

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

AUGUST 1919.

Date and hour	Station	Depth	S	<i>t</i>	σ_t	REMARKS.
13 Aug.	1	0	32.01	28.20	20.11	
0.5 p.m.	2°32'S. 106°58'E.	10	10	04	22	
		20	10	04	22	
		30	10	04	22	
13 Aug.	2	0	32.10	28.33	20.13	
2.45 p.m.	2°24'S. 107°19'E.	10	10	27.96	26	
		20	10	92	26	
		30	10	92	26	
13 Aug.	3	0	32.38	28.02	20.44	
5.50 p.m.	2°10'S. 107°33'E.	10	38	05	43	
		20	38	04	43	
		30	38	04	43	
13 Aug.	4	0	32.47	27.63	20.63	
8.35 p.m.	2°0'S. 107°45'E.	10	47	65	63	
		20	47	65	63	
		30	47	65	63	
14 Aug.	5	0	—	27.21	—	
0.10 a.m.	1°40'S. 107°56'E.	10	32.57	46	20.76	
		20	57	47	76	
		30	59	47	78	
14 Aug.	6	0	32.56	27.37	20.79	
3.45 a.m.	1°34'S. 108°19'E.	10	59	35	81	
		20	61	35	82	
		30	63	35	84	
14 Aug.	7	0	32.01	27.37	20.37	
6.30 a.m.	1°20'S. 108°35'E.	10	01	37	37	
		20	01	37	37	
14 Aug.	8	0	31.85?	27.34	20.26?	
8.35 a.m.	1°9'S. 108°49'E.	10	80	40	21	
		20	83	40	24	
14 Aug.	9	0	31.31	27.49	19.82	
11.30 a.m.	0°51'S. 108°59'E.	10	35	44	84	
		20	35	39	87	
14 Aug.	10	0	30.35	27.60	19.06	
1.15 p.m.	0°37'S. 109°2'E.	10	72	30	42	

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AUGUST 1919.

Date and hour	Station	Depth	S	<i>t</i>	σ_t	REMARKS.
14 Aug. 3.45 p.m.	11 0°33'S. 108°42'E.	0	31.35	27.64	19.79	
		10	42	58	86	
		20	40	51	88	
		30	40	50	88	
14 Aug. 6.35 p.m.	12 0°26'S. 108°21'E.	0	31.44	27.77	19.82	
		10	44	80	81	
		20	44	81	81	
14 Aug. 9.15 p.m.	13 0°19'S. 108°0'E.	0	31.71	27.97	19.95	
		10	71	91	97	
		20	74	98	98	
15 Aug. 0.15 a.m.	14 0°12'S. 107°38'E.	0	31.83	27.64	20.16	
		10	85	64	17	
		20	85	64	17	
		30	32.—	56	31	
15 Aug. 3.10 a.m.	15 0°5'S. 107°16'E.	40	36	24	68	
		0	31.98	27.47	20.32	
		10	32.—	50	33	
		20	03	48	36	
		30	41	31	69	
15 Aug. 6.5 a.m.	16 0°3'N. 106°55'E.	40	50	09	82	
		50	72	26.64	21.14	
		60	33.78	24.45	22.61	
		0	32.34	27.34	20.62	
		10	38	35	65	
		20	38	31	66	
15 Aug. 6.5 a.m.	16 0°3'N. 106°55'E.	30	38	30	66	
		40	52	12	84	
		50	33.80	26.58	21.97	

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AUGUST 1919.

Date and hour	Station	Depth	S	<i>t</i>	σ_t	REMARKS.
15 Aug.	17	0	32.36	27.59	20.56	
9.30 a.m.	0°0'N. 106°35'E.	10	47	58	65	
		20	47	54	66	
		30	50	44	68	
		40	65	27	88	
		50	33.30	26.55	21.54	
15 Aug.	18	0	32.38	28.02	20.44	
0.20 p.m.	0°1'S. 106°15'E.	10	48	27.96	54	
		20	50	85	59	
		30	54	84	62	
		40	61	71	71	
15 Aug.	19	0	32.18	28.32	20.19	
3.15 p.m.	0°8'S. 105°56'E.	10	23	27	25	
		20	23	15	29	
		30	23	10	31	
		40	48	11	49	
15 Aug.	20	0	—	28.23	—	
6.— p.m.	0°12'S. 105°39'E.	10	32.27	23	20.30	
		20	27	21	30	
		30	25	16	30	
15 Aug.	21	0	32.32	28.31	20.31	
9.— p.m.	0°17'S. 105°16'E.	10	32	29	31	
		20	32	33	30	
		30	32	33	30	
15 Aug.	22	0	32.10	28.46	20.09	
11.30 p.m.	0°2'N. 105°10'E.	10	14	46	12	
		20	18	46	15	
		30	18	41	16	
16 Aug.	23	0	32.27	28.20	20.31	
2.15 a.m.	0°12'N. 105°27'E.	10	27	20	31	
		20	29	21	32	
		30	29	21	32	

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Date and hour	Station	Depth	S	<i>t</i>	σ_t	REMARKS.
16 Aug.	24	0	32.50	28.07	20.51	
5.15 a.m.	0°22'N. 105°45'E.	10	50	08	51	
		20	50	08	51	
		30	65	08	62	
16 Aug.	25	0	32.54	27.58	20.70	
8.— a.m.	0°35'N. 106°1'E.	10	54	58	70	
		20	54	58	70	
		30	61	38	82	
		40	77	12	21.03	
		50	33.48	26.40	78	
16 Aug.	26	0	32.43	27.38	20.69	
11.— a.m.	0°47'N. 106°17'E.	10	43	36	69	
		20	43	30	71	
		30	—	26	—	
		40	65	06	95	
		50	56	25.99	21.22	
16 Aug.	27	0	32.26	27.54	20.58	
1.45 p.m.	0°50'N. 106°39'E.	10	45	49	66	
		20	45	38	70	
		30	45	34	71	
		40	33.73	23	21.70	
16 Aug.	28	0	32.29	27.64	20.49	
4.45 p.m.	0°50'N. 107°0'E.	10	29	60	51	
		20	32	54	56	
		30	38	52	59	
		40	57	—	—	
		50	97	51	21.05	
		60	34.—	—	—	
16 Aug.	29	0	32.12	27.59	20.39	
7.50 p.m.	0°50'N. 107°21'E.	10	12	58	39	
		20	12	55	40	
		30	14	51	42	
		40	33.17	53	21.11	

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AUGUST 1919.

Date and hour	Station	Depth	S	<i>t</i>	σ_t	REMARKS.
16 Aug.	30	0	32.56	28.15	20.54	
11.— p.m.	0°49'N. 107°42'E.	10	59	18	55	
		20	59	17	56	
		30	84	27.77	87	
17 Aug.	31	0	—	28.10	—	
2.— a.m.	0°51'N. 108°1'E.	10	—	23	—	
		20	32.47	13	20.48	
		30	65	27.85	70	
17 Aug.	32	0	31.24	28.28	19.50	
4.40 a.m.	0°53'N. 108°23'E.	10	29	45	49	
		20	49	36	66	
		30	49	27.76	86	
17 Aug.	33	0	30.97	28.48	19.23	
7.5 a.m.	0°55'N. 108°43'E.	10	31.08	56	29	
		20	46	60	54	
17 Aug.	34	0	31.58	28.58	19.66	
10.10 a.m.	1°20'N. 108°55'E.	10	58	52	67	
		20	32.81	60	20.57	
17 Aug.	35	0	31.85	28.71	19.82	
0.30 p.m.	1°34'N. 108°46'E.	10	91	54	92	
		20	32.10	67	20.02	
		30	43	45	34	
17 Aug.	36	0	32.34	28.73	20.18	
3.— p.m.	1°48'N. 108°35'E.	10	39	59	27	
		20	47	49	35	
		30	56	50	41	
17 Aug.	37	0	32.77?	28.38	20.62	
5.30 p.m.	1°46'N. 108°16'E.	10	74	37	60	
		20	74	35	60	
		30	74	36	60	
		40	79	38	64	
		50	33.89	23.45	22.98	

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Date and hour	Station	Depth.	S	<i>t</i>	σ_t	REMARKS.
17 Aug. 8.30 p.m.	38 1°45'N. 107°56'E.	0	32.95	28.37	20.76	
		10	95	40	75	
		20	95	40	75	
		30	95	34	77	
		40	95	34	76	
17 Aug. 11.15 p.m.	39 1°41'N. 107°36'E.	0	32.99	28.30	20.81	
		10	99	31	81	
		20	99	33	80	
		30	99	33	80	
		40	33.01	33	81	
18 Aug. 2.15 a.m.	40 1°40'N. 107°16'E.	50	69	27.29	21.65	
		0	32.81	28.15	20.72	
		10	83	14	74	
		20	83	19	73	
		30	86	20	74	
		40	95	17	82	
18 Aug. 5.30 a.m.	41 1°38'N. 106°56'E.	50	33.35	27.50	21.34	
		60	34.20	22.38	23.52	
		0	33.22	28.40	20.95	
		10	22	40	95	
		20	22	41	95	
		30	22	42	95	
18 Aug. 8.30 a.m.	42 1°37'N. 106°36'E.	40	35	37	21.06	
		50	89	25.19	22.47	
		60	34.07	23.25	23.18	
		0	33.37	28.48	21.03	
		10	37	48	03	
		20	37	48	03	
		30	37	48	03	
		40	39	48	05	
		50	75	25.94	22.14	
		60	87	08	49	
		70	34.02	24.04	91	

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AUGUST 1919.

Date and hour	Station	Depth	S	<i>t</i>	σ_t	REMARKS.
18 Aug.	43	0	32.68	28.05		
11.— a.m.	1°30'N. 106°15'E.	10	68	27.99		
		20	79	28.05		
		30	33.01	25		
		40	28	42		
		50	69	25.98		
18 Aug.	44	0	—	—		
1.45 p.m.	1°27'N. 105°57'E.	10	32.26	20.62		
		20	43	65		
		30	61	73		
		40	33.53	21.71		
		50	57	77		
18 Aug.	45	0	32.36	20.53		
4.30 p.m.	1°26'N. 105°36'E.	10	38	63		
		20	45	69		
		30	54	78		
		40	66	87		
		50	33.31	21.36		
18 Aug.	46	0	32.47	28.17	20.46	
7.30 p.m.	1°25'N. 105°18'E.	10	45	12	46	
		20	54	27.68	67	
		30	61	49	79	
		40	68	42	86	
18 Aug.	47	0	31.91	28.29	20.—	
10.15 p.m.	1°24'N. 104°58'E.	10	94	31	02	
		20	32.36	02	43	
		30	47	27.94	54	
		40	61	32	84	
19 Aug.	48	0	29.81	28.69	18.30	
1.10 a.m.	1°30'N. 104°36'E.	10	32.03	20	20.13	
		20	48	27.71	62	

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Date and hour	Station	Depth	S	<i>t</i>	σ_t	REMARKS.
19 Aug.	49	0	29.45	28.62	18.05	
3.15 a.m.	1°20'N. 104°24'E.	10	30.32	69	68	
		20	31.22	41	19.44	
		30	46	30	65	
		40	74	19	90	
		50	32.05	04	20.19	
20 Aug.	50	0	28.71	29.61	17.18	
8.— p.m.	1°15'N. 103°24'E.	10	29.02	13	56	
		20	01	09	57	
		30	05	12	60	
20 Aug.	51	0	29.27	29.84	17.52	
11.— p.m.	1°26'N. 103°7'E.	10	67	48	93	
		20	67	48	93	
		30	81	53	18.02	
21 Aug.	52	0	29.36	29.50	17.70	
1.50 a.m.	1°39'N. 102°48'E.	10	72	41	18.—	
		20	90	48	18.11	
		30	90	49	11	
21 Aug.	53	0	29.81?	29.68	17.97?	
5.45 a.m.	1°49'N. 102°30'E.	10	79	73	94	
		20	30.12	66	18.21	
		30	14	66	22	
21 Aug.	54	0	30.03	29.77	18.10	
8.15 a.m.	2°0'N. 102°14'E.	10	03	84	08	
		20	26	81	26	
		30	26	81	26	
21 Aug.	55	0	30.25	30.08	18.16	
11.— a.m.	2°13'N. 101°57'E.	10	26	29.92	22	
		20	34	84	31	
		30	34	84	31	
21 Aug.	56	0	30.41	30.40	18.30	
2.30 p.m.	2°26'N. 101°41'E.	10	43	29.95	34	
		20	43	94	34	
		30	46	94	36	

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21 Aug.	57	0	30.79	30.13	18.55	
6.10 p.m.	2°38'N. 101°24'E.	10	79	29.86	63	
		20	88	76	74	
		30	93	76	78	
21 Aug.	58	0	31.24	29.90	18.97	
8.10 p.m.	2°46'N. 101°6'E.	10	24	70	19.03	
		20	44	53	23	
		30	46	53	23	
21 Aug.	59	0	31.85	29.80	19.45	
11.— p.m.	2°58'N. 100°50'E.	10	32.01	61	64	
		20	23	32	90	
		30	23	31	90	
22 Aug.	60	0	32.21	29.93	19.68	
1.50 a.m.	3°18'N. 100°44'E.	10	21	83	71	
		20	30	40	92	
		30	52?	09	20.20?	
		40	45	03	16	
		50	65	03	31	
		60	65	04	31	
22 Aug.	61	0	—	29.60	—	
5.— a.m.	3°37'N. 100°38'E.	10	32.34	53	19.90	
		20	36	16	20.05	
		30	59	03	27	
		40	63	28.93	34	
		50	65	93	35	
22 Aug.	62	0	32.07	29.38	19.83	
7.15 a.m.	3°57'N. 100°31'E.	10	16	31	92	
		20	27	31	20.01	
		30	59	03	27	
		40	59	28.89	32	
		50	63	88	35	
		60	70	87	40	

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22 Aug.	63	0	32.30	29.90	19.76	
10.5 a.m.	3°57'N. 100°11'E.	10	30	47	90	
		20	27	43	90	
		30	65	20	20.25	
		40	77	05	40	
		50	77	28.96	43	
		60	92	82	59	
		70	92	81	59	
		80	94	81	60	
22 Aug.	64	0	31.98	30.17	19.42	
1.30 p.m.	3°56'N. 99°51'S.	10	32.03	29.64	65	
		20	27	65	82	
		30	52	33	20.12	
		40	86	17	42	
		50	92	15	47	
		60	95	13	50	
		70	95	28.39	76	
22 Aug.	65	0	31.65	30.10	19.20	
5.— p.m.	3°55'N. 99°32'E.	10	85	29.60	52	
		20	32.05	39	74	
		30	48	41	20.06	
		40	57	35	14	
22 Aug.	66	0	32.03	29.94	19.55	
8.5 p.m.	3°54'N. 99°12'E.	10	50	97	88	
		20	50	87	92	
		30	59	73	20.03	
22 Aug.	67	0	32.12	30.01	19.59	
10.30 p.m.	3°58'N. 98°52'E.	10	32	29.92	76	
		20	34	96	76	
24 Aug.	68	0	28.37	29.05	17.11	
10.— p.m.	0°52'N. 103°35'E.	10	39	04	12	
		20	46	17	13	
25 Aug.	69	0	28.40	—	—	
1.50 a.m.	0°32'N. 103°45'E.	10	42	28.98	17.20	
		20	48	92	23	

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25 Aug.	70	0	28.66	28.77		
5.20 a.m.	0°15'N. 103°54'E.	10	66	80		
		20	66	76		
		30	66	80		
25 Aug.	71	0	28.46	28.85		
8.45 a.m.	0°5'S. 103°59'E.	10	62	86		
		20	82	91		
25 Aug.	72	0	28.66	28.93		
11.20 a.m.	0°27'S. 103°58'E.	10	68	88		
25 Aug.	73	0	29.34	29.28		
2.5 p.m.	0°43'S. 104°6'E.	10	38	28.82		
25 Aug.	74	0	30.16	29.23		
4.45 p.m.	0°56'S. 104°24'E.	10	14	21		
		20	14	13		
25 Aug.	75	0	31.09	29.07		
8.45 p.m.	0°57'S. 104°53'E.	10	17	28.49		
25 Aug.	76	0	32.01	28.73	19.94	
11.45 p.m.	0°59'S. 105°50'E.	10	01	71	94	
		20	01	73	94	
26 Aug.	77	0	32.18	28.44	20.15	
2.50 a.m.	1°7'S. 105°30'E.	10	18	44	15	
		20	18	44	15	
26 Aug.	78	0	31.82	28.76	19.77	
6.— a.m.	1°25'S. 105°20'E.	10	82	82	76	
		20	82	79	77	
		30	82	65	81	
26 Aug.	79	0	31.53	28.57	19.63	
9.10 a.m.	1°43'S. 105°11'E.	10	53	54	63	
		20	51	52	63	
		30	51	51	64	
26 Aug.	80	0	31.74	28.74	19.73	
11.55 a.m.	2°2'S. 105°2'E.	10	71	60	74	
		20	73	51	79	
		30	82	40	89	

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26 Aug.	81	0	31.94	28.69	19.90	
2.40 p.m.	2°15'S. 105°16'E.	10	92	34	20.—	
26 Aug.	82	0	32.18	28.34	20.19	
6.15 p.m.	2°23'S. 105°43'E.	10	18	34	19	
26 Aug.	83	0	32.10	28.22	20.17	
8.45 p.m.	2°42'S. 105°50'E.	10	10	21	17	
		20	10	22	17	
		30	16	21	22	
26 Aug.	84	0	32.14	28.26	20.18	
11.20 p.m.	2°56'S. 106°6'E.	10	14	26	18	
		20	14	29	18	
27 Aug.	85	0	32.10	28.42	20.10	
2.25 a.m.	3°10'S. 106°21'E.	10	09	40	10	