

SALINITIES, TEMPERATURES AND DENSITIES OF THE  
SOUTHERN CHINA SEA AND MALACCA STRAIT.

MAY 1919.

Date and hour	Station	Depth	S	<i>t</i>	$\sigma_t$	REMARKS.
7 May	1	0	29.76	29.51	17.99	
8.10 a.m.	3°10'N. 106°21'E.	10	85	55	18.04	
7 May	2	0	29.23	+30.5	17.27	
11.40 a.m.	2°56'N. 106°6'E.	10	22	29.66	53	
		20	22	67	53	
7 May	3	0	29.51	+30.5	17.47	
2.30 p.m.	2°42'N. 105°50'E.	10	51	29.86	68	
		20	52	84	71	
		30	54	84	72	
7 May	4	0	28.73	30.84	16.77 <sup>b</sup>	
5.15 p.m.	2°23'N. 105°43'E.	10	29.29	19	17.42	
7 May	5	0	27.05	30.17	15.75	
8.50 p.m.	2°15'N. 105°16'E.	10	29.94	29.86	18.01	
		20	30.77	86	63	
8 May	6	0	27.11	29.72	15.93	
1.50 a.m.	2°2'N. 105°2'E.	10	30.95	98	18.72	
		20	31.51	98	19.14	
		30	64	30.01	23	
8 May	7	0	30.43	30.11	18.29	
4.45 a.m.	1°43'N. 105°11'E.	10	—	11	—	
		20	31.89	10	19.38	
8 May	8	0	31.80	30.05	19.33	
7.20 a.m.	1°25'N. 105°20'E.	10	80	17	30	
		20	32.—	16	45	
8 May	9	0	31.55	30.37	19.03	
10.5 a.m.	1°7'N. 105°30'E.	10	98	24	40	
		20	32.—	24	42	
8 May	10	0	29.99	30 <sup>5</sup>	17.84	
0.55 p.m.	0°59'N. 105°10'E.	10	31.36	30.13	18.98	
		20	32.01	14	19.47	
8 May	11	0	30.10	30.51	17.90	
4.10 p.m.	0°57'N. 104°53'E.	10	32	29.85	18.29	
8 May	12	0	28.58	30.09	17.67	
7.10 p.m.	0°56'N. 104°24'E.	10	29.58	29.84	74	
		20	58	84	74	

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Date and hour	Station	Depth	S	<i>t</i>	$\sigma_t$	REMARKS.
8 May	13	0	28.64	30.03	16.98	
9.35 p.m.	0°43'N. 104°6'E.	10	29.36	29.93	17.56	
9 May	14	0	28.42	30.09	16.80	
0.20 a.m.	0°27'N. 103°58'E.	10	30.12	29.83	18.11	
9 May	15	0	29.60	29.82	17.77	
3.15 a.m.	0°5'N. 103°59'E.	10	31.09	93	18.84	
		20	13	94	87	
9 May	16	0	31.47	30.14	19.06	
5.40 a.m.	0°15'N. 103°54'E.	10	47	29.18	39	
		20	51	09	44	
		30	51	13	43	
9 May	17	0	31.58	30.31	19.08	
8.20 a.m.	0°32'N. 103°45'E.	10	62	19	15	
		20	62	14	17	
9 May	18	0	29.85	30.58	17.70	
11.15 a.m.	0°52'N. 103°35'E.	10	30.05	02	18.04	
		20	—	00	—	
9 May	19	0	30.23	+30.5	±18.—	
2.10 p.m.	1°14'N. 103°24'E.	10	31.06	08	18.76	
		20	36	08	99	
		30	38	13	99	
9 May	20	0	30.79	+30.5	±18.08	
4.45 p.m.	1°26'N. 103°7'E.	10	31.11	10	80	
		20	27	08	93	
		30	27	08	93	
9 May	21	0	31.15	30.38	18.73	
7.50 p.m.	1°39'N. 102°48'E.	10	33	08	97	
		20	34	08	97	
		30	35	09	97	
		40	35	09	97	
9 May	22	0	31.18	30.04	18.87	
10.40 p.m.	1°49'N. 102°30'E.	10	22	11	87	
		20	27	10	93	
		30	35	11	97	



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MAY 1919.

Date and hour	Station	Depth	S	<i>t</i>	$\sigma_t$	REMARKS.
10 May 2.30 a.m.	23 2°0'N. 102°14'E.	0	31.11	30.20	18.77	
		10	—	20	—	
		20	11	17	78	
		30	11	17	78	
		40	26	17	89	
10 May 5.35 a.m.	24 2°13'N. 101°57'E.	0	31.09	30.10	18.78	
		10	09	19	75	
		20	09	14	77	
		30	09	14	77	
10 May 8.30 a.m.	25 2°26'N. 101°41'E.	0	31.—	30.17	18.70?	
		10	30.93	13	66	
		20	93	13	66	
		30	93	13	66	
		40	93	11	66 <sup>s</sup>	
10 May 11.10 a.m.	26 2°38'N. 101°24'E.	0	30.90	30.13	18.63	
		10	90	14	63	
		20	90	14	63	
		30	90	13	63	
		40	90	13	63	
		50	—	15	—	
		60	91	15	64	
10 May 2.5 p.m.	27 2°46'N. 101°6'E.	0	30.88	+30.5	±18.50	
		10	90	26	58	
		20	93	21	63	
		30	—	21	—	
10 May 4.50 p.m.	28 2°58'N. 100°50'E.	0	30.70	30.43	18.38	
		10	31.44	47	92	
		20	69	19	19.20	
		30	85	—	—	
10 May 7.25 p.m.	29 3°18'N. 100°44'E.	0	30.62	30.49	18.30	
		10	77	04	57	
		20	31.71	29.04	19.60	
		30	32.07	28.78	97	
		40	23	70	20.11	
		50	25	68	13	

SALINITIES, TEMPERATURES AND DENSITIES OF THE  
SOUTHERN CHINA SEA AND MALACCA STRAIT.

MAY 1991.

Date and hour	Station	Depth	S	<i>t</i>	$\sigma_t$	REMARKS.
10 May 10.20 p.m.	30 3°37'N. 100°38'E.	0	30.62	30.02	18.46	
		10	31.02	29.73	86	
		20	80	02	19.69	
		30	32.14	28.75	20.03	
		40	48	50	36	
11 May 1.20 a.m.	31 3°57'N. 100°31'E.	0	30.77	29.91	18.61	
		10	84	89	67	
		20	31.31	59	19.12	
		30	98	28.96	83	
		40	32.16	73	20.05	
11 May 4.30 a.m.	32 3°57'N. 100°11'E.	0	31.40	29.87	19.10	
		10	49	90	14	
		20	73	31	53	
		30	32.57	28.31	20.49	
		40	88	03	82	
11 May 7.20 a.m.	33 3°56'N. 99°51'E.	0	31.83	29.68	19.49	
		10	81	64	48	
		20	32.01	36	73	
		30	75	36	20.61	
		40	—	28.04	—	
		50	79	27.93	20.79	
		60	33.10	90	21.02	
		70	10	90	02	
11 May 10.30 a.m.	34 3°55'N. 99°32'E.	0	31.74	29.53	19.46	
		10	74	47	48	
		20	32.32	28.85	20.13	
		30	79	27	67	
		40	97	08	86	
11 May 1.25 p.m.	35 3°45'N. 99°12'E.	0	31.92	30.18	19.38	
		10	73	29.60	43	
		20	69	39	47	
		30	32.41	28.37	20.36	



SALINITIES, TEMPERATURES AND DENSITIES OF THE  
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MAY 1919.

Date and hour	Station	Depth	S	<i>t</i>	$\sigma_t$	REMARKS.
11 May	36	0	30.82	29.98	18.62	
4.40 p.m.	3°53'N. 98°52'E.	10	31.85	68	19.49	
		20	87	64	53	
16 May	37	0	32.50	29.67	19.98	
9.5 p.m.	1°21'N. 104°25'E.	10	70	62	20.14	
		20	75	55	22	
		30	88	50	33	
17 May	38	0	32.90	29.37	20.38	
0.20 a.m.	1°23'N. 104°47'E.	10	90	36	38	
		20	33.22	28.98	77	
		30	19	88	77	
17 May	39	0	32.77	29.61	20.21	
3.15 a.m.	1°29'N. 105°6'E.	10	77	58	22	
		20	79	63	22	
		30	33.37	28.70	96	
		40	39	58	21.02	
17 May	40	0	32.75	29.73	20.16	
6.15 a.m.	1°37'N. 105°25'E.	10	77	72	17	
		20	33.33	2.869	93	
		30	35	64	97	
		40	44	61	21.04	
17 May	41	0	32.59	29.85	20.—	
9.20 a.m.	1°43'N. 105°41'E.	10	58	83	19.99	
		20	70	79	20.09	
		30	33.39	28.52	21.03	
		40	46	27.43	43	
		50	46	42	43	
17 May	42	0	32.70	30.16	19.96	
0.5 p.m.	1°48'N. 105°59'E.	10	72	29.91	20.07	
		20	75	83	13	
		30	33.33	28.44	21.02	
		40	60	27.71	46	
		50	60	67	47	

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MAY 1919.

Date and hour	Station	Depth.	S	<i>t</i>	$\sigma_t$	REMARKS.
17 May 2.40 p.m.	43 1°48'N. 106°16'E.	0	32.66	30.61	19.79	
		10	66	29.94	10.01	
		20	68	85	06	
		30	33.08	28.47	82	
		40	—	27.84	—	
17 May 5.30 p.m.	44 1°47'N. 106°36'E.	0	32.54	29.90	19.93	
		10	59	90	98	
		20	75	76	20.15	
		30	84	28.62	60	
		40	33.22	45	94	
17 May 8.50 p.m.	45 1°47'N. 106°56'E.	0	32.70	29.82	20.08	
		10	75	77	15	
		20	88	71	25	
		30	90	62	30	
		40	33.10	28.95	67	
		50	17	29	95	
		60	93	24.43	22.72	
		70	95	23.55	23.—	
18 May 0.10 a.m.	46 1°47'N. 107°20'E.	0	32.83	29.92	20.14	
		10	86	95	15	
		20	88	81	22	
		30	88	72	26	
		40	88	55	31	
18 May 3 a.m.	47 1°47'N. 107°41'E.	0	32.75	29.85	20.12	
		10	75	86	12	
		20	75	88	11	
		30	75	79	13	
		40	75	79	13	
		50	33.64	26.01	22.03	



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MAY 1919.

Date and hour	Station	Depth.	S	<i>t</i>	$\sigma_t$	REMARKS.
18 May 6.40 a.m.	48 1°47'N. 108°3'E.	0	32.54	30.—	19.90	
		10	56	29.99	90	
		20	57	99	93	
		30	63	30.04	96	
		40	33.06	29.12	20.59	
18 May 8.30 a.m.	49 1°47'N. 108°16'E.	0	32.50	30.12	19.83	
		10	50	15	83	
		20	50	10	83	
		30	57	29.28	20.16	
		40	33.33	27.50	21.32	
18 May 11.20 a.m.	50 1°48'N. 108°34'E.	0	32.25	30.28	19.59	
		10	23	16	62	
		20	29	20	65	
18 May 2.10 p.m.	51 1°36'N. 108°46'E.	0	32.20	30.51	19.47	
		10	20	47	49	
		20	65	47	82	
18 May 4.25 p.m.	52 1°24'N. 108°56'E.	0	32.29	+30.5	±19.54	
		10	50	30.40	73	
		20	75	40	93	
18 May 8 p.m.	53 0°55'N. 108°45'E.	0	31.36	22	18.95	
		10	32.05	11	19.50	
18 May 11 p.m.	54 0°55'N. 108°25'E.	0	31.83	29.80	19.44	
		10	87	87	45	
		20	32.47	77	93	
19 May 2.25 a.m.	55 0°53'N. 108°5'E.	0	32.25	29.81	19.75	
		10	36	96	20.12	
		20	34	28.87	13	
		30	99	70	61	
		40	33.08	55	79	

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Date and hour	Station	Depth	S	<i>t</i>	$\sigma_t$	REMARKS.
19 May	56	0	32.34	29.74	19.83	
6.30 a.m.	0°51'N. 107°45'E.	10	—	72	—	
		20	95	28.95	20.57	
		30	95	90	59	
19 May	57	0	32.39	29.90	19.83	
9.30 a.m.	0°49'N. 107°25'E.	10	39	88	84	
		20	79	12	20.39	
		30	88	28.47	68	
19 May	58	0	32.66	30.02	19.99	
0.30 p.m.	0°48'N. 107°5'E.	10	72	29.95	20.05	
		20	81?	89	14?	
		30	74	28.85	43	
		40	33.35	27.99	21.18	
		50	—	12	—	
		60	66	25.68	22.14	
19 May	59	0	32.43	29.94	19.84	
3.35 p.m.	0°47'N. 106°46'E.	10	48	85	91	
		20	48	80	93	
		30	—	80	—	
		40	97	10	20.53	
		50	33.39	27.31	21.43	
19 May	60	0	32.50	29.87	19.92	
6.40 p.m.	0°38'N. 106°32'E.	10	50	87	92	
		20	56	74	20.—	
		30	33.12	16	62	
		40	39	27.28	21.44	
		50	53	26.97	64	
19 May	61	0	—	29.76	—	
9.35 p.m.	0°28'N. 106°17'E.	10	32.63	76	20.06	
		20	74	70	15	
		30	—	43	—	
		40	33.28	28.13	21.09	



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Date and hour	Station	Depth.	S	<i>t</i>	$\sigma_t$	REMARKS.
20 May	62	0	32.52	29.89	19.93	
1.5 a.m.	0°19'N. 106°1'E.	10	54	84	96	
		20	33.08	85	20.69	
		30	19	65	84	
		40	21	64	86	
20 May	63	0	31.94	30.—	19.45	
4.15 a.m.	0°10'N. 105°45'E.	10	—	29.36	—	
		20	32.94	10	20.52	
		30	33.03	11	57	
20 May	64	0	31.74	30.—	19.30	
9.35 a.m.	0°3'S. 105°15'E.	10	69	29.95	28	
		20	32.43	77	90	
20 May	65	0	31.24	30.44	18.78	
1.30 p.m.	0°19'S. 105°33'E.	10	82	12	19.31	
		20	32.61	29.84	20.01	
20 May	66	0	32.61	30.27	19.87	
4.20 p.m.	0°17'S. 105°54'E.	10	57	29.73	20.02	
		20	75	45	25	
		30	83	35	34	
20 May	67	0	32.57	30.02	19.92	
7.50 p.m.	0°16'S. 106°14'E.	10	75	29.61	20.20	
		20	88	27	41	
		30	90	20	44	
20 May	68	0	32.57	29.83	19.98	
10.45 p.m.	0°14'S. 106°34'E.	10	65	68	20.09	
		20	77	51	24	
		30	33.12	05	66	
21 May	69	0	32.56	29.98	19.92	
1.40 a.m.	0°13'S. 106°52'E.	10	57	74	20.02	
		20	74	57	19	
		30	33.22	28.72	85	

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21 May	70	0	32.52	29.89	19.93	
4.45 a.m.	0°12'S. 107°12'E.	10	50	65	99	
		20	52	61	20.02	
		30	33.13	28.53	84	
		40	28	05	21.11	
		50	28	27.88	17	
21 May	71	0	32.54	30.01	19.90	
7.10 a.m.	0°13'S. 107°26'E.	10	52	29.84	89	
		20	—	74	—	
		30	33.24	28.18	20.98	
21 May	72	0	32.47	30.21	19.78	
9.45 a.m.	0°21'S. 107°44'E.	10	45	07	80	
		20	86	29.34	20.36	
		30	95	16	49	
21 May	73	0	32.41	+ 30.5	± 19.50	
0.30 p.m.	0°27'S. 108°2'E.	10	41	14	76	
		20	75	29.95	20.08	
21 May	74	0	31.85	+ 30.5	± 19.20	
3.15 p.m.	0°35'S. 108°23'E.	10	32.41	30.16	75	
		20	45	22	76	
21 May	75	0	31.36	+ 30.5	± 18.86	
6.40 p.m.	0°41'S. 108°39'E.	10	32.38	28	19.68	
		20	61	18	89	
21 May	76	0	31.69	+ 30.5	± 19.10	
9.30 p.m.	0°46'S. 108°58'E.	10	32.47	30.27	76	
22 May	77	0	31.87	30.43	19.28	
0.50 a.m.	1°9'S. 108°49'E.	10	32.25	42	54	
		20	66	42	85	
22 May	78	0	31.87	30.24	19.33	
3.45 a.m.	1°21'S. 108°35'E.	10	32.54	29.89	96	
		20	74	94	20.07	
22 May	79	0	32.41	30.13	19.76	
6.50 a.m.	1°33'S. 108°19'E.	10	63	29.85	20.03	
		20	75	70	17	
		30	77	70	18	



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22 May 9.55 a.m.	80 1°46'S. 108°3'E.	0	32.30	29.98	19.73	
		10	50	89	91	
		20	63	82	20.04	
		30	66	72	09	
22 May 0.30 p.m.	81 2°0'S. 107°48'E.	0	32.65	30.20	19.91	
		10	63	29.87	20.02	
		20	61	14	25	
22 May 3.15 p.m.	82 2°12'S. 107°33'E.	0	32.66	+30.5	±19.83	
		10	65	29.90	20.02	
		20	72	87	08	
22 May 6.20 p.m.	83 2°25'S. 107°18'E.	0	32.39	30.68	19.77	
		10	47	29.92	88	
		20	48	92	89	
		30	56	92	95	
22 May 8.55 p.m.	84 2°31'S. 106°58'E.	0	31.85	29.84	19.44	
		10	32.—	75	58	
		20	25	75	76	