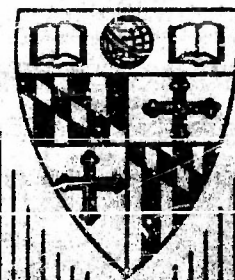


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**THE CHESAPEAKE BAY INSTITUTE  
of The Johns Hopkins University**



**DATA REPORT 16**

**PATUXENT RIVER  
SPRING CRUISE**

**3 April - 8 April 1952**

**November 1953  
Reference 53-14**

CHESAPEAKE BAY INSTITUTE  
THE JOHNS HOPKINS UNIVERSITY

DATA REPORT 16

PATUXENT RIVER-SPRING CRUISE  
3 April - 8 April 1952

This report contains results of work carried out for: the Office of Naval Research of the Navy Department under research project NR 083-016, Contract Nonr 248(20), and research project NR 083-070, Contract Nonr 248(30); the State of Maryland (Department of Research and Education); and the Commonwealth of Virginia (Virginia Fisheries Laboratory).

November 1953  
Reference 53-14

D. W. Pritchard  
Director

The data presented in this report were collected in the Patuxent River during the period 3 April to 8 April 1952.

The purpose of this cruise was to study the physical and chemical structure of the area in the spring season.

The presentation of data in this report does not constitute publication and the information may be subject to modification at a later date.

#### Location of Stations

An arbitrary line designating the mouth of the river was chosen from Little Cove Point to Cedar Point. The stations were chosen upstream from this line in the deepest part of the channel. The station designators consist of the letters PX followed by the numerals representing the number of miles (nautical) to the nearest mile upstream from the mouth of the river. Thus PX-21 is the station 21 miles upstream from the line designating the mouth of the river.

#### Observations

Current speed and direction were measured with the confined submerged drags described in Chesapeake Bay Institute Technical Report No. 1.

Temperature and salinity were determined by means of the Conductivity-Temperature-Indicator (CTI). (See Data Report 13, reference 53-4.)

Oxygen was determined by the modified Winkler titration method.

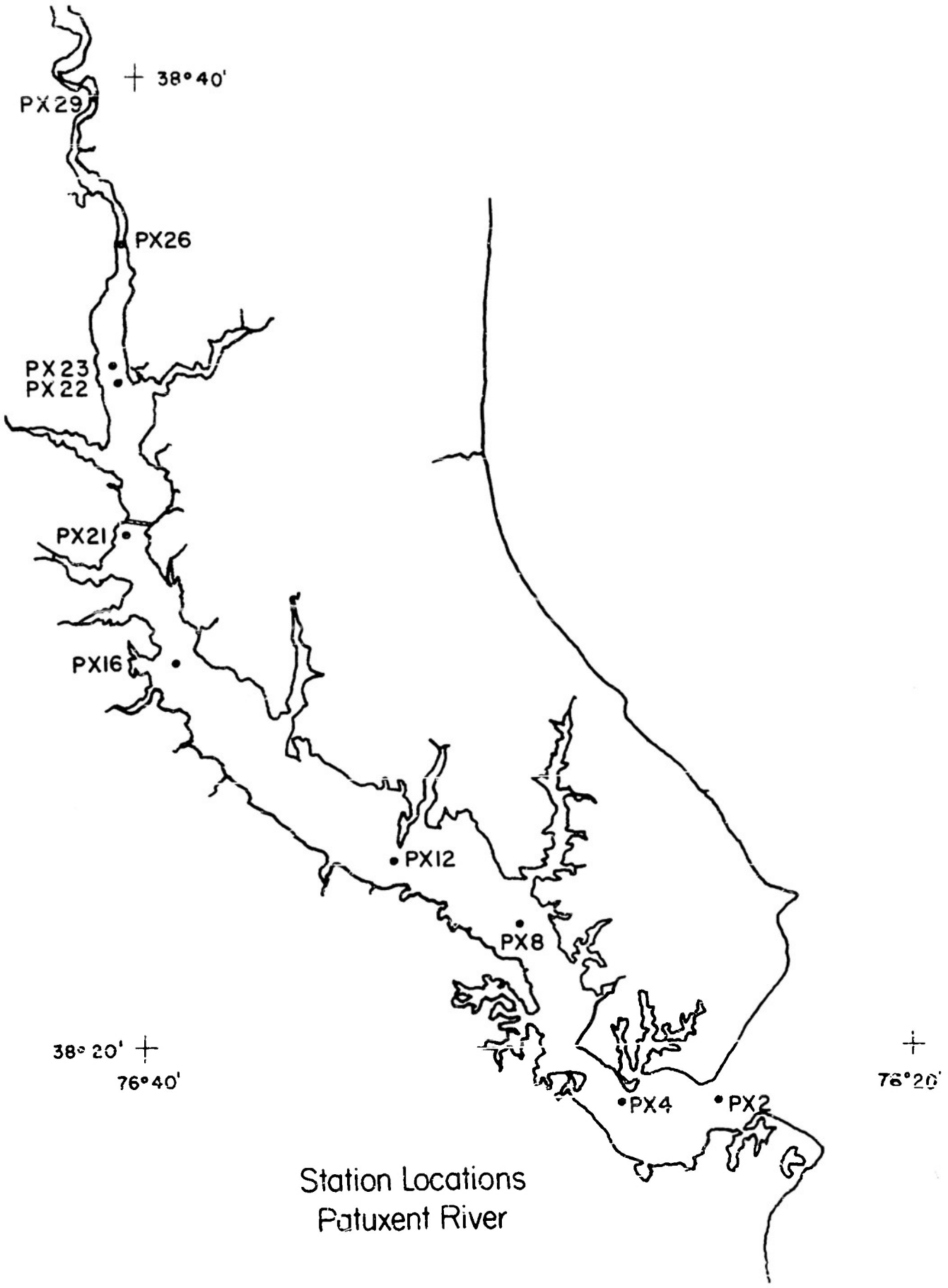
pH was determined with a Beckman pH meter.

Turbidity, inorganic phosphate, and chlorophyll were determined by the methods outlined in Data Report 12, reference 52-21.

Alkalinity was determined by the method found in Industrial and Engineering Chemistry, Analytical Edition, Volume 18, No 12, 1946.

Weather is reported in U. S. Weather Bureau code.

Wind force is given in Beaufort scale units.



Station Locations  
Patuxent River

## Section A

## Salinity, Temperature, Current, and Meteorological Data

PX-2 3 Apr 52		1300 EST Depth 54'		Weather 01 Wind W-3 Air 13.9°C	
Depth (ft)	Temp (°C)	Sal (c/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.19	10.42	079	0.41	
5	10.10	10.44	078	0.34	
10	9.68	10.50	080	0.39	
15	9.52	10.58	082	0.31	
20	9.38	10.68	081	0.18	
25	9.34	10.72	071	0.29	
30	9.28	10.77	081	0.18	
35	8.74	11.07	079	0.37	
40	7.73	11.91	085	0.26	
45	7.29	12.31	091	0.16	
48	--	--	081	0.11	
50	6.91	12.70	--	--	
51	6.90	12.72	--	--	

PX-2 3 Apr 52		1500 EST Depth 54'		Weather 01 Wind W-3 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (c/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.52	10.42	038	0.47	
5	10.44	10.45	065	0.34	
10	9.99	10.47	058	0.26	
15	9.51	10.63	033	0.22	
20	9.41	10.67	101	0.23	
25	9.22	10.77	093	0.20	
30	8.97	10.95	081	0.15	
35	7.99	11.49	246	0.12	
40	7.30	12.15	241	0.20	
45	6.98	12.56	263	0.27	
50	6.92	12.63	223	0.23	
53	6.89	12.74	--	--	

PX-2 3 Apr 52		1400 EST Depth 54'		Weather 00 Wind W-2 Air 13.9°C	
Depth (ft)	Temp (°C)	Sal (c/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.37	10.35	098	0.24	
5	10.34	10.37	108	0.24	
10	10.21	10.38	091	0.21	
15	9.61	10.43	093	0.20	
20	9.21	10.70	083	0.12	
25	9.17	10.77	098	0.12	
30	8.99	10.89	105	0.27	
35	8.29	11.27	087	0.20	
40	7.44	12.00	0	0.00	
45	6.99	12.53	255	0.11	
50	6.83	12.72	218	0.15	
51	6.80	12.75	213	0.19	

PX-2 3 Apr 52		1600 EST Depth 54'		Weather 01 Wind W-3 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (c/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.41	10.40	123	0.20	
5	10.39	10.41	083	0.22	
10	10.18	10.48	051	0.18	
15	9.63	10.58	106	0.11	
20	9.47	10.63	123	0.12	
25	8.56	11.04	055	0.15	
30	8.33	11.35	086	0.20	
35	7.82	11.75	308	0.32	
40	7.43	12.12	253	0.34	
45	7.28	12.31	193	0.37	
50	6.99	12.59	203	0.34	
53	6.98	12.63	--	--	

PX-2 3 Apr 52		1700 EST Depth 54'		Weather 02 Wind W-2 Air 15.6 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.27	10.46	070	0.18	
5	10.25	10.48	0	0.00	
10	10.16	10.51	0	0.00	
15	9.41	10.65	250	0.29	
20	8.68	11.14	251	0.39	
25	8.45	11.26	250	0.41	
30	8.44	11.28	251	0.45	
35	7.99	11.60	249	0.56	
40	7.59	11.97	239	0.59	
45	7.32	12.31	235	0.52	
50	7.06	12.54	227	0.45	
53	7.05	12.54	229	0.43	

PX-2 3 Apr 52		1900 EST Depth 54'		Weather 01 Wind SSE-3 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.11	10.44	257	0.22	
5	10.06	10.52	257	0.29	
10	9.89	10.62	257	0.39	
15	9.58	10.70	252	0.51	
20	9.21	10.80	253	0.54	
25	9.10	10.83	252	0.58	
30	9.02	10.86	252	0.59	
35	8.80	10.92	247	0.59	
40	7.72	11.87	248	0.56	
45	7.53	12.12	252	0.43	
50	7.25	12.40	252	0.34	
52½	7.19	12.49	--	--	

PX-2 3 Apr 52		1800 EST Depth 54'		Weather 00 Wind SE-3 Air 15.6 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.22	10.47	0	0.00	
5	10.23	10.50	241	0.18	
10	9.57	10.70	242	0.41	
15	9.25	10.80	243	0.51	
20	8.98	10.96	243	0.54	
25	8.87	10.98	241	0.54	
30	8.29	11.28	241	0.58	
35	8.27	11.35	241	0.56	
40	7.86	11.75	243	0.56	
45	7.45	12.12	243	0.45	
50	7.17	12.43	231	0.39	
53	7.13	12.48	241	0.31	

PX-2 3 Apr 52		2000 EST Depth 54'		Weather 02 Wind SSE-2 Air 11.7 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.12	10.50	257	0.26	
5	10.11	10.50	258	0.31	
10	10.12	10.51	252	0.29	
15	10.11	10.51	257	0.34	
20	10.03	10.53	252	0.45	
25	9.69	10.61	252	0.45	
30	9.61	10.64	248	0.49	
35	9.39	10.70	247	0.59	
40	7.89	11.67	242	0.49	
45	7.67	11.98	253	0.31	
50	7.35	12.34	253	0.18	
52	7.16	12.53	--	--	

PX-2 3 Apr 52		2100 EST Depth 54'		Weather 01 Wind SSE-3 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.20	10.16	274	0.29	
5	10.15	10.23	265	0.41	
10	10.02	10.52	268	0.41	
15	9.98	10.57	261	0.51	
20	9.98	10.58	260	0.51	
25	9.87	10.62	260	0.51	
30	9.66	10.68	259	0.51	
35	8.36	11.20	260	0.29	
40	7.86	11.75	254	0.18	
45	7.61	12.07	348	0.12	
50	7.43	12.26	348	0.12	
53	7.17	12.48	--	--	

PX-2 3 Apr 52		2300 EST Depth 54'		Weather 01 Wind SSE-3 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.19	9.80	253	0.14	
5	10.21	9.80	254	0.09	
10	10.23	10.21	065	0.14	
15	10.12	10.42	063	0.16	
20	10.14	10.45	082	0.24	
25	10.14	10.45	144	0.28	
30	10.15	10.45	139	0.34	
35	9.93	10.67	139	0.41	
40	9.32	10.87	130	0.41	
45	8.45	11.32	067	0.29	
50	7.14	12.50	059	0.41	
53	7.06	12.60	--	--	

PX-2 3 Apr 52		2200 EST Depth 55'		Weather 01 Wind SSE-3 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.23	9.75	255	0.25	
5	10.24	9.79	247	0.26	
10	10.23	9.79	255	0.20	
15	10.23	9.81	255	0.19	
20	10.18	10.26	251	0.09	
25	10.09	10.37	071	0.09	
30	9.93	10.56	061	0.11	
35	9.75	10.63	048	0.19	
40	9.05	10.88	047	0.11	
45	8.10	11.51	251	0.14	
50	7.57	12.16	256	0.19	
54	7.00	12.66	--	--	

PX-2 4 Apr 52		0000 EST Depth 53'		Weather 01 Wind SSE-2 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.18	9.80	0	0.00	
5	10.15	10.15	071	0.22	
10	10.08	10.33	081	0.41	
15	10.05	10.40	081	0.51	
20	9.94	10.57	081	0.52	
25	9.93	10.58	083	0.51	
30	9.92	10.60	082	0.59	
35	9.90	10.63	083	0.59	
40	9.86	10.64	083	0.51	
45	9.19	10.93	073	0.41	
50	7.11	12.50	073	0.43	
53	7.03	12.63	--	--	

PX-2 4 Apr 52		0100 EST Depth 54'		Weather 02 Wind SE-1 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal. (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.09	9.87	233	0.18	
5	10.16	10.18	233	0.31	
10	10.14	10.39	193	0.34	
15	10.12	10.42	253	0.37	
20	10.03	10.54	253	0.37	
25	9.96	10.59	243	0.37	
30	9.94	10.60	243	0.41	
35	9.92	10.61	243	0.41	
40	9.68	10.59	243	0.43	
45	8.66	11.21	233	0.51	
50	7.65	12.02	233	0.43	
53	7.03	12.63	233	0.47	

PX-2 4 Apr 52		0300 EST Depth 54'		Weather 03 Wind SE-1 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.08	10.40	253	0.14	
5	10.11	10.43	253	0.11	
10	10.12	10.51	253	0.20	
15	10.10	10.51	243	0.22	
20	10.10	10.51	243	0.24	
25	10.08	10.52	243	0.24	
30	9.98	10.60	243	0.24	
35	9.02	11.02	243	0.27	
40	8.41	11.40	233	0.22	
45	7.78	11.95	210	0.11	
50	7.31	12.33	212	0.19	
53	7.12	12.54	212	0.12	

PX-2 4 Apr 52		0200 EST Depth 54'		Weather 01 Wind SE-1 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.01	9.90	254	0.18	
5	10.10	10.25	253	0.37	
10	10.16	10.43	254	0.43	
15	10.16	10.50	265	0.43	
20	10.11	10.49	263	0.45	
25	10.08	10.51	253	0.39	
30	9.86	10.62	245	0.37	
35	9.81	10.64	245	0.43	
40	9.22	10.85	245	0.41	
45	8.20	11.55	245	0.34	
50	7.22	12.45	243	0.22	
53	7.13	12.55	243	0.26	

PX-2 4 Apr 52		0400 EST Depth 54'		Weather 03 Wind SE-1 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.06	10.03	255	0.15	
5	10.08	10.41	0	0.00	
10	10.07	10.49	038	0.11	
15	10.06	10.51	038	0.12	
20	10.05	10.53	038	0.14	
25	10.04	10.53	038	0.09	
30	9.35	10.90	0	0.00	
35	8.56	11.40	263	0.09	
40	7.85	11.88	265	0.11	
45	7.31	12.36	258	0.21	
50	7.19	12.53	258	0.20	
53	7.19	12.57	258	0.16	

PX-2 4 Apr 52		0500 EST Depth 54'		Weather 03 Wind 0 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal. (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.03	9.72	259	0.32	
5	10.11	10.30	268	0.29	
10	10.08	10.47	270	0.28	
15	10.07	10.50	270	0.22	
20	9.95	10.60	258	0.19	
25	9.30	10.90	268	0.16	
30	8.03	11.64	268	0.21	
35	7.63	12.05	268	0.23	
40	7.59	12.07	248	0.28	
45	7.57	12.08	248	0.31	
50	7.21	12.44	248	0.32	
53	7.13	12.52	248	0.31	

PX-2 4 Apr 52		0700 EST Depth 58'		Weather 02 Wind SE-1 Air --	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.07	9.55	248	0.41	
5	10.10	9.63	248	0.74	
10	10.08	9.93	248	0.58	
15	10.10	10.47	248	0.49	
20	10.10	10.50	268	0.41	
25	9.78	10.68	278	0.39	
30	8.31	11.46	283	0.34	
35	7.76	11.95	278	0.31	
40	7.50	12.16	273	0.31	
45	7.36	12.33	273	0.31	
50	7.34	12.35	273	0.26	
56	7.28	12.42	--	--	

PX-2 4 Apr 52		0600 EST Depth 54'		Weather 02 Wind 0 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.07	9.63	261	0.62	
5	10.04	9.95	261	0.64	
10	10.11	10.37	271	0.54	
15	10.08	10.49	271	0.45	
20	9.76	10.65	271	0.39	
25	9.18	10.96	271	0.34	
30	8.11	11.61	281	0.26	
35	8.02	11.72	271	0.31	
40	7.68	12.02	261	0.39	
45	7.41	12.25	261	0.41	
50	7.35	12.33	261	0.37	
53	7.27	12.40	251	0.37	

PX-2 4 Apr 52		0800 EST Depth 58'		Weather 02 Wind E-1 Air 13.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.12	9.47	270	0.37	
5	10.17	9.62	250	0.70	
10	10.16	9.70	250	0.67	
15	10.14	10.11	250	0.61	
20	10.11	10.47	250	0.41	
25	9.86	10.64	255	0.41	
27	8.03	11.76	--	--	
30	8.89	11.50	260	0.31	
35	7.77	11.95	265	0.26	
40	7.68	12.02	275	0.09	
45	7.45	12.28	0	0.00	
50	7.39	12.32	0	0.00	
55	7.32	12.49	0	0.00	
58	7.32	12.54	--	--	

PX-2 4 Apr 52		0900 EST Depth 58'		Weather 02 Wind E-1 Air 13.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.30	9.42	270	0.29	
5	10.08	9.60	250	0.59	
10	10.12	9.97	250	0.58	
15	10.12	10.02	250	0.51	
20	9.99	10.52	250	0.27	
25	8.91	11.07	250	0.21	
30	7.99	11.71	0	0.00	
35	7.83	11.87	0	0.00	
40	7.60	12.44	0	0.00	
45	7.39	12.36	010	0.09	
50	7.23	12.45	015	0.09	
55	7.22	12.45	010	0.09	
57 1/2	7.15	12.51	--	--	

PX-2 4 Apr 52		1100 EST Depth 58'		Weather 02 Wind E-1 Air 13.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.62	9.55	239	0.15	
5	10.22	10.17	009	0.06	
10	10.14	10.27	0	0.00	
15	10.10	10.42	103	0.14	
20	9.89	10.57	113	0.23	
25	9.18	10.94	093	0.21	
30	8.31	11.50	043	0.16	
35	8.09	11.67	043	0.15	
40	7.81	11.90	042	0.20	
45	7.45	12.25	052	0.24	
50	7.32	12.35	061	0.24	
55	7.28	12.40	071	0.21	
57	7.25	12.43	--	--	

PX-2 4 Apr 52		1000 EST Depth 58'		Weather 02 Wind E-1 Air 12.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.50	9.46	263	0.25	
5	10.17	9.51	263	0.24	
10	10.13	10.03	258	0.20	
15	10.10	10.12	259	0.14	
20	10.05	10.51	188	0.09	
25	8.83	11.18	128	0.15	
30	8.10	11.65	108	0.11	
35	8.00	11.78	088	0.11	
40	7.66	12.00	0	0.00	
45	7.46	12.26	029	0.20	
50	7.20	12.45	028	0.20	
55	7.17	12.50	019	0.14	
57 1/2	7.16	--	--	--	

PX-2 4 Apr 52		1200 EST Depth 54'		Weather 02 Wind ESE-2 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.78	9.52	0	0.00	
5	10.29	10.12	070	0.20	
10	10.29	10.28	140	0.45	
15	10.08	10.42	089	0.61	
20	9.88	10.62	079	0.54	
25	9.34	10.88	069	0.43	
30	8.34	11.45	060	0.37	
35	8.02	11.73	060	0.31	
40	7.89	11.85	060	0.29	
45	7.49	12.22	060	0.26	
50	7.46	12.23	060	0.22	
53	7.33	12.32	--	--	

PX-4 3 Apr 52		1300 EST Depth 61'		Weather 00 Wind W-2 Air 16.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.49	10.32	143	0.54	
5	10.49	10.40	146	0.65	
10	10.29	10.43	147	0.46	
15	10.15	10.48	126	0.77	
20	9.17	10.84	122	0.41	
25	8.54	11.22	117	0.41	
30	7.68	11.87	116	0.54	
35	7.27	12.32	107	0.46	
40	7.19	12.44	111	0.35	
45	7.17	12.50	0	0.00	
50	7.01	12.93	0	0.00	
55	6.89	12.90	0	0.00	

PX-4 3 Apr 52		1500 EST Depth 61'		Weather 00 Wind W-3 Air 21.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.85	10.32	--	--	
5	10.87	10.30	153	0.68	
10	10.51	10.41	145	0.41	
15	9.48	10.75	130	0.39	
20	8.62	11.16	118	0.26	
25	8.29	11.40	125	0.26	
30	7.94	11.67	123	0.34	
35	7.55	12.03	125	0.26	
40	7.13	12.52	307	0.22	
45	6.92	12.89	--	--	
50	6.89	12.94	53	0.22	
55	6.87	12.96	--	--	

PX-4 3 Apr 52		1400 EST Depth 61'		Weather 00 Wind W-2 Air 16.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.77	10.36	137	0.61	
5	10.71	10.36	138	0.68	
10	10.39	10.38	156	0.65	
15	9.70	10.65	155	0.35	
20	8.97	10.99	95	0.35	
25	8.48	11.24	87	0.30	
30	7.72	11.87	119	0.28	
35	7.51	12.07	130	0.25	
40	7.29	12.22	94	0.23	
45	7.21	12.43	104	0.22	
50	7.13	12.58	113	0.15	
55	6.93	12.88	113	0.20	

PX-4 3 Apr 52		1600 EST Depth 61'		Weather 00 Wind W-3 Air 22.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.04	10.25	128	0.67	
5	11.06	10.24	134	0.52	
10	10.55	10.45	187	0.37	
15	9.92	10.65	182	0.26	
20	9.53	10.81	226	0.22	
25	8.78	11.11	315	0.14	
30	8.38	11.39	232	0.20	
35	7.57	11.95	316	0.12	
40	7.33	12.15	305	0.24	
45	6.89	12.90	296	0.14	
50	6.89	12.96	307	0.21	
55	6.89	12.96	303	0.21	

PX-4 3 Apr 52		1700 EST Depth 61'		Weather 01 Wind W-2 Air 16.1 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.06	10.23	113	0.68	
5	11.06	10.23	118	0.76	
10	11.01	10.25	198	0.70	
15	10.13	10.62	209	0.73	
20	9.62	10.75	215	0.71	
25	8.86	11.11	235	0.73	
30	8.66	11.22	243	0.58	
35	8.12	11.52	293	0.37	
40	7.96	11.68	294	0.29	
45	7.23	12.35	292	0.31	
50	6.94	12.82	298	0.37	
55	6.91	12.92	303	0.37	

PX-4 3 Apr 52		1900 EST Depth 61'		Weather 00 Wind S-1 Air 12.2 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.15	10.52	308	0.34	
5	10.22	10.61	295	0.43	
10	10.02	10.64	293	0.41	
15	9.66	10.75	289	0.31	
20	9.05	10.93	298	0.29	
25	8.93	11.00	299	0.29	
30	8.87	11.05	293	0.34	
35	8.41	11.30	303	0.37	
40	7.84	11.75	302	0.39	
45	7.35	12.36	304	0.37	
50	7.13	12.58	303	0.31	
55	6.96	12.85	305	0.22	

PX-4 3 Apr 52		1800 EST Depth 61'		Weather 00 Wind W-1 Air 17.8 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.05	10.59	278	0.41	
5	10.05	10.59	277	0.41	
10	10.07	10.61	281	0.39	
15	10.05	10.63	284	0.34	
20	9.36	10.78	288	0.34	
25	8.82	11.07	291	0.39	
30	8.74	11.15	292	0.47	
35	8.35	11.40	286	0.49	
40	7.83	11.81	286	0.43	
45	7.37	12.22	283	0.29	
50	7.05	12.63	284	0.26	
55	6.93	12.85	0	0.00	

PX-4 3 Apr 52		2000 EST Depth 61'		Weather 00 Wind S-1 Air 12.2 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.13	10.66	330	0.19	
5	10.14	10.66	288	0.18	
10	10.14	10.66	289	0.24	
15	10.01	10.69	289	0.23	
20	9.25	10.92	283	0.18	
25	9.19	10.93	281	0.19	
30	9.18	10.93	272	0.22	
35	8.82	11.20	288	0.23	
40	7.31	12.42	332	0.20	
45	7.15	12.64	341	0.19	
50	7.04	12.75	330	0.11	
55	6.98	12.92	331	0.06	

PX-4 3 Apr 52		2100 EST Depth 61'		Weather 00 Wind S-3 Air 12.8 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.21	10.59	0	0.00	
5	10.21	10.59	343	0.15	
10	10.17	10.59	333	0.18	
15	10.13	10.58	0	0.00	
20	10.12	10.60	0	0.00	
25	9.67	10.74	0	0.00	
30	9.44	10.77	0	0.00	
35	8.87	11.08	246	0.28	
40	7.32	12.29	--	--	
45	7.10	12.62	--	--	
50	7.03	12.75	--	--	
55	6.99	12.82	--	--	

PX-4 3 Apr 52		2300 EST Depth		Weather 00 Wind S-4 Air	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.15	10.60	--	--	
5	10.23	10.56	--	--	
10	10.26	10.56	--	--	
15	10.18	10.58	--	--	
20	9.88	10.76	--	--	
25	9.36	10.99	--	--	
30	8.19	11.60	--	--	
35	8.12	11.65	--	--	
40	7.88	11.77	--	--	
45	7.82	11.83	--	--	
50	7.65	12.02	--	--	
55	7.46	12.22	--	--	

PX-4 3 Apr 52		2200 EST Depth 61'		Weather 00 Wind S-4 Air 12.2 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.10	10.62	--	--	
5	10.09	10.62	--	--	
10	10.09	10.62	--	--	
15	10.07	10.63	--	--	
20	10.01	10.66	--	--	
25	9.78	10.67	--	--	
30	9.39	10.86	--	--	
35	8.32	11.17	--	--	
40	7.61	12.05	--	--	
45	7.49	12.22	--	--	
50	7.14	12.62	--	--	
55	7.10	12.69	--	--	

PX-4 4 Apr 52		0000 EST Depth 61'		Weather 00 Wind S-1 Air 11.1 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.32	10.50	0	0.00	
5	10.32	10.50	061	0.20	
10	10.32	10.50	088	0.28	
15	10.28	10.54	128	0.32	
20	9.78	10.63	134	0.51	
25	8.73	11.25	125	0.51	
30	8.52	11.33	121	0.41	
35	8.19	11.59	129	0.41	
40	8.18	11.61	134	0.45	
45	7.93	11.83	133	0.54	
50	7.52	12.17	135	0.13	
55	7.11	12.62	141	0.13	

PX-4 4 Apr 52		0105 EST Depth 61'		Weather 01 Wind S-2 Air 11.1 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.29	10.49	46	0.26	
5	10.29	10.48	59	0.29	
10	10.29	10.49	137	0.56	
15	10.25	10.47	135	0.56	
20	9.05	10.96	131	0.49	
25	9.01	11.01	121	0.47	
30	8.60	11.25	103	0.41	
35	8.24	11.52	67	0.31	
40	7.98	11.78	62	0.34	
45	7.29	12.42	62	0.26	
50	7.23	12.57	49	0.26	
55	7.13	12.87	50	0.26	

PX-4 4 Apr 52		0305 EST Depth 61'		Weather 03 Wind 0 Air 11.1 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.14	10.50	--	--	
5	10.15	10.51	--	--	
10	10.15	10.51	--	--	
15	10.12	10.55	--	--	
20	9.10	10.92	--	--	
25	9.07	11.03	--	--	
30	7.92	11.72	--	--	
35	7.56	12.19	--	--	
40	7.31	12.52	--	--	
45	7.12	12.72	--	--	
50	7.09	12.77	55	0.11	
55	7.07	12.78	--	--	

PX-4 4 Apr 52		0205 EST Depth 61'		Weather 01 Wind S-2 Air 10.5 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.21	10.45	46	0.22	
5	10.23	10.45	69	0.29	
10	10.23	10.45	132	0.31	
15	10.13	10.50	135	0.41	
20	9.10	10.92	129	0.41	
25	8.60	11.18	121	0.45	
30	8.27	11.47	127	0.41	
35	7.73	11.95	134	0.37	
40	7.19	12.55	0	0.00	
45	7.17	12.60	0	0.00	
50	7.12	12.66	0	0.00	
55	7.07	12.76	0	0.00	

PX-4 4 Apr 52		0400 EST Depth 61'		Weather 03 Wind 0 Air 12.2 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.12	10.51	0	0.00	
5	10.12	10.52	177	0.12	
10	10.12	10.52	181	0.14	
15	10.00	10.56	249	0.16	
20	9.78	10.75	251	0.18	
25	9.03	11.07	0	0.00	
30	8.20	11.50	0	0.00	
35	8.00	11.54	0	0.00	
40	7.29	12.50	0	0.00	
45	7.15	12.70	0	0.00	
50	7.12	12.72	0	0.00	
55	7.11	12.74	0	0.00	

PX-4 4 Apr 52		0505 EST Depth 61'		Weather 03 Wind 0 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.29	10.37	285	0.32	
5	10.13	10.43	277	0.25	
10	10.07	10.51	257	0.28	
15	10.06	10.52	257	0.30	
20	10.04	10.53	257	0.27	
25	9.66	10.68	261	0.24	
30	8.95	11.02	278	0.14	
35	7.91	11.82	277	0.11	
40	7.67	12.07	275	0.14	
45	7.07	12.78	271	0.21	
50	7.05	12.81	265	0.15	
55	7.05	12.81	258	0.14	

PX-4 4 Apr 52		0700 EST Depth 61'		Weather 03 Wind ESE-1 Air 15.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.04	10.51	289	0.43	
5	10.04	10.52	287	0.43	
10	9.91	10.59	286	0.45	
15	9.61	10.72	286	0.45	
20	9.48	10.77	284	0.45	
25	9.44	10.78	284	0.45	
30	9.33	10.82	287	0.43	
35	8.97	10.97	290	0.43	
40	8.82	11.08	290	0.41	
45	7.54	12.17	288	0.37	
50	7.09	12.70	262	0.18	
55	7.05	12.76	205	0.22	

PX-4 4 Apr 52		0605 EST Depth 61'		Weather 02 Wind 0 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.99	10.56	241	0.61	
5	9.98	10.58	241	0.65	
10	9.90	10.61	243	0.52	
15	9.60	10.75	248	0.47	
20	9.56	10.78	246	0.34	
25	9.52	10.82	263	0.26	
30	8.54	11.29	263	0.31	
35	8.22	11.52	294	0.34	
40	8.16	11.56	297	0.32	
45	7.37	12.49	298	0.31	
50	7.07	12.81	293	0.33	
55	7.03	12.82	298	0.32	

PX-4 4 Apr 52		0800 EST Depth 61'		Weather 03 Wind ESE-1 Air 15.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.11	10.52	290	0.26	
5	10.04	10.54	289	0.37	
10	9.93	10.59	281	0.41	
15	9.93	10.59	284	0.39	
20	9.88	10.62	284	0.31	
25	9.39	10.80	282	0.34	
30	8.84	11.04	283	0.29	
35	8.69	11.12	287	0.26	
40	8.12	11.60	294	0.34	
45	7.25	12.50	296	0.39	
50	7.18	12.61	279	0.26	
55	7.09	12.72	204	0.26	

PX-4 4 Apr 52		0900 EST Depth 61'		Weather 03 Wind ESE-1 Air 15.6 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.31	9.89	271	0.54	
5	10.05	10.24	277	0.06	
10	10.04	10.53	270	0.06	
15	10.02	10.54	0	0.00	
20	9.98	10.55	0	0.00	
25	9.96	10.56	0	0.00	
30	9.34	10.80	255	0.06	
35	8.70	11.11	255	0.06	
40	8.38	11.34	255	0.12	
45	7.81	11.83	266	0.16	
50	7.33	12.39	269	0.16	
55	7.12	12.67	270	0.12	

PX-4 4 Apr 52		1100 EST Depth 61'		Weather 03 Wind SSE-1 Air 15.0 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.39	10.08	0	0.00	
5	10.25	10.12	0	0.00	
10	9.98	10.55	148	0.16	
15	9.99	10.59	--	--	
20	9.95	10.60	--	--	
25	9.75	10.72	--	--	
30	9.64	10.76	--	--	
35	9.57	10.78	--	--	
40	8.75	11.07	--	--	
45	7.31	12.29	--	--	
50	7.21	12.55	--	--	
55	7.13	12.65	--	--	

PX-4 4 Apr 52		1000 EST Depth 61'		Weather 03 Wind ESE-1 Air 14.4 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.35	9.98	268	0.23	
5	10.18	10.10	281	0.23	
10	10.05	10.48	218	0.09	
15	10.01	10.56	161	0.06	
20	9.98	10.57	118	0.09	
25	9.75	10.68	160	0.16	
30	9.37	10.84	170	0.16	
35	9.10	10.92	177	0.09	
40	8.44	11.23	0	0.00	
45	8.11	11.55	276	0.12	
50	7.24	12.43	295	0.09	
55	7.08	12.72	0	0.00	

PX-4 4 Apr 52		1200 EST Depth 61'		Weather 03 Wind SE-2 Air 16.1 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.50	10.25	118	0.22	
5	10.52	10.35	120	0.27	
10	10.46	10.49	207	0.52	
15	10.00	10.56	125	0.51	
20	9.81	10.64	117	0.49	
25	9.61	10.73	129	0.49	
30	9.40	10.85	--	--	
35	9.06	11.04	--	--	
40	8.64	11.25	--	--	
45	7.21	12.56	--	--	
50	7.17	12.65	--	--	
55	7.11	12.70	--	--	

PX-4 7 Apr 52		1900 EST Depth 60'		Weather 01 Wind NW-1 Air 10.0 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.60	10.67	149	0.61	
5	10.61	10.66	155	0.52	
10	10.50	10.74	167	0.52	
15	10.32	10.88	196	0.29	
20	10.05	11.04	245	0.29	
25	9.81	11.27	255	0.45	
30	9.70	11.38	255	0.45	
35	9.56	11.48	293	0.45	
40	9.46	11.55	294	0.43	
45	8.93	11.91	295	0.39	
50	8.71	12.13	293	0.34	
55	8.59	12.26	292	0.37	

PX-4 7 Apr 52		2100 EST Depth 60'		Weather 01 Wind NW-3 Air 8.9 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.75	10.67	--	--	
5	9.76	10.67	--	--	
10	9.77	10.68	--	--	
15	9.78	10.68	--	--	
20	9.80	10.70	--	--	
25	9.80	10.70	--	--	
30	9.81	10.74	--	--	
35	9.81	10.76	--	--	
40	9.75	10.97	--	--	
45	9.69	11.00	--	--	
50	9.65	11.04	--	--	
55	9.57	11.10	--	--	

PX-4 7 Apr 52		2000 EST Depth 60'		Weather 01 Wind NW-1 Air 8.9 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.46	10.43	0	0.00	
5	10.39	10.44	^	0.00	
10	10.02	10.58	232	0.49	
15	9.84	10.69	237	0.51	
20	9.81	10.75	248	0.61	
25	9.80	10.76	247	0.54	
30	9.79	10.81	239	0.59	
35	9.78	10.86	254	0.73	
40	9.73	10.93	247	0.61	
45	9.54	11.08	254	0.87	
50	9.43	11.22	240	0.64	
55	9.41	11.24	242	0.64	

PX-4 7 Apr 52		2200 EST Depth 59'		Weather 01 Wind NW-3 Air 7.8 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.01	10.64	15	0.26	
5	10.01	10.65	322	0.26	
10	10.02	10.66	281	0.43	
15	10.05	10.66	282	0.56	
20	10.04	10.65	280	0.52	
25	10.07	10.66	282	0.54	
30	10.10	10.70	280	0.58	
35	10.07	10.69	281	0.59	
40	10.02	10.71	280	0.61	
45	9.81	10.82	280	0.59	
50	9.78	10.83	278	0.58	
55	9.67	10.98	279	0.58	

PX-4 7 Apr 52		2300 EST Depth 60'		Weather 01 Wind NW-3 Air 7.8 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.43	10.37	--	--	
5	9.43	10.37	--	--	
10	9.43	10.37	289	0.51	
15	9.78	10.60	289	0.58	
20	9.89	10.62	287	0.51	
25	9.96	10.67	282	0.49	
30	10.04	10.65	289	0.29	
35	10.03	10.65	309	0.29	
40	10.05	10.67	281	0.29	
45	9.90	10.79	289	0.29	
50	9.78	10.83	227	0.31	
55	9.68	10.98	268	0.29	

PX-4 8 Apr 52		0100 EST Depth 60'		Weather - Wind - Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.05	9.97	--	--	
5	9.03	9.98	--	--	
10	9.06	9.97	--	--	
15	9.07	9.97	--	--	
20	9.37	10.10	--	--	
25	9.78	10.44	--	--	
30	10.04	10.59	--	--	
35	10.07	10.64	--	--	
40	9.96	10.70	--	--	
45	9.84	10.71	--	--	
50	9.66	10.92	--	--	
55	9.40	11.07	--	--	
58	9.09	11.42	--	--	

PX-4 7 Apr 52		0005 EST Depth 60'		Weather 01 Wind NW-3 Air 7.2 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.29	10.17	--	--	
5	9.29	10.18	--	--	
10	9.31	10.20	201	0.29	
15	9.47	10.30	265	0.41	
20	10.04	10.58	264	0.41	
25	10.10	10.62	302	0.31	
30	10.01	10.69	296	0.20	
35	9.88	10.75	293	0.18	
40	9.77	10.76	280	0.19	
45	9.68	10.75	259	0.15	
50	9.60	10.78	260	0.15	
55	9.64	10.87	0	0.00	

PX-4 8 Apr 52		0200 EST Depth 60'		Weather - Wind - Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.15	10.02	--	--	
5	9.52	10.24	--	--	
10	9.86	10.46	--	--	
15	10.01	10.53	--	--	
20	9.97	10.55	--	--	
25	9.94	10.56	--	--	
30	9.94	10.57	--	--	
35	9.96	10.64	--	--	
40	9.88	10.70	--	--	
45	9.40	11.15	--	--	
50	9.19	11.33	--	--	
55	9.09	11.40	--	--	

PX-4 8 Apr 52		0306 EST Depth 60'		Weather - Wind - Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.80	10.50	--	--	
5	9.86	10.50	--	--	
10	9.91	10.52	--	--	
15	10.01	10.53	--	--	
20	9.96	10.53	--	--	
25	10.05	10.58	--	--	
30	10.00	10.69	--	--	
35	9.70	10.92	--	--	
40	9.58	11.00	--	--	
45	9.48	11.12	--	--	
50	9.40	11.21	--	--	
55	9.29	11.30	--	--	
57	9.24	11.31	--	--	

PX-4 8 Apr 52		0500 EST Depth 60'		Weather - Wind - Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.05	10.42	--	--	
5	10.09	10.46	--	--	
10	10.07	10.51	--	--	
15	10.05	10.54	--	--	
20	10.05	10.56	--	--	
25	10.03	10.62	--	--	
30	9.82	10.87	--	--	
35	9.56	11.06	--	--	
40	9.53	11.13	--	--	
45	9.52	11.14	--	--	
50	9.50	11.16	--	--	
55	9.36	11.27	--	--	

PX-4 8 Apr 52		0400 EST Depth 60'		Weather - Wind - Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.90	10.52	--	--	
5	9.88	10.52	--	--	
10	9.86	10.53	--	--	
15	9.86	10.53	--	--	
20	9.86	10.53	--	--	
25	9.98	10.64	--	--	
30	9.90	10.73	--	--	
35	9.84	10.75	--	--	
40	9.60	11.00	--	--	
45	9.60	11.01	--	--	
50	9.54	11.08	--	--	
55	9.46	11.12	--	--	

PX-4 8 Apr 52		0600 EST Depth 60'		Weather - Wind - Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.23	10.27	--	--	
5	10.25	10.27	--	--	
10	10.25	10.29	--	--	
15	10.25	10.29	--	--	
20	10.21	10.34	--	--	
25	9.98	10.60	--	--	
30	9.70	10.90	--	--	
35	9.46	11.15	--	--	
40	9.31	11.26	--	--	
45	9.27	11.30	--	--	
50	9.21	11.35	--	--	
55	9.15	11.40	--	--	

PX-4 8 Apr 52		0715 EST Depth 60'		Weather 01 Wind W-2 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.13	10.08	142	0.41	
5	9.01	10.05	201	0.29	
10	9.37	10.25	204	0.41	
15	9.62	10.35	177	0.31	
20	9.61	10.40	177	0.22	
25	9.31	10.38	176	0.20	
30	9.46	10.77	155	0.16	
35	9.51	11.07	155	0.14	
40	9.44	11.22	155	0.12	
45	9.34	11.29	155	0.12	
50	9.21	11.43	158	0.14	
55	9.15	11.44	168	0.16	
57	9.09	11.48	--	--	

PX-4 8 Apr 52		0915 EST Depth 55'		Weather 01 Wind W-2 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.50	10.33	204	0.82	
5	9.46	10.33	235	0.67	
10	9.64	10.35	259	0.71	
15	9.62	10.40	259	0.71	
20	9.67	10.47	266	0.71	
25	9.67	10.50	274	0.67	
30	9.66	10.90	269	0.56	
35	9.65	10.96	295	0.51	
40	9.64	10.99	274	0.65	
45	9.60	11.02	280	0.70	
50	9.62	11.09	280	0.71	
55	9.38	11.22	276	0.70	
58	9.27	11.31	--	--	

PX-4 8 Apr 52		0807 EST Depth 60'		Weather 01 Wind W-3 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.36	10.17	167	0.22	
5	9.29	10.20	171	0.18	
10	9.30	10.20	216	0.31	
15	9.52	10.27	214	0.29	
20	9.43	10.42	213	0.22	
25	9.41	10.47	274	0.26	
30	9.40	10.49	275	0.29	
35	9.48	10.76	272	0.41	
40	9.51	10.98	271	0.41	
45	9.44	11.13	271	0.45	
50	9.30	11.30	271	0.45	
55	9.09	11.48	266	0.43	
57	9.06	11.48	--	--	

PX-4 8 Apr 52		1010 EST Depth 55'		Weather 01 Wind W-1 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.66	10.35	255	0.70	
5	9.65	10.35	280	0.68	
10	9.65	10.36	280	0.68	
15	9.68	10.42	307	0.64	
20	9.68	10.47	323	0.56	
25	9.78	10.70	317	0.43	
30	9.84	10.75	323	0.47	
35	9.84	10.80	311	0.52	
40	9.81	10.85	311	0.56	
45	9.77	10.92	302	0.59	
50	9.74	10.93	291	0.64	
55	9.69	10.99	313	0.62	
58	9.68	10.99	--	--	

PX-4 8 Apr 52		1113 EST Depth 55'		Weather 01 Wind N-2 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.54	10.16	214	0.62	
5	9.53	10.16	284	0.59	
10	9.56	10.22	292	0.62	
15	10.03	10.44	298	0.54	
20	10.05	10.50	305	0.52	
25	9.99	10.53	302	0.39	
30	9.98	10.56	303	0.37	
35	9.90	10.67	303	0.41	
40	9.88	10.72	297	0.51	
45	9.85	10.74	292	0.64	
50	9.81	10.76	291	0.64	
55	9.80	10.77	285	0.52	
58	9.79	10.78	--	--	

PX-4 8 Apr 52		1300 EST Depth 55'		Weather 01 Wind E-2 Air 10.6 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.67	9.59	271	0.58	
5	9.87	9.59	268	0.56	
10	9.82	10.35	267	0.45	
15	9.90	10.45	266	0.22	
20	9.88	10.50	297	0.12	
25	9.84	10.59	347	0.15	
30	9.84	10.61	355	0.16	
35	9.84	10.67	0	0.00	
40	9.80	10.71	0	0.00	
45	9.76	10.80	0	0.00	
50	9.58	10.97	117	0.12	
55	9.48	11.08	117	0.12	

PX-4 8 Apr 52		1208 EST Depth 55'		Weather 02 Wind NW-1 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.46	10.13	206	0.58	
5	9.42	10.08	275	0.51	
10	9.52	10.20	305	0.45	
15	9.94	10.42	321	0.29	
20	10.00	10.48	331	0.37	
25	9.99	10.50	324	0.39	
30	9.92	10.52	322	0.37	
35	9.88	10.60	320	0.41	
40	9.87	10.68	309	0.41	
45	9.85	10.69	297	0.43	
50	9.84	10.69	296	0.43	
55	9.84	10.69	294	0.41	
58	9.82	10.73	--	--	

PX-4 8 Apr 52		1400 EST Depth 55'		Weather 01 Wind E-2 Air 11.7 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.44	9.82	244	0.12	
5	9.44	9.86	243	0.20	
10	9.48	9.96	--	0.19	
15	9.72	10.32	--	--	
20	9.91	10.42	--	--	
25	9.99	10.45	--	--	
30	9.99	10.50	--	--	
35	9.85	10.58	--	--	
40	9.77	10.69	--	--	
45	9.69	10.78	--	--	
50	9.64	10.85	--	--	
55	9.46	11.01	--	--	

PX-4		1500 EST		Weather 01	
8 Apr 52		Depth 55'		Wind ESE-1 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.52	9.82	0	0.00	
5	10.02	10.14	97	0.20	
10	10.24	10.41	--	--	
15	10.24	10.43	--	--	
20	10.15	10.42	--	--	
25	10.10	10.44	--	--	
30	10.09	10.45	--	--	
35	10.05	10.46	--	--	
40	9.94	10.52	--	--	
45	9.88	10.58	--	--	
50	9.60	10.73	--	--	
55	9.56	10.97	--	--	

PX-4		1655 EST		Weather 03	
8 Apr 52		Depth 55'		Wind NE-1 Air 12.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.31	10.47	126	0.41	
5	10.24	10.55	117	0.58	
10	10.06	10.65	118	0.65	
15	10.05	10.66	116	0.62	
20	9.95	10.75	117	0.65	
25	9.89	10.76	116	0.62	
30	9.89	10.77	118	--	
35	9.85	10.73	112	0.62	
40	9.72	10.96	118	0.62	
45	9.64	11.05	104	0.62	
50	9.58	11.11	95	0.65	
55	9.48	11.23	93	0.61	

PX-4		1600 EST		Weather 01	
8 Apr 52		Depth 55'		Wind NE-1 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.71	10.02	125	0.47	
5	9.87	10.30	6	0.54	
10	9.96	10.32	115	0.58	
15	10.02	10.38	133	0.62	
20	10.04	10.41	127	0.67	
25	10.05	10.44	131	0.67	
30	10.02	10.40	132	0.67	
35	10.00	10.53	129	0.68	
40	9.96	10.57	131	0.68	
45	9.85	10.65	132	0.71	
50	9.67	10.80	123	0.73	
55	9.62	10.95	125	0.74	

PX-4		1740 EST		Weather 03	
8 Apr 52		Depth 65'		Wind NE-1 Air 13.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.37	10.32	55	0.47	
5	10.38	10.33	54	0.45	
10	10.37	10.35	56	0.43	
15	10.35	10.38	53	0.39	
20	10.27	10.44	150	0.62	
25	10.25	10.45	143	0.51	
30	9.70	10.78	138	0.39	
35	9.60	11.00	139	0.39	
40	9.59	11.01	137	0.37	
45	9.55	11.06	140	0.31	
50	9.46	11.17	141	0.34	
55	9.41	11.22	112	0.37	
58	--	--	354	0.34	

PX-8 4 Apr 52		1400 EST Depth 50'		Weather 03 Wind SE-3 Air 16.7 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.80	9.75	176	0.36	
5	11.77	9.77	177	0.42	
10	11.60	9.78	178	0.55	
15	10.98	10.07	176	0.50	
20	10.32	10.44	178	0.42	
25	9.15	11.14	176	0.36	
30	8.62	11.47	176	0.46	
35	7.76	12.12	178	0.55	
40	7.25	12.48	178	0.50	
45	7.22	12.50	174	0.42	
49	7.22	12.50	174	0.46	

Px-8 4 Apr 52		1600 EST Depth 50'		Weather 03 Wind SE-3 Air 17.2 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.89	9.75	0	0.00	
5	11.84	9.76	0	0.00	
10	11.05	9.97	0	0.00	
15	10.61	10.24	0	0.00	
20	10.48	10.33	191	0.36	
25	9.68	10.85	191	0.36	
30	9.32	11.02	192	0.46	
35	8.44	11.67	193	0.42	
40	7.58	12.24	161	0.59	
45	7.50	12.31	163	0.51	
49	7.47	12.33	163	0.39	

PX-8 4 Apr 52		1500 EST Depth 50'		Weather 03 Wind SE-3 Air 16.1 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.91	9.79	163	0.18	
5	11.90	9.79	163	0.39	
10	11.55	9.85	176	0.41	
15	10.83	10.15	180	0.41	
20	10.46	10.34	193	0.43	
25	9.73	10.78	193	0.39	
30	9.13	11.20	174	0.29	
35	8.33	11.70	178	0.56	
40	7.45	12.30	174	0.65	
45	7.38	12.37	163	0.59	
49	7.36	12.40	163	0.43	

PX-8 4 Apr 52		1700 EST Depth 50'		Weather 03 Wind SE-3 Air 15.6 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.95	9.75	323	0.26	
5	11.82	9.77	343	0.23	
10	11.71	9.80	323	0.19	
15	11.66	9.81	0	0.00	
20	10.62	10.21	175	0.22	
25	9.89	10.72	179	0.31	
30	9.00	11.23	175	0.43	
35	8.41	11.66	178	0.43	
40	7.63	12.19	178	0.37	
45	7.52	12.30	178	0.31	
49	7.51	12.30	178	0.22	

PX-8 4 Apr 52		1800 EST Depth 50'		Weather 03 Wind SE-3 Air 16.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.77	9.77	323	0.41	
5	11.70	9.79	338	0.45	
10	11.66	9.81	358	0.39	
15	11.05	10.07	345	0.29	
20	10.54	10.25	0	0.00	
25	9.45	10.93	163	0.22	
30	8.62	11.46	151	0.22	
35	8.16	11.89	153	0.29	
40	7.77	12.15	135	0.26	
45	7.68	12.20	0	0.00	
49	7.64	12.22	0	0.00	

PX-8 4 Apr 52		2006 EST Depth 51'		Weather 03 Wind SE-3 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.50	9.95	318	0.58	
5	11.47	9.98	318	0.51	
10	10.68	10.39	318	0.29	
15	10.12	10.62	319	0.41	
20	9.87	10.80	319	0.28	
25	9.48	10.97	324	0.20	
30	8.84	11.43	--	--	
35	8.24	12.21	0	0.00	
40	7.48	12.27	0	0.00	
45	7.38	12.30	0	0.00	
50	7.39	12.30	0	0.00	

PX-8 4 Apr 52		1900 EST Depth 51'		Weather 03 Wind SE-3 Air 15.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.64	9.87	321	0.59	
5	11.59	9.90	321	0.51	
10	11.07	10.12	319	0.39	
15	10.52	10.37	318	0.20	
20	9.95	10.77	317	0.14	
25	9.32	11.18	319	0.09	
30	8.58	11.63	0	0.00	
35	8.06	11.98	0	0.00	
40	7.47	12.33	0	0.00	
45	7.34	12.40	0	0.00	
49	7.34	12.40	0	0.00	

PX-8 4 Apr 52		2119 EST Depth 51'		Weather 02 Wind SE-3 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.32	10.07	320	0.65	
5	11.26	10.10	319	0.59	
10	10.19	10.57	317	0.37	
15	9.54	11.33	317	0.41	
20	8.71	11.47	317	0.29	
25	8.66	11.57	0	0.00	
30	8.12	11.90	0	0.00	
35	8.02	12.02	0	0.00	
40	7.63	12.23	308	0.15	
45	7.45	12.35	314	0.19	
49	7.42	12.37	314	0.15	

PX-8 4 Apr 52		2200 EST Depth 51'		Weather 03 Wind SE-3 Air 13.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.28	10.29	322	0.52	
5	11.07	10.30	326	0.59	
10	10.67	10.50	327	0.58	
15	8.97	11.43	326	0.22	
20	8.63	11.55	0	0.00	
25	8.61	11.60	0	0.00	
30	8.02	11.92	0	0.00	
35	7.74	12.22	0	0.00	
40	7.38	12.39	316	0.09	
45	7.35	12.41	315	0.09	
48	--	--	315	0.09	
49	7.36	12.41	--	--	

PX-8 5 Apr 52		0000 EST Depth 51'		Weather 03 Wind SSE-4 Air 15.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.61	10.48	068	0.09	
5	10.58	10.51	072	0.20	
10	10.51	10.53	068	0.24	
15	9.61	10.95	113	0.24	
20	9.29	11.08	114	0.28	
25	9.27	11.13	147	0.20	
30	8.94	11.37	148	0.24	
35	8.53	11.64	156	0.31	
40	7.72	12.15	160	0.29	
45	7.53	12.30	161	0.39	
49	7.44	12.37	162	0.31	

PX-8 4 Apr 52		2300 EST Depth 51'		Weather 03 Wind SE-3 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.19	10.32	316	0.29	
5	10.67	10.55	326	0.29	
10	10.61	10.57	336	0.29	
15	10.02	10.82	334	0.29	
20	9.15	11.22	141	0.12	
25	8.84	11.42	153	0.14	
30	8.69	11.57	143	0.20	
35	8.03	11.78	141	0.14	
40	7.64	12.27	140	0.09	
45	7.38	12.39	140	0.09	
48	--	--	143	0.09	
50	7.38	12.40	--	--	

PX-8 5 Apr 52		0100 EST Depth 50'		Weather 51 Wind SE-4 Air 15.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.57	10.38	117	0.29	
5	10.58	10.39	117	0.29	
10	10.59	10.40	117	0.59	
15	10.52	10.43	120	0.43	
20	9.84	10.80	123	0.22	
25	9.27	11.12	139	0.29	
30	9.12	11.21	153	0.39	
35	8.93	11.34	150	0.43	
40	8.59	11.56	163	0.43	
45	8.06	11.95	150	0.47	
49	7.51	12.32	148	0.29	

PX-8 5 Apr 52		0200 EST Depth 52'		Weather 03 Wind SE-3 Air 15.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.89	10.30	--	--	
5	10.89	10.30	111	0.51	
10	10.88	10.30	128	0.58	
15	10.54	10.48	130	0.51	
20	9.94	10.81	148	0.49	
25	9.49	11.00	145	0.45	
30	9.32	11.09	143	0.54	
35	9.10	11.22	153	0.56	
40	8.61	11.56	161	0.41	
45	7.93	12.02	161	0.29	
49	7.65	12.21	161	0.22	

PX-8 5 Apr 52		0400 EST Depth 50'		Weather 62 Wind SE-3 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.11	10.15	165	0.37	
5	11.10	10.15	120	0.31	
10	11.07	10.19	163	0.41	
15	10.84	10.44	193	0.22	
20	10.56	10.52	173	0.31	
25	10.20	10.70	141	0.29	
30	9.72	10.84	145	0.51	
35	9.26	11.10	139	0.56	
40	8.47	11.63	141	0.56	
45	7.83	12.09	141	0.41	
49	7.79	12.13	141	0.39	

PX-8 5 Apr 52		0300 EST Depth 50'		Weather 52 Wind SE-3 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.02	10.22	083	0.18	
5	11.00	10.22	148	0.22	
10	11.02	10.22	173	0.31	
15	11.02	10.23	168	0.37	
20	10.85	10.41	168	0.31	
25	10.29	10.66	173	0.29	
30	9.82	10.85	130	0.62	
35	9.13	11.16	138	0.84	
40	8.41	11.67	143	0.87	
45	7.63	12.24	143	0.66	
49	7.59	12.25	172	0.72	

PX-8 5 Apr 52		0500 EST Depth 50'		Weather 62 Wind SE-4 Air 12.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.06	10.12	303	0.26	
5	11.05	10.17	293	0.31	
10	10.94	10.33	133	0.41	
15	10.74	10.49	233	0.37	
20	10.08	10.73	208	0.41	
25	9.89	10.85	188	0.62	
30	9.61	10.97	138	0.50	
35	9.35	11.12	098	0.50	
40	8.37	11.75	193	0.75	
45	7.91	12.04	163	0.59	
49	7.85	12.10	153	0.46	

PX-8 5 Apr 52		0600 EST Depth 50'		Weather 62 Wind SE-4 Air 12.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.87	10.31	323	0.51	
5	10.75	10.35	338	0.59	
10	10.67	10.38	345	0.37	
15	10.58	10.42	328	0.39	
20	10.51	10.48	328	0.22	
25	10.33	10.75	166	0.22	
30	9.82	10.85	176	0.22	
35	9.58	10.95	178	0.37	
40	8.58	11.52	178	0.45	
45	8.03	11.96	165	0.31	
49	7.95	12.02	353	0.22	

PX-8 5 Apr 52		0800 EST Depth 51'		Weather 61 Wind ESE-1 Air 15.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.05	10.46	328	0.43	
5	10.62	10.57	324	0.41	
10	10.46	10.64	324	0.31	
15	10.46	10.64	328	0.29	
20	10.11	10.80	323	0.24	
25	9.18	11.22	325	0.15	
30	8.98	11.39	0	0.00	
35	8.71	11.55	0	0.00	
40	8.57	11.65	333	0.09	
45	8.01	11.00	328	0.00	
48	--	--	327	0.06	
49	8.00	12.00	--	--	

PX-8 5 Apr 52		0700 EST Depth 51'		Weather 61 Wind ESE-1 Air 15.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.62	10.44	331	0.59	
5	10.61	10.44	338	0.45	
10	10.59	10.45	326	0.56	
15	10.39	10.58	327	0.43	
20	10.22	10.71	323	0.34	
25	9.84	10.87	325	0.18	
30	9.41	11.13	193	0.26	
35	8.87	11.48	182	0.29	
40	8.26	11.81	157	0.29	
45	8.14	11.87	157	0.18	
49	7.84	12.08	--	--	

PX-8 5 Apr 52		0900 EST Depth 51'		Weather 67 Wind SSE-1 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.86	10.53	343	0.51	
5	10.38	10.75	342	0.49	
10	10.18	10.80	335	0.41	
15	10.14	10.81	331	0.41	
20	10.14	10.81	347	0.28	
25	10.07	10.86	333	0.21	
30	9.14	11.34	335	0.11	
35	8.31	11.75	332	0.09	
40	8.10	11.95	332	0.14	
45	7.78	12.12	333	0.12	
49	7.67	12.19	332	0.12	

PX-8 5 Apr 52		1000 EST Depth 51'		Weather 02 Wind SSE-2 Air 15.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.15	10.50	331	0.65	
5	10.23	10.75	335	0.58	
10	10.21	10.78	331	0.52	
15	10.14	10.80	328	0.56	
20	9.94	10.92	331	0.41	
25	9.69	11.02	331	0.27	
30	8.98	11.38	331	0.20	
35	8.33	11.75	0	0.00	
40	7.76	12.10	334	0.09	
45	7.63	12.23	336	0.09	
49	7.60	12.25	0	0.00	

PX-8 5 Apr 52		1200 EST Depth 51'		Weather 01 Wind SSE-4 Air 16.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.38	10.85	335	0.67	
5	10.30	10.85	335	0.41	
10	10.15	10.87	335	0.39	
15	9.86	10.95	335	0.26	
20	9.65	11.05	0	0.00	
25	9.35	11.24	329	0.12	
30	8.58	11.67	160	0.20	
35	8.22	11.84	0	0.00	
40	7.99	12.05	0	0.00	
45	7.66	12.20	153	0.09	
49	7.65	12.20	0	0.00	

PX-8 5 Apr 52		1100 EST Depth 51'		Weather 01 Wind SSE-3 Air 16.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.60	10.75	333	0.74	
5	10.51	10.78	334	0.65	
10	10.11	10.82	332	0.41	
15	9.83	10.95	333	0.43	
20	9.64	11.03	330	0.31	
25	9.45	11.16	330	0.28	
30	8.45	11.70	329	0.15	
35	8.20	11.84	325	0.11	
40	7.97	12.02	325	0.06	
45	7.76	12.13	328	0.12	
49	7.73	12.16	327	0.12	

PX-8 5 Apr 52		1300 EST Depth 50'		Weather 02 Wind SE-6 Air 18.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	10.37	10.84	338	0.39	
5	10.31	10.86	343	0.28	
10	10.31	10.86	338	0.20	
15	10.21	10.88	338	0.12	
20	10.16	10.87	325	0.11	
25	9.59	11.06	218	0.12	
30	9.45	11.13	161	0.28	
35	8.70	11.52	153	0.23	
40	8.59	11.60	131	0.21	
45	8.12	11.86	125	0.22	
49	7.67	12.18	0	0.00	

PX-12 4 Apr 52		1400 EST Depth 55'		Weather 03 Wind ESE-2 Air 16.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.21	9.39	--	--	
5	12.19	9.39	124	0.30	
10	11.06	9.89	123	0.38	
15	10.57	10.22	130	0.38	
20	10.43	10.28	122	0.38	
25	10.04	10.55	113	0.39	
30	8.62	11.52	141	0.38	
35	8.10	11.91	113	0.34	
40	7.86	12.16	119	0.30	
45	7.75	12.23	124	0.41	
50	--	--	132	0.24	

PX-12 4 Apr 52		1604 EST Depth 55'		Weather 03 Wind SSE-2 Air 18.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.11	9.42	114	0.35	
5	11.87	9.53	114	0.35	
10	11.54	9.66	118	0.41	
15	11.32	9.78	115	0.46	
20	9.96	10.60	115	0.41	
25	9.31	11.07	103	0.65	
30	8.89	11.47	107	0.41	
35	7.69	12.31	110	0.35	
40	7.42	12.47	0	0.00	
45	7.41	12.49	0	0.00	
50	7.40	12.49	0	0.00	

PX-12 4 Apr 52		1507 EST Depth 55'		Weather 03 Wind - Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.11	9.41	93	0.53	
5	11.89	9.48	94	0.53	
10	11.65	9.59	91	0.61	
15	10.95	9.96	91	0.61	
20	10.91	9.98	90	0.61	
25	10.49	10.26	91	0.61	
30	9.46	10.90	95	0.86	
35	8.82	11.42	89	0.86	
40	7.69	12.26	115	0.59	
45	7.69	12.27	120	0.65	
50	7.36	12.50	110	0.59	
55	7.35	12.50	109	0.54	

PX-12 4 Apr 52		1702 EST Depth 50'		Weather 03 Wind SE-2 Air 17.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.03	9.44	277	0.12	
5	11.89	9.52	203	0.11	
10	11.75	9.57	200	0.19	
15	11.28	9.85	203	0.14	
20	9.50	10.81	105	0.30	
25	9.01	11.23	113	0.70	
30	8.38	11.77	117	0.58	
35	7.59	12.37	113	0.29	
40	7.49	12.45	113	0.26	
45	7.43	12.49	111	0.26	
47	7.43	12.49	0	0.00	

PX-12 4 Apr 52		1800 EST Depth 50'		Weather 03 Wind SE-3 Air 10.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.27	9.43	298	0.45	
5	12.11	9.48	296	0.59	
10	10.95	10.02	296	0.29	
15	10.04	10.45	295	0.22	
20	9.44	10.87	0	0.00	
25	8.62	11.50	145	0.14	
30	8.20	11.90	208	0.12	
35	7.83	12.11	C	0.00	
40	7.71	12.21	296	0.12	
45	7.61	12.29	--	--	
50	7.55	12.35	--	--	

PX-12 4 Apr 52		2000 EST Depth 53'		Weather 03 Wind SE-3 Air 16.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.84	9.65	299	0.68	
5	11.84	9.65	298	0.68	
10	11.84	9.65	288	0.73	
15	11.84	9.65	288	0.61	
20	9.50	10.97	286	0.53	
25	8.09	12.00	309	0.19	
30	7.79	12.20	286	0.09	
35	7.60	12.36	267	0.12	
40	7.49	12.45	276	0.11	
45	7.46	12.50	285	0.11	
50	7.37	12.49	286	0.09	

PX-12 4 Apr 52		1900 EST Depth 56'		Weather 03 Wind SE-2 Air 16.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.18	9.55	282	0.97	
5	12.17	9.55	282	0.92	
10	12.09	9.58	270	0.83	
15	11.40	9.84	291	0.45	
20	9.63	10.73	283	0.16	
25	8.96	11.25	0	0.00	
30	8.01	11.93	281	0.12	
35	7.67	12.28	283	0.14	
40	7.52	12.36	289	0.19	
45	7.49	12.40	292	0.19	
50	7.41	12.47	293	0.15	

PX-12 4 Apr 52		2100 EST Depth 53'		Weather 03 Wind SE-3 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.02	9.68	284	0.86	
5	12.02	9.68	283	0.73	
10	12.01	9.69	283	0.73	
15	11.54	9.90	284	0.73	
20	8.48	11.75	293	0.30	
25	8.10	12.00	262	0.14	
30	8.01	12.17	281	0.12	
35	7.61	12.39	291	0.09	
40	7.57	12.51	291	0.09	
45	7.51	12.55	0	0.00	
50	7.26	12.73	292	0.09	

PX-12 4 Apr 52		2200 EST Depth 53'		Weather 03 Wind S-3 Air 17.8 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.06	9.66	287	0.68	
5	12.06	9.66	288	0.61	
10	12.06	9.66	287	0.61	
15	11.93	9.69	288	0.61	
20	9.09	10.88	288	0.30	
25	8.07	12.02	217	0.15	
30	7.87	12.12	283	0.09	
35	7.57	12.40	0	0.00	
40	7.45	12.50	0	0.00	
45	7.37	12.61	0	0.00	
50	7.30	12.64	0	0.00	

PX-12 5 Apr 52		0000 EST Depth 52'		Weather 03 Wind SSW-2 Air 18.3 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.01	9.63	293	0.46	
5	12.01	9.62	288	0.46	
10	11.96	9.65	290	0.29	
15	11.74	9.77	0	0.00	
20	11.41	9.94	126	0.58	
25	9.94	10.72	131	1.05	
30	8.79	11.40	109	1.07	
35	8.78	11.69	109	1.05	
40	7.72	12.25	108	1.03	
45	7.48	12.41	110	1.05	
49	7.46	12.45	--	--	

PX-12 4 Apr 52		2300 EST Depth 53'		Weather 03 Wind S-3 Air 18.3 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.07	9.64	273	0.23	
5	12.06	9.64	283	0.21	
10	12.05	9.64	273	0.24	
15	11.97	9.65	283	0.23	
20	10.10	10.63	0	0.00	
25	9.57	11.02	193	0.18	
30	8.22	11.83	118	0.21	
35	7.70	12.32	112	0.23	
40	7.48	12.48	111	0.27	
45	7.47	12.51	109	0.24	
49	7.45	12.52	--	--	

PX-12 5 Apr 52		0104 EST Depth 52'		Weather 03 Wind SSW-2 Air 21.1 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.96	9.67	109	0.18	
5	11.95	9.68	--	--	
10	11.90	9.70	113	0.26	
15	11.65	9.80	115	0.37	
20	10.83	10.22	122	0.47	
25	10.25	10.51	119	0.49	
30	10.00	10.67	112	0.43	
35	8.28	11.61	109	0.39	
40	8.06	11.98	111	0.26	
45	7.59	12.35	111	0.36	
50	7.55	12.40	111	0.33	

PX-12 0205 EST Weather 03  
 5 Apr 52 Depth 52' Wind SSW-2  
 Air 16.7°C

Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.71	9.70	--	--
5	11.73	9.68	85	0.43
10	11.69	9.73	84	0.34
15	11.14	10.00	94	0.41
20	10.90	10.13	105	0.49
25	10.71	10.24	103	0.45
30	10.25	10.49	122	0.54
35	9.76	10.83	124	0.41
40	7.86	11.96	--	--
43	7.67	12.29	--	--

PX-12 0405 EST Weather 62  
 5 Apr 52 Depth 38' Wind SSW-2  
 Air 15.6°C

Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.81	9.66	136	0.39
5	11.81	9.66	140	0.22
10	11.79	9.66	141	0.31
15	11.76	9.71	142	0.41
20	11.56	9.71	136	0.37
25	11.10	10.02	147	0.31
30	10.89	10.16	156	0.26
35 <sub>1</sub>	9.40	10.85	156	0.22
36 <sub>2</sub>	8.97	11.32	--	--

PX-12 0305 EST Weather 03  
 5 Apr 52 Depth 45' Wind SSW-2  
 Air 16.1°C

Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.67	9.76	120	0.59
5	11.66	9.76	125	0.52
10	11.65	9.76	124	0.22
15	11.58	9.77	121	0.31
20	11.06	10.00	123	0.26
25	10.85	10.16	125	0.26
30	10.89	10.16	--	--
35	9.11	11.30	292	0.18
38	8.26	11.77	293	0.29

PX-12 0505 EST Weather 62  
 5 Apr 52 Depth 42' Wind SSW-2  
 Air 13.3°C

Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.77	9.72	--	--
5	11.77	9.73	--	--
10	11.75	9.73	333	0.26
15	11.75	9.74	--	--
20	11.73	9.76	121	0.39
25	11.54	9.87	--	--
30	11.34	9.98	--	--
35	8.46	11.58	--	--
40	7.73	12.15	--	--
42	7.63	12.25	--	--

PX-12 0604 EST Weather 62  
5 Apr 52 Depth 42' Wind SE-3  
Air 14.4°C

Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.13	9.49	312	0.50
5	12.07	9.54	306	0.36
10	11.99	9.58	303	0.43
15	11.91	9.61	321	0.22
20	11.77	9.67	0	0.00
25	11.44	9.72	322	0.26
30	10.55	10.30	0	0.00
35	8.64	11.55	139	0.22
39	7.98	11.94	--	--

PX-12 0800 EST Weather 02  
5 Apr 52 Depth 43' Wind SSW-1  
Air 17.2°C

Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.95	9.59	296	0.43
5	11.92	9.57	294	0.45
10	11.96	9.56	296	0.45
15	11.95	9.57	291	0.43
20	11.79	9.70	295	0.43
25	11.26	9.95	307	0.29
30	10.46	10.19	305	0.22
35	8.76	11.47	0	0.00
40	8.31	11.70	0	0.00
45	8.27	11.77	--	--

PX-12 0705 EST Weather 02  
5 Apr 52 Depth 42' Wind SE-1  
Air 16.1°C

Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.02	9.55	300	1.53
5	12.03	9.57	286	1.75
10	11.73	9.73	291	0.68
15	11.46	9.83	297	0.61
20	11.34	9.87	294	0.53
25	11.12	9.95	297	0.26
30	10.31	10.54	0	0.00
35	8.26	11.52	0	0.00
40	7.97	11.95	0	0.00

PX-12 0900 EST Weather 81  
5 Apr 52 Depth 43' Wind S-1  
Air 17.8°C

Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.87	9.70	311	0.45
5	11.84	9.70	304	0.51
10	11.82	9.71	295	0.45
15	11.81	9.74	278	0.67
20	11.65	9.85	303	0.54
25	10.90	10.22	308	0.22
30	9.10	11.05	0	0.00
35	8.35	11.60	307	0.18
40	7.80	12.08	300	0.18

PX-12 5 Apr 52		1000 EST Depth 43'		Weather 02 Wind S-2 Air 19.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.85	9.73	309	0.58	
5	11.84	9.73	299	0.41	
10	11.81	9.75	297	0.43	
15	11.80	9.75	292	0.56	
20	11.74	9.79	302	0.45	
25	11.56	10.13	302	0.39	
30	8.97	11.13	293	0.31	
35	7.82	12.08	0	0.00	
40	7.68	12.20	0	0.00	

PX-12 5 Apr 52		1200 EST Depth 43'		Weather 02 Wind S-3 Air 21.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.07	9.83	288	0.39	
5	12.08	9.83	283	0.41	
10	12.08	9.83	295	0.41	
15	12.06	9.82	279	0.37	
20	11.96	9.85	278	0.43	
25	9.96	10.82	278	0.29	
30	8.57	11.40	278	0.26	
35	8.35	11.70	281	0.18	
40	7.98	11.95	0	0.00	

PX-12 5 Apr 52		1100 EST Depth 43'		Weather 02 Wind S-3 Air 20.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.90	9.83	--	--	
5	11.90	9.83	302	0.68	
10	11.84	9.81	302	0.51	
15	11.53	9.89	312	0.59	
20	10.54	10.38	313	0.56	
25	9.97	10.67	248	0.37	
30	8.36	11.60	--	--	
35	7.93	11.97	261	0.29	
40	7.86	12.08	233	0.34	

PX-12 5 Apr 52		1258 EST Depth 40'		Weather 02 Wind S-3 Air 22.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.77	9.66	--	--	
5	12.62	9.70	--	--	
10	12.07	9.84	--	--	
15	11.91	9.88	--	--	
20	11.46	9.93	--	--	
25	10.57	10.35	--	--	
30	9.66	10.77	--	--	
35	8.93	11.22	--	--	
40	8.52	11.48	--	--	

PX-16 5 Apr 52		1500 EST Depth 35'		Weather 02 Wind W-4 Air 18.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.49	8.65	146	0.70	
5	12.48	8.65	156	0.70	
10	12.41	8.65	158	0.58	
15	12.34	8.67	158	0.41	
20	12.24	8.75	173	0.37	
25	11.80	8.77	151	0.24	
30	10.77	9.25	133	0.19	
34	9.74	10.27	158	0.15	

PX-16 5 Apr 52		1700 EST Depth 34'		Weather 02 Wind W-4 Air 18.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.65	8.63	128	0.39	
5	12.65	8.63	133	0.29	
10	12.65	8.63	164	0.45	
15	12.67	8.64	171	0.49	
20	12.65	8.64	190	0.26	
25	12.82	8.80	208	0.26	
30	10.74	9.25	280	0.31	
31	10.55	9.42	--	--	

PX-16 5 Apr 52		1600 EST Depth 29'		Weather 02 Wind W-19 Air 19.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.59	8.60	118	0.29	
5	12.59	8.60	123	0.37	
10	12.57	8.60	128	0.70	
15	12.59	8.61	136	0.62	
20	12.59	8.60	181	0.47	
25	12.32	8.62	--	--	
26	12.12	8.75	--	--	
27	--	--	181	0.41	

PX-16 5 Apr 52		1800 EST Depth 34'		Weather 02 Wind NW-3 Air 18.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.69	8.60	118	0.26	
5	12.69	8.60	148	0.28	
10	12.69	8.60	133	0.16	
15	12.69	8.60	171	0.14	
20	12.67	8.61	0	0.00	
25	12.68	8.67	345	0.26	
30	11.51	8.96	005	0.31	
33	10.62	9.42	003	0.29	

PX-16 5 Apr 52		1900 EST Depth 35'		Weather 03 Wind NW-2 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.78	8.59	0	0.00	
5	12.77	8.59	0	0.00	
10	12.77	8.61	0	0.00	
15	12.75	8.64	338	0.09	
20	12.76	8.72	338	0.14	
25	12.26	8.82	338	0.22	
30	11.17	9.25	338	0.28	
33	9.03	11.06	--	--	

PX-16 5 Apr 52		2100 EST Depth 35'		Weather 03 Wind NW-3 Air 13.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	8.91	--	0	0.00	
5	8.91	--	0	0.00	
10	8.88	--	340	0.22	
15	8.77	--	340	0.51	
20	8.59	--	343	0.72	
25	7.70	--	340	0.81	
30	--	--	340	0.81	
34	--	--	340	0.81	

PX-16 5 Apr 52		2000 EST Depth 34'		Weather 03 Wind NW-2 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	--	--	340	0.09	
5	--	--	340	0.09	
10	--	--	336	0.16	
15	--	--	343	0.24	
20	--	--	340	0.52	
25	--	--	338	0.67	
30	--	--	335	0.71	
33	--	--	--	--	

PX-16 5 Apr 52		2200 EST Depth 35'		Weather 03 Wind NW-3 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	8.55	--	313	0.12	
5	8.55	--	0	0.00	
10	8.56	--	338	0.20	
15	8.47	--	338	0.24	
20	8.37	--	337	0.42	
25	7.64	--	339	0.66	
30	--	--	343	0.50	
34	--	--	344	0.29	

PX-16 5 Apr 52		2300 EST Depth 35'		Weather 02 Wind WSW-4 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	8.11	--	118	0.11	
5	8.12	--	98	0.20	
10	8.22	--	93	0.09	
15	8.09	--	308	0.20	
20	7.64	--	338	0.28	
25	--	--	343	0.69	
30	--	--	343	0.66	
33	--	--	343	0.55	

PX-16 6 Apr 52		0100 EST Depth 35'		Weather 00 Wind WSW-2 Air 10.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.28	--	178	0.35	
5	9.33	--	222	0.24	
10	9.28	--	180	0.16	
15	9.25	--	26	0.15	
20	9.11	--	60	0.23	
25	--	--	88	0.20	
30	--	--	0	0.00	
33	--	--	--	--	

PX-16 6 Apr 52		0000 EST Depth 35'		Weather 00 Wind WSW-3 Air 12.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	8.61	--	107	0.20	
5	8.58	--	112	0.22	
10	8.70	--	112	0.15	
15	8.65	--	0	0.00	
20	8.14	--	317	0.20	
25	--	--	320	0.50	
30	--	--	323	0.29	
33	--	--	--	--	

PX-16 6 Apr 52		0200 EST Depth 35'		Weather 00 Wind WSW-2 Air 10.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	9.77	--	156	0.39	
5	9.77	--	149	0.34	
10	9.79	--	148	0.20	
15	9.68	--	118	0.12	
20	9.55	--	118	0.06	
25	--	--	28	0.09	
30	--	--	108	0.06	
31	--	--	108	0.09	

PX-16 6 Apr 52		0300 EST Depth 35'		Weather 00 Wind WSW-3 Air 9.4 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	--	--	118	0.56	
5	--	--	136	0.47	
10	--	--	138	0.47	
15	--	--	128	0.29	
20	--	--	118	0.13	
25	--	--	308	0.13	
30	--	--	118	0.18	
31	--	--	118	0.18	

PX-16 6 Apr 52		0500 EST Depth 35'		Weather 02 Wind WSW-4 Air 8.9 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	--	--	113	0.41	
5	--	--	162	0.51	
10	--	--	163	0.47	
15	--	--	128	0.29	
20	--	--	117	0.13	
25	--	--	115	0.13	
30	--	--	115	0.18	
31	--	--	117	0.29	

PX-16 6 Apr 52		0400 EST Depth 35'		Weather 01 Wind WSW-3 Air 8.9 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	--	--	158	0.52	
5	--	--	155	0.58	
10	--	--	158	0.54	
15	--	--	128	0.39	
20	--	--	120	0.26	
25	--	--	118	0.13	
30	--	--	119	0.18	
31	--	--	118	0.13	

PX-16 6 Apr 52		0600 EST Depth 35'		Weather 03 Wind WSW-4 Air 8.9 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	--	--	138	0.37	
5	--	--	148	0.45	
10	--	--	147	0.41	
15	--	--	117	0.22	
20	--	--	108	0.13	
25	--	--	107	0.22	
30	--	--	125	0.22	
31	--	--	128	0.26	

PX-16 6 Apr 52		0700 EST Depth 33'		Weather 03 Wind WSW-3 Air 8.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	--	--	108	0.14	
5	--	--	113	0.11	
10	--	--	115	0.09	
15	--	--	0	0.00	
20	--	--	0	0.00	
25	--	--	325	0.20	
30	--	--	338	0.22	

PX-16 6 Apr 52		0900 EST Depth 33'		Weather 03 Wind WSW-4 Air 10.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.35	8.20	318	0.09	
5	12.34	8.25	315	0.18	
10	12.29	8.41	313	0.29	
15	11.84	10.00	331	0.51	
20	10.38	10.65	339	0.67	
25	9.31	11.24	338	0.65	
30	8.48	11.70	335	0.45	

PX-16 6 Apr 52		0800 EST Depth 33'		Weather 03 Wind WSW-3 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.48	8.06	331	0.14	
5	12.49	8.07	332	0.11	
10	12.52	8.42	309	0.14	
15	12.43	8.85	338	0.24	
20	10.65	10.55	336	0.59	
25	9.22	11.28	336	0.62	
30	8.62	11.65	338	0.68	

PX-16 6 Apr 52		1000 EST Depth 33'		Weather 03 Wind WSW-4 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.31	8.28	109	0.11	
5	12.29	8.31	330	0.16	
10	12.26	8.40	333	0.24	
15	12.06	9.10	328	0.62	
20	11.10	10.36	332	0.81	
25	9.56	11.14	330	0.46	
30	8.68	11.66	330	0.36	

PX-16 6 Apr 52		1100 EST Depth 33'		Weather 03 Wind WSW-4 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.24	8.44	0	0.00	
5	12.23	8.52	0	0.00	
10	12.20	8.56	303	0.19	
15	12.04	9.53	333	0.27	
20	11.16	10.30	328	0.66	
25	9.57	11.27	326	0.42	
30	8.48	11.71	323	0.29	

PX-16 6 Apr 52		1300 EST Depth 33'		Weather 03 Wind WSW-5 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.17	8.54	108	0.24	
5	12.17	8.54	103	0.11	
10	12.15	8.59	322	0.09	
15	11.72	9.71	333	0.15	
20	10.44	10.87	334	0.28	
25	8.63	11.65	332	0.29	
30	8.53	11.68	334	0.26	

PX-16 6 Apr 52		1200 EST Depth 33'		Weather 03 Wind WSW-5 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.18	8.50	118	0.29	
5	12.18	8.50	303	0.22	
10	12.17	8.50	0	0.00	
15	12.00	9.14	330	0.18	
20	10.38	10.70	333	0.45	
25	9.32	11.45	333	0.54	
30	8.56	11.71	332	0.54	
35	9.32	11.28	--	--	

PX-16 6 Apr 52		1400 EST Depth 31'		Weather 03 Wind WSW-6 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.14	8.60	107	0.24	
5	12.12	8.61	103	0.27	
10	12.06	8.75	106	0.11	
15	11.52	9.81	334	0.12	
20	9.41	11.31	333	0.20	
25	8.53	11.74	334	0.21	
29	8.32	11.75	331	0.19	

PX-21 5 Apr 52		1500 EST Depth 25'		Weather 14 Wind W-3 Air 22.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.25	7.70	120	0.43	
5	13.10	7.81	133	0.56	
10	13.09	7.82	214	0.73	
15	13.07	7.83	222	0.73	
20	12.72	7.96	217	0.61	
22	12.59	8.00	--	--	

PX-21 5 Apr 52		1800 EST Depth 25'		Weather 14 Wind W-3 Air 16.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.42	7.05	153	0.82	
5	13.40	7.05	175	0.65	
10	13.31	7.25	175	0.41	
15	13.28	7.38	174	0.39	
20	13.23	7.48	175	0.26	

PX-21 5 Apr 52		1600 EST Depth 23'		Weather 14 Wind W-3 Air 23.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.30	7.69	123	1.19	
5	13.33	7.69	--	--	
10	13.29	7.70	189	1.15	
15	13.21	7.75	190	1.06	
20	13.03	8.06	177	1.10	

PX-21 5 Apr 52		1901 EST Depth 38'		Weather 02 Wind WNW-3 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.44	6.74	0	0.00	
5	13.44	6.76	0	0.00	
10	13.42	6.87	0	0.00	
15	13.36	7.07	0	0.00	
20	13.35	7.09	0	0.00	
25	13.35	7.14	0	0.00	
30	13.35	7.22	338	0.29	
34	13.29	7.32	335	0.18	

PX-21 5 Apr 52		1700 EST Depth 25'		Weather 14 Wind W-2 Air 17.8	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.20	7.52	149	0.92	
5	13.20	7.51	171	0.73	
10	13.15	7.53	160	0.81	
15	13.05	7.62	159	0.73	
20	13.05	7.65	155	0.53	

PX-21 5 Apr 52		2010 EST Depth 38'		Weather 02 Wind WNW-2 Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.35	6.80	0	0.00	
5	13.36	6.85	347	0.14	
10	13.37	6.95	344	0.20	
15	13.37	6.94	346	0.22	
20	13.37	7.02	343	0.28	
25	13.17	7.48	343	0.33	
32	--	--	345	0.36	

PX-21		2107 EST		Weather 02	
5 Apr 52		Depth 25'		Wind NW-2	
				Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.17	7.50	349	0.19	
5	13.18	7.50	349	0.24	
10	13.18	7.53	350	0.23	
15	13.17	7.71	349	0.19	
20	13.09	7.80	351	0.19	
24	13.06	7.88	--	--	
25	--	--	351	0.19	

PX-21		0007 EST		Weather 02	
6 Apr 52		Depth 24'		Wind WNW-1	
				Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.01	7.72	0	0.00	
5	13.07	7.74	0	0.00	
10	13.06	7.77	0	0.00	
15	12.96	7.93	0	0.00	
20	12.91	8.04	0	0.00	
24	12.89	8.11	0	0.00	

PX-21		2201 EST		Weather 02	
5 Apr 52		Depth 25'		Wind NW-1	
				Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.29	7.22	350	0.24	
5	13.31	7.23	347	0.31	
10	13.34	7.24	346	0.28	
15	13.35	7.60	345	0.28	
20	13.31	7.68	345	0.24	
25	13.27	7.73	346	0.27	

PX-21		0100 EST		Weather 02	
6 Apr 52		Depth 25'		Wind WNW-1	
				Air 10.6 °C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.07	7.53	160	0.52	
5	13.08	7.59	160	0.51	
10	13.01	7.85	170	0.47	
15	12.98	7.96	0	0.00	
20	12.94	8.02	0	0.00	
23	12.94	7.99	0	0.00	

PX-21		2309 EST		Weather 02	
5 Apr 52		Depth 24'		Wind WNW-1	
				Air -	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.11	7.69	79	0.26	
5	13.11	7.73	347	0.26	
10	13.10	7.79	348	0.39	
15	13.07	7.85	347	0.43	
20	13.06	7.87	346	0.37	
24	13.02	7.92	376	0.31	

PX-21		0200 EST		Weather 02	
6 Apr 52		Depth 25'		Wind WNW	
				Air 10.0	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.99	7.37	114	0.24	
5	12.98	7.38	113	0.15	
10	12.98	7.60	176	0.36	
15	13.06	7.74	177	0.37	
20	12.98	7.94	176	0.28	
23	12.90	8.05	--	--	

PX-21 6 Apr 52		0300 EST Depth 25'		Weather 02 Wind WNW-1 Air 8.89°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.09	6.24	155	0.97	
5	13.09	6.25	177	0.97	
10	13.14	7.01	165	0.68	
15	13.04	7.44	167	0.61	
20	13.06	7.57	166	0.54	
25	13.05	7.62	165	0.46	

PX-21 6 Apr 52		0600 EST Depth 25'		Weather 03 Wind WNW-2 Air 7.78°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.03	5.37	152	1.05	
5	13.02	5.34	180	0.77	
10	13.06	5.57	182	0.80	
15	13.18	5.86	178	0.65	
20	13.19	6.04	175	0.58	
25	13.17	6.16	173	0.46	

PX-21 6 Apr 52		0400 EST Depth 25'		Weather 02 Wind W-2 Air 8.89°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.04	6.21	147	0.98	
5	13.04	6.18	188	0.93	
10	13.08	6.25	187	0.80	
15	13.17	6.57	168	0.77	
20	13.19	6.81	172	0.71	
25	13.17	6.95	172	0.68	

PX-21 6 Apr 52		0700 EST Depth 25'		Weather 02 Wind WNW-3 Air 8.33°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.02	4.92	0	0.00	
5	13.13	5.18	158	0.20	
10	13.14	5.55	156	0.16	
15	13.10	5.64	154	0.21	
20	13.09	5.82	158	0.16	

PX-21 5 Apr 52		0500 EST Depth 25'		Weather 03 Wind WNW-2 Air 7.78	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	13.12	5.78	135	0.68	
5	13.12	5.79	--	--	
10	13.14	5.95	185	0.74	
15	13.16	6.40	183	0.80	
20	13.14	6.47	166	0.80	
25	13.13	6.50	165	0.71	

PX-21 5 Apr 52		0800 EST Depth 22'		Weather 02 Wind W-3 Air 8.89	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.94	4.97	348	0.21	
5	12.96	5.00	348	0.23	
10	13.06	5.20	348	0.19	
15	13.10	5.73	65	0.11	
20	13.20	5.91	355	0.19	
23	13.22	6.07	--	--	

PX-21 6 Apr 52		0910 EST Depth 33'		Weather 02 Wind SW-2 Air 10.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.94	5.37	35	0.19	
5	12.98	5.53	0	0.29	
10	12.94	6.16	48	0.29	
15	13.20	6.30	8	0.68	
20	13.10	6.40	346	0.82	
25	12.98	6.52	22	0.68	
30	11.62	8.52	2	0.74	
34	11.54	8.62	--	0.70	

PX-21 6 Apr 52		1105 EST Depth 34'		Weather 02 Wind W-2 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.63	6.65	0	0.00	
5	12.70	6.65	0	0.00	
10	12.70	6.66	320	0.35	
15	12.88	7.11	325	0.41	
20	12.84	7.92	326	0.41	
25	12.80	8.20	331	0.46	
30	12.75	8.27	35	0.65	
33	12.72	8.33	28	0.58	

PX-21 6 Apr 52		1000 EST Depth 33'		Weather 02 Wind SW-3 Air 23.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.94	6.19	7	0.45	
5	12.95	6.20	8	0.68	
10	12.97	6.20	1	0.73	
15	12.96	6.25	322	0.61	
20	12.92	7.63	316	0.49	
25	12.88	7.57	341	0.58	
30	12.88	7.59	8	0.65	
34	12.88	7.64	--	0.54	

PX-21 6 Apr 52		1205 EST Depth 33'		Weather 02 Wind W-2 Air 15.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.64	6.90	0	0.00	
5	12.66	6.93	6	0.41	
10	12.67	7.75	0	0.00	
15	12.63	7.97	0	0.00	
20	12.61	8.11	0	0.00	
25	12.23	8.67	0	0.00	
30	12.05	8.98	0	0.00	
32	11.95	9.14	0	0.00	

PX-21 6 Apr 52		1300 EST Depth 30'		Weather 02 Wind W-2 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.70	7.04	--	--	
5	12.69	6.97	--	--	
10	12.69	6.95	--	--	
15	12.69	6.98	0	0.00	
20	12.02	8.73	34	0.46	
25	11.74	9.19	0	0.00	
29	11.68	9.26	0	0.00	

PX-21 6 Apr 52		1400 EST Depth 29'		Weather 02 Wind SW-2 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.67	6.66	357	0.19	
5	12.68	6.64	198	0.33	
10	12.77	6.98	175	0.27	
15	12.57	8.01	202	0.15	
20	11.96	8.89	26	0.12	
25	11.95	8.93	348	0.14	
28	11.95	8.95	--	--	

PX-23 6 Apr 52		1600 EST Depth 13'	Weather 03 Wind W-4 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.84	2.70	141	1.19
5	12.87	2.85	176	1.07
9	12.88	3.30	201	0.78

PX-23 6 Apr 52		1900 EST Depth 13'	Weather 03 Wind W-3 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.83	1.26	188	0.54
5	12.83	1.37	233	0.30
9	12.83	1.51	233	0.26

PX-23 6 Apr 52		1700 EST Depth 13'	Weather 03 Wind W-4 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.80	2.15	160	1.03
5	12.81	2.32	158	0.93
9	12.84	3.01	143	0.53

PX-23 6 Apr 52		2000 EST Depth 13'	Weather 03 Wind W-4 Air 10.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.79	1.32	87	0.06
5	12.70	1.47	85	0.18
9	12.69	1.67	310	0.22

PX-23 6 Apr 52		1800 EST Depth 13'	Weather 03 Wind W-4 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.86	1.57	144	1.03
5	12.89	1.67	158	0.74
9	12.88	1.94	148	0.53

PX-23 6 Apr 52		2100 EST Depth 13'	Weather 03 Wind W-3 Air 10.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.64	1.47	003	0.46
5	12.83	1.90	003	0.55
9	12.49	2.60	001	0.55

PX-23 6 Apr 52		2200 EST Depth 13'		Weather 03 Wind W-2 Air 9.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.29	2.67	13	0.89	
5	12.44	3.91	11	0.95	
9	12.51	3.93	13	0.59	

PX-23 7 Apr 52		0100 EST Depth 12'		Weather 02 Wind NW-3 Air 8.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.82	4.05	0	0.00	
5	11.97	4.25	0	0.00	
10	12.07	4.38	0	0.00	

PX-23 6 Apr 52		2300 EST Depth 13'		Weather 03 Wind W-3 Air 8.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.18	3.18	359	0.87	
5	12.24	3.73	003	0.78	
9	12.27	4.08	003	0.62	

PX-23 7 Apr 52		0200 EST Depth 12'		Weather 02 Wind NW-3 Air 8.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.85	3.96	128	0.28	
5	11.86	3.99	148	0.14	
9½	11.94	4.22	146	0.14	

PX-23 7 Apr 52		0000 EST Depth 13'		Weather 03 Wind W-3 Air 8.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.88	3.68	359	0.42	
5	11.89	4.01	358	0.62	
9	12.05	4.27	358	0.55	

PX-23 7 Apr 52		0300 EST Depth 12'		Weather 01 Wind NW-2 Air 8.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.52	3.46	147	0.72	
5	11.75	3.75	147	0.66	
9	11.86	3.93	153	0.36	

PX-23 7 Apr 52		0400 EST Depth 12'	Weather 01 Wind NNW-2 Air 7.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.60	2.40	167	1.22
5	11.91	2.94	167	0.92
9	12.02	4.08	167	0.42

PX-23 7 Apr 52		0700 EST Depth 12'	Weather 03 Wind W-1 Air 7.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.87	0.80	163	0.69
5	12.04	1.85	163	0.60
8	12.20	2.48	163	0.44

PX-23 7 Apr 52		0500 EST Depth 12'	Weather 01 Wind NNW-1 Air 7.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.72	1.50	161	1.25
5	12.02	2.52	161	0.93
9	12.17	3.83	161	0.53

PX-23 7 Apr 52		0800 EST Depth 12'	Weather 03 Wind W-2 Air 9.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.97	0.75	158	0.26
5	11.93	1.40	0	0.00
8	11.97	1.79	0	0.00

PX-23 7 Apr 52		0600 EST Depth 12'	Weather 02 Wind W-1 Air 7.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.82	1.02	163	1.07
5	12.16	2.15	163	0.69
8½	12.17	2.97	163	0.44

PX-23 7 Apr 52		0900 EST Depth 11'	Weather 03 Wind NW-2 Air 7.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.88	1.18	120	0.14
5	11.82	2.15	003	0.46
8	12.11	3.47	358	0.81

PX-23 7 Apr 52		1000 EST Depth 11'	Weather 03 Wind NW-3 Air 8.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.75	1.66	053	0.46
5	11.66	2.95	010	0.59
8½	11.91	5.58	014	0.62

PX-23 7 Apr 52		1300 EST Depth 12'	Weather 03 Wind NW-3 Air 10.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.53	3.83	006	0.36
5	11.55	4.00	004	0.42
9	11.57	4.90	008	0.46

PX-23 7 Apr 52		1100 EST Depth 11'	Weather 03 Wind NW-3 Air 8.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.56	2.67	358	0.75
5	11.40	2.74	345	0.81
8½	11.60	4.93	343	0.78

PX-23 7 Apr 52		1400 EST Depth 12'	Weather 02 Wind NW-2 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.53	3.86	011	0.09
5	11.46	5.31	017	0.12
9½	11.36	6.39	016	0.16

PX-23 7 Apr 52		1200 EST Depth 11'	Weather 03 Wind NW-4 Air 8.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.35	3.27	358	0.72
5	11.31	3.28	000	0.75
9	11.57	4.62	358	0.55

PX-23 7 Apr 52		1500 EST Depth 12'	Weather 02 Wind NW-3 Air 13.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	11.60	3.55	181	0.37
5	11.50	4.53	181	0.20
9	11.22	7.00	184	0.25

PX-26 6 Apr 52		1700 EST Depth 13'	Weather 03 Wind W-1 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	13.46	0.15	208	0.68
5	13.48	0.15	194	0.88
10	13.49	0.15	180	0.68

PX-26 6 Apr 52		2004 EST Depth 11'	Weather 03 Wind W-2 Air 10.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	13.42	0.06	205	0.46
5	13.42	0.07	208	0.46
10	13.12	0.12	207	0.41

PX-26 6 Apr 52		1800 EST Depth 12'	Weather 03 Wind W-1 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	13.54	0.09	209	0.71
5	13.57	0.09	009	0.71
10	13.58	0.10	005	0.68

PX-26 6 Apr 52		2103 EST Depth 11'	Weather 03 Wind W-2 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	13.38	0.07	031	0.19
5	13.39	0.07	001	0.24
10	13.36	0.11	001	0.24

PX-26 6 Apr 52		1900 EST Depth 12'	Weather 03 Wind W-2 Air 14.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	13.50	0.07	205	0.49
5	13.48	0.08	205	0.46
10	13.18	0.18	207	0.35

PX-26 6 Apr 52		2205 EST Depth 11'	Weather 02 Wind W-1 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	13.14	0.10	003	0.97
5	13.12	0.17	002	0.81
10	13.05	0.23	002	0.73

PX-26 6 Apr 52		2305 EST Depth 11'	Weather 03 Wind W-1 Air 11.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.94	0.20	013	0.61
5	12.94	0.24	011	0.61
10	12.75	0.37	010	0.49

PX-26 7 Apr 52		0200 EST Depth 12'	Weather 03 Wind W-2 Air 8.89°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.33	0.40	201	0.20
5	12.53	0.52	193	0.23
10	12.51	0.59	203	0.27

PX-26 7 Apr 52		2400 EST Depth 42'	Weather 03 Wind W-1 Air 9.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.59	0.52	023	0.18
5	12.59	0.52	011	0.29
10	12.59	0.64	015	0.22

PX-26 7 Apr 52		0300 EST Depth 12'	Weather 03 Wind W-2 Air 8.89°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.38	0.40	199	0.58
5	12.45	0.48	199	0.71
10	12.46	0.52	229	0.65

PX-26 7 Apr 52		0100 EST Depth 12'	Weather 03 Wind W-1 Air 8.89°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.54	0.52	351	0.19
5	12.59	0.52	354	0.19
10	12.55	0.59	005	0.20

PX-26 7 Apr 52		0400 EST Depth 12'	Weather 03 Wind W-2 Air 7.78°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.53	0.24	197	0.98
5	12.58	0.24	197	1.10
10	12.59	0.24	177	1.03

PX-26 7 Apr 52		0500 EST Depth 12'	Weather 03 Wind W-1 Air 6.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.79	0.12	194	0.93
5	12.81	0.13	184	0.90
10	12.80	0.14	194	0.77

PX-26 7 Apr 52		0800 EST Depth 11'	Weather 02 Wind SW-1 Air 10.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.69	0.06	208	0.29
5	12.62	0.07	206	0.29
10	12.54	0.08	210	0.35

PX-26 7 Apr 52		0600 EST Depth 12'	Weather 03 Wind W-1 Air 6.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.84	0.08	185	0.74
5	12.84	0.08	185	0.77
9	12.84	0.08	185	0.68

PX-26 7 Apr 52		0900 EST Depth 11'	Weather 02 Wind SW-1 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.72	0.06	0	0.00
5	12.71	0.07	346	0.12
10	12.59	0.08	22	0.19

PX-26 7 Apr 52		0700 EST Depth 11'	Weather 02 Wind SW-1 Air 7.78°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.81	0.07	182	0.35
5	12.82	0.07	182	0.35
10	12.82	0.07	207	0.41

PX-26 7 Apr 52		1000 EST Depth 11'	Weather 02 Wind W-2 Air 10.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current	
			Dir (°T)	Speed (kts)
0	12.69	0.07	023	0.24
5	12.71	0.07	013	0.20
10	12.71	0.07	012	0.25

PX-26 7 Apr 52		1100 EST Depth 11'		Weather 02 Wind NNW-2 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.57	0.12	358	0.29	
5	12.55	0.12	357	0.34	
10	12.55	0.12	357	0.22	

PX-26 7 Apr 52		1400 EST Depth 12'		Weather 03 Wind NNW-2 Air 13.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.21	0.34	0	0.00	
5	12.17	0.36	0	0.00	
10	12.17	0.36	0	0.00	
12	12.17	0.36	--	--	

PX-26 7 Apr 52		1200 EST Depth 11'		Weather 02 Wind NNW-2 Air 10.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.39	0.18	323	0.68	
5	12.31	0.20	359	0.53	
10	12.06	0.27	358	0.53	

PX-26 7 Apr 52		1503 EST Depth 12'		Weather 02 Wind NNW-2 Air 12.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.31	0.28	195	0.25	
5	12.27	0.28	196	0.29	
10	12.25	0.31	197	0.28	
12	12.23	0.32	--	--	

PX-26 7 Apr 52		1304 EST Depth 12'		Weather 03 Wind NNW-2 Air 13.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.35	0.27	015	0.46	
5	12.30	0.28	017	0.41	
10	12.17	0.29	017	0.41	
12	12.11	0.31	--	--	

PX-26 7 Apr 52		1600 EST Depth 11'		Weather 02 Wind NNW-2 Air 12.8°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.45	0.16	197	0.73	
5	12.42	0.17	195	0.74	
10	12.41	0.18	194	0.74	
11½	12.41	0.18	--	--	

PX-29 7 Apr 52		1700 EST Depth 24'		Weather 01 Wind NW-2 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.45	<0.01	183	0.97	
5	12.46	<0.01	183	0.95	
10	12.47	<0.01	183	1.05	
15	12.47	<0.01	183	1.00	
20	12.47	<0.01	183	0.81	
21	12.47	<0.01	--	--	

PX-29 7 Apr 52		1900 EST Depth 24'		Weather 03 Wind NW-2 Air 10.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.18	<0.01	193	0.69	
5	12.20	<0.01	192	0.69	
10	12.20	<0.01	193	0.69	
15	12.22	<0.01	191	0.66	
20	12.22	<0.01	184	0.69	
21	12.22	<0.01	172	0.55	

PX-29 7 Apr 52		1800 EST Depth 24'		Weather 02 Wind NW-2 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.26	<0.01	181	0.84	
5	12.27	<0.01	183	0.97	
10	12.27	<0.01	192	0.95	
15	12.29	<0.01	181	0.86	
20	12.28	<0.01	184	0.81	
21	12.20	<0.01	--	--	

PX-29 7 Apr 52		2000 EST Depth 24'		Weather 03 Wind NW-2 Air 9.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.10	<0.01	175	0.29	
5	12.14	<0.01	183	0.31	
10	12.13	<0.01	276	0.43	
15	12.15	<0.01	185	0.34	
20	12.15	<0.01	178	0.29	
21	12.15	<0.01	217	0.41	

PX-29 7 Apr 52		2100 EST Depth 24'		Weather 01 Wind NW-2 Air 9.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.07	<0.01	019	0.43	
5	12.08	<0.01	019	0.41	
10	12.10	<0.01	020	0.41	
15	12.10	<0.01	019	0.37	
20	12.08	<0.01	034	0.31	
21	12.08	<0.01	--	--	
22	--	--	034	0.31	

PX-29 7 Apr 52		2300 EST Depth 24'		Weather 01 Wind NW-1 Air 8.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.17	<0.01	013	1.07	
5	12.18	<0.01	013	1.12	
10	12.20	<0.01	013	1.21	
15	12.16	<0.01	013	1.07	
20	12.13	<0.01	013	1.12	
21	12.15	<0.01	--	--	
23	--	--	013	0.87	

PX-29 7 Apr 52		2200 EST Depth 24'		Weather 02 Wind NW-1 Air 8.9°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.08	<0.01	015	0.92	
5	12.09	<0.01	015	0.97	
10	12.08	<0.01	015	0.89	
15	12.04	<0.01	015	0.95	
20	12.02	<0.01	015	0.84	
21	12.02	<0.01	--	--	
24	--	--	015	0.72	

PX-29 8 Apr 52		0000 EST Depth 24'		Weather 00 Wind NW-1 Air 6.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.25	<0.01	012	0.87	
5	12.26	<0.01	012	1.03	
10	12.24	<0.01	012	1.16	
15	12.22	<0.01	013	0.98	
20	12.23	<0.01	012	0.82	
21	12.23	<0.01	013	0.74	

PX-29 8 Apr 52		0100 EST Depth 26'		Weather 00 Wind NW-1 Air 6.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.28	0.01	017	0.62	
5	12.30	0.01	017	0.69	
10	12.30	0.01	017	0.69	
15	12.29	0.01	017	0.69	
20	12.30	0.01	017	0.74	
21	12.30	0.01	--	--	
23	--	--	017	0.62	

PX-29 8 Apr 52		0300 EST Depth 26'		Weather 00 Wind 0 Air 6.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.26	0.01	196	0.06	
5	12.26	0.01	196	0.06	
10	12.26	0.01	195	0.09	
15	12.24	0.01	194	0.09	
20	12.24	0.01	196	0.11	
22 <sup>1</sup> <sub>2</sub>	12.22	0.01	--	--	
23	--	--	200	0.11	

PX-29 8 Apr 52		0200 EST Depth 26'		Weather 00 Wind 0 Air 6.7°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.28	0.01	010	0.25	
5	12.28	0.01	010	0.34	
10	12.28	0.01	010	0.41	
15	12.28	0.01	010	0.37	
20	12.28	0.01	005	0.29	
21	12.28	0.01	--	--	
23	--	--	005	0.29	

PX-29 8 Apr 52		0400 EST Depth 25'		Weather 00 Wind 0 Air 5.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.10	0.01	183	0.82	
5	12.10	0.01	184	0.74	
10	12.10	0.01	182	0.69	
15	12.12	0.01	181	0.74	
20	12.08	0.01	184	0.74	
22 <sup>1</sup> <sub>2</sub>	12.10	0.01	--	--	
23	--	--	181	0.62	

PX-29 8 Apr 52		0500 EST Depth 25'		Weather 01 Wind 0 Air 5.6°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.98	<0.01	185	0.98	
5	11.99	<0.01	182	1.07	
10	11.98	<0.01	183	1.07	
15	11.98	<0.01	183	1.07	
20	12.02	<0.01	183	1.12	
22½	12.02	<0.01	--	--	
22	--	--	183	1.12	

PX-29 8 Apr 52		0700 EST Depth 25'		Weather 02 Wind N-2 Air 7.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.43	<0.01	193	0.87	
5	11.43	<0.01	180	0.98	
10	11.43	<0.01	181	0.93	
15	11.43	<0.01	193	1.03	
20	11.43	<0.01	175	1.03	
21	11.43	<0.01	--	--	
23	--	--	188	0.82	

PX-29 8 Apr 52		0600 EST Depth 25'		Weather 01 Wind 0 Air 5.0°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.85	<0.01	182	1.07	
5	11.86	<0.01	183	1.16	
10	11.85	<0.01	178	1.16	
15	11.86	<0.01	183	1.16	
20	11.87	<0.01	184	1.12	
22	--	<0.01	184	1.03	
22½	11.87	<0.01	--	--	

PX-29 8 Apr 52		0800 EST Depth 25'		Weather 02 Wind N-2 Air 8.3°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.25	<0.01	180	0.82	
5	11.25	<0.01	180	0.69	
10	11.24	<0.01	184	0.82	
15	11.24	<0.01	180	0.69	
20	11.24	<0.01	184	0.69	
21	11.24	<0.01	--	--	
22	--	--	175	0.44	

PX-29 8 Apr 52		0000 EST Depth 25'		Weather 00 Wind N-1 Air 9.4°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.21	0.01	141	0.22	
5	11.14	0.01	158	0.18	
10	11.11	0.01	177	0.22	
15	11.10	0.01	165	0.22	
20	11.10	0.01	150	0.26	
21	11.10	0.01	--	--	
22	--	--	181	0.39	

PX-29 8 Apr 52		1100 EST Depth 26'		Weather 02 Wind NW-1 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.65	0.01	020	1.24	
5	11.39	0.01	020	1.17	
10	11.37	0.01	020	1.17	
15	11.37	0.01	010	1.14	
20	11.43	0.01	010	1.07	
21	11.45	0.01	--	--	
23	--	--	008	0.97	

PX-29 8 Apr 52		1000 EST Depth 25'		Weather 01 Wind N-1 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.63	0.01	015	0.58	
5	11.11	0.01	005	0.61	
10	11.07	0.01	000	0.49	
15	11.04	0.01	358	0.51	
20	11.04	0.01	343	0.52	
21	11.04	0.01	--	--	
23	--	--	348	0.47	

PX-29 8 Apr 52		1200 EST Depth 26'		Weather 03 Wind NW-1 Air 11.1°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	11.71	0.01	014	1.12	
5	11.70	0.01	013	1.21	
10	11.67	0.01	011	1.21	
15	11.65	0.01	011	1.12	
20	11.62	0.01	013	1.12	
21	11.63	0.01	--	--	
23	--	--	023	0.98	

PX-29 8 Apr 52		1300 EST Depth 27'		Weather 03 Wind WNW-2 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.07	0.01	028	0.93	
5	11.92	0.01	027	0.93	
10	11.89	0.01	023	0.93	
15	11.88	0.01	019	0.87	
20	11.87	0.01	008	0.82	
23	11.86	0.01	356	0.93	

PX-29 8 Apr 52		1400 EST Depth 27'		Weather 03 Wind WSW-2 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.14	0.01	009	0.46	
5	12.08	0.01	013	0.50	
10	11.99	0.01	013	0.50	
15	12.00	0.01	013	0.59	
20	12.00	0.01	023	0.42	
23	11.99	0.01	023	0.46	

PX-29 8 Apr 52		1500 EST Depth 27'		Weather 03 Wind 0 Air 12.2°C	
Depth (ft)	Temp (°C)	Sal (o/oo)	Current		
			Dir (°T)	Speed (kts)	
0	12.17	0.01	003	0.12	
5	12.17	0.01	183	0.09	
10	12.12	0.01	0	0.00	
15	12.10	0.01	0	0.00	
20	12.11	0.01	0	0.00	
23	12.11	0.01	0	0.00	

Section B

Chemical Data

Station	Date Time	Depth (ft)	O <sub>2</sub> (mL/L)	pH	Chloro. (µg/L)	PO <sub>4</sub> (µg at/L)	Alk. (mg at/L)	Turbidity		
								400mµ	600mµ	800mµ
PX-4	<u>4/3/52</u>									
	1330	0	5.96	7.99	3.14	0.36	--	0.098	0.065	0.052
	1435	10	5.16	7.92	3.23	0.23	1.28	0.091	0.056	0.050
	1455	20	5.06	7.82	4.19	0.16	1.28	0.132	0.062	0.049
	1530	30	4.94	7.84	4.25	0.25	1.42	0.120	0.052	0.038
1610	45	5.04	7.70	4.67	0.21	1.36	0.102	0.056	0.048	
PX-12	<u>4/4/52</u>									
	1345	0	5.59	7.84	5.27	0.39	1.31	0.172	0.097	0.067
	1410	10	5.31	7.73	4.68	0.25	1.13	0.163	0.099	0.074
	1430	20	5.51	7.70	5.09	0.16	1.16	0.144	0.091	0.068
	1505	30	4.88	7.78	5.35	0.17	1.17	0.211	0.129	0.097
1530	45	4.22	7.50	5.77	0.28	1.30	0.575	0.389	0.287	
PX-21	<u>4/5/52</u>									
	1500	0	5.45	7.68	10.56	0.31	1.20	0.590	0.378	0.301
	1520	10	5.30	7.68	12.10	0.38	1.20	0.622	0.400	0.309
1540	20	5.04	7.69	11.83	0.40	1.12	0.928	0.638	0.520	
PX-26	<u>4/6/52</u>									
	1705	0	5.33	7.11	2.61	0.68	0.90	2.041	1.175	0.963
1720	10	5.23	7.32	4.30	0.92	0.92	0.92	2.721	1.857	1.466
PX-4	<u>4/8/52</u>									
	0715	0	5.23	7.77	4.34	0.10	1.70	0.114	0.070	0.058
	0740	10	5.56	7.77	4.71	0.09	1.77	0.087	0.057	0.046
	0800	20	5.37	7.68	4.70	0.10	1.72	0.113	0.069	0.056
	0815	30	--	7.69	3.83	0.17	1.68	0.093	0.055	0.045
0845	45	4.79	7.58	2.81	0.09	1.69	0.119	0.076	0.065	

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