

## SALINITIES, TEMPERATURES AND DENSITIES IN THE STRAITS BETWEEN THE ISLANDS OF THE EASTCOAST OF SUMATRA AND MALACCA STRAIT.

FEBRUARY 1919.

Date and hour	Sation	Depth	S	<i>t</i>	$\sigma_t$	REMARKS.
9 Febr.	1	0	28.12	28.35	17.15	
1.30 p.m.	3°10'S. 106°21'E.	10	29.13	29.12	65	
9 Febr.	2	0	27.75	28.30	16.88	
5 p.m.	2°56'S. 106°6'E.	10	28.04	24	17.11	
9 Febr.	3	0	27.48	28.29	16.68	
8.45 p.m.	2°42'S. 105°50'E.	10	56	19	77	
		20	28.15	28	17.19 <sup>5</sup>	
		30	42	30	38 <sup>5</sup>	
10 Febr.	4	0	28.91	28.16	17.79 <sup>5</sup>	
1 a.m.	2°23'S. 105°43'E.	10	96	16	84	
10 Febr.	5	0	29.58	28.07	18.32	
6.5 a.m.	2°15'S. 105°16'E.	10	60	07	34	
		20	69	11	38 <sup>5</sup>	
10 Febr.	6	0	29.02	28.11	17.90	
9.45 a.m.	2°2'S. 105°2'E.	10	13	27.94	18.04	
		20	99	28.10	63	
		30	30.08	10	69	
10 Febr.	7	0	29.54	28.88	18.03 <sup>5</sup>	
0.15 p.m.	1°43'S. 105°11'E.	10	30.19	14	76 <sup>5</sup>	
		20	93	19	19.30	
		30	31.13	18	45 <sup>5</sup>	
10 Febr.	8	0	31.44	29.28	19.32	
3 p.m.	1°25'S. 105°20'E.	10	47	22	70	
		20	47	16	72 <sup>5</sup>	
10 Febr.	9	0	31.96	28.07	20.12	
5.40 p.m.	1°7'S. 105°30'E.	10	98	27.98	15 <sup>5</sup>	
		20	98	99	15	
10 Febr.	10	0	31.82	28.28	19.93 <sup>5</sup>	
8.15 p.m.	0°95'S. 105°10'E.	10	83	27.97	20.05 <sup>5</sup>	
		20	89	90	12	
10 Febr.	11	0	31.49	28.25	19.71	
11 p.m.	0°57'S. 104°53'E.	10	49	19	72 <sup>5</sup>	
11 Febr.	12	0	24.07	27.80	14.31	
3 30 a.m.	0°56'S. 104°24'E.	10	30.41	28.11	18.94	

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11 Febr.	13	0	27.95	27.83	17.19 <sup>5</sup>	
6.5 a.m.	0°43'S. 104°6'E.	10	28.82	95	80	
11 Febr.	14	0	29.31	28.63	17.94	
9 a.m.	0°27'S. 103°58'E.	10	67	48	18.26	
11 Febr.	15	0	30.39	28.28	18.87 <sup>5</sup>	
11.30 a.m.	0°5'S. 103°59'E.	10	44	—	—	
11 Febr.	16	0	30.84	28.22	19.22 <sup>5</sup>	
1.45 p.m.	0°15'N. 103°54'E.	10	84	18	23 <sup>5</sup>	
		20	84	16	24 <sup>5</sup>	
11 Febr.	17	0	31.11	28.14	19.46	
4.30 p.m.	0°32'N. 103°45'E.	10	11	11	47	
		20	11	12	47 <sup>5</sup>	
11 Febr.	18	0	31.31	28.11	19.61 <sup>5</sup>	
7 p.m.	0°52'N. 103°35'E.	10	35	11	63 <sup>5</sup>	
		20	40	13	67 <sup>5</sup>	
		30	47	14	72 <sup>5</sup>	
11 Febr.	19	0	31.11	27.89	19.54 <sup>5</sup>	
11 p.m.	1°14'N. 103°24'E.	10	13	91	55	
		20	13	90	55	
		30	18	91	59	
12 Febr.	20	0	30.97	27.90	19.42 <sup>5</sup>	
1.30 a.m.	1°26'N. 103°7'E.	10	31.02	94	45	
		20	04	93	47	
		30	04	96	46	
12 Febr.	21	0	30.97	27.92	19.41	
4.15 a.m.	1°39'N. 102°48'E.	10	97	99	39	
		20	97	94	41	
		30	31.—	99	42 <sup>5</sup>	
12 Febr.	22	0	30.73	28.24	19.14	
7.30 a.m.	1°49'N. 102°30'E.	10	75	01	23	
		20	81	27.98	27 <sup>5</sup>	
		30	84	28.01	29	

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12 Febr.	23	0	30.73	28.13	19.17 <sup>5</sup>	
9.55 a.m.	2°0'N. 102°14'E.	10	73	13	17 <sup>5</sup>	
		20	73	08	19	
		30	73	08	19	
12 Febr.	24	0	30.41	28.10	18.92 <sup>0</sup>	
0.15 p.m.	2°13'N. 101°57'E.	10	41	09	94 <sup>5</sup>	
		20	41	08	95	
		30	41	07	95	
12 Febr.	25	0	30.23	28.48	18.87 <sup>5</sup>	
3 p.m.	2°26'N. 101°41'E.	10	23	—	—	
		20	23	41	88 <sup>5</sup>	
12 Febr.	26	0	30.05	28.50	18.54 <sup>5</sup>	
5.45 p.m.	2°38'N. 101°24'E.	10	05	38	58	
		20	12	38	63 <sup>5</sup>	
		30	12	36	64	
		40	12	36	64	
		50	16	37	66 <sup>5</sup>	
12 Febr.	27	0	29.63	28.59	18.21 <sup>5</sup>	
8.20 p.m.	2°46'N. 101°6'E.	10	30.03	50	52	
		20	03	43	54	
		30	03	45	53	
12 Febr.	28	0	29.97	28.12	18.60 <sup>5</sup>	
11 p.m.	2°58'N. 100°50'E.	10	30.23	52	66 <sup>5</sup>	
		20	70	45	19.04	
13 Febr.	29	0	30.08	29.16	18.34 <sup>5</sup>	
2 a.m.	3°18'N. 100°44'E.	10	73	18	83	
		20	73	07	87	
		30	32.—	28.24	20.08	
		40	68	27.99	67 <sup>5</sup>	
		50	83	88	82 <sup>5</sup>	

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13 Febr.	30	0	29.49	29.75	17.71	
7.5 a.m.	3°37'N. 100°38'E.	10	30.39	28	18.54 <sup>5</sup>	
		20	31.26	28.87	19.32 <sup>5</sup>	
		30	32.74	86	20.43	
		40	88	27.79	88 <sup>5</sup>	
		50	33.03	73	21.02 <sup>5</sup>	
13 Febr.	31	0	29.85	29.92	17.92	
7.50 a.m.	3°57'N. 100°31'E.	10	85	76	97 <sup>5</sup>	
		20	30.21	34	18.58	
		30	31.31	28.56	19.46 <sup>5</sup>	
		40	33.06	27.63	21.07 <sup>5</sup>	
13 Febr.	32	0	29.13	30.02	17.35	
10.50 a.m.	3°57'N. 100°11'E.	10	30.08	29.06	18.38	
		20	31.17	28.57	19.36	
		30	32.16	28.11	20.24 <sup>5</sup>	
		40	33.21	27.40	21.25 <sup>5</sup>	
		50	51	22	48 <sup>5</sup>	
		60	55	20	51 <sup>5</sup>	
13 Febr.	33	0	29.54	—	—	
3.15 p.m.	3°56'N. 99°51'E.	10	31.18	28.57	19.37	
		20	96	55	96 <sup>5</sup>	
		30	33.34	27.53	21.39	
		40	51	38	50	
		50	55	38	52 <sup>5</sup>	
		60	58	38	55 <sup>5</sup>	
13 Febr.	34	0	31.11	28.91	19.21	
7.15 p.m.	3°55'N. 99°32'E.	10	32.32	72	20.17	
		20	33.60	27.28	21.59	
13 Febr.	35	0	31.98	29.15	19.76 <sup>5</sup>	
9.45 p.m.	3°54'N. 99°12'E.	10	32.16	28.97	96 <sup>5</sup>	
		20	33.22	27.73	21.17	
		30	80	03	82 <sup>5</sup>	
13 Febr.	36	0	31.64	29.22	19.49 <sup>5</sup>	
11.50 p.m.	3°53'N. 98°52'E.	10	33.31	27.84	21.20	
		20	33.58	74	44	