36.49 36.50 35.72 32.46 34.17	11 . 74 36 . 51 36 . 41 35 . 72 32 . 54 34 . 67	16.75 36.31 36.59 35.12 36.17	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 7 8 9	E E - 2 28 M E: 28 C 28 C 28 C 28 C 28 C 28 C 29 C 29 C	16' N 20' W 1 2 3 4 5 6 7 8 9	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.1 29.1	16.6 16.7 19.6 23.6 24.8 28.9 29.8 29.8 29.1	17.4 16.7 19.6 23.6 24.7 28.4 28.6 29.9 29.1 26.4	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4	10.7 19.4 19.4 -1.8 -3.8 -3.7 -23.7 -27.3	36.54 36.54 36.54 35.62 32.50 34.17 36.10 36.12	36.5. 26.5e 36.49 35.72 32.46 34.17 35.99 36.10	36.51 36.41 35.72 32.54 34.67 36.02 36.03	1. 56 36.75 36.31 36.59 35.12 36.17 32.27 36.45	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 7 8 9	: E-2 28 M E: 28°C DE: 93°C 20 27 29 14 19 10	16' N 20' W 1 2 3 4 5 6 7 8	1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.5 29.1 26.6 22.6	16.6 16.7 19.6 23.6 24.8 29.8 29.9 29.1 26.5 26.5 29.3	17.4 16.7 19.6 23.6 24.7 28.4 28.9 29.1 26.4 22.2 19.2	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2	1:	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98	86.5. 26.5e 36.49 35.72 32.46 34.17 35.40 36.12 35.40	36,61 36,41 35,72 32,54 34,67 36,02 36,03 35,34 35,91 35,87	1. 56 36.75 36.37 36.59 35.12 36.17 32.27 36.45 35.44 36.13 35.93	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 7 8 9 10 11 12 13	E E-2 28 M E: 28 G	16' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.9 29.1 26.6 22.6	16.6 16.7 19.6 24.8 28.9 29.8 29.1 26.5 22.5 13.3	17.4 16.7 19.6 23.6 24.7 28.4 28.6 29.9 29.1 26.4 22.2 19.2	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8	1:	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09	36.5. 26.56 36.49 36.52 32.46 34.17 35.40 36.10 36.12 36.12 36.36 36.21	36.61 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.06	1, 56 36,75 36,37 36,59 35,12 36,17 32,27 36,45 35,44 36,13 35,93 36,22	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14	E E-2 28 M E: 28 M DE: 93 DE: 94 DE:	16' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 12	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.9 29.1 26.6 19.3 13.3	16.6 16.7 19.6 24.8 29.8 29.9 29.1 29.1 29.1 31.3 31.3 31.3	17.4 16.7 19.6 23.6 24.7 28.4 28.6 29.9 29.1 26.4 22.2 19.2 19.2	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0	1. 19.4 -1.8 -3.7 -27.3 -29.1 -26.2 -22.3 -19.1 -12.9 -15.1	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15	36.5. 36.59 35.72 32.46 34.17 35.99 36.10 36.12 35.90 36.65	36.61 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.06 36.67	1. 56 16.75 36.37 36.59 35.12 36.17 32.27 36.45 36.45 36.13 35.93 36.22 36.63	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15	E E - 2 28 M E: 28 S DE: 93 S	16' N 20' W 1 23 3 4 5 6 7 7 8 9 10 11 12 12 2 3	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.1 26.6 22.6 19.3 13.3	16.6 10.7 19.6 24.8 28.9 29.1 26.5 22.5 19.3 13.3 13.3 15.1	17.4 16.7 19.6 24.7 28.4 28.9 29.1 26.4 22.2 19.2 13.2 15.1	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5	1: 14.4 -1.8 -3.8 -3.7 -27.3 29.1 26.2 -22.3 19.1 12.9 15.1	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.70	66.5. 76.59 35.76 32.46 34.17 35.99 36.10 35.40 36.12 36.91 36.63 36.65	36.61 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.06 36.67 36.49	1. 56 36.75 36.37 36.59 35.12 36.17 32.27 36.45 35.44 36.13 36.93 36.22 36.63	
STATION DEPTH: LATITUD. LONGITUI 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16	: E-2 28 M E: 28 OE: 93 OE: 94	146' N 20' W 1 2 3 4 5 6 6 7 8 9 10 11 12 2 3	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.9 29.1 26.6 22.6 19.3 15.0	16.6 16.7 19.6 23.6 24.8 28.9 29.9 29.1 26.5 22.5 13.3 15.0 15.1	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1 26.4 22.2 15.0 15.1	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5	10.7 19.4 19.4 -1.8 -3.7 -27.3 -29.1 -26.2 -22.3 -19.1 -12.9 -15.1 -14.5 -19.7	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.70 36.62	66.5. 16.59 16.50 35.72 32.46 34.17 35.99 36.10 36.12 36.12 36.65 36.39	36, 61 36, 61 36, 61 35, 72 32, 54 34, 67 36, 02 36, 03 35, 34 35, 91 35, 87 36, 67 36, 67 36, 67 36, 75	1, 56 36,75 36,35 36,59 35,12 36,17 32,27 36,45 35,44 36,13 36,22 36,63 36,63 36,76	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	E E - 2 28 M E: 28 % OE: 93 0 70 27 14 19 10 17 22 20 10 19 24 3 22 13	146' N 220' W 1 2 3 4 5 6 6 7 8 9 100 11 12 12 2 3 4 5 5	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.5 29.1 13.3 15.0 15.1 21.4	16.6 16.7 19.6 23.6 24.8 28.9 29.1 26.5 22.5 19.3 15.0 15.1 21.4 24.4	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1 26.4 22.2 19.2 13.2 15.0 15.1 21.0 24.1	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4	1	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.79 36.62	86. S. 26. 56 36. 49 36. 60 36. 12 35. 96 36. 49 36. 39 36. 60 30 30 30 30 30 30 30 30 30 30 30 30 30	36.61 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.06 36.67 36.49	1. 56 36.75 36.37 36.59 35.12 36.17 32.27 36.45 35.44 36.13 36.93 36.22 36.63	
STATION DEPTH: LATITUD. LONGITUI 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	E=2 28 M E: 28 P 20 20 20 20 20 20 20 20 20 20 20 20 20	16' N 220' W 1 2 3 3 4 5 6 6 7 7 8 9 10 11 12 2 3 3 4 5 6 6	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.5 29.1 13.3 15.0 21.4 24.4 24.2	16.6 16.7 19.6 23.6 28.9 29.8 29.9 29.1 26.5 21.3 3 15.0 15.1 14.2 24.4 29.3	17.44 16.7 19.6 23.6 24.7 28.4 28.6 29.1 26.4 22.2 15.0 15.1 21.0 24.1 28.2	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8	10.7 19.4 19.4 -1.8 -3.7 -27.3 -29.1 -26.2 -22.3 -19.1 -12.9 -15.1 -14.5 -19.7	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.70 36.62	66.5. 16.59 16.50 35.72 32.46 34.17 35.99 36.10 36.12 36.12 36.65 36.39	36.51 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.06 36.67 36.49 36.75 37.17	1. 56 36.3° 36.59 35.12 30.17 32.27 36.45 35.44 35.93 36.22 36.63 36.62 36.63 36.62 36.76 36.64	
STATION DEPTH: LATITUD. LONGITUI 1 2 3 4 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 19	E E - 2 28 M E: 28 % OE: 93 0 70 27 14 19 10 17 22 20 10 19 24 3 22 13	146' N 220' W 1 2 3 4 5 6 6 7 8 9 100 11 12 12 2 3 4 5 5	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.5 29.1 13.3 15.0 15.1 21.4	16.6 16.7 19.6 24.8 28.9 29.8 29.9 29.1 20.5 19.3 15.0 15.1 21.4 24.4 4 24.4 5 29.3 29.3	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1 26.4 22.2 19.2 13.2 15.0 15.1 21.0 24.1	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4	14.4 14.4 14.4 1.8 .3.8 .3.7 .27.3 29.1 26.2 22.3 19.1 12.9 15.1 14.5 19.7 23.4 25.9	36.56 36.51 36.54 35.52 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.65 36.70 36.62 36.70 36.68	36.5. 26.56 36.49 35.72 32.46 34.17 35.99 36.10 36.12 36.65 36.49 36.39	m .71 36.51 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.67 36.67 36.77 37.17 33.11	1. 56 36.75 36.37 36.59 35.12 36.17 32.27 36.45 35.44 36.13 35.93 36.22 36.63 36.62 36.76 36.64	
STATION DEPTH: LATITUD. LONGITUI 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	E E - 2 28 M E: 28 M E: 28 M C 20 E: 93 M C 27 29 14 19 10 17 22 20 10 19 24 3 22 13 22 10	16' N 20' W 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 4 5 6 6 7	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.9 29.1 26.6 19.3 15.0 15.1 21.4 24.4	16.6 16.7 19.6 23.6 24.8 29.8 29.9 29.1 26.5 29.3 13.3 15.0 15.1 21.4 4 24.4 4 29.3 29.0 29.0 29.0 29.0 29.0 29.0 29.0 29.0	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1 26.4 22.2 19.2 15.0 24.1 21.0 24.1 22.7	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5	10.1 10.1 14.4 1.8 .3.7 27.3 29.1 26.2 22.3 19.1 12.9 15.1 14.5 19.7 23.4 25.9 24.3 27.2 28.3	36.56 36.51 36.54 35.52 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.70 36.68 31.00 30.25 33.80	36.5. 36.59 35.72 32.46 34.17 35.99 36.10 36.12 35.90 36.65 36.39 36.65 31.08 30.20 31.78	m. 74 36.,41 35.72 32.54 35.72 32.54 36.02 36.03 35.34 35.91 35.87 36.06 36.67 36.49 36.75 33.11 30.78 33.11	56, 56 36, 31 36, 59 35, 12 36, 17 32, 12 36, 45 36, 45 36, 45 36, 13 36, 22 36, 63 36, 62 36, 64 36, 63 36, 63	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 6 7 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20	E E-2 28 M E: 28 M DE: 93 M DE	16' N 220' W 1 2 3 4 5 6 7 8 9 9 10 11 1 2 2 3 4 5 6 7 8 8	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.9 29.1 26.6 22.6 19.3 15.1 21.4 29.9 29.9 29.9	16.6 16.7 19.6 24.8 29.9 29.1 29.1 126.5 19.3 13.3 15.0 15.1 24.4 6 29.3 29.0 29.1 20.0 29.0 29.0 29.0 29.0 29.0 29.0 29.0	17.4 16.7 19.6 23.6 24.7 28.4 28.6 29.9 29.1 26.4 22.2 13.2 15.0 15.1 21.0 24.0 12.2 27.8 29.8 29.8 29.9	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.5 28.7	1	36.56 36.51 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.79 36.62 36.79 36.62 31.00 30.25 33.80	60.5. 91.5e 90.49 90.50 35.72 32.46 34.17 35.99 36.10 36.10 36.39 36.21 36.65 36.49 36.39 36.39 36.39 36.39 36.40 31.08 30.20 31.08 31	n. 71 36.41 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.06 36.67 36.49 36.75 37.17 33.11 30.78 35.98 34.43	1. 56 36.3° 36.59 36.59 35.12 36.17 32.27 36.45 36.45 36.13 36.22 36.63 36.62 36.63 36.62 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.63 36.98	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	: E-2 28 M E: 280 DE: 93 30 20 27 29 14 19 10 17 22 20 20 19 24 3 22 10 21 18 21	146' N 220' W 1 2 3 4 5 6 6 7 8 9 10 11 1 2 2 3 4 4 5 6 6 7 8 9 10 11 1 1 2 1 2 3 1 4 1 5 6 6 7 8 8 9 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.5 29.1 13.3 15.0 15.1 21.2 24.2 29.0 29.6 28.6	16.6 16.7 19.6 23.6 24.8 29.8 29.9 29.1 26.5 22.5 22.5 13.3 15.0 15.0 15.1 21.4 29.3 29.9 29.0 29.0 29.0 29.0 29.0 29.0 29.0	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1 26.4 422.2 15.0 15.1 21.0 24.1 28.2 27.8 29.6 28.8 23.6 22.8	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.8 23.7 23.1	14.4 14.4 1.8 .3.8 .3.7 .27.3 29.1 26.2 22.3 19.1 12.9 15.1 14.5 19.7 23.4 25.9 24.3 27.2 28.3 23.7	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.70 36.62 36.79 36.30 36.31	36. 5. 36. 59 36. 49 36. 72 32. 46 34. 17 35. 99 36. 10 35. 40 36. 12 36. 65 36. 49 36. 39 36. 68 30. 20 31. 88 34. 43 34. 89	n. 71 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.06 36.67 36.49 35.31 31.11 30.78 35.98 34.43 34.90	1. 56 36.75 36.75 36.59 35.12 36.17 32.27 36.45 35.44 36.13 36.93 36.22 36.63 36.62 36.76 36.64 36.19 36.63 35.32 36.20 34.74	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	: E-2 28 M E: 28 J DE: 93 30 27 29 14 19 10 17 22 20 20 10 19 24 13 22 11 11 18 21	16' N 220' W 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 4 5 6 7 7 8 8 9 10 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.9 29.1 26.6 19.3 15.0 15.1 21.4 29.9 29.6 29.6 29.6 29.6 29.6 29.6 29.6	16.6 16.7 19.6 23.6 24.8 28.9 29.9 29.1 15.2 26.5 19.3 15.0 15.1 21.4 4 24.4 6 29.3 29.6 6 28.9 8 29.9 29.1 10.1 20.1 20.1 20.1 20.1 20.1 20.1 20	17.4 16.7 19.6 24.7 28.4 29.9 29.1 26.4 22.2 19.2 15.0 15.1 21.0 24.1 22.2 27.8 29.8 29.8 29.9 29.9 15.0 20.1 21.0 22.0 24.1 22.0 24.1 24.0 25.0 26.0 27.0 27.0 27.0 27.0 27.0 27.0 27.0 27	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.5 28.7 23.1 18.9	14.4 -1.8 -1.8 -1.8 -1.7 -27.3 29.1 -26.2 -22.3 19.1 12.9 15.1 14.5 19.7 -23.4 -25.9 -24.3 -27.2 -28.3 -27.2 -28.3 -27.2 -28.3 -27.3	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.98 36.99 36.15 38.70 36.62 31.00 30.25 33.80 34.51 34.92 34.21 35.48	60.5 76.5e- 36.49 36.10 35.40 36.12 36.12 36.65 36.39 36.	N. 71 36.41 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 36.67 36.67 36.75 37.17 33.11 30.78 34.43 34.90 34.38	1. 56 46.75 36.47 36.59 35.12 36.17 32.27 36.45 35.44 36.13 35.93 36.62 36.63 36.62 36.63 36.63 36.63 36.62 36.76 36.64 36.19 36.63 35.32 36.20 34.98 34.74	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 224 25	: E-2 28 M E: 280 DE: 93 30 20 27 29 14 19 10 17 22 20 20 10 19 24 3 22 10 21 18 21 11 9 15	16' N 220' W 1 2 3 4 5 6 7 8 9 9 10 11 12 2 3 4 5 6 7 8 9 10 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.5 22.6 19.3 15.0 21.4 24.2 29.6 28.9 29.6 22.6 19.1 24.1 24.1 29.1 29.1 29.1 29.1 29.1 29.1 29.1 29	16.6 16.7 19.6 23.6 24.8 29.8 29.9 29.1 26.5 29.3 15.0 15.1 21.4 24.4 29.3 29.0 29.0 29.6 29.3 29.3 29.1 20.5 20.6 20.6 20.6 20.6 20.6 20.6 20.6 20.6	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1 26.4 22.2 15.0 15.1 21.0 24.1 28.2 27.8 29.8 29.9	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.5 28.8 23.7 23.1	14.1 14.4 11.8 14.8 13.7 27.3 29.1 26.2 22.3 19.1 12.9 15.1 14.5 19.7 23.4 25.9 24.3 27.2 28.3 27.2 28.3	36.26 36.56 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.79 36.62 36.79 36.62 34.31 34.92 34.31 34.91 34.91 34.91 34.91 34.91 34.91 36	86.5. 10.5e 10.49 10.59 10.50 35.72 32.46 34.17 35.99 36.10 36.12 36.39 36.21 36.39 36.39 36.39 36.39 36.39 36.49 36.39 36.40 31.08 30.20 31.08 30.30 31.08 30.30 31.08 30.30 31.08 31	M. 71 36.41 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.87 36.06 36.67 36.49 36.75 37.17 33.11 30.78 35.98 34.43 35.98	1. 56 36.75 36.45 35.12 36.17 32.27 36.45 35.44 36.13 35.93 36.22 36.63 36.62 36.76 36.64 36.19 36.63 36.64 36.19 36.63 36.64 36.19 36.76 36.76 36.76 36.76 36.76 36.76 36.76 36.76 36.77 36.10	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27	E E-2 28 M E:	146' N 220' W 1 2 3 3 4 5 6 6 7 8 9 10 11 12 2 3 4 5 6 6 7 8 9 10 11 12 1 1 2 3 3 4 5 6 6 7 8 9 10 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 19.9 29.1 26.6 22.6 19.1 21.4 29.5 29.6 23.6 23.6 22.7 18.7	16.6 16.7 19.6 24.8 29.8 29.9 29.1 26.5 22.5 19.3 15.0 15.1 21.4 24.4 29.3 29.6 29.6 29.6 29.6 29.7 19.1 11.1 11.1 11.1 11.1 11.1 11.1 1	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1 26.4 22.2 15.0 15.1 21.0 24.1 22.7 27.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.5 28.5 28.7 23.1 18.9 18.4	14.4 14.4 14.4 1.8 .3.8 .3.7 27.3 29.1 26.2 22.3 19.1 12.9 15.1 14.5 19.7 23.4 25.9 24.3 27.2 28.3 27.2 28.3 23.7	36.56 36.56 36.51 36.54 35.52 32.50 34.17 36.10 36.12 35.57 35.98 36.05 36.62 36.79 36.68 31.00 30.25 31.34 32.34 33.38 34.17 34.17 35.57 36.80 36.81 36	36.5. 36.59 36.49 36.72 32.46 34.17 35.99 36.10 36.11 36.65 36.39 36.39 36.60 31.08 30.20 31.38 34.43 34.49 34.19 35.49 36.14	M. 71 36.41 36.41 35.72 32.54 34.67 36.02 35.34 35.91 35.87 36.06 36.67 36.75 33.11 30.78 34.43 34.90 34.38 35.50 36.68	1. 56 16.75 16.31 16.59 15.12 16.17 16.27 16.45 16.45 16.45 16.63 16.62 16.63 16.63 16.64 16.64 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.64 16.64 16.64 16.64 16.65 16.64 16.65 16	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28	: E-2 28 M E: 28 d DE: 93 30 27 29 14 19 10 17 22 20 20 10 19 24 3 22 10 21 11 18 21 11 9 15	146' N 220' W 1 2 3 4 5 6 7 7 8 9 10 11 12 2 3 4 5 6 6 7 7 8 9 9 10 11 11 12 1 3 3 4 4 5 6 6 7 7 8 9 10 11 12 1 3 3 4 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 6 7 7 8 8 9 9 10 11 12 12 13 3 4 6 7 7 8 8 9 9 10 11 12 12 13 3 4 6 7 7 8 8 9 9 10 11 12 12 13 3 4 6 7 7 8 8 9 9 10 11 12 12 13 3 4 6 7 7 8 9 9 10 11 12 12 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.9 19.1 26.6 22.6 19.1 13.3 15.0 21.4 29.9 29.6 28.6 22.7 19.1 18.1 17.0	16.6 16.7 19.6 24.8 28.9 29.1 26.5 19.3 15.0 15.1 12.4 4.4 4.6 29.3 29.0 29.6 22.7 19.1 18.6 12.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 18.6 22.7 19.1 19.1 19.1 19.1 19.1 19.1 19.1 19	17.4 16.7 19.6 23.6 24.7 28.4 28.6 29.9 29.1 136.4 22.2 13.2 15.0 15.1 24.1 227.8 29.8 29.8 19.2 27.8 19.2 27.8 19.2 27.8 19.2 27.8 19.2 27.8 27.8 27.8 28.8 29.8 29.8 29.8 29.8 29.8 29.8 29	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.5 28.5 28.7 23.1 18.9 18.4 16.3 19.5	14.4 114.4 118.3.7 23.7 27.3 29.1 26.2 22.3 19.1 12.9 15.1 14.5 19.7 23.4 25.9 24.3 27.2 28.3 27.2 28.3 29.1 21.6 21.6 22.7 23.7 23.7 23.7 23.7 23.7 24.8 25.9 26.2 27.3 28.3 29.1 26.2 27.3 29.1 20.3 20	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.70 36.62 36.70 36.62 36.70 36.62 31.00 30.25 33.80 34.51 34.91 34.91 35.57	60.5. 76.5e 30.49 30.572 32.46 34.17 35.99 36.10 35.40 36.12 36.65 36.49 36.39 36.49 36.39 36.39 36.39 36.39 36.39 36.59 36.39 36.59 36.39 36.59 3	N. 71 36.41 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.06 36.75 37.17 33.11 30.78 34.43 34.93 34.33 35.98 34.43 34.93 36.08	1. 56 46.75 36.47 36.59 35.12 36.17 32.27 36.45 35.44 36.13 36.93 36.62 36.63 36.62 36.63 36.63 36.63 36.63 36.76 36.61 36.76 36.71 36.71	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 8 29	E E-2 28 M E: 280 DE: 93 30 20 27 29 14 19 10 17 22 20 20 10 19 24 3 22 10 11 18 21 11 19 15 13 155 26	146' N 220' W 1 2 3 4 5 6 6 7 8 9 10 11 12 2 3 4 4 5 6 6 7 8 9 10 11 12 1 1 2 3 4 4 5 6 6 7 8 8 9 10 10 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 19.9 29.1 13.3 15.6 21.2 24.2 29.6 29.6 22.6 19.1 18.7 17.6 22.7 19.1 24.2 25.5 25.5	16.6 16.7 19.6 23.6 23.8 29.8 29.9 29.1 26.5 22.5 22.5 22.5 22.5 22.5 22.5 22.5	17.4 16.7 19.6 23.6 24.7 28.4 29.9 29.1 26.4 22.2 13.2 15.0 15.1 21.0 24.1 22.7 8.8 23.6 28.8 23.6 22.8 19.1 18.5 16.6 22.8	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.8 23.7 23.1 18.9	14.4 14.4 14.4 1.8 .3.8 .3.7 27.3 29.1 26.2 22.3 19.1 12.9 15.1 14.5 19.7 23.4 25.9 24.3 27.2 28.3 27.2 28.3 23.7	36.56 36.56 36.51 36.54 35.52 32.50 34.17 36.10 36.12 35.57 35.98 36.05 36.62 36.79 36.68 31.00 30.25 31.34 32.34 33.38 34.17 34.17 35.57 36.80 36.81 36	36.5. 36.59 36.49 36.72 32.46 34.17 35.99 36.10 36.11 36.65 36.39 36.39 36.60 31.08 30.20 31.38 34.43 34.49 34.19 35.49 36.14	N. 71 36.41 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 36.06 36.67 36.73 36.77 36.11 30.78 34.43 34.93 34.43 34.93 36.68 35.86 36.68 35.86	1. 56 16.75 16.31 16.59 15.12 16.17 16.27 16.45 16.45 16.45 16.63 16.62 16.63 16.63 16.64 16.64 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.63 16.64 16.64 16.64 16.64 16.65 16.64 16.65 16	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29 30	: E-2 28 M E: 28 d DE: 93 30 27 29 14 19 10 17 22 20 20 10 19 24 3 22 10 21 11 18 21 11 9 15	146' N 220' W 1 2 3 4 5 6 7 7 8 9 10 11 12 2 3 4 5 6 6 7 7 8 9 9 10 11 11 12 1 3 3 4 4 5 6 6 7 7 8 9 10 11 12 1 3 3 4 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 6 7 7 8 8 9 9 10 11 12 1 3 3 4 6 7 7 8 8 9 9 10 11 12 12 13 3 4 6 7 7 8 8 9 9 10 11 12 12 13 3 4 6 7 7 8 8 9 9 10 11 12 12 13 3 4 6 7 7 8 8 9 9 10 11 12 12 13 3 4 6 7 7 8 9 9 10 11 12 12 13 13 14 14 14 14 14 14 14 14 14 14 14 14 14	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 29.9 19.1 26.6 22.6 19.1 13.3 15.0 21.4 29.9 29.6 28.6 22.7 19.1 18.1 17.0	16.6 16.7 19.6 24.8 28.9 29.8 29.9 29.1 19.2 26.5 22.5 19.3 29.0 29.1 15.1 21.4 4.4 24.4 22.4 29.3 29.0 28.9 23.6 22.7 19.1 18.6 29.3 19.0 17.0 0.1 17.0 0.1 17.0 17.0 17.0 17.0	17.4 16.7 19.6 23.6 24.7 28.4 28.6 29.9 29.1 136.4 22.2 13.2 15.0 15.1 24.1 227.8 29.8 29.8 19.2 27.8 19.2 27.8 19.2 27.8 19.2 27.8 19.2 27.8 27.8 27.8 28.8 29.8 29.8 29.8 29.8 29.8 29.8 29	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.5 28.5 28.7 23.1 18.9 18.4 16.3 19.5	14.1 14.4 11.8 .3.8 .3.7 27.3 29.1 26.2 22.3 19.1 12.9 15.1 14.5 19.7 23.4 25.9 24.3 27.2 28.3 27.2 28.3 27.2 28.3 28.4 26.2 27.3	36.26 36.56 35.62 32.50 34.17 36.10 36.12 35.57 35.98 36.09 36.15 36.79 36.62 39.79 30.35 34.51 34.92 34.21 35.57 36.62 37.79 38.57 38	86.55. 10.5e- 10.49 10.590 35.72 32.46 34.17 35.99 36.10 35.40 36.35.90 36.41 36.65 36.39 36.39 36.39 36.39 36.39 36.39 36.39 36.50 31.08 30.28 34.47 35.90 36.50 36.50 36.50 36.50 36.50 36.50	M. 71 36.41 36.41 35.72 32.54 34.67 36.02 35.34 35.91 35.87 36.06 36.67 36.49 36.77 37.17 33.11 30.78 35.98 34.43 35.90 34.43 35.93 36.66 36.67 36.68	1. 56 36.75 36.45 35.12 36.17 32.27 36.45 35.44 36.13 35.93 36.22 36.63 36.62 36.76 36.63 36.62 36.76 36.69 36.61 36.63 36.64 36.19 36.67 36.67 36.67 36.69 36.69 36.49	
STATION DEPTH: LATITUD LONGITUI 1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27 28 29	: E-2 28 M E: 28 J DE: 93 30 27 29 14 19 10 17 22 20 20 10 19 24 13 22 10 21 11 18 9 15 15 15	146' N 220' W 1 2 3 4 5 6 6 6 N 2 2 1 3 4 5 6 6 N 2 2 2 3 1 2 2 2 3 3 4 5 5 6 6 N 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1963 1963 1963 1963 1963 1963 1963 1963	17.6 16.7 19.7 23.6 25.1 28.9 30.1 26.6 22.6 19.3 15.0 15.1 21 24 29 29 29 29 21 21 21 22 21 22 23 29 29 29 29 29 29	16.6 16.7 19.6 24.8 29.8 29.9 29.1 26.5 22.5 3 13.3 15.0 15.0 15.1 21.4 4 29.3 29.6 29.6 29.6 21.4 20.7 20.7 20.7 20.7 20.7 20.7 20.7 20.7	17.4 16.7 19.6 24.7 28.4 29.9 29.1 26.4 22.2 19.2 15.0 24.1 21.0 24.1 22.2 27.8 29.8 29.8 121.0 24.1 121.0 24.1 121.0 24.1 121.0 24.1 121.0 24.1 121.0 24.1 121.0 25.1 121.0 26.2 27.8 28.8 29.9 29.9 29.9 29.9 29.9 29.9 29	16.7 19.4 21.8 24.1 23.7 25.6 27.3 29.1 26.4 22.3 19.2 12.8 15.0 14.5 19.7 23.4 26.8 25.5 28.5 28.5 28.7 23.1 18.9 18.4 16.3 19.° 25.0 26.5	14.4 -1.8 -1.8 -1.8 -1.7 -27.3 -29.1 -26.2 -22.3 -19.1 -12.9 -15.1 -14.5 -19.7 -23.4 -25.9 -24.3 -27.2 -28.3 -27.2 -28.3 -27.2 -28.3	36.56 36.51 36.54 35.62 32.50 34.17 36.10 36.12 35.98 36.99 36.15 36.79 36.62 31.00 30.25 33.80 34.51 34.92 34.21 35.98 36.19 36.52 35.97 36.51	60.5 76.5e- 36.49 36.10 35.40 36.12 36.45 36.21 36.65 36.39 36.60 31.08 30.20 33.78 34.49 36.14 36.57 36.50 36.50 36.50 36.50	M .71 36.41 35.72 32.54 34.67 36.02 36.03 35.34 35.91 35.87 36.67 36.67 36.75 37.17 33.11 30.78 34.43 34.90 34.38 35.98	1. 56 16.75 16.75 16.75 16.75 16.17 17.17 17.17 18.17 18.17 18.17 18.18	

PATION. E-1 EPTH: 46 M LATITUDE: 28°28' N LUNDITUDE: 93°20' W

Tuise	Day	Month	Year				emperat Depth		C)			-		Sal	Oepth (M)	00)		
					3	11	24	4.3		1	8	0	3	11	24	43	70	10
1	30	1	1963	18.7	18.7	18.6	17.8	17.7			17.,	36,49	36.46	36.57	36.55	36.57		
1		2	1963	18.0	17.9	17.9	17.8	17.6			16.8	36,60	37.01	36.67	36.68	36.69		
1	- 7		1963	20.5	20.4	20.3	20.0	18.3			18.3	36.59	36.64	36.65	36.62	36.61		
4	2+	4	1963 1963	24.2 25.6	24.2	24.2	22.2	20.4			20.3	00,00	36.43	36.39	36.47	36.52		
6	19	6	1963	.8.7	28.7	27.2	25.3	21.5			21.1	35.43 33.78	35.89 33.81	36.09 34.14	36.64 35.67	36.61 36.48		
7	11	7	1963	30.	30.1	29.7	28.9	22.5			.11.3	33.97	34.62	34.25	35.30	36.39		
В	17	Н	1963	29.8	29.8	29.6	29.7	21.1			.01.7	36.51	36.52	36.44	36.50	36.43		
4	30	9	196 1	26.6	28.6	28.6	28.5	27			26.3	36.32	36.34	36.28	36.14	36.5		
- 1		11	1963	26.8	26.8	26.8 24.1	26.7	26.7			26.7	36.68 36.82	36.60 36.79	36.67 36.90	36.59 36.82	36.65		
12	1)	1.2	1963	.1.3	21.3	21.3	21.3	2 .7			20.4	36.80	36.72	00.00	36.72	36.86		
13	19	1	19/4	16.7	16.7	16.7	16.3	16.1			16.0	36.65	36.56	36.60	36.52	36.54		
14	24		1964	le.s	16.8	16.8	16.8	16.6			16.4	36.64	36.65	36.67	36.63	36.56		
15	~	4	1964 1964	17.6	17.6	17.5	17.3	lt.r			16.6	36.61	36.69	36.64	36.6	36.69		
17	13	4 5	1964	21	22.1	24.4	19.6 23.4	19. 20.7			19.0	36.76 16.48	36.72 36.42	36.94 36.66	36.98	36.91 36.72		
18	21	6	1964	29.4	28.4	28.2	27.7	20.6			20.1	36.36	36.26	36.24	36.70 36.42	36.48		
19	1	7	1964	28.€	28.6	28.1	27.6	23.2			21.2	34.30	34.23	34.80	36.31	36.58		
20	21	8	1964	29.7	29.7	29.7	28.7	22.7			21.8	34.58	34.39	34.47	36.10	36.6.		
21	18 21	9	1964 1964	28.8	28.8	28.8	28.5	23.7			21.2	36.07	36.0€	36.08	36.42	36.63		
23	11	11	1964	24.3	23.9	23.8	23.7	34.0			23.9	35.48 36.21	36.59 36.30	35.38	35.30 36.18	35.32 3e.46		
24	9	12	1964	21.4	21.4	21.4	21.4	21.4			21.4	16.41	36.49	36.54	36.39	36.48		
.5	15	1	1965	20.7	2 .7	20.6	19.9	19.8			19.6	36.61	36.62	36.66	36.49	36.46		
27	13	3	1965	18.7	18.7	18.6	18.3	18.1			17.7	3n.85	36.72	36.70	36.69	36.73		
28	15	4	1965	22.5	22.5	22.2	19.2	18.3			18.3	36.57	36.54	36.54	36.57	36.56		
79	26 19	5 6	1965 1965	25.3 28.6	25.3	25.2	25.1 26.0	22.6			22.6	36.70 36.71	36.67 36.60	36.64 36.74	36.61 36.65	36.56		
32	19	8	1965	29.1	29.1	29.2	28.8	23.3			23.0	35.14	34.94	34.99	36.09	36.59		
34	31	10	1965	24.8	24.8	24.8	24.8	25.0			25.3	35.62	35.64	35.57	35,63	35.74		
35	1	12	1965	22.4	22.4	22.3	22.3	22.2			22.2	35.77	36.09	35.97	35.93	35.93		
1	30	1	1963	19.7	19.6	19.6	19.5	19.4	18.5		18.5	36.55	36.49	36.55	36.55	36,57	36.55	
2	20	2	1963	18.6	18.5	18.4	18.4	18.3	18.2		17.7	36.69	37.05	36.79	36.59	36.80	36.68	
3	27 29	3	1963	20.1	20.1	19.7	19.2	18.7	17.9		17.9	36.68	36.67	36.62	36.59	36.63	36.50	
5	15	5	1963	25.7	25.4	25.3	22.2	20.1	18.6		18.5 19.3	36.40 35.68	36.52 35.68	36.48 36.22	00.00 36.43	36.47 36.61	36.49 36.61	
6	19	6	1963	28.5	28.5	28.4	25.6	22.8	19.7		19.3	35.04	35.23	35.31	35.76	36.47	36.55	
7	11	7	1963	29.3	29.3	28.9	27.3	21.7	18.7		17.9	34.19	34.17	34.59	36.23	36.54	34.84	
8	17	8	1963	29.6	29.6	29.6	29.6	24.3	19.4		18.9	36.60	36.52	36,63	36.44	36.43	36.65	
10	22	10	1963 1963	27.7	28.2 26.8	28.1 26.7	28.1	25.8 26.7	20.0		20.0	36.75 36.71	36.67 36.82	37.03 36.66	36.73 36.78	36.58 36.68	36.49 36.48	
11	21	11	1963	24.7	24.6	24.6	24.5	24.4	24.4		20.7	36.69	36.79	36.69	36.79	36.76	36.84	
12	11	12	1963	22.8	22.8	22.8	22.8	22.7	22.3		22.1	36.89	36.79	36.73	36.68	36.76	36.72	
13	18	1	1964	17.9	17.9	17.9	17.8	17.7	17.7		17.7	36.68	36,77	36.80	36.69	36.80	36.71	
14	24	2	1964	17.6	17.6	17.6	17.6	17.3	17.1		17.1	36.66	36.68	36.65	36.59	36.67	36.65	
15 16	2 22	3 4	1964 1964	17.5	17.5	17.4	17.4	17.3	17.1		17.1 16.9	36.69 36.70	36.59 36.72	36.70	36.69 36.84	36.65	36.64 36.78	
17	13	5	1964	25.5	25.4	25.3	23,5	19.8	17.6		17.8	36.43	36.34	36.34	36.34	00.00	00.00	
18	21	6	1964	28.9	28.9	28.9	27.5	23.3	20.2		20.2	35.73	35.69	35.99	36,59	36,64	36.18	
19	10	7	1964	29.0	28.9	28.7	27.5	21.4	18.2		17.9	33.85	33.80	34.44	36.31	36.65	36.64	
20	21	8	1964	29.9	29.9	29.8	27.4	21.1	18.7		18.7	35.04	34.95	34.98	35.29	35.43	36.43	
21	18 21	9	1964 1964	26.8	26.8	28.8	28.8	23.2	19.2		19.2	36.23 35.88	36.17 35.85	36.15 35.87	36.17 36.32	36.50 36.40	36.71 36.46	
23	11	11	1964	24.9	24.9	24.9	24.8	24.7	22.7		19.6	36.38	36.41	36.37	36.68	36.45	36.65	
	9	12	1964	21.9	21.9	21.9	21.8	21.8	21.8		19.8	36.75	36.76	36.73	36.82	36.77	36.74	
24	16	1	1965	21.3	21.3	21.2	21.2	21.1	21.0		20.9	36.79	36.74	36.91	36.76	36.78	36.75	
25	1.3	3 4	1965 1965	19.3	19.3	19.2	18.6 21.1	18.4	18.1		17.2 17.9	36.52	36.48 36.57	36.58	36.56	36.60	36.65	
25 27			1302	22.9			25.1	20.3	18.2		17.9	36.60 36.55	36.57	36.58 36.58	36.55 36.55	36.60	36.65	
25 27 26	15		1965	25.2	25.3													
25 27		5	1965 1965	25.3 28.8	25.3	25.3 25.3												
25 27 26 29	15 26	5	1965 1965 1965	25.3 28.8 29.1	25.3 26.1 28.6	25.3	22.6	19.6	19.2		19.2	36.31 34.88	36.25 34.64	35.84 37.79	36.47 35.68	36.65 36.71	36.63	
25 27 26 29 30	15 26 19	5	1965	28.8	26.1	25.3	22.6	19.6	19.2		19.2	36.31	36.25	35.84	36.47	36.65	36.63	

STATION: E-6
DEPTH: 110 M
LATITUDE: 27⁰59' N
:ONGITUDE: 93⁰20' W

ruise	Day	Month	Year		_	Te	Depth	ure	`)			-			inity Depth (M)			
2 44 50	bu j	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				11	24	43	76	107	8	1			24			
1	30	1	1963	20	20.3	411.2	200.00		19.9	19.1	11.1	36.5		3t ol	36,5	0 ,	36	36
2	21	2	1963	19.	19.1	19.1	18,4	18.h	18.7	1.9	. 7	36.8		36,61	36.77	1.,6"	30.00	36
3	27	3	1963	20.	19.9	19.8	19,6	19.1	17.8	17.7	17.7	36.6	36.6.	46.60	36.14	36.51	36.4	36.5
5	15	5	1963	25.6	25.2	25.2	25.1	20.4	19.8	18.6	18.4	16.3	36.25	36.29	36,32	16.40	36.54	36.4
6	19	6	1963	29.1	39.1	28.9	27.4		20.4	18.3	17.7	15.3	35.17	35.36	36.65	36.,5,/	36.54	3+ , 4
7	11	7	1963	29.1	29.3	28,6	26.1	. 2.2	18,6	17.7	17.7	37.9	33.86	35,25	36.31	36.5	0.51	11 5
8	17	8	1963	29.8	29.8	29.8	29.7	.3.3	. (1, ()	17.8	16.4		36.46	36.87	36,62	36.4	10,	36.1
9	2.2	9	1963	28.5	28.4	28.3	.'8	26.8	20.8	17.2	11.2	40.1	00.00	36.5€	36.54	36. "	+ 1.47	1F. 1
10	21	10	1963	26.7	26.7	26.7	26.7	76.6	_1.9		.50.3	36.9	36. 6 1	36.59	36.66	36.62	36.44	46.8
11	21	11	1 163	24.8	24.8	24.7	24.7	.4.6	24.4	19	19.1	, 3E , 61	11 11 11		00.00			
12	11	1.2	1963	22.9	22.9	22.3	22.9	1.1 4	12.h	17.9		36.6	36.3.1.1	37.11	36.35	36.76	36.68	,e , -
13	18	1.	1964	18.7	18.7	18.6	18.3	17.+	17. '	1	17.5	1 36.6	36.,68	36,68	36.72	36.68	3∈.77	181
14	24	2	1964	16.6	16.6	16.6	16.3	16.2	16.	15.4	15.8	, 36.5	7 36.,60	36.62	46.56	36.58		14 . C
15	2	3	1964	18.3	18.3	18.4	18.3	18.3	18.1	17	17.4	16.6	16.66	36.58	36.66	36.75	16,69	31.76
16	22	4	1964	23.1	23.	22.8	21.3		18.7	17.1	16.8	36,8	36.84	36.83	36 12	36.74	36.85	46.6
17	13	5	1964	25, 1	25.4	25.3	24.7	.2.3	18.8	17.	17.3	1 36.2	16.19	36.26	16.68	36.68	36,61	34.4
18	21	ь	1964	28.6	28.4	28.2	26	.1.7	19.3	17.:	17.2			35.63	36.57	36.64	36.59	
19	10		1964	28.8	28.8	28.6	25.€	.0.9	18.7	17	17.2	.3.7	33,60	53.60	35.36	36.73	36.54	den , 4
20	21	8	1964	30.1	30.1	29.9	28, €		18.1	17.5	17.3			.5.59	36.00	36.57	36.37	36.1
21	18	9	1964	29.2	29.2	29.2	.9	.9.1	. J. 4	18.5	17.4	36.6			36.72	36,70	36.61	36.5
22	22	10	1964	23.9	24.0	23.9	23.9	23.8	28	18 4	18.3	311.4		40.43	314.2	36.45	36.48	36.4
13	11	11	1964	25,3	25.3	25.2	25.2	25.1	.3.9	19.0	18.6	36.7	8 34 .5.	36.45	36.50	36.57	36,53	36.4
24	9	12	1964	22.4	22.4	22.4	22.4	22.4	22.6	19.4	19.4	36.7		36.74	36.69	36.74	36.78	36.7
25	16	1	1965	21.9	21.9	21.9	21.9	.1.8	.1.8	17.8	17.0	B., H		35.99	36,89	36,82	36.81	36.
28	15	4	1965	23.9	23.6	23.3	22.8	10.4	19.7	17.9	17.8	36.5		30.02	36,63	36,57		36.4
19	26	5	1965	25.6	25.6	25.6	25.1	21.4	19.3	17.9	17.9	36.6		do.46	36.74	36.59	36.60	36.4
30	19	6	1965	25.9	25.9	25.1	22.8	20.5	19.3	18.1	18.1	36.1		15.66	30.51	36.54	36.73	36.6
12	19	6	1965	29.4	29.4	28,3	25.3	22.0	19.6	16.7	16.5	35.5		15.75	36.23	36.67	36.80	36.4
	31	10	1965	25.4	25.3	25.3	25.2	25	25.7	2 (1.1	20.0	36,6		46.3s	3F.34	36.40	36.43	36.4
3.4	31	10	1900	23.4		20.0	43.4								5 5.4	300, 400	3.0 1 4	

Table 7. Month!, temperature and salinity of ervation at station on transect ", 1963-1965

TATION: W-5%
DEPTH: 7 M
LATITUDE: 29 03 N
LONGITUDE: 95 06 W

ruise	Day	Month	Year		-	T	emperati Depth	(M)							Depth (M			
ruise	Day	Honen	1001	0	3	11	24	43	70	107	8	71		11	24	4.3	70	10
2	11	3	1963	14.7	14.8						14.8	31.47	31.43					
3	2	4	1963	22.2	22.2						20.4	28.97	28.97					
4	7	5	1963	25.2	25.3						24.0	22.68	23.23					
5	19	5	1963	26.7	26.6						23.2	33.68	34.82					
6	1	7	1963	29.0	28.9						28.8	34.90	34.81					
7	17	7	1963	28.7	28.7						28.4	36.15	36.17					
8	28	8	1963	31.1	31.1						31.1	37.06	36.47					
9	1	10	1963	25.9	25.9						25.9	29.29	29.26					
10	31	10	1963	24.6	24.6						24.6	30.74	30,67					
11	30	11	1963	16.2	00.0						0.00	31.99	32.17					
12	19	12	1963	11.8	11.8						11.6	32.18	32.09					
13	26	1	1964	9.9	9.7						9.4	32,01	31.83					
14	19	2	1964	12.4	12.4						12.2	33.55	33.72					
15	22	3	1964	15.1	15.0						14.6	31.78	31.93					
16	15	4	1964	19.7	19.6						19.4	25.81	25.76					
17	22	5	1964	27.1	27.1						26.2	23.47	23.49					
18	24	6	1964	29.6	29.6						25.8	31.58	31,59					
19	16	7	1964	28.5	28.5						28.5	34.52	34.79					
20	29	8	1964	29.6	29.6						29,6	36.64	36.62					
21	25	9	1964	28.0	28.0						28.0	30.45	30.41					
22	28	10	1964	21.9	21.9						21.9	31.96	32.02					
23	19	11	1964	23,5	23.5						23.5	31.10	31.05					
24	19	12	1964	12.1	12.1						12.1	28.66	28.61					
25	10	1	1965	15.4	15.4						16.0	30.45	30.41					
26	26	2	1965	13.8	14.2						14.2	32.78	33.13					
27	20	3	1965	14.7	14.7						14.5	30.16	30.12					
28	2.3	4	1965	23.9	23.9						23.8	28.96	29.01					
29	2	6	1965	27.3	27.3						26.4	21.06	20.96					
30	15	6	1965	29.3	28.8						25.9	24.70	25.68					
32	11	8	1965	29.0	28.9						28.7	34,84	35,07					
3.3	8	9	1965	29.8	29.7						29.6	00.00	00.00					
35	9	12	1965	17.3	17.2						17.1	00.00						

TATAL W-FTE 4 M LATIT F 29 11' W LINGITUE, 9 'W

ruisc	īa;	Month	lear	F			Depth (M					inity (o/ Depth (M)		
	,			1		11	24 4	 7 B	T		11	24	43	10
	6		.96	01.3	La I	10.9		10.8	10	31.70	31,70			
	2		. 36.3	12.8	8	12.8		12.8		31.40	31.31			
	3	4	196	1.9	1	19.4		19.2	29.14	29.40	340			
4	7		T307	5.2	25.	24.7		23.9	f . ;	32.62	34.11			
r) F			1963	5.6 28.9	26.1	23.2		23.0	34.32	34.92	35.81			
2	17		1963	29.1	29.4	29.3		H.1	34,69	34.6+	35.26 36.61			
В	28	3	131	. 4	30 3	31.1		1.1		36.34	10.9.			
4	2		1363	26.0	26.1	26.2		.6.1	302	30.36	30.08			
	31	10	1 965	24.3	24.4	24.1		5.1	30.81	30.76	356			
	30 1∃	11	196	17.4 12.3	17.4	12.3		17.6	33.2 32.59	33.13	33.35			
	26	1.	1 16:4	9.3	9.	3.6		13	32.79	32.52	32.54			
4	3		1964	1. 4	14	14		.7.4	35.02	34.91	34.97			
	2		1964	16.1	15.1	14.9		14.9	31.93	3 1 8	34.81			
.6	J c	4	1 44,4	19.4	19.4	19.3		19.2	28.78	28.88	29.31			
	4 4		1964	26.4	26.4	2r.3		1.9	26.34	26.41	27.115			
18 19	16	6	1964	_9.	27.1	8			31.61	31.83	34.29			
1.7	2.9		1964	.9.1	29.3	_ 3, 1		19.2	10.37	36.37	34.87 36.33			
	2		1364	.7.+	17.4	_7.+		17.9	(1.40	31.33	31.49			
			1 16.4		1	.2.		9.1	32.86	32.88	389			
	1.)		1 +64	. 3.)	23.0	23.1			31.00	31.98	30.99			
4	19		1964	18	12.	13.2			10.15	30.12	30.61			
	26		1965 1965	15.4 13.7	15.4	15.7		16.4	30.51 33.37	30.52	33.79 35.55			
_7	21	1	1965	14.8	14.8	14.5		14.9	32.47	32.29	32.4.			
18	23	4	1965	23.4	23.3	3.2		1,0	29.97	29.96				
3	4.	6	1965	27.1	27.1	26.7		16.6	21.16	21.12	31.94			
	15	6	1965	29.1	28.7	_5.6		25.5	14.51	26.59	34.81			
	11	8 9	1965 1965	.9.0	29.0	28.6		.78,1	34.87	35.28	35.32			
	4	12	1965	18.9	18.9	18.9		8.1			0.00			
TITUU	L8 M													
	28°4 E 94'5													
	1. 28°4 0E 94' :	ie' W	196 (13.4		12.7	1 . 4	13.4		35.8	35, 11	78		
	28 4 0E 94 5	L 3	1963	14.3	13.7	13.5	1 1.4		, r . 4 =	35.73	35.41 35.68			
NGITUD 1 2 3	28 4 5 28 94 5 31 3	ie' W	1963 1963	14.2 20.1	13.7 19.7	13.5 19.3	18.1	13.8 18.5	36.17	35.73 36.23	35.68 36.46	35 98 36.24		
NGITUD 1 2 3 4	28 4 56 94 5 31 3 3	L 3	1963 1963 1963	14.2 20.1 23.7	13.7 19.7 24.1	13.5 19.3 24.2	15.5 18.1 23.6	13.8 18.5 23.3	36.17 34.13	35.73 36.23 34.97	35.68 36.4€ 35.24	35 98 36.24 35.37		
1 2 3	28 4 94 5 31 3 4 7 20	L 3 4 5 5 5	1963 1963 1963 1963	14.2 20.1 23.7 26.4	13.7 19.7 24.1 26.4	13.5 19.3 24.2 25.7	15.8 18.1 23.6 23.1	13.8 18.5 23.3 22.8	36.17 34.13 32.29	35.73 36.23 34.97 32.24	35.68 36.46 35.24 33.53	35 98 36.24 35.37 36.08		
I 2 3 4 5	28 4 56 94 5 31 3 3	L 3	1963 1963 1963	14.2 20.1 23.7 26.4 28.7	13.7 19.7 24.1 26.4 28.6	13.5 19.3 24.2 25.7 28.6	15.3 18.1 23.6 23.1 26.1	13.8 18.5 23.3 22.8 26.0	36.17 34.13 32.29 34.45	35.73 36.23 34.97 32.24 34.93	35.68 36.46 35.24 33.53 34.91	35 96 36.24 35.37 36.98 35.58		
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AT LON:	W=54 73 M EL 28 G DET 94 31 3 5 5 7 26 17	381 W	1963 1963 1963 1963 1963 1963		18.6 -1.6 -24.4 -1.3 -8.6 -28.8 -29.7	1 1 1 1 1 24.1 26.2 28.6 28.7 29.7	18. 21.7 23.9 25. 28.6 28.6 29.1	18.4 18.2 2.5 5.7 28.5 27.7 25.6		1 19 19, 19,		ve. d 0* 8* 7.71 () 2646 36.50 36.80	46.47 56.51 56.51 56.51 56.49 36.46 36.46	36, 4 31, 31 36, 11 25, 40 36, 40 36, 4 36, 4 36, 4	761, 144 361, 44 361, 63 361, 64 361, 24 361, 49 361, 63	46 36. 4 36. 7 36. 41 36. 45 36. 45	36. 36.1 36.4 36.43 4.42 46.34
VI LON: PTH: PITUDE SGITUT 4 5 6	W=54 73 M 6: 28 G 6: 34 31 6: 5 72 6: 77 31 6: 77 31 6: 77 31 6: 78 6: 79 6: 7	01 S 381 W 1 4 4 5 6 6 7 8 1 11 11 12	1964 1964 1964 1964 1964 1963 1963 1964 1963 1963		15.6 -1.6 -24.1 -5.3 -8.6 -28.8 -29.7 -7.3 -26.3 -23.3 -11.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18. 21.7 23.9 25. 28.6 29.1 27.7 26.3 21.1	18.4 18.2 2.5 28.5 27.7 25.6 27.3 26.5 28.5 28.5 21.5	9 26.	1 19 19, 19, 1°,	1 4 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56.4 6.7 7.71 (), 0 76.46 36.50 16.80 6.59 6.76 36.84 6.77	60,47 60,51 30,57 70,71 -,37 36,46 36,40 36,01 36,01 36,01 36,01 36,01	36, 4 9, 17 36, 11 35, 49 36, 44 36, 54 36, 54 36, 74 36, 71	76. 74 36. 44 96. 53 36. 24 10. 07 36. 163 36. 58 36. 75 36. 75 36. 75	46, 436, 44, 47, 48, 41, 48, 4	36. 36. 36. 36.43 36.44 36.44 36.44 36.44 36.44 36.41
ATTON: PTH: PITUDE 1 4 5 6 7 1 1 1	W=54 73 M E: 28 0 0Er 94 31 31 3 3 5 5 26 17 31 31 31 31 4 5 17 31 31 31 31 31 31 31 31 31 31 31 31 31	1 384 W 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1964 1967 1967 1963 1963 1963 1963 1963 1964 1964		15.6 11.6 24.1 1.3 78.6 28.8 29.7 26.3 23.3 11.1 18.3	1+1 1-24-1 26-1 18-6 28-7 29-7 26-3 23-3 21-1 18-3	18. 21.7 23.9 25. 28.6 29.1 27.7 26.3 23.3 21.1 18.2	10.4 16. 2 5 27 27 27 27 23 23 23 21	9 26, , 7,9 18,2	1 19 19 19 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6. d 6. f 7. 71 6. f 7. 71 6. 46 36. 50 36. 80 6. 59 9. 76 36. 84	\$6.47 56.51 56.57 56.49 36.49 36.46 36.61 36.63 36.85 16.71 46.7	36, 4 21, 11 36, 11 25, 40 36, 41 36, 5 46, 54 36, 54 36, 83 36, 74 36, 83	56. 44 36. 44 56. 53 36. 24 10. 0 36. 49 36. 58 36. 75 36. 82 36. 75 36. 82	66	36. 36. 36. 36. 47. 46. 46. 46. 46. 46. 46. 46. 47. 46. 48. 48. 48. 48. 48. 48. 48. 48
VITON: PTH: PITUDE KGITUU 4 5 6 7 1 1 1 4 4 5 6 7 4 4 4 4	W=54 73 M 21: 28 G 31 31 33 34 35 37 31 31 30 19 26 23	1 3 3 4 4 W 1 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1964 1967 1963 1963 1963 1963 1963 1963 1963 1963		15.6 -1.6 -24.1 5.3 78.8 29.7 -7.3 26.3 11.1 18.3	1 * 1	18. 21.5 23.9 28.6 28.6 29.1 27.7 26.3 23.3 21.1 18.2	18.4 18.5 2.5 28.5 27.7 25.6 27.3 26.7 21.1 18.1	9 20. . 7.9 18.2 11.9	1 19 19. 17. 17. 17.4 17.4	1 4 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56.3 0.7 1.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	st.,47 sc.51 sc.51 57 sc.49 3c.40 3c.61 k.63 3c.85 3c.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71	36 , 4 26 , 7 35 , 60 35 , 40 36 , 54 36 , 54 36 , 54 36 , 83 36 , 71 46 , 64 36 , 83	76 ; 44 36 ; 44 40 ; 53 36 ; 24 10 ; 0 ; 36 ; 63 36 ; 58 36 ; 58 36 ; 75 36 ; 82 36 ; 76 36 ; 49	46 36, 4 36, 5 36, 4 36, 4 36, 31 36, 5 36, 31 36, 6 36, 7 36, 7 36, 7	36. 36.43 36.43 36.43 36.43 36.43 36.74 36.77 36.62 50.00
PITON: PITUDE IGITUTE 4 5 6 7 1 1 1 4 5 6 7 1 1 4 5	W=64 71 M E: 28' 00 E: 340' 31 31 4 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 381 W 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1964 1967 1967 1963 1963 1963 1963 1963 1964 1964		16.6 24.1 6.3 8.6 28.8 29.7 26.3 23.3 11.1 18.3 18.2	1:1 1:4.1 26.2 28.6 28.7 27.3 26.3 21.1 18.3 18.2	18. 21. 23.9 25. 28.6 29.6 27.7 26.3 21.1 18.2 18.2	10.4 18. 2 5 27. 25.6 27.3 26 21. 18.1 19.4	9 20. . 7.9 18.2 11.9	1 19 19. 19. 17. 17. 17.4 11.1 17.5	1	56 , d 6, f 7 , 71 (1, 10) 26 , 46 36 , 59 36 , 59 36 , 76 36 , 84 46 , 76 36 , 75 36 , 75 36 , 75 36 , 75	60.47 60.51 50.57 70.71 10.49 30.49 30.61 30.61 30.71 30.71 30.75 30	36, 4 21, 11 35, 65 35, 41 36, 5 66, 43 36, 54 36, 54 36, 71 46, 64 46, 58	78. 44 36. 45 36. 53 36. 54 36. 75 36. 49 36. 75 36. 75 36. 82 36. 75 36. 62 36. 75	46. 46. 47. 48. 48. 48. 48. 48. 48. 48. 48. 48. 48	36. 36.43 36.43 36.44 36.44 36.44 36.44 36.71 36.62 00.00 36.11
ATION: PTH: PITUDE I 4 5 6 7 1 1 4 5 6 6 7 1 1 1 4 5 6	W=54 73 M 21: 28 G 31 31 33 34 35 37 31 31 30 19 26 23	1 3 3 4 4 W 1 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1964 1967 1963 1963 1963 1963 1963 1963 1963 1963		10.6 11.6 24.1 10.3 18.6 28.8 29.7 17.3 17.3 18.3 18.1 18.2 19.5 20.7	1+1 1 24.1 26.1 28.6 28.7 27.3 26.3 23.3 21.1 18.3 18.2 19.5 20.7	18. 21. 23.9 25. 28.6 29.1 27.7 26.3 23.3 21.1 18.2 19.5 20.6	18.4 18.2 2.5 28.5 27.6 27.3 26.1 23.5 21. 18.1 19.4	9 20. . 7.9 18.2 11.9	1 19 19. 19. 17. 17.4 17.4 17.5 16.3	1 4 1 1 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56.3 0.7 1.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	st.,47 sc.51 sc.51 57 sc.49 3c.40 3c.61 k.63 3c.85 3c.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71 sc.71	36 , 4 26 , 7 35 , 60 35 , 40 36 , 54 36 , 54 36 , 54 36 , 83 36 , 71 46 , 64 36 , 83	96. 94 36.49 36.24 10.63 36.28 86.63 36.58 36.75 36.82 36.49 86.62 36.49	46 36, 4 36, 5 36, 4 36, 4 36, 31 36, 5 36, 31 36, 6 36, 7 36, 7 36, 7	36. 36.43 30.43 30.43 40.34 36.43 36.43 36.43 36.74 36.81
PTH: PITUPE FITUPE A 5 5 6 7 7	W=84 71 M 51 28 M 61 28 M 61 34 31 3 5 26 17 31 4 7 11 30 19 26 23 18	1 1 1 1 1 1 1 2 3 3 4 5 6 6	196 (196 (196) 196 (196) 196 (196) 196 (196) 196 (196) 196 (196)		16.6 24.1 6.3 8.6 28.8 29.7 26.3 23.3 11.1 18.3 18.2	1:1 1:4.1 26.2 28.6 28.7 27.3 26.3 21.1 18.3 18.2	18. 21. 23.9 25. 28.6 29.6 27.7 26.3 21.1 18.2 18.2	18. 4 18. 5 2. 5 27. 6 27. 6 27. 6 27. 6 21. 18. 1 18. 1 19. 4 10. 23. 9 27. 6	9 20. 18.2 11.9 18.4 19.1 11.6	1 19 19, 1 1-, 5, 6, 1 17, 4 11, 1 17, 5 16, 5 17, 9 18, 6	4	56, 3 6, 7 7, 71 10, 10 10, 46 16, 59 16, 75 16, 75 16	60, 47 60, 51 90, 57 91, 71 10, 40 36, 46 36, 40 36, 11 10, 85 10, 71 10, 65 10, 65	36, 4 21, 73, 68 35, 40 35, 40 36, 5 36, 54 36, 54 36, 83 36, 74 36, 84 36, 83 36, 54 36, 54 36, 54 36, 54	36 , 44 36 , 44 36 , 53 36 , 54 36 , 65 36 , 63 36 , 68 36 , 62 36 , 62 36 , 49 36 , 49 36 , 45 36 , 45 36 36 , 45 36 , 45 36 , 45 36 , 45 36 , 45 36 , 45 36 36 , 45 36 36 36 36 36 36 36 36	46, 41, 42, 43, 44, 44, 44, 44, 44, 44, 44, 44, 44	36 . 6 . 36 . 7 . 36 . 7 . 36 3 . 36 . 4 . 3 . 36 . 4 . 3 . 36 . 4 . 36 7 . 36 . 6
ANTON: TUDO:	W=54 71 M 71 M 71 28 G 71 M 71 4 73 7 74 7 75 7 75 7 75 7 75 7 75 7 75 7 75	01' 01 38' W 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1964 1963 1963 1963 1963 1963 1963 1963 1964 1964 1964 1964 1964 1964		. t. 16.6 -1.6 -24 1.3 -28.6 -28.8 -29.7 -7.3 -26.3 -3.3 -3.3 -3.3 -3.3 -3.3 -3.3 -3.3 -	1: 1 1: 24.1 26.1 28.6 28.7 27.3 23.3 21.1 18.2 19.5 20.7 26.1 28.1	18. 21.5 23.9 25. 28.6 28.6 29.1 26.3 23.3 21.1 18.2 18.2 19.5 26.0 27.9 28.7	10.4 16.2 2.3 5.5 27.7 25.6 27.3 26.7 23.5 21. 18.1 19.4 19.4 19.7 23.9 27.8	9 20. 18.2 11.9 4.2 13.4 19.4 1.1.6 25.1	1 19 19. 19. 17. 2. 17.4 17.1 17.5 16.3 17.9 18.6 20.	1 4 1 6 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1	96.3 0.7 1.7 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	80.47 90.51 30.57 91.71 90.49 30.49 30.41 10.36 10.71 10.75 10	36, 4, 9, 12, 13, 14, 15, 16, 14, 14, 14, 14, 14, 14, 14, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16	36, 44 36, 44 36, 53 36, 54 36, 58 36, 58 36, 58 36, 58 36, 58 36, 62 36, 77 36, 62 36, 49 36, 49 46, 58 36, 49 47, 40 47, 40 47	(6) 40 36 , 4 36 , 5 9 36 , 4 1 36 , 5 1 36 , 6 9 36 , 7 7 36 , 7 7 36 , 7 7 36 , 5 4 (6) 10 4 6 , 5 1 (6) 5 1	36 : 6 : 6 : 36 : 6 : 36 : 6 : 36 : 31 : 42 : 42 : 42 : 42 : 45 : 43 : 45 : 43 : 45 : 45 : 45 : 45
ATION:	W=54 71 M 61 28 G 62 34 31 31 3 5 5 7 30 19 26 17 31 41 30 19 26 23 18 15 22 25 16 30	11 11 12 11	196 196		16.6 -1.6 -24 6.3 -8.8 -29.7 -7.3 -23.3 -11.1 -18.3 -18.3 -18.3 -19.5 -20.7 -26.1 -28.1 -28.1 -28.1 -28.1 -28.1	1 - 1 - 1 - 1 - 24 - 1 - 26 - 28 - 6 - 28 - 7 - 27 - 3 - 28 - 3 - 21 - 1 - 18 - 3 - 21 - 1 - 28 - 7 - 26 - 1 - 28 - 1 - 28 - 1 - 28 - 7 - 29 - 6	18. 21. 22. 28. 6 28. 6 29. 1 26. 3 21. 1 18. 2 19. 5 20. 6 26. 6 27. 9 28. 7 29. 4	10.4 16.2 5.5 28.7 27.6 27.3 20.5 21.1 18.1 19.4 19.4 19.4 23.9 27.6 28.4 29.4	9 26. 18.2 17.9 17.9 17.9 18.4 19.1 11.1 25.1	1 19 19, 1 14, 1 17, 5, 1 17, 4 17, 1 17, 5 16, 3 17, 9 18, 6 20, 1	4	56 , 3 (c. 7 , 71 (7 , 10] (6 , 46 (6 , 50) (6 , 50) (7 , 71 (7 , 10] (8 , 46) (8 , 60] (8 , 60] (6 , 75) (6 , 75) (6 , 75) (6 , 75) (6 , 75) (6 , 75) (7 , 71) (7 , 71) (8 , 60) (8 , 75) (9 , 75) (1 , 75) (1 , 75) (1 , 75) (1 , 75) (1 , 75) (2 , 75) (3 , 75) (4 , 75) (5 , 75) (6 , 75) (6 , 75) (7 , 75) (7 , 75) (8 , 75)	0 . 4 / 10 . 5 / 10 .	36, 4, 27, 37, 38, 41, 37, 37, 38, 41, 35, 40, 35, 40, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 61, 54, 36, 61, 54, 36, 61, 56, 56, 56, 56, 56, 56, 56, 56, 56, 56	56, 44 36, 44 56, 53 36, 24 30, 67 36, 183 36, 183 36, 183 36, 48 36, 48 36, 48 44, 67 44, 67 44, 67 46, 185 48, 1	(6) 3n, 4 3n, 59 3c, 17 3c, 41 3c, 51 3c, 51 3c, 69 3u, 77 3c, 77	36 , 6 , 6 , 36 , 70 , 30 , 42 , 43 , 44 , 44 , 46 , 34 , 46 , 70 , 36 , 62 , 90 , 90 , 86 , 54 , 36 , 54 , 36 , 62 , 36 , 60 , 54 , 36 , 60 , 54 , 36 , 60 , 56 , 56 , 56 , 60 , 60 , 60 , 6
ANTION:: PITTUP NGITUE 4 4 5 6 7 7 1 1 4 4 5 6 7 7 8 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	W=54 71 M	1 1 1 1 1 1 2 3 3 4 5 6 6 7 9 9	1964 1964 1964 1964 1963 1963 1963 1963 1963 1964 1964 1964 1964 1964		. t. 15.6 -1.6 24.1 5.3 88.6 28.8 29.7 -7.3 26.3 23.3 41.1 18.3 19.7 20.7 26.1 28.7 29.6 28.7	1 · 1 · 1 · 1 · 24 · 1 · 26 · 1 · 28 · 6 · 28 · 7 · 7 · 7 · 3 · 23 · 3 · 21 · 1 · 18 · 2 · 19 · 5 · 20 · 7 · 26 · 1 · 28 · 7 · 26 · 1 · 28 · 7 · 27 · 26 · 1 · 28 · 7 · 27 · 26 · 2 · 28 · 2 · 28 · 2 · 28 · 2 · 28 · 2 · 2	18. 21.5 25. 28.6 29.6 27.7 26.3 21.1 18.2 19.5 20.6 26.0 27.9 28.7 29.8	18. 4 18. 2 5. 5. 6 27. 3 27. 6 27. 3 21. 18. 1 19. 4 19. 4 19. 2 23. 9 7. 7. 8 28. 4 29. 4 29. 4	9 26	1 19 19, 19, 1 19, 1 17, 5 17, 4 17, 1 17, 5 16, 3 17, 9 18, 6 20, 1 23, 1	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56, 3 0, 1 10, 11 10, 11 10, 46 36, 50 10, 84 46, 75 16, 75 16, 75 16, 65 11, 10 16, 05 16, 05 16, 10 16, 10 1	36.,47 90.57 27.,33 30.,40 36.,46 36.,90 36.,11 36.,73	36, 4, 71, 72, 73, 74, 74, 75, 74, 75, 74, 75, 74, 75, 74, 75, 75, 75, 75, 75, 75, 75, 75, 75, 75	36.44 36.24 36.25 36.26 36.26 36.58 36.75 36.82 36.77 36.69 36.58 36.58 36.75 36.65 36.58 36.58	46, 41, 43, 44, 436, 44, 436, 44, 436, 44, 436, 47, 46, 47, 46, 47, 46, 47, 46, 47, 46, 47, 46, 47, 46, 47, 46, 47, 46, 47, 46, 47, 46, 47, 47, 48, 48, 47, 48, 48, 48, 48, 48, 48, 48, 48, 48, 48	36 . 6 . 6 . 76
AT LONG. PPTH: 11 TUDE 1	W=54 71 M 61 28 G 62 34 31 31 3 5 5 7 30 19 26 17 31 41 30 19 26 23 18 15 22 25 16 30	1 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1964 1964 1964 1964 1963 1963 1963 1963 1964 1964 1964 1964 1964 1964 1964		16.6 -1.6 -24 6.3 -8.8 -9.7 -7.3 -3.3 -3.3 -3.1 -1.1 -1.8 -3.3 -1.1 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2	1 * 1 1 26.0 28.7 79.7 79.7 29.3 21.1 18.3 18.2 20.7 26.1 28.1 28.1 28.1 29.6 28.2 25.4	18. 21. 42. 9 25. 28. 6 29. 4 28. 6 27. 7 29. 4 28. 7 29. 4 28. 7 29. 4 28. 1 25. 4	18. 4 18. 2 18. 7 28. 7 27. 6 27. 3 26. 7 23. 7 21. 18. 1 19. 4 19. 4 19. 7 23. 9 27. 6 27. 6 27. 6 27. 7 28. 7 27. 6 27. 7 28. 7 28	9 20 3 18 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 19 19, 1 14, 1 17, 5, 1 17, 4 17, 1 17, 5 16, 3 17, 9 18, 6 20, 1	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56 , 3 (c. 7 , 71 (7 , 10] (6 , 46 (6 , 50) (6 , 50) (7 , 71 (7 , 10] (8 , 46) (8 , 60] (8 , 60] (6 , 75) (6 , 75) (6 , 75) (6 , 75) (6 , 75) (6 , 75) (7 , 71) (7 , 71) (8 , 60) (8 , 75) (9 , 75) (1 , 75) (1 , 75) (1 , 75) (1 , 75) (1 , 75) (2 , 75) (3 , 75) (4 , 75) (5 , 75) (6 , 75) (6 , 75) (7 , 75) (7 , 75) (8 , 75)	0 . 4 / 10 . 5 / 10 .	36, 4, 27, 37, 38, 41, 37, 37, 38, 41, 35, 40, 35, 40, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 61, 54, 36, 61, 54, 36, 61, 56, 56, 56, 56, 56, 56, 56, 56, 56, 56	56, 44 36, 44 56, 53 36, 24 30, 67 36, 183 36, 183 36, 183 36, 48 36, 48 36, 48 44, 67 44, 67 44, 67 46, 185 48, 1	(6) 3n, 4 3n, 59 3c, 17 3c, 41 3c, 51 3c, 51 3c, 69 3u, 77 3c, 77	36 , 6 , 6 , 36 , 70 , 30 , 42 , 43 , 44 , 44 , 46 , 34 , 46 , 70 , 36 , 62 , 90 , 90 , 86 , 54 , 36 , 54 , 36 , 62 , 36 , 60 , 54 , 36 , 60 , 54 , 36 , 60 , 56 , 56 , 56 , 60 , 60 , 60 , 6
AT LONE: PTH: 1	W=44 71 M 11 28 G 31 3 3 4 3 5 5 26 27 31 31 5 4 11 30 19 26 23 18 15 22 25 16 30 28 28	1 1 1 1 1 1 2 3 4 5 5 6 7 9 9	1964 1964 1964 1964 1963 1963 1963 1963 1963 1964 1964 1964 1964 1964		18.6 1.6 24.1 1.3 28.6 29.7 17.3 23.3 11.1 18.3 18.2 19.5 20.7 26.1 28.7 29.6 29.7 26.1 28.7 29.6 29.7 20.7 26.1 28.7 29.7 29.6	1 · 1 · 1 · 1 · 24 · 1 · 26 · 1 · 28 · 6 · 28 · 7 · 7 · 7 · 3 · 23 · 3 · 21 · 1 · 18 · 2 · 19 · 5 · 20 · 7 · 26 · 1 · 28 · 7 · 26 · 1 · 28 · 7 · 27 · 26 · 1 · 28 · 7 · 27 · 26 · 2 · 28 · 2 · 28 · 2 · 28 · 2 · 28 · 2 · 2	18. 21.1 25. 28.6 29.1 26.3 23.3 23.1 118.2 118.2 26.8 26.0 27.9 28.7 29.4 28.1 25.4 23.4	18. 4 18. 2 5. 5. 6 27. 3 27. 6 27. 3 21. 18. 1 19. 4 19. 4 19. 2 23. 9 7. 7. 8 28. 4 29. 4 29. 4	9 26	1 19 19, 19, 1 17, 5 (11, 1 17, 5 16, 3 17, 9 18, 6 20, 1 20, 1 20, 1	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56, 3 6, 7 7, 71 0, 10 20, 45 36, 59 36, 76 36, 84 36, 84 36, 64 46, 65 44, 10 46, 65 44, 10 46, 59 36, 16 36, 59 36,	6 . 4 / 10. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 50 / 30.	36, 4 21, 7 36, (1 25, 40 35, 40 36, 54 36, 54 36, 74 36, 58 36, 71 36, 58 36, 61 34, 34 34, 15 36, 62 36, 63 36, 63 36, 63 36, 63 36, 63 36, 63	36., 44 36., 53 36., 24 36., 24 36., 63 36., 63 36., 75 36., 62 36., 75 36., 62 36., 45 36., 45 36., 45 36., 45 36., 45 36., 63 36., 63 36., 63 36., 63 36., 63	(6) 4a 4 3a 6a	36 , 6 , 6 , 7 , 7 , 7 , 7 , 7 , 7 , 7 ,
A1 LONE: PTH: 4	W-44 71 M 21: 28 of 40 21: 44 31 31 326 31 31 30 19 26 23 18 15 22 25 16 30 28 27 16	1	196 196		18.6 -1.6 -24 1.3 -8.8 -29.7 -7.3 -23.3 -11.1 -18.3 -18.3 -19.5 -20.7 -26.1 -28.1	1:1 1:26.2 18.6 28.7 29.7 7.3 26.3 23.3 21.1 18.3 21.5 20.7 26.1 28.1 28.1 28.2 22.4 24.4 21.7	18. 21. 22. 25. 28. 6 29. 1 26. 3 23. 3 21. 1 18. 2 19. 5 20. 6 26. 0 27. 9 28. 7 29. 4 28. 1 22. 4 23. 4 21. 7 22. 1	10.4 10.2 21. 27. 25.6 27.3 26 23.5 21. 18.1 19.4 10 23.9 27.6 28.4 29.2 28.1 23.7 23.7 23.7 23.7 23.7 23.7 23.7 23.7	20.1 18.2 11.2 11.4 10.1 11.4 10.1 25.1 24.4 0.0 1.2 1.3 1.7	19 19 19, 19, 17, 18, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	4	56 , 3 (a. 7 , 71 (b. 16 , 50) (b. 36) (b. 36) (b. 36) (b. 36) (b. 36) (b. 36) (b. 46) (6 . 4 / 10. 51 / 10.	36, 4, 27, 17, 18, 17, 17, 18, 17, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	66, 44 36, 44 56, 53 36, 24 10, 07 36, 124 36, 183 36, 183 36, 185 36, 45 36, 45 36	(6) 36, 4 36, 59 36, 41 36, 41 36, 51 36, 69 36, 77 36, 77 36, 77 36, 77 36, 77 36, 77 36, 51 (6) 66 51 (6) 65 36, 67 36, 67 36, 67 36, 67 36, 67 36, 67 36, 67	36 . 6 . 6 . 7 . 36 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6 .
AT LONE PTH: 1 4 4 5 6 6 7 7 11 11 11 14 14 15 16 17 18 18 19 19 10 11 12 22 26 26 26 26 26 26 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	W=54 71 M 71 M 61 28 St 60 61 7 34 31 4 5 7 7 31 30 19 26 23 18 15 22 5 16 30 28 28 28 27 16 7 26 7 26	1	196 196		. 1. 16.6 -1.6 243 -8.6 -28.8 -29.7 -7.3 -23.3 -11.1 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.3 -18.6 -28.8 -29.7 -26.1 -28.7 -29.6 -29.7 -29.6 -29.7 -29.	1 * 1	18. 21.1 25. 28.6 29.1 27.1 3 24.3 21.1 18.2 19.5 20.6 26.0 27.9 28.7 29.4 28.1 25.4 23.4 21.7 22.1 19.5	18. 4 18. 2 27. 25. 6 27. 25. 6 27. 25. 6 21. 18. 1 19. 4 19. 23. 9 27. 6 28. 4 29. 1 25. 3 27. 7 28. 4 29. 1 29.	20. 20. 18.2 11.0 4.2 11.0 25.1 24.4 20.7 27.4 27.3 1.7 21.9	19 19 19, 14, 17, 17, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56, 3 0, 1 20, 1 20, 10 20, 46 36, 59 36, 50 36, 50 46, 65 47, 10 46, 65 41, 10 46, 65 41, 10 46, 65 41, 10 46, 56 46, 65 47, 10 48, 10 48	60, 47 60, 51 80, 57 71, 71 80, 48 80, 40 30, 11 80, 65 80, 77 80, 80 80, 77 80, 80 80, 80	36, 4, 31, 31, 32, 33, 34, 35, 41, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 54, 36, 61, 34, 34, 34, 36, 61, 34, 34, 36, 61, 36, 36, 61, 36, 36, 36, 36, 36, 36, 36, 36, 36, 36	36, 44 36, 44 36, 53 36, 24 36, 25 36, 163 36, 58 36, 58 36, 62 36, 49 36, 49 36, 49 36, 45 36, 45 3	(6) 41 36, 44 36, 44 36, 44 36, 41 36, 41 36, 47 36, 77 36, 70 36, 56 46, 66 36, 65 36, 65 36, 65 36, 65 36, 68 36, 68 36, 68 36, 68 36, 68 36, 68	36 . 6 . 6 . 7 . 43 . 6 . 43 . 6 . 44 . 45 . 46 . 44 . 46 . 44 . 46 . 44 . 46 . 4
1 4 5 6 6 7 4 10 11 11 11 11 11 11 11 11 11 11 11 11	W-54 71 M 11 28 0 12 28 0 13 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	01 S 38 W 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1964 1964 1964 1964 1964 1964 1964 1964		16.6 -1.6 -24.1 -24.3 -28.8 -29.7 -7.3 -3.3 -11.1 -18.3 -19.5 -20.7 -26.1 -28.1 -28.1 -29.6 -28.2 -25.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.6 -23.4 -23.6 -23.	1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	18. 21.7 28.6 29.1 26.3 21.1 18.2 19.5 26.0 27.9 28.4 28.4 23.4 23.4 23.4 23.4 23.4 23.4 21.7 22.1 19.5	10.4 15.2 27.3 27.3 27.3 26.3 23.3 21.1 18.1 19.4 19.4 19.4 23.9 27.6 28.1 23.9 27.6 28.1 23.7 28.1 28.1 27.1 28.1 28.1 28.1 27.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28	20.1 18.2 17.9 18.4 19.1 24.4 19.1 24.4 10.7 27.4 1.7 1.7 1.19	19 19 19, 19, 11, 15, 16, 16, 17, 14 17, 14 17, 15, 16, 16, 17, 18, 16 20, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17	1 4 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56 , 4 6, 7 7 , 1 6, 8 7 , 1 6, 10 10 , 80 10 , 80 10 , 76 10 , 80 10 , 76 10 , 80 10 , 76 10 , 80 11 , 90 10 , 76 11 , 10 11 , 70 12 , 70 13 , 80 14 , 10 15 , 70 16 , 80 16 , 80	0.47 0.51 0.57 1.37 0.49 36,40 36,41 16,63 40,45 36,71 60,7 36,59 36,59 36,59 36,50 36,50 36,7 36	36, 4 21, 7 36, 11 35, 40 35, 40 36, 54 36, 54 36, 74 36, 83 36, 71 36, 64 36, 61 34, 34 36, 15 36, 62 36, 63 37, 86 36, 63 37, 86 36, 87 37, 88 36, 88 37, 88 38,	36., 44 36., 53 36., 24 36., 24 36., 163 36., 175 36., 82 36., 75 36., 62 36., 45 36.,	(6) 4a 4 3a 5b	36 . 6 . 6 . 7 . 36 . 36
ATTONE 1	W-54 71 M	1	196 196		18.6 24.1 4.3 28.6 29.7 26.3 26.3 33.3 41.1 18.3 18.2 19.5 20.7 26.1 28.1 28.7 29.6 28.1 22.4 21.7 22.1 21.7 22.1 22.4 21.7 22.1	1:1 1:4.1 26.2 28.6 28.7 27.3 23.3 21.1 18.3 18.2 20.7 28.1 28.1 28.1 28.2 25.4 21.7 19.6 21.7 22.6 23.4 21.7 22.7 22.7 22.7 23.4 21.7 21.7 22.7 25.4 26.7 27.7 28.7 28.7 28.7 28.7 28.7 28.7 28	18. 21.1 25. 28.6 29.1 27.7 26.3 21.1 18.2 19.5 20.6 27.9 28.7 29.4 28.1 25.4 22.7 19.4 17.7 22.4	18.4 16.27.7 27.7 25.6 27.7 25.6 27.8 21.1 18.1 19.4 10 23.9 24.7 28.4 29.2 28.1 25.3 27.6 28.4 29.2 21.7 27.6 28.4 29.2 29.3 29.3 29.3 29.3 29.3 29.3 29.3	26. 26. 18.79 18.79 11.79 12.41 19.41 24.44 20.7 27.44 27.44 11.7 11.7 11.7 11.7 11.7	19 19 19 19 19 15 15 16 17 17 17 17 18 16 20 20 20 20 11 20 11 20 11 21 21 21 21 21 21 21 21 21 21 21 21	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56 , d 6, f 7 , 7 1 20 , d 20 , 46 30 , 59 30 , 59 30 , 59 30 , 60 30 , 60 30 , 60 30 , 60 30 , 60 30 , 60 30 , 60 31 , 60 31 , 60 32 , 60 33 , 60 34 , 60 35 , 60 36 , 60 36 , 60 36 , 60 36 , 60 37 , 60 38 , 60	6 . 4 . 6 . 5 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6	36, 4, 27, 18, 11, 18, 18, 18, 18, 18, 18, 18, 18	36, 44 36, 44 36, 53 36, 24 36, 24 36, 163 36, 163 36, 163 36, 163 36, 49 36, 40 36, 40 36, 40 36, 40 36, 40 36, 40 36, 4	(6) 41 36, 44 36, 31 36, 44 36, 31 36, 47 36, 77 36, 77 36, 77 36, 77 36, 77 36, 77 36, 51 (6), 60, 51	36, 6, 6, 7, 18, 143, 19, 143, 19, 143, 19, 143, 19, 143, 19, 143, 19, 144, 144
ATIONS: PPTH: 1	W-54 71 M 11 28 0 12 28 0 13 1 3 1 3 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 3 1 4 1 3 1 4 1 3 1 4 1 3 1 4 1 3 1 4 1 3 1 4 1 4 1 3 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4	01 S 38 W 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1964 1964 1964 1964 1964 1964 1964 1964		16.6 -1.6 -24.1 -24.3 -28.8 -29.7 -7.3 -3.3 -11.1 -18.3 -19.5 -20.7 -26.1 -28.1 -28.1 -29.6 -28.2 -25.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.4 -23.6 -23.4 -23.6 -23.	1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	18. 21.7 28.6 29.1 26.3 21.1 18.2 19.5 26.0 27.9 28.4 28.4 23.4 23.4 23.4 23.4 23.4 23.4 21.7 22.1 19.5	10.4 15.2 27.3 27.3 27.3 26.3 23.3 21.1 18.1 19.4 19.4 19.4 23.9 27.6 28.1 23.9 27.6 28.1 23.7 28.1 28.1 27.1 28.1 28.1 28.1 27.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1 28	20.1 18.2 17.9 18.4 19.1 24.4 19.1 24.4 10.7 27.4 1.7 1.7 1.19	19 19 19, 19, 11, 15, 16, 16, 17, 14 17, 14 17, 15, 16, 16, 17, 18, 16 20, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17	1 4 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	56 , 4 6, 7 7 , 1 6, 8 7 , 1 6, 10 10 , 80 10 , 80 10 , 76 10 , 80 10 , 76 10 , 80 10 , 76 10 , 80 11 , 90 10 , 76 11 , 10 11 , 70 12 , 70 13 , 80 14 , 10 15 , 70 16 , 80 16 , 80	0.47 0.51 0.57 1.37 0.49 36,40 36,41 16,63 40,45 36,71 60,7 36,59 36,59 36,59 36,50 36,50 36,7 36	36, 4 21, 7 36, 11 35, 40 35, 40 36, 54 36, 54 36, 74 36, 83 36, 71 36, 64 36, 61 34, 34 36, 15 36, 62 36, 63 37, 86 36, 63 37, 86 36, 87 37, 88 36, 88 37, 88 38,	36., 44 36., 53 36., 24 36., 24 36., 163 36., 175 36., 82 36., 75 36., 62 36., 45 36.,	(6) 4a 4 3a 5b	36 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6 . 6 .
ATION: PTH: TITUDE NGITUU	W-44 71 M 21 28 0 26 17 34 31 4 5 5 17 31 4 1 30 19 26 17 31 28 27 18 15 22 25 16 30 28 27 16 7 26 21 28 28 27 26 21 27 28 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 28 27 29 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 27 20 28 28 28 28 28 28 28 28 28 28 28 28 28	01 0 3 381 W 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	196 (196 (196 (196 (196 (196 (196 (196 (16.6 16.6 24.1 16.3 18.6 19.7 26.3 26.3 23.3 11.1 18.3 11.1 28.1 28.7 26.1 28.7 29.6 23.4 21.7 22.1 14.3 25.4 23.4 21.7 22.1	1 - 1 1 1 26.5 24.1 26.5 28.7 27.3 21.1 18.3 21.1 18.3 21.1 28.1 28.1 28.1 28.1 28.1 28.1 28.1	18. 18. 21. 19. 28. 6 28. 6 29. 1 28. 6 29. 1 28. 3 21. 1 188. 2 19. 5 26. 0 27. 7 29. 4 23. 4 23. 4 23. 4 21. 7 22. 1 19. 4 23. 4 21. 7 22. 1 19. 4 23. 4 22. 1 19. 4 23. 4 22. 1 19. 4 23. 4 22. 1 19. 4 23. 4 22. 1 19. 4 23. 4 22. 1 19. 4 23. 4 22. 1 19. 4 23. 4 2	18.14 18.25.16 27.17 25.16 27.17 25.16 21.18.11 19.14 19.14 19.17 23.19 27.14 29.14 29.14 29.17 21.77 22.17 19.14 29.17	20. 20. 10. 11. 11. 11. 11. 12. 12. 12. 13. 13. 14. 15. 16. 17. 17. 17. 17. 17. 17. 17. 17	19 19 19, 19, 11, 12, 13, 14, 15, 17, 14, 17, 15, 16, 3, 17, 16, 3, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17	1	06.01 0* 10* 171 1010 1046 1050 1050 1076 1076 1076 1110 11	6 . 4 / 10. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 51 / 30. 50 / 30. 50 / 30. 51 / 30. 50 / 30.	36, 4, 21, 11, 12, 12, 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14	76. 14 76. 54 76. 55 76. 24 76. 55 76. 24 76. 49 76. 85 76. 82 76. 82 76. 82 76. 83 76. 83 76. 83 76. 83 76. 84 76. 84 76. 84 76. 84 76. 84 76. 84 76. 84 76. 84 76. 86 76. 86	(6) 43 (6) 47 (7) 48 (7	36, 6, 6, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,

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ulse	Cav	Month	Jet a F			Te	Depth					-			epth (M)			
						. 1	24	43	70	107	8		3	11	24	43	70	107
	11	1	1963	. 3		19.8	19.6	19.1	19.		1.1	36.40	36.42	36.51	36.49	36.41	36.52	36.5
			1963	9.7	1 +, T	19.6	19.5	18.4	18.3	17.1	17.1	36.65	36.57	36.62	36.53	36.56	36.57	36.5
		4	1.01.3	1.7	1.6	21.4	19.8	19:	18.7	17.5	17.3	3F.50	36.44	36.61	36.49	36.54	36.52	36.4
4		5	1963	24.1	24.1	24.)	23.4	20.9	19.3	18.8	18.8	35.47	35.34	35.45	35.44	36.41	36.58	36.
			1963	26.8	26.4	26.3	26.1	23.6	20.9	20.2	19.9	33.50	35.58	36.00	36.33	36.53	36.51	36.5
	F		1963	28.9	28.8	28.7	28.4	.4.5	20.9	18.8	18.7	36.88	36.48	36.58	36.54	36.41	36.49	36.4
	16		1963	29.1	29.1	28.8	28.7	15.9	18.4	17.8	17.8	36.53	36.36	36.51	36.52	36.47	36.40	36.
	31	8	1963	29.9	29.8	29.7	25.6	21.7	18.6	16.9	16.9	36.43	36.39	36.42	36.45	36.41	36.28	36.
,		1	1463	20.8	.6.8	26.7	26.7	.b.6	.2.1	17.6	17.6	36.50	36.48	36.38	36.39	36.41	36.49	36.
1		1	1963	26.3	26.2	26.2	26.1	Ib.1	43.4	19.4	17.9	36.79	36.62	36.71	36.75	36.67	36.63	36.
11			1963	23.5	23.5	23.5	23.4	.3.4		19.2	19.1	36.83	36.73	36.78	36.79	36.75	36.72	36.
1.	1)		1363	21.6	21.5	21.4	21.3	.1.3	.1 .	3	17.1	36.70	36.70	36.55	36.71	36.78	36.69	36.
1.3	. +	1	1964	19.4	19.4	19.4	19.3	19.3	19.	17.8	17.6	36.66	36.62	36.66	36.67	36.62	36.62	36.
14	21	2	1964	18.6	18.6	18.6	18.6	18.5	17 9	17.4	17.4	36.74	36.63	36.65	36.65	36.61	36.70	00.
15	18	2	1964	20.3		19.8	19.4	19.1	18.9	17.8	17.7	36.72	36.68	36.59	36.65	36.64	36.56	36.
16	15	4	1964	20.8	20.8	20.7	2 .4	7	18.8	17.1	.0	36.68	36.65	36.66	36.65	36.74	36.69	36.
17	- 2	5	1964	.5.8	25.7	25.7	23.9	1+.7	18.3	17.6	16.8	25.72	34.60	34.74	36.28	36.26	36.41	36.
18	25	6	1964	.8.3	28.3	28.3	27.1	_1.8	19.1	18	17.4	33.51	33.47	32.91	35.77	36.47	36.49	36.
19	16		1 164	.8.6	28.6	28.6	28.3	. 5.6		17.4	16.5	36.39	36.38	36.36	36.39	36.71	36.57	36
		H	1964	.9.5	29.5	29.5	29.3	26.0	. 11.8	18 3	17.9	36.F4	36.61	36.63	36.63	36.74	36.63	36.
	20	-4	1964	28.7	18.8	28.7	48.7	. 8.	19.	19.1	18.9	36.18	36.34	36.62	36.64	36.78	36.60	36.
	29		1964	:5.7	15.7	25.7	15.7	5.0	.1.	13.1	18.8	36.82	36.81	3e.80	36.91	36.88	36.57	36.
	27	11	1964	.3.5	23.5	23.5	23.4	23.4	. 3	18.6	18.3	36.74	36.71	36.72	36.76	36.80	36.77	36.
4	16	12	1964	21.8	11.8	21.8	.1.8	.1.8	.1.8	18.8	18.7	36.82	36.66	36.75	36.67	30.08	30.66	36.
	7	1	1965	22	.2.2	22.2	22.1	21.3	.1.5	11.1	20.8	36.81	36.78	36.80	36.81	36.78	36.76	36.
_r	27	_	1965	19.6	19.7	19.7	19.6	13.3	19	18.3	17.8	36,76	36.72	36.79	36.69	56.71	36.73	36
-	21		1965	19.8	19.8	19.8	19.7	19.7	19. 1	16.9	16.9	36.83	36.60	36.67	36.68	36.70	36.67	36
	2.3	4	1965	23.3	23.3	23.1	24.5	21.1	18.2	17.4	17.4	36.68	36.47	36.68	3+ .66	3€.78	36.43	36
143	1	6	1965	2e.8	26.8	26.7	24.9	.11.1	18.9	18.8	18.8	35.49	35.52	35.46	36.38	36.65	36.59	36
	12	6	1965	25.6	24.9	22.2	20.3	18.5	17.3	17.2	17.1	35.00	35.05	35.33	31.57	36.24	34.8.	36.
	11	8	1965	26.6	26.6	25.3	21.9	13.4	1".4	16."	16.7	35.49	36.03	36.67	35.73	36,52	36.60	36.
	9	1.	1965	.3.5	23.5	23.5	.3.5	. 3.		19.8	19.6		11.01					

Table 8. Monthly temperature and salinity tablervations at stations in transect 8, 1963-1965

ration: W-56 PEPTH: / M Latitude: 28°23' N LONGITUDE: 96°20' W

								emperat		1)						inity (c Oepth (F			
J156	Day	Month	Year		0	3	11	Depth 24	(M)	70	107	8	0	3	11	24	43	70	10
	8	3	1963	1	3.9	13.8						13.1	31.72	31.92					
	7	4	1963	2	0.8	20.8						20.2	30.38	30.40					
4	3	5	1963	2	4.5	24.5						24.5	25.61	25.61					
	2.2	5	1963	2	6.4	26.2						26.0	34.87	34.94					
6	27	6	1963	2	8.7	28.7						28.3	35.70	35.67					
-	16	7	1963	2	9.2	29.2						24.7	36.80	36.71					
8	28	8	1963		0.2	30.2						30.2	36.88	36.87					
9	5	10	1963		25.8	25.8						25.7	30.17	30.17					
10	4	11	1963		23.0	23.0						22.9	33.84	33.78					
11	1	12	1963		6.7	16.7						18.8	32.74	32.79					
12	20	12	1963		1.1	11.1						10.8	31.81	31.80					
13	30	1	1964		2.2	12.9						11.9	32.29	32.42					
14	19	2	1964		3.4	13.4						13.4	35.44	35.46					
15	21	3	1964		6.1	16.0						15.5	33.37	33,32					
16	18	4	1964		21.0	21.0						21.1	27.12	27.21					
17	25	5	1964		26.7	26.2						25.0	00.00	00.00					
18	27	6	1964		29.2	29.1						28.6	33.57	33.49					
19	19	7	1964		28.6	28.6						28.5	34.53	34.44					
20	1	9	1964		29.3	29.3						29.0	36,85	36.83					
21	25	9	1964		28.3	28.3						28.3	33.35	33.21					
22	31	10	1964		22.7	22.7						22.7	32,83	32.76					
23	36	11	1964		7.7	17.7						17.7	31.73	31.68					
24		12	1964		13.9	13.9						13.9	31.12	31.09					
	18		1965		15.7	15.7						15.7	30.56	30.52					
25		1	1965		15.9	15.9						15.8	34.53	34.52					
26	1	3	1965		16.5	16.4						15.7	31.10	31.17					
4 7	25											23.2	30.81	31.00					
28	26	4	1965		24.4	24.2						27.1	20.15	20.71					
. 9	29	5	1965	2	26.8	27.0						26.8	26.21	27.33					
5.3	14	6	1965		30.0	29.3						28.6	34.78	34.74					
12	14	8	1965		29.3	29.2						29.2	00.00	00.00					
13	12	9	1965		29.3	29.2							28.93	29.36					
15	12	12	1965	1	19.1	19.2						19.5	20.93	29, 10					

STATION: W-13 DEPTH: 14 M LATITUDE: 28⁰19' N LONGITUDE: 96⁰21' W

0	0	Maria	W			T		ure (°	C)				-		inity (
Cruise	Oay	Month	Year	0	3	11	Depth 24	(M)	70	107	8	0	3	11	Depth (M)	70	
	-		1067	1 10 1	14.1						12.0		20.02	71 75				
2	8 7	3 4	1963 1963	14.1	14.1	12.8					12.8	00.ui	32.92	31.75				
4	3	5	1963	24.7	24.7	24.7					24.7	25.85	25.88	25.91				
5	22	5	1963	26.2	26.1	23.4					23.1	35.52	35.42	35.72				
7	16	7	1963	29.2	29.2	25.0					24.3	36.67	00.00	00.00				
8	28	8	1963	30.3	3D.3	30.3					30.3	37.03	36,93	36.92				
9	5	10	1963	25.9	25.8	26.0					26.3	30.63	30.57	31.71				
10	4	11	1963	23.4	23.4	23.3					23.3	33.97	33,94	33.72				
11	1 20	12 12	1963 1963	13.3	13.3	13.3					19.3	32.61 33.06	32.47	34.05 33.50				
13	30	1	1964	11.1	11.0	10.9					10.9	32.88	32.84	32.82				
14	19	2	1964	13.8	13.8	13.0					13.8	35.73	35.67	35.69				
15	21	3	1964	16.2	16.0	15.6					15.6	32.88	32.89	32.94				
16	18	4	1964	20.8	20.5	19.9					19.1	27.34	27.81	30.92				
17	25	5	1964	00.0	00.0	00.0					0.00	27.17	28.94	31.89				
18	27	6	1964	28.9	28.8	27.9					17.9	33.83	33.80	33.85				
19 20	19	7	1964	28.2	28.2	28.1					18.1	35.59 36.78	35.62 36.77	35.58 3€.73				
21	25	9	1964	28.4	28.3	28.3					28.3	33.28	33.26	33.29				
22	31	10	1964	22.6	22.6	22.6					22.6	32.85	32.82	32.81				
23	26	11	1964	10.5	18.5	18.8					20.4	32.05	32.16	32.40				
24	18	12	1964	14.4	14.4	14.4					14.4	31.71	31.73	31.77				
25	10	1	1965	15.6	15.€	15.6					15.7	30.53	30,48	30.81				
26	1	3	1965	16.2	16.2	16.2					16.3	34.19	34.56	00.00				
27	24	3	1965 1965	16.7	16.5	15.6					15.6	31.78 30.98	31.87 30.97	32.25				
28 29	25 29	4 5	1965	27.0	27.0	26.3					25.5	22.32	22.40	29.40				
30	14	6	1965	30.6	28.0	25.1					25.1	28.08	29.19	33.88				
32	14	8	1965	29.2	29.1	28.9					28.8	34.82	34.86	35.10				
33	12	9	1965	29.2	29.2	29.2					29.1	00.00	00.00	00.00				
35	12	1.2	1005	10.0	10.0	20.2							30.44	32.74				
		12	1965	19.0	19.0	40+2					20.3	28.73	30.44	32.74				
STATION: DEPTH: LATITUDE	W-14 28 M 2: 28 ⁰ 0		1965	19.0	19.0	&U * Z					20.3	28.73	30.44	32.79				
STATION: DEPTH: LATITUDE	28 M 2: 28 O E: 96	7' N 13*30" W					14.7								35,80			
STATION: DEPTH: LATITUDE LONGITUDE	28 M 2: 28 O 0E: 96 O	7' N 13'30" W	1963	15.6	14.2	14.1	14.7				15.1		35.70	35.56	35.80 36.27			
STATION: DEPTH: LATITUDE	28 M 2: 28 O E: 96	7' N 13*30" W	1963 1963				14.7 19.7 23.6								36.27 34.67			
STATION: DEPTH: LATITUDE LONGITUDE 2	W-14 28 M 2: 28°0 E: 96°	7' N 13'30" W 3 4	1963	15.6 19.5 23.6 26.0	14.2	14.1	19.7				15.1 19.8 23.5 20.2	00.00 33.64 33.75 35.15	35.70 33.81 33.84 35.10	35.56 35.13 33.82 35.47	36.27 34.67 36.07			
ETATION: DEPTH: LATITUDE LONGITUDE 3 4 5 6	8 4 2 21 27	7' N 13'30" W 3 4 5 5 6	1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8	14.2 19.5 23.6 26.0 27.7	14.1 19.2 23.6 25.4 27.7	19.7 23.6 22.2 24.7				15.1 19.8 23.5 20.2 24.7	00.00 33.64 33.75 35.15 36.38	35.70 33.81 33.84 35.10 36.38	35.56 35.13 33.82 35.47 36.40	36.27 34.67 36.07 36.32			
ETATION: DEPTH: LATITUDE LONGITUDE 3 4 5 6 7	28 M 22 M 22 28 0 30 E: 96 0 8 4 2 21 27 16	7' N 13'30" W 3 4 5 5 6 7	1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8	14.2 19.5 23.6 26.0 27.7 27.7	14.1 19.2 23.6 25.4 27.7 27.7	19.7 23.6 22.2 24.7 23.9				15.1 19.8 23.5 20.2 24.7 21.7	00.00 33.64 33.75 35.15 36.38 36.44	35.70 33.81 33.84 35.10 36.38 36.45	35.56 35.13 33.82 35.47 36.40 36.54	36.27 34.67 36.07 36.32 36.41			
ETATION: DEPTH: LATITUDE LONGITUDE 3 4 5 6 7 8	W-14 28 M 2: 28 0 0:: 96 8 4 2 21 27 16 30	7' N 13'30" W 3 4 5 5 6 7 8	1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3	14.2 19.5 23.6 26.0 27.7 27.7 29.3	14.1 19.2 23.6 25.4 27.7 27.7 29.3	19.7 23.6 22.2 24.7 23.9 23.9				15.1 19.8 23.5 20.2 24.7 21.7 22.3	00.00 33.64 33.75 35.15 36.38 36.44 37.04	35.70 33.81 33.84 35.10 36.38 36.45 36.68	35.56 35.13 33.82 35.47 36.40 36.54 36.66	36.27 34.67 36.07 36.32 36.41 36.61			
STATION: DEPTH: LATITUDE LONGITUDE 2 3 4 5 6 7 6 7	W-14 28 M C: 28 0 DE: 96 8 4 2 21 27 16 30 3	7' N 13'30" W 3 4 5 5 6 7 8	1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5	14.1 19.2 23.6 25.4 27.7 27.7 29.3 27.5	19.7 23.6 22.2 24.7 23.9 23.9 27.5				15.1 19.8 23.5 20.2 24.7 21.7 22.3 27.5	00.00 33.64 33.75 35.15 36.38 36.44 37.04	35.70 33.81 33.84 35.10 36.38 36.45 36.68 36.04	35.56 35.13 33.82 35.47 36.40 36.54 36.66 36.24	36.27 34.67 36.07 36.32 36.41 36.61 36.40			
STATION: DEPTH: LATITUDE LONGITUDE 2 3 4 5 6 7 6 9	W-14 28 M 2: 28 0 0:: 96 8 4 2 21 27 16 30	7' N 13'30" W 3 4 5 5 6 7 8 10	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 25.6	14.1 19.2 23.6 25.4 27.7 27.7 29.3	19.7 23.6 22.2 24.7 23.9 23.9				15.1 19.8 23.5 20.2 24.7 21.7 22.3	00.00 33.64 33.75 35.15 36.38 36.44 37.04	35.70 33.81 33.84 35.10 36.38 36.45 36.68	35.56 35.13 33.82 35.47 36.40 36.54 36.66	36.27 34.67 36.07 36.32 36.41 36.61			
STATION: DEPTH: LATITUDE LONGITUDE 2 3 4 5 6 7 6 9	8 4 2 21 27 16 30 3 1	7' N 13'30" W 3 4 5 5 6 7 8	1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5	14.1 19.2 23.6 25.4 27.7 27.7 29.3 27.5 25.6	19.7 23.6 22.2 24.7 23.9 23.9 27.5 25.6				15.1 19.8 23.5 20.2 24.7 22.3 27.5 25.5 20.3 17.9	00.00 33.64 33.75 36.38 36.44 37.04 36.11 36.44 35.54	35.70 33.81 33.84 35.10 36.85 36.68 36.04 36.04 36.55 36.69	35.56 35.13 33.82 35.47 36.40 36.54 36.66 36.24 36.37 35.94 36.71	36.27 34.67 36.07 36.32 36.41 36.61 36.40 36.32 36.14 36.78			
STATION: DEPTH: LATITUOE LONGITUE 2 3 4 5 6 7 8 9 10 11 12 13	W-14 28 M 2: 28 0 2: 28 0 E: 96 8 4 2 21 27 16 30 3 1 1 20 28	7' N 13'30" W 3 4 5 5 6 7 8 8 10 11 12 12	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 29.3 27.5 25.6 19.4 18.6	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 25.6 19.4 18.6 17.4	14.1 19.2 23.6 25.4 27.7 27.7 29.3 27.5 25.6 19.6 18.6 17.4	19.7 23.6 22.2 24.7 23.9 23.9 27.5 25.6 20.4 18.2 17.3				15.1 19.8 23.5 20.2 24.7 21.7 22.3 27.5 25.5 20.3 17.9	00.00 33.64 33.75 35.15 36.38 36.44 37.04 36.11 36.44 35.59 36.69	35.70 33.81 33.84 35.10 36.38 36.45 36.63 36.04 36.32 35.05 36.69	35.56 35.13 33.82 35.47 36.40 36.54 36.66 36.24 36.37 35.94 36.71 36.59	36.27 34.67 36.07 36.32 36.41 36.61 36.40 36.32 36.14 36.78			
STATION: DEPTH: LATITUDE LONGITUD 2 3 4 5 6 7 6 9 10 11 12 13 14	W-14 28 M 2: 28 0 E: 96 8 4 2 21 27 16 30 3 1 1 20 28	7' N 13'30" W 3 4 5 5 6 7 8 10 11 12 12 12 12	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6 19.4 18.6 17.4 16.1	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 25.6 19.4 18.6 17.4 16.1	14.1 19.2 23.6 25.4 27.7 27.7 29.3 27.5 25.6 19.6 18.6 17.4	19.7 23.6 22.2 24.7 23.9 23.9 27.5 25.6 20.4 18.2 17.3 15.9				15.1 19.8 23.5 20.2 24.7 21.7 22.3 27.5 25.5 20.3 17.9 15.9	00.00 33.64 13.75 35.15 36.38 37.04 36.11 36.44 35.54 36.79 36.67 36.79	35.70 33.81 33.84 35.10 36.38 36.45 36.68 36.32 35.65 36.63 36.32	35.56 35.13 33.82 35.47 36.40 36.54 36.66 36.27 35.94 36.71 36.71	36.27 34.67 36.07 36.32 36.41 36.61 36.40 36.32 36.14 36.78 36.62			
DEPTH: LATITUDE LONGITUD 2 3 4 5 6 7 6 9 10 11 12 13 14	W-14 28 M 2: 28 0 E: 96 8 4 2 21 16 30 3 1 1 20 28 19 22	7' N 13'30" W 3 4 5 5 6 7 8 10 11 12 1 2	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6 19.4 18.6 17.4 16.1	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 5.6 19.4 18.6 17.4 16.1	14.1 19.2 23.6 25.4 27.7 29.3 27.5 25.6 19.6 17.4 16.0 16.8	19.7 23.6 22.2 24.7 23.9 27.5 25.6 20.4 18.2 17.3 15.9 16.8				15.1 19.8 23.5 20.2 24.7 21.7 22.3 27.5 25.5 26.3 17.9 15.9 15.9 16.8	00.00 33.64 33.75 35.15 36.38 36.44 37.01 36.44 35.59 36.69 36.79 36.69	35.70 33.81 33.84 35.10 36.38 36.45 36.65 36.69 36.69 36.63 36.78	35.56 35.13 33.82 35.47 36.54 36.66 36.24 36.71 36.99 36.70 36.20	36.27 34.67 36.07 36.32 36.41 36.61 36.32 36.14 36.78 36.62 36.65 36.29			
STATION: DEPTH: LATITUDE LONGITUD 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	W-14 28 M 2: 28 0 2: 28 0 2: 96 8 4 2: 21 27 16 30 3 1 1 20 28 19 22 16	7' N 13'30" W 3 4 5 5 6 7 8 10 11 12 12 12	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 25.6 19.4 16.1 16.8	14.1 19.2 23.6 25.4 27.7 27.7 29.3 27.5 25.6 19.6 17.4 16.0 16.8	19.7 23.6 22.2 24.7 23.9 27.5 25.6 20.4 18.2 17.3 15.9 16.8 18.2				15.1 19.8 23.5 20.2 24.7 22.3 27.5 20.3 17.9 15.9 16.8 18.2	00.00 33.64 13.75 35.15 36.38 36.44 37.04 36.11 36.44 35.54 36.69 36.74 36.22 35.36	35.70 33.81 35.10 36.45 36.45 36.68 36.32 35.65 36.63 36.78 36.78	35.56 35.13 33.82 35.47 36.40 36.54 36.24 36.37 35.94 36.70 36.59 36.70	36.27 34.67 36.07 36.32 36.41 36.40 36.32 36.14 36.78 36.62 36.65 36.29			
STATION: DEPTH: LATITUDE 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	W-14 28 M 2: 28 0 E: 96 8 4 2 21 27 16 30 3 1 1 20 28 19 22 16 23	7' N 13'30" W 3 4 5 5 6 6 7 8 10 11 12 12 12 1 2 3 4 5	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8 18.8	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8 18.8	14.1 19.2 23.6 25.4 27.7 29.3 27.5 25.6 19.6 18.6 17.4 16.0 16.8 18.5	19.7 23.6 22.2 24.7 23.9 27.5 25.6 20.4 18.2 17.3 15.9 16.8 16.2 23.6				15.1 19.8 23.5 20.2 24.7 21.7 22.3 27.5 25.5 20.3 17.9 15.9 16.8 18.2 23.2	00.00 33.64 13.75 35.15 36.38 36.44 37.01 36.44 36.11 36.57 36.69 36.79 36.62 35.36	35.70 33.84 35.10 36.38 36.45 36.68 36.04 36.32 35.65 36.69 36.63 36.78 36.18 35.46	35.56 35.13 33.82 35.47 36.54 36.66 36.24 36.71 36.59 36.70 36.20 35.46	36.27 34.67 36.07 36.32 36.41 36.61 36.32 36.14 36.78 36.62 36.65 36.29 36.06			
ETATION: DEPTH: LATITUDE LONGITUDE 2 3 4 5 6 6 7 6 9 10 11 12 13 14 15 16	W-14 28 M 2: 28 0 E: 96 8 4 2 1 27 16 30 3 1 1 20 28 19 22 16 23 26	7' N 13'30" W 3 4 5 5 6 7 8 10 11 12 12 12	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8 18.8 26.3 28.3	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 25.6 17.4 16.8 18.8 26.2 28.3	14.1 19.2 23.6 25.4 27.7 27.7 29.3 27.5 25.6 18.6 17.4 16.0 16.8 18.5 25.4 28.2	19.7 23.6 22.2 24.7 23.9 23.9 27.5 25.6 20.4 18.2 17.3 15.9 16.8 223.6 24.0				15.1 19.8 23.5 20.2 24.7 21.7 22.3 25.5 20.3 15.9 15.9 16.8 18.2 23.2	00.00 33.64 13.75 35.15 36.38 36.44 37.04 36.11 36.44 35.54 36.79 36.69 36.74 36.22 35.36	35.70 33.81 33.84 35.10 36.38 36.45 36.68 36.32 35.69 36.63 36.78 36.78 36.46 36.33	35.56 35.13 33.82 35.47 36.40 36.54 36.66 36.24 36.71 36.59 36.70 36.20 35.46 30.21 33.45	36.27 34.67 36.07 36.32 36.41 36.40 36.32 36.14 36.78 36.62 36.65 36.29			
ETATION: DEPTH: ATITUDE ONGITUE 3 4 5 6 7 6 9 10 11 12 13 14 15 16 17	W-14 28 M 2: 28 0 E: 96 8 4 2 21 27 16 30 3 1 1 20 28 19 22 16 23	7' N 13'30" W 3 4 5 5 6 7 8 10 11 12 12 2 3 4 5 6	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8 18.8	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8 18.8	14.1 19.2 23.6 25.4 27.7 29.3 27.5 25.6 19.6 18.6 17.4 16.0 16.8 18.5	19.7 23.6 22.2 24.7 23.9 27.5 25.6 20.4 18.2 17.3 15.9 16.8 16.2 23.6				15.1 19.8 23.5 20.2 24.7 21.7 22.3 27.5 25.5 20.3 17.9 15.9 16.8 18.2 23.2	00.00 33.64 13.75 35.15 36.38 36.44 37.04 36.11 36.44 35.54 36.79 36.72 36.72 36.73 36.74 36.23 36.74 36.23 36.74	35.70 33.84 35.10 36.38 36.45 36.68 36.04 36.32 35.65 36.69 36.63 36.78 36.18 35.46	35.56 35.13 33.82 35.47 36.54 36.66 36.24 36.71 36.59 36.70 36.20 35.46	36.27 34.67 36.07 36.32 36.41 36.61 36.40 36.32 36.14 36.62 36.65 36.29 36.06 35.40 35.79			
ETATION: DEPTH: DATITUOE ONGITUE 2 3 4 5 6 7 6 9 10 11 12 13 14 15 16 17 18	W-14 28 M 2: 26 0 E: 96 8 4 2 21 27 16 30 3 1 1 20 28 19 22 16 23 26 17	7' N 13'30" W 3 4 5 5 6 7 7 8 10 11 12 12 12 1 2 3 4 5 6 6 7	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8 18.8 26.3 28.3 27.5	14.2 19.5 23.6 26.0 27.7 29.3 27.5 25.6 19.4 18.6 16.1 16.8 26.2 28.3 27.5	14.1 19.2 23.6 25.4 27.7 27.7 29.3 27.5 25.6 19.6 17.4 16.0 18.5 25.4 28.4 28.4	19.7 23.6 22.2 24.7 23.9 27.5 25.6 20.4 18.2 17.3 15.9 16.8 18.2 23.6 24.0 21.8				15.1 19.8 23.5 20.2 24.7 21.7 22.3 27.5 25.5 20.3 17.9 16.8 18.2 23.2 23.2 23.2 21.8 22.3	00.00 33.64 13.75 36.38 36.44 37.04 36.11 36.44 36.79 36.79 36.77 36.36 36.37 36.37 36.37	35.70 33.81 33.84 35.10 36.38 36.68 36.04 36.32 35.65 36.63 36.78 36.63 36.78 36.46 36.32 36.63 36.33 36.33 36.33 36.33 36.33 36.33	35.56 35.13 33.82 35.47 36.40 36.54 36.24 36.77 35.94 36.70 36.20 35.46 30.21 33.45 36.33 36.70	36.27 34.67 36.32 36.41 36.60 36.32 36.14 36.62 36.65 36.29 36.65 35.40 35.79 36.40 35.79			
TATION: EPTH: ATITUDE ONGITUD 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 16 17 16 19 20 22	W-14 28 M 2: 28 0 2: 28 0 E: 96 8 4 2 21 27 16 30 3 1 1 20 28 19 22 16 6 37 20 28 19 22 16 23 26 17 30 28 29	7' N 13'30" W 3 4 5 5 6 7 7 8 8 10 11 12 12 12 1 2 3 4 4 5 6 6 7 7 8 9 9 10	1963 1963 1963 1963 1963 1963 1963 1963	15.6 19.5 23.6 26.0 27.8 27.8 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8 18.8 26.3 28.3 27.5 29.3	14.2 19.5 23.6 26.0 27.7 27.7 29.3 27.5 25.6 19.4 18.6 17.4 16.1 16.8 18.8 26.2 28.3 27.5 28.8 28.4	14.1 19.2 23.6 25.4 27.7 27.7 27.5 25.6 18.6 17.4 16.0 16.8 18.5 25.4 28.2 27.4 28.6 28.4	19.7 23.6 22.2 24.7 23.9 27.5 25.6 20.4 18.2 17.3 15.9 16.8 18.2 23.6 24.0 21.8 28.1 28.1 28.3				15.1 19.8 23.5 20.2 24.7 21.7 22.3 27.5 25.5 20.3 17.9 15.9 16.8 18.2 23.9 21.8 28.0 28.3	00.00 33.64 13.75 35.15 36.38 36.44 37.04 36.11 36.44 36.79 36.69 36.74 36.22 33.57 36.37 36.76 35.17	35.70 33.81 33.84 35.10 36.38 36.45 36.69 36.69 36.69 36.69 36.69 36.69 36.69 36.69	35.56 35.13 33.82 35.47 36.40 36.54 36.66 36.24 36.71 36.59 36.70 36.20 35.46 30.21 33.45 36.70 35.23	36.27 34.67 36.07 36.32 36.41 36.61 36.40 36.78 36.65 36.29 36.06 35.40 35.79 36.40 35.71 35.31			
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TATION: W-1'
EPTH: 46 M
ATITUDE: 27°57' N
JUNGITUDE: 36°07' W

ruise	Day	Month	Year	L			emperat Depth		2)					Sal	inity (o/ Oepth (M)	00}		
. 0130				n	3	11	24	43	70	107	8		3	11	24	4.3	70	10
2	8		1961	16.9	16.9	16.9	15.0	15.6			15.	36.35	36.22	36.27	36.01	36.28		
3	4	4	1963	22.1	-2.1	22.1	21.4	19.1			19.1	36.34	36.36	36.30	36.37	36.44		
4 5	21	-	1963 1963	26.5	23.8	23.8	21.1	2 .3			20.2	35,30 32,34	35.21	35.02	36.06 35.97	36.02		
6	27	6	1963	20.5	28.6	25.9	24.4	22			19.0	36.35	36.37	36.42	36.45	36,55		
7	16		1963	28.5	28.5	28.5	28.3	23.3			.'0.5	36.58	36.53	36.51	36.41	36.47		
8	3()	8	1963	28.7	28.6	28.2	25.4	23.1			.3.1	36.30	37.04	36.32	36.50	36.54		
9	1	11	1963	.6.2	27.2	27.1	27.0	26.9			17.0 26.1	36.62 36.59	36.50 36.63	36.57	36.55 36.70	36.54 36.72		
11	1	12	1963	.2.7	22.7	22.7	22.7	22.7			.2.6	36.71	36.68	36.62	36.65	36.69		
12		1.2	1963	20.9	2 .9	20.8	2 .8	19.8			19.6	36.80	36.69	36.70	36.75	36.88		
13	28		1+64 1964	18	18.2	17.9 17.J	17.2	14.			14.	36.55 36.59	36.56 36.75	36.60 36.55	36.60 36.65	36.27		
15	19	3	1964	16.9	16.9	16.9	16.9	16.9			16.9	36.53	36.40	36.39	36.41	36.59		
16	16	4	1964	19.4	19.4	19.2	18.7	17.9			17.9	34.39	36.11	36.51	36.73	36.71		
17	23	5	1964	25.6	25.4	25.4	22.7	21.1			21.0	31.99	32.20	34.53	35.94	36.2		
18 19	26 17	6 7	1964	28.2	28.1	28.1	25.9	19.4			19.9 19.4	33.46 36.58	33.44	33.57	34.88 36.50	36.5		
20	30	н	1964	29.2	29.0	28.7	28.5	26			25.2	36.70	36.60	36.59	36.62	36.46		
21	28	9	1964	28.3	28.3	28.3	28.3	28			27.9	35.62	35.60	35.68	35.87	36.27		
22	29 26	11	1964	24.9	24.9	24.9	24.9	24.9			24.9	36.33 36.50	36.33 36.50	36.31 36.48	36.32 36.57	36.33		
24	17	12	1964	20.6	20.6	20.5	20.6	20.4			20.3	36.42	36.57	36.42	36.48	36.51		
25	8	1	1965	20.8	20.8	20.7	20.4	.0.3			20.0	36.67	36.68	00.00	36.55	36.51		
26	27	2	1965	18.7	18.7	18.6	18.6	18.6			18.6	36.67	36.64	36.80	36.67	36.68		
27	22	3 4	1965	17.7	17.7	17.6 22.5	17.6 21.5	17.6 18.9			17.6 18.8	36.66 35.00	36. 19	36.04 35.79	36 10 36.41	36 13 36.33		
.9	1	6	1965	26.6	26.6	26.3	25.5	10.9			20.1	33.51	35.31	34.41	35.31	36.62		
<)	1.2	6	1965	30.0	28.2	27.1	26.1	13.8			20.7	30.72	31.03	32.53	35.67	36.59		
32	12	В	1965	28.5	28.5	28.4	28.3	11.3			21.2	36.17	36.19	36.04	36.06	36.5+		
33	11	9 12	1965	29.3	29.3	23.3	29.1	-3.8			22.6	00.00	00.00	00.00	00.00	00.00		
EPTH: ATITUDE ONGITUE	: 27°4 E: 96°	00, M e, N																
2	8	3	1963	18.6	18.6	18.6	18.5	17.9	17.3		16.4	36.61	36.51	36.48	36.42	36.55	36.50	
3	4	4	1963	21.6	21.3	21.2	20.6	19.8	18.1		18.1	36.27	36.20	36.28	36.29	36.35	36.63	
4 5	21	5	1963 1963	23.9	23.9	23.9	23.9	21.1	19.6		19.3	35.87 34.25	35.87 34.38	35.86 34.98	35.82 35.90	36.31	36.38 36.42	
6	26	6	1963	28.6	28.5	28.3	25.6	22.2	19.8		19.6	36.50	36.42	36.52	36.42	36.30	36.44	
7	16	7	1963	29.1	29.1	29.0	28.9	22.7	20.0		18.2	36.54	36.48	36.52	36.59	36.48	36.35	
8	30	8	1963	29.4	29.4 26.8	29.4	29.7 26.7	26.4 26.7	23.7		22.8	36.84	36.37 36.47	36.70	36.51 36.49	36.76	36.56 36.48	
10	1	11	1963	26.3	26.3	26.3	26.2	26.2	26.1		22.5	36.59	36.63	36.60	36.73	36.64	36.73	
11	30	11	1963	23.3	23.3	23.3	23.3	23.3	23.3		23.2	36.80	36.76	36.77	36.82	36.76	36.73	
12	20	1.2	1963	20.8	20.8	20.8	20.8	20.8	19.7		19.6	36.66	36.56	36.75 36.61	36.76 36.64	36.70 36.51	36.71 36.51	
13	28 20	1 2	1964 1964	19.5	19.5	19.4	19.3	18.9 17.0	17.2		16.4 16.9	36.64 36.71	36.66 36.64	36.63	36.56	36.57	36.71	
15	19	3	1964	19.5	19.5	19.5	19.4	18.5	16.0		15.8	36.58	36.57	36.59	36.55	36.50	36.57	
16	16	4	1964	20.3	20.3	20.2	18.8	18.1	17.1		16.9	36.45	36.29	36.30	36.41	36.68	36.75	
17 18	23 25	5	1964 1964	24.9	24.9	25.1	22.7	19.4	18.8		18.4	32.05 32.85	32.60	33.78 33.18	36.16 35.49	36.52 36.57	36.49 36.54	
19	17	7	1964	28.6	28.6	28.6	28.1	26.2	19.0		19.0	36.74	36.72	36.67	36.74	36.64	36.52	
20	30	8	1964	28.8	28.7	28.7	28.6	24.3	20.9		20.9	36.70	36.66	36.71	36.70	36.65	36.66	
21	28 29	9	1964 1964	28.3 25.4	28.3	28.3	28.3	22.8	21.6		21.6	36.51	36.50 36.68	36.52 36.71	36.51 36.69	36.62	36.59	
23	29	11	1964	23.9	23.9	23.9	23.9	23.9	23.5		23.5	36.64	36.51	36.58	36.48	36.52	36.48	
24	17	12	1964	22.2	22.2	22.2	22.2	22.2	21.4		21.4	36.65	36.58	36.66	36.58	36.57	36.58	
25	7	1	1965	22.3	22.3	22.2	22.2	22.1	21.8		21.3	36.82	36.79	36.80	36.78	36.80	36.78	
26 27	27 22	2	1965 1965	18.4	18.4	18.4	18.4	18.4	18.4		18.4	36.59 36.69	36.68	36.53	36.58 36.80	36.60 36.71	36.63 36.77	
28	24	4	1965	23.3	23.3	22.7	20.9	19.1	17.5		17.5	35.45	35.41	35.42	36.66	36.52	36.49	
	1	6	1965	26.6	26.6	26.1	23.3	20.6	19.7		18.5	32.78	32.74	33.61	36.48	36.61	36.63	
29		6	1965	28.6	26.7	25.1	22.9	19.9	19.5		19.6	31.85	32.09	27.43	34.99	36.65	36.39	
29 30	12			200	22 2													
29 30 32	12	8	1965	27.7	27.7	27.2	23.9	21.8	19.9		19.9	36.61	36.66	36.69	36.61	36.72	36.60	
29 30				27.7 29.0 23.2	27.7 28.9 23.2	27.2 28.9 23.2	23.9 26.7 23.2	21.8 22.8 23.2	19.9 21.6 23.2		19.9 21.6 23.3	36.61 00.00 00.00	36.66 00.00 00.00					

STATION W-59
DEPTH: 7 M
LATITUDE: 27051' N
LONGITUDE: 9701' W

				p			ature (a	Depth (h		
ruise	Day	Month	Year	(1	3	11 .'4	th (M)	В	7	1	11	.14	4	10
				1				24.0						
2	9	3	1963 1963	15.3 23.6	15.3 23.6			15.0	32.49	12.54				
4	6	4	1963	25.6	25.6			35	27.20	27				
5	22	5	1963	24.8	24.4			24.7	36.29	36				
6	27	6	1963	29.1	29.0			18.9	36.47	36,50				
7	16	7	1963	26.2	25.0			.18.0	37.02	37.31				
8	28	R	1963	30.1	30.1			.19.6	36.89	36.89				
9	3	1	1963	2011	26.2			26.7	31.52	30,40				
10	3	11	1963	23.6 17.3	23.6			1.9	34.31	34.30 32.48				
11	21	12	1963 1963	11.9	11.8			11.8	3 1.34	33.30				
13	30	1	1964	11.6	11.6			11.6	33.1.	33.12				
14	20	2	1964	13.8	13.8			13.8	35.31	35.41				
15	20	3	1964	17.2	17.1			1".6	34.14	34.15				
16	18	4	1964	1 21.0	21.0			1+.7	27.22	27.31				
17	25	5	1964	0.00	00.0				25.54	25.60				
18	27	6	1964	28.3	28.2			. 5 . 3	36,04	35.10 36.02				
19	18	7	1964 1964	28.5	28.4			29.2 29.2	36.76	36.76				
50	.29	9	1964	28.5	28,5			.a.e	34.29	34.35				
5.5	31	10	1964	22.9	.2.9			22.7	13, 31	33.30				
23	20	11	1964	23.5	23.5			.13.5	34,26	34.24				
24	18	12	1964	12.8	12.8			12.8	31.15	31.12				
25	9	1	1965	17.0	17.0			16.9	10.89	30,90				
26	1	3	1965	16.0	16.)			16.5	34.00	34.08				
27	_ 3	3	1965	16.4	16.1			15.	36	33,36				
28	24	4	1965	23.3	23			4	¥ .28 26.77	26.77				
29 30	30 14	5	1965 1965	28.5	28.5			2	28.95	28.98				
32	12	8	1965	28.8	28.7			. 4.10	36.62	36.61				
33	12	q	1965	29.4	29.4			.19.3	00.00	00.00				
35	1)	1.2	1965	19.3	19.2			19.1	30.81	30.44				
DEPTH: LATITUDI LONGITUI	E: 27°4 DE: 97°	8* N 'no* W												
2	q				13.9	13.4		1.4	57, 40	371.96	111.95			
6		3	1963	14.2							31.7	3		
3	6	3	1963 1963	21.6	21.6	20.9		.1.6	30.43	30.46				
4	6	4 5	1963 1963	21.6 24.6	21.6 24.6	24.6		24.6	26.21	27.48	28.15			
4 5	6 3 22	4 5 5	1963 1963 1963	21.6 24.6 25.2	21.6 24.6 25.0	24.6 22.7		24.6 22.6	26.21 36.40	27.48 36.22	28.15 35.95))		
4	6 3 22 27	4 5 5 6	1963 1963 1963	21.6 24.6 25.2 28.8	21.6 24.6 25.0 28.8	24.6 22.7 28.8		24.6 22.6 28.7	26.21 36.40 36.48	27.48 36.22 36.52	28.15 35.95 36.58	3		
5 6 7	6 3 22 27 16	4 5 5 6 7	1963 1963 1963 1963	21.6 24.6 25.2 28.8 4 25.9	21.6 24.6 25.0 28.8 25.9	24.6 22.7 28.8 22.8		24.6 22.6 28.7 22.8	26.21 36.40 36.48 36.37	27.48 36.22 36.52 36.39	28.15 35.95 36.58 37.96	3		
4 5	6 3 22 27 16 28	4 5 5 6 7 8	1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3	21.6 24.6 25.0 28.8 25.9 29.3	24.6 22.7 28.8 22.8 28.9		24.6 22.6 28.7 22.8 28.8	26.21 36.40 36.48 36.37 36.54	27.48 36.22 36.52	28.15 35.95 36.58	3		
4 5 6 7 8	6 3 22 27 16	4 5 5 6 7	1963 1963 1963 1963	21.6 24.6 25.2 28.8 4 25.9	21.6 24.6 25.0 28.8 25.9	24.6 22.7 28.8 22.8		24.6 22.6 28.7 22.8 28.8 25.5 23.6	26.21 36.40 36.48 36.37 36.54 30.35 34.82	27.48 36.22 36.52 36.39 36.57 30.79 34.65	28.15 35.95 36.58 37.96 36.60 30.05 34.68	33 33 34 34 34 34 34 34 34 34 34 34 34 3		
4 5 6 7 8	6 3 22 27 16 28 3	4 5 5 6 7 8	1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3 26.0	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4	24.6 22.7 28.8 22.8 28.0 26.7		24.6 22.6 28.7 22.8 28.8 25.5 23.6 15.5	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00	27.48 36.22 36.52 36.39 36.57 30.79 34.65 33.12	28.15 35.95 36.58 37.96 36.66 30.05 34.68 35.68	33 33 33 33		
4 5 6 7 8 9 10 11 12	6 3 22 27 16 28 3 3 1 21	4 5 6 7 8 10 11 12	1963 1963 1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3 26.0 23.8 17.4	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4	24.6 22.7 28.8 22.8 28.0 26.7 23.6 19.4		24.6 22.6 28.7 22.8 28.8 25.5 23.6 15.5	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00 34.04	27.48 36.22 36.52 36.39 36.57 30.79 34.65 33.12 34.20	28.15 35.95 36.58 37.96 36.66 30.05 34.68 35.68	3 3 3 3 3 5 5		
4 5 6 7 8 9 10 11 12 13	6 3 22 27 16 28 3 3 1 21	4 5 5 6 7 8 10 11 12 12	1963 1963 1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 4 25.9 29.3 26.0 1 23.8 17.4 13.0	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4 13.0 11.2	24.6 22.7 28.8 22.8 28.0 26.7 23.6 19.4 13.0		24.6 22.6 28.7 22.8 28.8 25.5 23.6 15.5 13.0	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00 34.04 33.39	27.48 36.22 36.52 36.39 36.57 30.79 34.65 33.12 34.20 33.38	28.15 35.95 36.58 37.96 36.00 34.68 35.68 34.15 33.35	5 9 3 3 3 3 3 3 5 5		
4 5 6 7 8 9 10 11 12 13	6 3 22 27 16 28 3 3 1 21 30 20	4 5 5 6 7 8 10 11 12 12	1963 1963 1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3 26.0 23.8 17.4 13.0 11.2	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4 13.0 11.2	24.6 22.7 28.8 22.8 28.0 26.7 23.6 19.4 13.0 11.2		24.6 22.6 28.7 22.8 28.8 25.5 23.6 15.5 13.0 11.3 14.2	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00 34.04 33.39 35.68	27.48 36.22 36.52 36.39 36.57 30.79 34.65 33.12 34.20 33.38 35.67	28.15 35.95 36.58 37.96 36.60 34.68 35.68 34.15 33.35	3 3 3 3 5 5 5 5 5		
4 5 6 7 8 9 10 11 12 13 14 15	6 3 22 27 16 28 3 1 21 30 20 20	4 5 6 7 8 10 11 12 12 12	1963 1963 1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3 26.0 23.8 17.4 13.0 11.2 14.2	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4 13.0 11.2 14.2 16.8	24.6 22.7 28.8 22.8 28.0 26.7 23.6 19.4 13.0 11.2 14.2		24.6 22.6 28.7 22.8 28.8 25.5 23.6 15.5 13.0 11.3 14.2	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00 34.04 33.39 35.68 33.96	27.48 36.22 36.52 36.57 30.79 34.65 33.12 34.20 33.38 35.67 34.08	28.15 35.95 36.58 37.96 36.60 30.05 34.68 35.68 34.16 33.35 35.66 34.66	5 9 3 3 3 3 3 3 3 3 5 5 5 7		
4 5 6 7 8 9 10 11 12 13 14 15 16	6 3 22 27 16 28 3 3 1 21 30 20 20 18	4 5 5 6 7 8 10 11 12 12 1 2 3 4	1963 1963 1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3 26.0 23.8 17.4 13.0 11.2 14.2 17.1	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4 13.0 11.2 14.2 16.8 21.0	24.6 22.7 28.8 22.8 28.0 26.7 23.6 19.4 13.0 11.2 14 15.6		24.6 22.6 28.7 22.8 28.8 25.5 23.6 15.5 13.0 11.3 14.2	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00 34.04 33.39 35.68	27.48 36.22 36.52 36.39 36.57 30.79 34.65 33.12 34.20 33.38 35.67	28.15 35.95 36.58 37.96 36.60 34.68 35.68 34.15 33.35	5 9 3 3 3 3 3 3 5 5 7		
4 5 6 7 8 9 10 11 12 13 14 15 16 17	6 3 22 27 16 28 3 1 21 30 20 20	4 5 6 7 8 10 11 12 12 12	1963 1963 1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3 26.0 23.8 17.4 13.0 11.2 14.2	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4 13.0 11.2 14.2 16.8	24.6 22.7 28.8 22.8 28.0 26.7 23.6 19.4 13.0 11.2 14.2		24.6 22.6 28.7 22.8 28.8 25.5 23.6 15.5 13.0 11.3 14.2 15.6	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00 34.04 33.39 35.68 33.96 27.48 26.69	27.48 36.22 36.52 36.39 36.57 30.79 34.65 33.12 34.20 33.38 35.67 34.08 27.84 26.66	28.19 35.99 36.58 37.96 30.09 34.68 35.68 34.11 33.39 35.68 34.6 28.51 26.71	5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		
4 5 6 7 8 9 10 11 12 13 14 15 16	6 3 22 27 16 28 3 1 21 30 20 20 18 25	4 5 5 6 7 8 10 11 12 12 1 2 3 4 5	1963 1963 1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3 26.0 23.8 17.4 13.0 11.2 14.2 17.1 21.0 26.7 27.8	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4 13.0 11.2 14.2 16.8 21.0 26.6 27.8 28.4	24.6 22.7 28.8 22.8 26.7 23.6 19.4 13.0 11.2 14.2 15.6 19.9 26.6 28.1		24.6 22.6 28.7 22.8 28.8 25.5 23.6 15.5 13.0 11.3 14.2 15.6 19.6 26.5 28.8	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00 34.04 33.39 35.68 27.48 26.69 34.98	27.48 36.22 36.52 36.39 36.57 30.79 34.65 33.12 34.20 33.38 35.67 34.08 27.84 26.66 34.95	28.19 35.99 36.55 37.96 30.00 30.00 34.66 34.16 33.35 35.66 28.56 26.77 35.56 35.9	5 9 9 3 3 3 3 3 3 3 3 5 5 5 5 5 7 7 H H H H H H H H H H H H H		
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	6 3 22 27 16 28 3 1 21 30 20 20 18 25 27 18	4 5 5 6 7 8 10 11 12 12 1 2 3 4 5 6 7 7 8	1963 1963 1963 1963 1963 1963 1963 1963	21.6 24.6 25.2 28.8 25.9 29.3 26.0 17.4 13.0 11.2 14.2 17.1 21.0 26.7 27.8 28.4 28.6	21.6 24.6 25.0 28.8 25.9 29.3 26.1 23.7 17.4 13.0 11.2 14.2 16.8 21.0 26.6 27.8 28.4 28.6	24.6 22.7 28.8 22.8 26.7 23.6 19.4 13.0 11.2 14.1 15.6 19.9 26.6 28.1 28.4		24.6 22.6 28.7 22.8 28.8 25.5 23.6 11.3 14.2 15.6 19.6 28.5 28.6 28.3	26.21 36.40 36.48 36.37 36.54 30.35 34.82 00.00 34.04 33.39 35.68 33.96 27.48 26.69 34.98 35.96	27.48 36.22 36.52 36.39 36.57 30.79 34.65 33.18 35.67 34.20 33.38 35.67 34.08 27.84 26.66 34.95 36.07 36.71	28.15 35.9 36.56 37.96 36.00 34.68 35.66 34.1 33.35 5.64 34.6 28.5 26.7 35.9 35.9	5 3 3 3 3 3 5 5 5 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
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TATION: W-2 DEPTH: 28 M LATITUDE: 27°35'31" H LON JITUDE: 96°55' W

ruise	Day	Month	/ear	-		Temperat Depth		Salinity (-/oo Depth (M)							
10130	Day				7 71	24		70 INT B	0	3	11	24	43	70	107
	q		1963	Local	15.6	15.3			34.49	34.71	35.79	35.66			
3	4	4	1963		22.3 20.4			17.7	29.42	29.52	35.34	35.90			
4	5		1963		24.8 24.4			22.9	32.63	32.73	32.73	31.12			
	21		1963		25.4 24.4			19.3	36.02	36.05	36.15	36.36			
6	27	6	1963		27.8 23.9			23.8	36.52	36.49	36.40	36.49			
7	16		1963		27.5 27.4			23.1	36.4€	36.43	36.4	36.42			
8	30	8	1963		29.1 29.0			22.3	36.52	36.90	36.47	36,60			
9			1963		26.7 26.9			27.0	33.09	33.45	34.45	34.80			
1	1	11	1963		25.5 25.5			25.4	36.18	00.00 36.29	00.00 36.32	00.00 36.38			
11	21	12	1963 1963		21.2 21 16.8 16.8			21.3	36.10	36.19	36.14	36.10			
13	3	1	1964		16.0 16.0			15.4	3€.00	35.97	35.95	35.94			
14	2	_	1964		15.2 15.1			15.2	35.70	35.76	35.74	35.75			
1	19	3	1964		16.8 16.8			16.8	35.60	35.74	36.16	36.21			
16	16	4	1964		19.3 19.0			17.5	29.63	29.64	31.05	33.93			
17	24		1964		25.3 25.4			24.4	00.00	00.00	00.00				
18	_ t	6	1964		27.7 27.4	25.6		25.0	33.8ê	33.83	34.13	35.19			
19	1.7	~	1964		27.6 27.2	21.6		21.5	36.68	36.64	36.6.	36.51			
21	31	8	1964		28.4 28.3			27.2	36.72	36.68	36.€7	36.71			
21	26	9	1964		28.4 28.5			28.5	34.38	34.34	35.48	35.42			
2.	29	1.	1964		23.6 23.5			0.00	34.40	34.38	34.78	35.04			
23	24	11	1964		21.9 21.9			21.9	35.15	35.11	35.13	35.15			
24	17	1.2	1964		17.9 18.9			18.8	32.70	34.78 34.01	34.88 35.38	35. 5 7 36.32			
25	8	1 2	1965		16.9 19.8			17.6	34.15	31.72	35.78	36.40			
26 27	28 22	3	1965 1965		15.3 16.3 16.0 16.0			15.9	35.39	35.32	35.27	35.32			
28	24	4	1965		23.2 20.3			19.8	00.00	00.00	00.00	00.00			
29	30	5	1965		26.6 26.5			25.2	00.00	35.27	29.65	31.52			
30	13	6	1965		27.5 27.9			24.1	30.85	30.86	31.33	34.20			
32	13	8	1965		28.4 28.			28.2	36.52	36.48	36.56	36.61			
33	12	9	1965	29.3	29.2 28.7	28.6		28.6	00.00	00.00	00.00	00.00			
35	11	12	1965	20.2	20.5 21.2	21.3		21.2	31.89	31.82	33.91	34.00			
EDMII.	W-22														
EPTH: ATITUDE ONGITUI		21* N 50* W													
EPTH: ATITUDE ONGITUI	46 M E: 27°2 DE: 96°	3	1963		16.9 17.0	16.9	14.5	14.5	36.39	36.44	36.42	36 . 4 6	36.19		
ATITUDE ONGITUE 2 3	46 M E: 27°2 DE: 96°	3 4	1963	23.6	22.8 21.1	20.2	19.6	19.5	31.61	33,85	35.97	36.35	36.43		
EPTH: ATITUDE ONGITUI 2 3 4	46 M E: 27°2 DE: 96°	3 4 5	1963 1963	23.6 2	22.8 21.1 24.5 24.1	20.2	19.6 20.3	19.5 19.7	31.61 34.74	33.85 33.88	35.97 35.60	36.35 35.98	36.43 36.25		
AT ITUDE ONG ITUI 2 3 4 5	46 M 2: 27°2 0E: 96° 9 4 6 21	3 4 5 5	1963 1963 1963	23.6 24.6 26.3	22.8 21.1 24.5 24.1 25.7 25.4	20.2 21.1 20.9	19.6 20.3 19.4	19.5 19.7 19.4	31.61 34.74 36.31	33.85 33.88 36.32	35.97 35.60 36.39	36.35 35.98 36.38	36.43 36.25 36.40		
ATITUDE ONGITUI 2 3 4 5 6	46 M 2: 27°2 9 4 6 21 27	3 4 5 5	1963 1963 1963	23.6 24.6 26.3 27.2	22.8 21.1 24.5 24.1 25.7 25.4 26.2 26.0	20.2 21.1 20.9 22.6	19.6 20.3 19.4 19.8	19.5 19.7 19.4 19.7	31.61 34.74 36.31 36.57	33.85 33.88 35.32 36.34	35.97 35.60 36.39 36.51	36.35 35.98 36.38 36.53	36.43 36.25 36.40 36.43		
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STATION: W-58
DEPTH: 73 M
LATITUDE: 27006' N
LONGITUDE: 9645' W

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20 31 8 1964 29.0 28 21 26 9 1964 28.4 28 22 30 10 1964 25.5 25.5 225.5 225.2 23 24 11 1964 23.8 23.8 23.2 24 20.9 20 <		2	27.6 22.1	18.2		18.2	36.71	36.78	36.64	36.60	36.62	36.55	
21 26 9 1964 28.4 28 27 30 10 1964 25.5 25 23 24 11 1964 23.8 23.8 23 24 17 12 1964 20.9 20 25 8 1 1965 20.7 20 26 28 2 1965 19.5 19 27 22 3 1965 19.4 19 28 24 4 1965 24.6 24.6 24 29 30 6 1965 27.1 27 30 30 13 6 1965 27.1 27 32 32 13 8 1965 27.6 27 6 27.6 27 6 27.6 27 6 27.6 27 6 27 6 27 6 27 6 27 6 27 6 27 6 27 6 27 6 27			28.6 23.8	20.6		20.6	36.73	36,66	36.65	36.69	36.64	36.55	
2? 30 10 1964 25.5 25 23 24 11 1964 23.8 23 24 17 12 1964 20.9 20.9 20 25 8 1 1965 20.7 20 26 28 2 1965 19.5 19 19.5 19 27 22 3 1965 19.4 19 28 24.6 24 24 24 24 25.5 25.1 27.1 27 20 27.1 27 20 27.1 27 20 27.1 27 26 27.1 27 26 24.6 24 24 1965 27.1 27 26 27.1 27 26 27 26 27 26 27 26 27 26 27 26 27 26 27 26 27 26 27 26 27 26 27 26 27 <td< td=""><td></td><td></td><td>28.4 27.2</td><td>21.8</td><td></td><td>21.8</td><td>36.52</td><td>36.49</td><td>36.40</td><td>36,66</td><td>36,65</td><td>36.68</td><td></td></td<>			28.4 27.2	21.8		21.8	36.52	36.49	36.40	36,66	36,65	36.68	
23 24 11 1964 23.8 23 24 17 12 1964 20.9 20 25 8 1 1965 20.7 20 26 28 2 1965 19.5 19 27 22 3 1365 19.4 19 28 24 4 1965 24.6 24.6 24 29 30 6 1965 27.1 27 30 13 6 1965 27.5 26 32 13 8 1965 27.6 27	.5 25.5 25.	2	25.6 26.1	25.8		25.8		00.00	36.41	36.52	36.80	36.75	
24 17 12 1964 20.9 20 25 8 1 1965 20.7 20 26 28 2 1965 19.5 19 27 22 3 1965 19.4 19 28 24 4 1965 24.6 24 29 30 6 1965 27.1 27 30 13 6 1965 27.5 26 32 13 8 1965 27.6 27			23.8 23.8	23.8		23.8	36.62	36.55	36.56	36.49	36.57	36.55	
25 8 1 1965 20.7 20 26 28 2 1965 19.5 19 27 22 3 1965 19.4 19 28 24 4 1965 24.6 24 29 30 6 1965 27.1 27 30 13 6 1965 27.5 26 32 13 8 1965 27.6 27			20.7 20.7	20.7		20.7	36.14	36.15	36,13	36.22	36.21	36.27	
26 28 2 1965 19.5 19 27 22 3 1965 19.4 19 28 24 4 1965 24.6 24.6 24 29 30 6 1965 27.1 27 30 13 6 1965 27.5 26 32 13 8 1965 27.6 27			20.6 20.5	20.1		.10.0	36.09	36.10	36,13	36.11	36.40	36.42	
27 22 3 1965 19.4 19 28 24 4 1965 24.6 24 29 30 6 1965 27.1 27 30 13 6 1965 27.5 26 32 13 8 1965 27.6 27			19.4 19.4	17.5		17.6	36.58	36.49	36.56	36.51	36.36	35.40	
28 24 4 1965 24.6 24 29 30 6 1965 27.1 27 30 13 6 1965 27.5 26 32 13 8 1965 27.6 27			19.2 19	19.2		19.2	36.43	36.41	36.40	36.47	36.48	36.59	
29 30 5 1965 27.1 27 30 13 6 1965 27.5 26 32 13 8 1965 27.6 27			17.2 16.8	17.2		17.2	29.52	29,90	33.27	35.97	36.39	36.47	
30 13 6 1965 27.5 26 32 13 8 1965 27.6 27			21.8 20.0			18.8	28.68	28.68	29.42	36.04	36.48	36.47	
32 13 8 1965 27.6 27			21.9 19.2	18.9		18.9	31.81	31,80	32.04	34.98	36.48	36.48	
			23.6 22.1	19.4		19.4	36.53	36.50	36.50	36,62	36.64	36.66	
33 11 9 1965 30.1 30			27.9 22.7	00.0		22.4	00.00	00,00					
35 11 12 1965 23.6 23			23.7 23.7	_3.7		28.7	36.15	36,13	36.15	36.42	36.13	36.11	

Table 10. Monthly temperature and salinity Observation at stations on transact 10, 1963-1965

STATION: W-60
DEPTH: 7 M
LATITUDE: 26°34' N
LONGITUDE: 97°16' W

ruise	Day	Month	Year			T	emperati Depth	1	Salinity (@ oo) Oepth (M)								
				0	3	11	24	7/1	107	8	0	3	11	24	43	70	10
2	9	3	1963	15.3	14.9					14.9	34.27	34.15					
6	28	6	1963	26.3	26.3					24.0	36.41	36.32					
7	15	7	1963	25.1	23.9					22.8	36.49	36.44					
8	29	8	1963	27.6	27.6					24.9	36.47	36.62					
9	4	10	1963	26.2	26.2					26.3	31.77	32.13					
10	3	11	1963	23.5	23.5					23.5	33.95	33.81					
11	2	1.2	1963	19.8	19.8					19.7	34.42	34.62					
1.2	22	12	1963	12.2	12.2					12.2	34.25	34.35					
13	30	1	1964	14.2	14.2					14.2	34.08	34.05					
15	20	3	1964	17.8	17.8					16.8	35.42	35.42					
16	17	4	1964	20.7	20.7					20.4	31.86	31.80					
17	24	5	1964	26.1	26.1					24.7	28.16	28.15					
18	27	6	1964	27.4	27.4					27.4	35.49	35.45					
19	18	7	1964	27.1	27.1					26.9	36.40	36.46					
20	31	8	1964	27.3	26.0					24.6	36.73	36.70					
21	26	9	1964	28.8	28.8					28.8	00,00	36.93					
22	30	10	1964	24.0	24,0					24.0	34.45	34.43					
23	24	11	1964	19.9	19.9					19.9	33.88	33.85					
24	18	12	1964	15.2	15.2					15.2	32.09	32.05					
25	9	1	1965	16.9	16.9					16.1	32.67	32.66					
26	28	2	1965	17.2	17.2					17.5	34.90	35.00					
27	23	3	1965	16.7	16.7					16.2	34.32	34.39					
28	25	4	1965	24.0	24.0					23.3	29.72	29.72					
29	31	5	1965	26,2	26.2					26.2	33.20	33.21					
30	14	6	1965	27.2	27.2					27.0	34.21	34.37					
32	14	8	1965	28.0	28.0					27.9	36.65	36.62					
35	11	12	1965	20.1	20.1					20.0	31.76	31.73					

TATION: W-61
DEPTH: 23 M
AATITUDE: 26° 0' N
LONGITUDE: 97° 8' W

_ruise	Day	Month	Year			Т	emperat Depth			salinity - >0							
					3	11	24	43	10 T B	+=	3	11	Depth :	43	70	107	
			1000		-			-									
	1 /	4	1963 1963	14.	21.8	13.7			Acre		33.73	34.13					
6	6	6	196 (27.2	27.2	22.1			18.		31.22	31.29					
7	1		196	_5.5	25.3	23.3			21.8		36.42	36.40					
	_9	H	1963	28.2	28. 1	26.7			21 23.6		36.5,	36.56					
9	9		1963	21.7	.6.7	26.8			28.1		31.96	32.79					
11	4	11	1963	24.4	24.4	24.4			24.		34.63	34.72					
11	2		1963	18.6	18.7	20.3			2 .6		33.11	34.75					
1.	22	1.	1963	15.2	15.2	15.2			15.0		35.31	35.25					
13	29		1964	12.4	12.3	12.3			12		33.91	33.91					
15 16	17	4	1964	17.1	16.6	16.5			16.4		35.41	35.53					
17	24	9	1964 1964	19.8	19.8	19.7			19.5								
18	24	6	1964	25.6 26.7	25.5 26.4	25.1			22.9		27.4.	28.69					
19	16	7	1964	25.4	25.4	24.1			.3.9		35.90	35.98					
21	31	8	1964	28.3	27.5	26.3			23.2		36.49	36.45					
21	26	9	1964	00.0	00.0	20.3			23.4		36.66 36.42	36.65 36.5					
2.	30	10	1964	24.0	24.0	23.9			23.9		34.55	34.50					
23	24	1.1	1964	21.6	21.6	21.6			-1.7		34.42	34.50					
24	17	1.2	1964	16.0	16.0	16.2			16.7		32.59	33.09					
25	9	1	1965	16.8	16.7	16.4			17.4		32.45	33.35					
26	28	2	1965	15.5	15.5	16.1			16.2	33.09	33.15	34.59					
27	2.3	3	1965	16.7	16.6	16.6			16.6	34.65	34.63	34.61					
28	25	4	1965	23,8	23.8	23.5			18.7		29.22	29.79					
29 30	31 14	5	1965	26.1	26.0	26.0			25.0		33.18	33.27					
32	14	6 8	1965 1965	27.9	27.9	26.3			. 5 . 7		32.73	33.81					
15	11	12	1965	20.0	19.9	20.4			27.3		36.63 31.53	36.58					
	: 26 4 E: 96 0																
2	10	3	1963	18.2	18.1	18.1	16.	16.+	16.6	36.09	36.43	36.41	36.41	36.			
3	5	4	1963	00.0	00.0	00.0	10.		70.0		33.41	36.26	35.96	36.5			
6	28	6	1963	27.3	27.2	26.4	11.4	.9.8	19.8					36.7			
7	15	7	1963	27.0	27.0	.6.9	14.1										
8	29	8	1963				1.00		20.4	36.48	36.47	36.37	36.48	36.45			
9				29.3	29.2	29.1	24.1	21.4	21.3	36.67	36.63	36.37 36.64	36.48	36.45			
3.0	4	10	1963	27.9	27.9	29.1 27.9	24.1 27.9	21.4 27.6	21.3 25.6	36.67 36.27	36.63 36.35	36.64 36.41	36.43 36.46	36.33 36.48			
10	4	11	1963 1963	27.9 25.6	27.9 25.6	29.1 27.9 25.7	24.1 27.9 25.7	21.4 27.6 25.7	21.3 25.6 25.7	36.67 36.27 36.34	36.63 36.35 36.32	36.64 36.41 36.36	36.43 36.46 36.33	36.33 36.48 36.52			
11	4 2	11 12	1963 1963 1963	27.9 25.6 22.8	27.9 25.6 12.8	29.1 27.9 25.7 22.8	24.1 27.9 25.7 22.8	21.4 27.6 25.7 22.8	21.3 25.6 25.7 23.6	36.67 36.27 36.34 36.05	36.63 36.35 36.32 36.05	36.64 36.41 36.36 35.94	36.43 36.46 36.33 35.88	36.33 36.48 36.52 36.13			
	4	11	1963 1963 1963 1963	27.9 25.6 22.8 19.8	27.9 25.6 12.8 19.8	29.1 27.9 25.7 22.8 19.3	24.1 27.9 25.7 22.8 18.7	21.4 27.6 25.7 22.8 18.6	21.3 25.6 25.7 23.6 18.4	36.67 36.27 36.34 36.05 36.69	36.63 36.35 36.32 36.05 36.62	36.64 36.41 36.36 35.94 36.60	36.43 36.46 36.33 35.88 36.66	36.33 36.48 36.52 36.13 36.63			
11 12	4 2 22	11 12 12	1963 1963 1963	27.9 25.6 22.8 19.8 16.7	27.9 25.6 12.8 19.8 16.7	29.1 27.9 25.7 22.8 19.3 16.7	24.1 27.9 25.7 22.8 18.7 16.8	21.4 27.6 25.7 22.8 18.6 16.4	21.3 25.6 25.7 23.6 18.4 16.4	36.67 36.27 36.34 36.05 36.69 36.24	36.63 36.35 36.32 36.05 36.62 36.27	36.64 36.41 36.36 35.94 36.60 36.24	36.43 36.46 36.33 35.88 36.66 36.31	36.33 36.48 36.52 36.13 36.63 36.63			
11 12 13	4 2 2 2 29	11 12 12	1963 1963 1963 1963 1964	27.9 25.6 22.8 19.8	27.9 25.6 12.8 19.8	29.1 27.9 25.7 22.8 19.3	24.1 27.9 25.7 22.8 18.7	21.4 27.6 25.7 22.8 18.6	21.3 25.6 25.7 23.6 18.4	36.67 36.27 36.34 36.05 36.69 36.24 36.56	36.63 36.35 36.32 36.05 36.62 36.27 36.49	36.64 36.41 36.36 35.94 36.60 36.24 36.48	36.43 36.46 36.33 35.88 36.66 36.31 36.49	36.33 36.48 36.52 36.13 36.63 36.62 36.49			
11 12 13 15 16 17	4 2 22 29 20 17 24	11 12 12 1 1	1963 1963 1963 1963 1964 1964 1964	27.9 25.6 22.8 19.8 16.7 14.6 20.6 25.8	27.9 25.6 12.8 19.8 16.7 14.5	29.1 27.9 25.7 22.8 19.3 16.7 14.4	24.1 27.9 25.7 22.8 18.7 16.8 14.3	21.4 27.6 25.7 22.8 18.6 16.4	21.3 25.6 25.7 23.6 18.4 16.4	36.67 36.27 36.34 36.05 36.69 36.24 36.56 32.30	36.63 36.35 36.32 36.05 36.62 36.27	36.64 36.41 36.36 35.94 36.60 36.24	36.43 36.46 36.33 35.88 36.66 36.31	36.33 36.48 36.52 36.13 36.63 36.63			
11 12 13 15 16 17 18	4 2 22 29 20 17 24 26	11 12 12 1 3 4 5	1963 1963 1963 1963 1964 1964 1964 1964	27.9 25.6 22.8 19.8 16.7 14.6 20.6 25.8 27.7	27.9 25.6 12.8 19.8 16.7 14.5 20.6 25.7 27.7	29.1 27.9 25.7 22.8 19.3 16.7 14.4 19.3 25.1 27.4	24.1 27.9 25.7 22.6 18.7 16.8 14.3 20.3 22.9 22.2	21.4 27.6 25.7 22.8 18.6 16.4 00.0 17.9	21.3 25.6 25.7 23.6 18.4 16.4 13.2 17.9	36.67 36.27 36.34 36.05 36.69 36.24 36.56	36.63 36.35 36.32 36.05 36.62 36.27 36.49 32.23	36.64 36.41 36.36 35.94 36.60 36.24 36.48 35.88	36.43 36.46 36.33 35.88 36.66 36.31 36.49 36.71	36.33 36.48 36.52 36.13 36.63 36.62 36.49 36.50			
11 12 13 15 16 17 18	4 2 22 29 20 17 24 26 18	11 12 12 1 3 4 5 6 7	1963 1963 1963 1963 1964 1964 1964 1964 1964	27.9 25.6 22.8 19.8 16.7 14.6 20.6 25.8 27.7 27.4	27.9 25.6 12.8 19.8 16.7 14.5 20.6 25.7 27.7 27.3	29.1 27.9 25.7 22.8 19.3 16.7 14.4 19.3 25.1 27.4 23.6	24.1 27.9 25.7 22.6 18.7 16.8 14.3 20.3 22.9 22.2 21.5	21.4 27.6 25.7 22.8 18.6 16.4 00.0 17.9 20.3 20.3	21.3 25.6 25.7 23.6 18.4 16.4 17.9 19.7 20.2	36.67 36.27 36.34 36.05 36.69 36.24 36.56 32.30 27.12 35.46 36.58	36.63 36.35 36.32 36.05 36.62 36.27 36.49 32.23 26.91 35.59 36.55	36.64 36.41 36.36 35.94 36.60 36.24 36.48 35.88 33.32 35.53 36.62	36.43 36.46 36.33 35.88 36.66 36.31 36.49 36.71 36.00 36.32 36.61	36.33 36.48 36.52 36.13 36.63 36.62 36.49 36.50 36.57 36.48			
11 12 13 15 16 17 18 19 20	4 2 22 29 20 17 24 26 18 31	11 12 12 1 3 4 5 6 7 8	1963 1963 1963 1964 1964 1964 1964 1964 1964 1964	27.9 25.6 22.8 19.8 16.7 14.6 20.6 25.8 27.7 27.4 27.8	27.9 25.6 12.8 19.8 16.7 14.5 20.6 25.7 27.7 27.3 27.7	29.1 27.9 25.7 22.8 19.3 16.7 14.4 19.3 25.1 27.4 23.6 27.6	24.1 27.9 25.7 22.6 18.7 16.8 14.3 20.3 22.9 22.2 21.5 24.4	21.4 27.6 25.7 22.8 18.6 16.4 10.0 17.9 20.3 20.3 19.1	21.3 25.6 25.7 23.6 18.4 16.4 13.2 17.9 19.7 20.2 19.1	36.67 36.27 36.34 36.05 36.69 36.24 36.56 32.30 27.12 35.46 36.58 36.70	36.63 36.35 36.32 36.05 36.62 36.27 36.49 32.23 26.91 35.59 36.55 36.71	36.64 36.36 35.94 36.60 36.24 36.48 35.88 33.32 35.53 36.62 36.71	36.43 36.46 36.33 35.88 36.66 36.31 36.49 36.71 36.00 36.32 36.61 36.63	36.33 36.48 36.52 36.13 36.63 36.62 36.50 36.57 36.48 36.54			
11 12 13 15 16 17 18 19 20 21	4 2 22 29 20 17 24 26 18 31 26	11 12 12 1 3 4 5 6 7 8 9	1963 1963 1963 1964 1964 1964 1964 1964 1964 1964 1964	27.9 25.6 22.8 19.8 16.7 14.6 20.6 25.8 27.7 27.4 27.8 28.8	27.9 25.6 12.8 19.8 16.7 14.5 20.6 25.7 27.7 27.3 27.7 28.8	29.1 27.9 25.7 22.8 19.3 16.7 14.4 19.3 25.1 27.4 23.6 27.6 28.8	24.1 27.9 25.7 22.6 18.7 16.8 14.3 20.3 22.9 22.9 22.2 21.5 24.4 28.8	21.4 27.6 25.7 22.8 18.6 16.4 00.0 17.9 20.3 20.3 19.1 21.9 28.9	21.3 25.6 25.7 23.6 18.4 16.4 13.2 17.9 19.7 20.2 19.1 21.9 28.9	36.67 36.27 36.34 36.05 36.69 36.24 36.56 32.30 27.12 35.46 36.58	36.63 36.35 36.32 36.05 36.62 36.27 36.49 32.23 26.91 35.59 36.55 36.71 36.18	36.64 36.41 36.36 35.94 36.60 36.24 36.48 35.88 33.32 35.53 36.62 36.71	36.43 36.33 35.88 36.66 36.31 36.49 36.71 36.00 36.32 36.61 36.63 36.16	36.33 36.48 36.52 36.13 36.63 36.62 36.50 36.57 36.48 36.54 36.63 36.30			
11 12 13 15 16 17 18 19 20 21	4 2 22 29 20 17 24 26 18 31 26 30	11 12 12 1 3 4 5 6 7 8 9	1963 1963 1963 1964 1964 1964 1964 1964 1964 1964 1964	27.9 25.6 22.8 19.8 16.7 14.6 20.6 25.8 27.7 27.4 27.8 28.8 24.6	27.9 25.6 12.8 19.8 16.7 14.5 20.6 25.7 27.7 27.3 27.7 28.8 24.7	29.1 27.9 25.7 22.8 19.3 16.7 14.4 19.3 25.1 27.4 23.6 27.6 28.8 24.7	24.1 27.9 25.7 22.6 18.7 16.8 14.3 20.3 22.9 22.2 21.5 24.4 24.8	21.4 27.6 25.7 22.8 18.6 16.4 00.0 17.9 20.3 20.3 19.1 21.9 28.9 25.0	21.3 25.6 25.7 23.6 18.4 16.4 13.2 17.9 19.7 20.2 19.1 21.9 28.9 25.0	36.67 36.27 36.34 36.05 36.69 36.24 36.56 32.30 27.12 35.46 36.58 36.70 36.15	36.63 36.35 36.32 36.05 36.62 36.27 36.49 32.23 26.91 35.59 36.55 36.71 36.18 35.72	36.64 36.41 36.36 35.94 36.60 36.24 36.48 35.88 33.32 35.53 36.62 36.71 36.32 36.05	36.43 36.46 36.33 35.88 36.66 36.31 36.49 36.71 36.00 36.32 36.61 36.63 36.16 35.99	36.33 36.48 36.52 36.13 36.63 36.62 36.50 36.57 36.48 36.54 36.54 36.53 36.54			
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