

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
21 Jan.	1	0	31.26	25.11	27.06	19.90 ⁵	
2.15 p.m.	5°53'S. 107°0'E.	5	26	11	18	86 ⁵	
	31 m.	10	36	20	07	98 ⁵	
		20	—	—	07	—	
		30	55	34	05	20.12 ⁵	
21 Jan.	2	0	31.11	25.—	27.13	19.78 ⁵	
5.15 p.m.	5°35'S. 106°52'E.	10	09	24.98	05	78 ⁵	
	53 m.	20	50	25.31	00	20.11	
		30	64	42	05	19 ⁵	
		40	88	61 ⁵	30	30 ⁵	
		50	94 ⁵	26.47	67	21.05	
21 Jan.	3	0	30.41	24.43	26.94	19.31	
8.30 p.m.	5°17'S. 106°44'E.	10	58	56 ⁵	27.—	42	
	22 m.						
21 Jan.	4	0	29.12	26.39	26.61	18.44 ⁵	
11.30 pm	4°57'S. 106°38'E.	10	13 ⁵	23.40 ⁵	61	46	
	22 m.	20	30.25	24.30	62	19.29	
22 Jan.	5	0	29.19	23.45	26.50	18.53	
2 35 a.m.	4°44'S. 106°30'E.	10	19	45	52	53	
	24 m.	20	19	45	54	52 ⁵	
22 Jan.	6	0	29.57	23.75 ⁵	26.40	18.85 ⁵	
5.50 a.m.	4°30'S. 106°23'E.	10	55	74	—	—	
	18 m.						
22 Jan.	7	0	29.05	23.34	26.54	18.42 ⁵	
9.5 a.m.	4°17'S. 106°16'E.	10	06	35	48	44 ⁵	
	18 m.						
22 Jan.	8	0	28.43	22.84	26.63	17.92 ⁵	
10.35 a.m.	4°3'S. 106°8'E.	10	59 ⁵	97	50	18.08 ⁵	
	15 m.						
22 Jan.	9	0	28.80	23.14	26.63	18.20 ⁵	
1.50 p.m.	3°43'S. 106°21'E.	10	29.36	59	36	70 ⁵	
	15 m.						
22 Jan.	10	0	29.67	23.83	26.57	18.87	
5.5 p.m.	3°30'S. 106°30'E.	10	30.09	24.17 ⁵	60	19.18	
	20 m.	20	07 ⁵	16	57	17 ⁵	

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JANUARY/FEBRUARY 1918.

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22 Jan.	11	0	30.72 ⁵	24.68 ⁵	26.51	19.68 ⁵	
8.15 p.m.	3°14'S. 106°43'E.	10	72 ⁵	68 ⁵	52	68	
	27 m.	20	81 ⁵	75 ⁵	23	83 ⁵	
23 Jan.	12	0	30.89	24.81 ⁵	26.06	19.95	
6.30 a.m.	2°34'S. 106°57'E.	10	99	89	04	20.02	
	—	20	31.04	94	06	06 ⁵	
23 Jan.	13	0	32.17	25.84 ⁵	26.19	20.87 ⁵	
10.5 a.m.	2°30'S. 107°17'E.	10	16	84	20	85 ⁵	
	36 m.	20	19	86 ⁵	20	87	
		30	—	—	21	—	
23 Jan.	14	0	32.30	25.95	26.23	20.95	
1.55 p.m.	2°28'S. 107°37'E.	10	30	95	24	95	
	24 m.	20	30	95	24	95	
23 Jan.	15	0	32.49	26.10 ⁵	26.24	21.09 ⁵	
5.5 p.m.	2°19'S. 107°57'E.	10	51	12	25	10 ⁵	
	40 m.	20	50	11	25	09 ⁵	
		30	57	17	26	14 ⁵	
23 Jan.	16	0	32.75	26.32	26.37	21.25 ⁵	
7.35 p.m.	2°13'S. 108°17'E.	10	79	35	40	27	
	—	20	79	35	40	27	
		30	94 ⁵	47	40	38	
23 Jan.	17	0	32.85	26.39 ⁵	26.44	21.30	
10.30 p.m.	2°8'S. 108°34'E.	10	93	45 ⁵	53	33	
	46 m.	20	98	50	52	38	
		30	—	—	52	—	
24 Jan.	18	0	32.74	26.30	26.53	21.18 ⁵	
1.45 a.m.	2°14'S. 108°55'E.	10	74	30	51	19	
	36 m.	20	74	30	51	19	
		30	74	30	51	19	
24 Jan.	19	0	32.46	26.08	26.52	20.98	
4.35 a.m.	2°23'S. 109°16'E.	10	52	13	50	21.03 ⁵	
	31 m.	20	56	16	63	02	
24 Jan.	20	0	32.14	25.82	26.90	20.62	
7.30 a.m.	2°32'S. 109°38'E.	10	23	90	89	70	
	29 m.	20	32	97	80	79	

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JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth.	S	σ_0	t	σ_t	REMARKS.
24 Jan.	21	0	30.84	24.78	27.08	19.58 ⁵	
9.40 a.m.	2°38'S. 109°52'E.	10	84	78	05	59 ⁵	
	31 m.	20	88	81	08	61 ⁵	
		30	90	82	06	63	
24 Jan.	22	0	31.12	25.00 ⁵	27.21	19.76	
3 p.m.	3°23'S. 110°4'E.	10	12	00 ⁵	19	76 ⁵	
	24 m.	20	12	00 ⁵	19	76 ⁵	
24 Jan.	23	0	32.13	25.81 ⁵	26.74	20.66 ⁵	
6.50 p.m.	3°30'S. 109°45'E.	10	30	95	75	78	
	33 m.	20	32	97	74	80 ⁵	
		30	34	98	76	81	
24 Jan.	23a.	0	32.83 ⁵	26.38 ⁵	26.51	21.27	
11.10 p.m.	3°35'S. 109°26'E.	10	84	39	52	27	
	42 m.	20	—	—	54	—	
		30	83 ⁵	38 ⁵	53	26 ⁵	
25 Jan.	24	0	32.70	26.27	26.49	21.16 ⁵	
4.10 a.m.	3°42'S. 109°3'E.	10	—	—	39	—	
	46 m.	20	—	—	36	—	
		30	69	26 ⁵	38	20	
		40	72	29	44	20	
25 Jan.	25	0	32.67	26.25	26.28	21.21	
8.10 a.m.	3°49'S. 108°43'E.	10	65 ⁵	23 ⁵	28	19 ⁵	
	36 m.	20	69	26 ⁵	31	22	
		30	78	34	29	29 ⁵	
25 Jan.	26	0	32.53	26.13 ⁵	26.53	21.03	
0.10 p.m.	3°55'S. 108°25'E.	10	51	12	49	03	
	40 m.	20	53	13 ⁵	48	04 ⁵	
		30	53	13 ⁵	43	06	
25 Jan.	27	0	—	—	26.31	—	
4.30 p.m.	4°2'S. 108°8'E.	10	32.18	25.85	32	20.82 ⁵	
	30 m.	20	18	85	33	82 ⁵	
		30	21	88	32	85	
25 Jan.	28	0	—	—	26.14	—	
7.55 p.m.	4°4'S. 107°49'E.	10	—	—	19	—	
	36 m.	20	—	—	19	—	
		30	—	—	19	—	

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JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
25 Jan.	29	0	31.60	25.39	26.13	20.46	
11 p.m.	4°7'S. 107°30'E.	10	—	—	14	—	
	27 m.	20	66	44	16	50	
26 Jan.	30	0	31.40	25.23	26.09	20.32 ⁵	
2.20 a.m.	4°10'S. 107°10'E.	10	40	23	09	32 ⁵	
	24 m.	20	45	26 ⁵	11	35	
26 Jan.	31	0	30.81 ⁵	24.75 ⁵	26.16	19.85 ⁵	
5.25 a.m.	4°13'S. 106°54'E.	10	—	—	15	—	
	27 m.	20	93	85	22	92	
26 Jan.	32	0	29.93	24.04 ⁵	26.89	18.96 ⁵	
1.35 p.m.	5°12'S. 106°25'E.	10	98	09	74	19.05 ⁵	
	24 m.	20	30.89	81 ⁵	27.—	65 ⁵	
26 Jan.	33	0	31.73 ⁵	25.49 ⁵	27.06	20.26 ⁵	
4.30 p.m.	5°22'S. 106°12'E.	10	32.16	84	06	59	
	27 m.	20	64	26.22 ⁵	06	94	
		30	—	—	—	—	
26 Jan.	34	0	33.—	26.51 ⁵	27.02	21.22 ⁵	
8 p.m.	5°45'S. 105°58'E.	10	17	65	18	30	
	53 m.	20	19	67	21	31	
		30	25	71 ⁵	22	35	
		40	25	71 ⁵	23	34 ⁵	
		50	28	74	21	37 ⁵	
27 Jan.	35	0	33.27	26.73	27.26	21.35	
8.30 a.m.	6°2'S. 104°47'E.	10	35	80	28	41	
	more than 70 m.	20	42	86	20	49 ⁵	
		30	55	96	18	59	
		40	67	27.05	22	66 ⁵	
		50	—	—	22	—	
27 Jan.	36	0	33.42	26.86	27.23	21.48	
11.10 a.m.	6°14'S. 105°0'E.	10	45	87 ⁵	17	51	
	more than 200 m.	20	54	95	23	56	
		30	57 ⁵	98	26	58	
		40	61	27.01	28	60 ⁵	
		50	74	11	30	69	
		60	77 ⁵	14	28	72	
		70	78	15	29	73	

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Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
27 Jan.	37	0	33.68	27.06	—	21.69 ⁵	
2.55 p.m.	6°26'S. 105°9'E.	10	69	07	27.32	64 ⁵	
	more than 200 m.	20	72	09 ⁵	27	68 ⁵	
		30	79	15 ⁵	27	74 ⁵	
		40	77 ⁵	14	25	73 ⁵	
		50	78	15	25	74 ⁵	
		60	81	17	20	77 ⁵	
		70	90	24	23	83	
27 Jan.	38	0	32.94	26.46	27.10	21.15	
6.30 p.m.	6°32'S. 105°23'E.	10	33.31	77	16	42 ⁵	
	79 m.	20	56	96 ⁵	21	58 ⁵	
		30	62	27.02	19	64 ⁵	
		40	88	22 ⁵	20	83	
		50	—	—	23	—	
		60	34.31	57	23	22.14	
		70	40	64	12	25	
5 Febr.	39	0	29.97	24.08	26.72	19.05	
2.55 p.m.	5°38'S. 107°18'E.	10	30.39	42	75	36	
	57 m.	20	—	—	96	—	
		30	31.55	25.34	96	20.15 ⁵	
		40	32.83 ⁵	26.38 ⁵	27.06	21.09 ⁵	
		50	98	50	10	18 ⁵	
5 Febr.	40	0	29.82	23.96	26.53	19.—	
6.50 p.m.	5°21'S. 107°29'E.	10	98	24.09	68	07	
	42 m.	20	30.92	84 ⁵	23	92	
		30	—	—	24	—	
		40	31.01	91 ⁵	36	94 ⁵	
5 Febr.	41	0	31.51	25.32	26.16	20.38	
9.40 p.m.	5°6'S. 107°40'E.	10	56	36	21	41	
	35 m.	20	86	60	02	69	
		30	97	68 ⁵	03	76 ⁵	
6 Febr.	42	0	32.18	25.85	26.—	20.93	
0.45 a.m.	4°52'S. 107°50'E.	10	18	85	25.99	93	
	33 m.	20	21	88	99	96	
		30	20	87	93	97	

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Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
6 Febr.	43	0	32.21	25.88	25.98	20.96	
2.50 a.m.	4°44'S. 107°55'E.	10	21	88	26.01	95 ^b	
	35 m.	20	25	91	02	98	
		30	27	93	00	21.01	
6 Febr.	44	0	32.20	25.87	26.08	20.92	
5.— a.m.	4°27'S. 108°7'E.	10	20	87	12	91	
	31 m.	20	20	87	14	90 ^b	
		30	21	88	12	92	
6 Febr.	45	0	32.20	25.87	26.10	20.91 ^b	
7.50 a.m.	4°44'S. 108°13'E.	10	20	87	12	91 ^b	
	38 m.	20	20	87	11	91	
		30	20	87	12	91	
6 Febr.	46	0	31.12	25.00 ^b	26.24	20.06 ^b	
10.40 a.m.	5°2'S. 108°18'E.	10	66	44	21	48 ^b	
	46 m.	20	86	60	04	68 ^b	
		30	32.20	87	06	93	
		40	24	90 ^b	06	96 ^b	
6 Febr.	47	0	30.08	24.65	26.60	19.62 ^b	
1.40 p.m.	5°21'S. 108°24'E.	10	70	66	51	66	
	47 m.	20	32.01	25.72	18	75 ^b	
		30	30	95	13	98 ^b	
6 Febr.	48	0	30.80	24.74	26.53	19.73	
4.40 p.m.	5°16'S. 108°33'E.	10	32.27	25.93	54	83 ^b	
	49 m.	20	—	—	29	—	
		30	32.34	98	27	20.96 ^b	
		40	47 ^b	26.09 ^b	22	21.08 ^b	
6 Febr.	49	0	32.32	25.97	26.31	20.94	
7.40 p.m.	5°0'S. 108°45'E.	10	34	98	33	94	
	47 m.	20	34	98	33	94	
		30	38	26.01	31	98	
		40	38 ^b	02	29	99	
6 Febr.	50	0	32.53	26.13 ^b	26.26	21.11 ^b	
10.45 p.m.	4°43'S. 108°57'E.	10	51	12	26	10	
	49 m.	20	51	12	24	11	
		30	51	12	24	11	
		40	53	13 ^b	22	12 ^b	

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Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
7 Febr.	51	0	32.69	26.26 ⁵	26.17	21.26 ⁵	
1.40 a.m.	4°25'S. 109°8'E.	10	69	26 ⁵	17	25 ⁵	
	47 m.	20	69	26 ⁵	20	25 ⁵	
		30	69	26 ⁵	19	25 ⁵	
		40	69	26 ⁵	20	25 ⁵	
7 Febr.	52	0	32.77	26.33	26.21	21.31	
3.30 a.m.	4°16'S. 109°14'E.	10	72	29	23	27	
	44 m.	20	73	29 ⁵	23	27 ⁵	
		30	73	29 ⁵	24	27 ⁵	
		40	86	40	23	37	
7 Febr.	53	0	32.74	26.30	26.23	21.28	
6.20 a.m.	4°16'S. 109°32'E.	10	82	37	26	33	
	38 m.	20	81	36	24	32 ⁵	
		30	81	36	25	32 ⁵	
7 Febr.	54	0	32.73	26.29 ⁵	—	—	
8.45 a.m.	4°36'S. 109°34'E.	10	—	—	26.19	—	
	51 m.	20	69	26 ⁵	28	21.22 ⁵	
		30	74	30	29	25 ⁵	
		40	74	30	29	25 ⁵	
7 Febr.	55	0	32.51	26.12	26.30	21.08 ⁵	
11.40 a.m.	4°54'S. 109°34'E.	10	52	13	28	10	
	57 m.	20	53	13 ⁵	29	10 ⁵	
		30	56 ⁵	16 ⁵	27	13 ⁵	
		40	56 ⁵	16 ⁵	27	13 ⁵	
		50	57	17	21	16	
7 Febr.	56	0	31.49	25.30	26.54	20.24 ⁵	
2.35 p.m.	5°11'S. 109°37'E.	10	49	30	50	25 ⁵	
	57 m.	20	32.23	90	48	83	
		30	53	26.13 ⁵	42	21.07	
		40	53	13 ⁵	34	09	
		50	58	18	35	12 ⁵	
7 Febr.	57	0	31.33	25.17	26.52	20.13	
5.20 p.m.	5°30'S. 109°37'E.	10	33	17	50	13 ⁵	
	57 m.	20	33	17	50	13 ⁵	
		30	32.20	87	38	83	
		40	65	26.23	38	21.16	
		50	67	25	38	18	

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7 Febr.	58	0	31.36 [?]	25.20	26.60	20.13 ⁵	
8.15 p.m.	5°49'S. 109°38'E.	10	31	16	62	09	
	51 m.	20	33	17	61	10	
		30	55 ⁵	35	54	29	
		40	32.51	26.12	39	21.06	
7 Febr.	59	0	31.68	25.45 ⁵	26.59	20.38	
11.20 p.m.	6°71'S. 109°38'E.	10	68	45 ⁵	52 [?]	40 [?]	
	—	20	68	45 ⁵	59	37	
		30	68	45 ⁵	61	37 ⁵	
		40	32.38	26.01	38	96	
8 Febr.	60	0	31.61	25.39 ⁵	26.46	20.36	
1.— a.m.	6°24'S. 109°48'E.	10	61	39 ⁵	58	32 ⁵	
	51 m.	20	64 ⁵	42 ⁵	70	31 ⁵	
		30	66	44	49	39 ⁵	
		40	32.32	97	44	90 ⁵	
8 Febr.	61	0	31.42	25.24	26.59	20.18	
6.30 a.m.	5°51'S. 109°52'E.	10	44	26	60	19	
	55 m.	20	46	27	57	20 ⁵	
		30	51	32	58	25	
		40	54	26.14	49	21.05	
8 Febr.	62	0	31.46	25.27	26.38	20.26 ⁵	
9.— a.m.	5°40'S. 110°10'E.	10	44	26	52	21 ⁵	
	55 m.	20	47	29	52	24 ⁵	
		30	—	—	52	—	
		40	32.52	26.13	52	21.02 ⁵	
8 Febr.	63	0	31.75	25.51	26.51	20.45	
11.30 a.m.	5°35'S. 110°29'E.	10	75	51	51	45	
	60 m.	20	79	54	48	49	
		30	32.56	26.16	43	21.08 ⁵	
		40	65 ⁵	23 ⁵	44	14 ⁵	
		50	65 ⁵	23 ⁵	44	14 ⁵	

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8 Febr.	64	0	31.68	25.45 ⁵	26.61	20.37 ⁵	
2.30 p.m.	5°26'S. 110°46'E.	10	70	46 ⁵	59	38 ⁵	
	69 m.	20	73	49	59	41	
		30	32.23	90	51	81 ⁵	
		40	74 ⁵	26.31	45	21.22	
		50	73	29 ⁵	43	20 ⁵	
		60	81	36	40	28	
8 Febr.	65	0	31.47	25.29	26.65	20.20	
5.15 p.m.	5°18'S. 111°6'E.	10	49	30	67	20 ⁵	
	69 m.	20	55	34	66	24 ⁵	
		30	91 ⁵	64 ⁵	55	57	
		40	—	—	44	—	
		50	32.85	26.39 ⁵	47	21.29	
		60	85	39 ⁵	45	30	
8 Febr.	66	0	31.31	25.16	26.59	20.10	
8.15 p.m.	5°37'S. 111°8'E.	10	37	20 ⁵	53?	16 ⁵	
	58 m.	20	37	20 ⁵	58	14 ⁵	
		30	51	32	56	26	
		40	32.73	26.29 ⁵	43	21.21	
		50	82	37	41	29	
9 Febr.	67	0	31.02	24.92	26.48	19.91	
1.20 a.m.	6°8'S. 111°12'E.	10	62	25.40	52	20.34 ⁵	
	51 m.	20	—	—	57	—	
		30	68	45 ⁵	55	39	
		40	81	55 ⁵	53	49	
		50	32.21	88	48	81	
9 Febr.	68	0	31.46	25.27	26.48	20.23 ⁵	
4.15 a.m.	5°59'S. 111°27'E.	10	49	30	53	25	
	58 m.	20	66	44	51	39	
		30	32.23	90	50	82	
		40	76	26.32 ⁵	52	21.21	
		50	76	32 ⁵	51	21	

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JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth.	S	σ_0	t	σ_t	REMARKS.
9 Febr.	69	0	31.47	25.29	26.39	20.28 ⁵	
7.20 a.m.	5°47'S. 111°45'E.	10	47	29	51	24 ⁵	
	68 m.	20	49	30	51	25 ⁵	
		30	79	54	59	46	
		40	32.18	85	63	74	
		50	71	26.28	72	21.10 ⁵	
		60	76	32 ⁵	70	15	
8 Febr.	70	0	31.47	25.29	26.58	20.22 ⁵	
10.15 a.m.	5°35'S. 112°2'E.	10	51	32	55	26 ⁵	
	68 m.	20	55	34	56	28	
		30	53	33	55	27 ⁵	
		40	75	51	60	42 ⁵	
		50	32.65	26.23	73	21.05 ⁵	
		60	65	23	72	06	
9 Febr.	71	0	31.73	25.49	26.66	20.38 ⁵	
1.15 p.m.	5°21'S. 112°25'E.	10	68	45 ⁵	67	35	
	68 m.	20	68	45 ⁵	59	38	
		30	82 ⁵	57	59	48	
		40	84	58 ⁵	62	48 ⁵	
		50	32.47	26.09	76	91 ⁵	
		60	51	12	76	94 ⁵	
9 Febr.	72	0	31.84	25.58 ⁵	—	—	
4.30 p.m.	5°10'S. 112°40'E.	10	88	61 ⁵	26.71	20.48	
	68 m.	20	88	61 ⁵	69	49	
		30	91 ⁵	64 ⁵	70	52	
		40	91 ⁵	64 ⁵	65	53 ⁵	
		50	95	67	67	55	
		60	32.11	80	72	66	
9 Febr.	73	0	31.91 ⁵	25.64 ⁵	26.75	20.50 ⁵	
7.45 p.m.	5°2'S. 112°57'E.	10	90	63	79	48	
	64 m.	20	90	63	79	48	
		30	90	63	76	49	
		40	90	63	76	49	
		50	90	63	75	49	
		60	91 ⁵	64 ⁵	72	51 ⁵	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
9 Febr.	74	0	31.84	25.58 ⁵	26.67	20.47	
10.45 p.m.	4°52'S. 113°14'E.	10	86	60	69	48	
	60 m.	20	86	60	69	48	
		30	88	61 ⁵	71	49	
		40	90	63	74	49 ⁵	
		50	32.09 ⁵	78 ⁵	72	64 ⁵	
10 Febr.	75	0	31.82 ⁵	25.57	26.96	20.37 ⁵	
1.50 a.m.	4°42'S. 113°32'E.	10	81	55 ⁵	95	36	
	35 m.	20	81	55 ⁵	95	36	
		30	81	55 ⁵	96	36	
10 Febr.	76	0	31.17	25.04	27.06	19.84	
5.5 a.m.	4°34'S. 113°49'E.	10	17	04	04	85	
	22 m.	20	18	05	07	85	
10 Febr.	77	0	29.87 ⁵	24.—	27.17	18.83 ⁵	
8.5 a.m.	4°22'S. 114°11'E.	10	95	06	19	88 ⁵	
	20 m.						
10 Febr.	77a.	0	27.72	22.27	27.48	17.12 ⁵	
0.45 p.m.	4°20'S. 114°52'E.	10	28.93	23.24	25	18.10 ⁵	
	22 m.	20	29.82	96	04	74	
10 Febr.	78	0	30.74	24.70	27.08	19.51 ⁵	
3.30 p.m.	4°33'S. 115°8'E.	10	74	70	09	51 ⁵	
	22 m.	20	76	71 ⁵	03	54 ⁵	
10 Febr.	79	0	31.22	25.08	27.03	19.88 ⁵	
6.5 p.m.	4°47'S. 115°21'E.	10	24	10	00	91 ⁵	
	38 m.	20	—	—	05	—	
		30	26	11	02	92	
10 Febr.	80	0	31.64 ⁵	25.42 ⁵	27.02	20.21 ⁵	
9.— p.m.	5°1'S. 115°39'E.	10	64 ⁵	42 ⁵	02	22	
	46 m.	20	65	43	02	22	
		30	65	43	05	21	
		40	66	44	04	22	
11 Febr.	81	0	31.68	25.45 ⁵	26.96	20.26	
0.5 a.m.	5°11'S. 115°53'E.	10	68	45 ⁵	98	25 ⁵	
	64 m.	20	68	45 ⁵	99	25 ⁵	
		30	75	51	98	30 ⁵	
		40	75	51	97	30 ⁵	
		50	75	51	99	30	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
11 Febr.	82	0	31.66	25.44	26.90	20.26 ⁵	
3.15 a.m.	5°20'S. 116°9'E.	10	66	44	95	25	
	66 m.	20	66	44	93	25 ⁵	
		30	66	44	93	25 ⁵	
		40	72	48	95	29	
		50	74	50	93	31	
		60	—	—	90	—	
11 Febr.	83	0	31.68	25.45 ⁵	26.94	20.27	
6.30 a.m.	5°29'S. 116°21'E.	10	68	45 ⁵	96	26	
	75 m.	20	68	45 ⁵	96	26	
		30	68	45 ⁵	95	26	
		40	68	45 ⁵	96	26	
		50	68	45 ⁵	96	26	
		60	70	46 ⁵	96	27	
11 Febr.	84	0	31.94	25.66	27.12	20.40	
10.25 a.m.	5°50'S. 116°49'E.	10	88	61 ⁵	07	37	
	more than 250 m.	20	88	61 ⁵	04	38 ⁵	
		30	93	65 ⁵	00	43	
		40	32.00 ⁵	71 ⁵	04	47 ⁵	
		50	00 ⁵	71 ⁵	10	47 ⁵	
		60	03	74	28	47 ⁵	
		70	40	26.03 ⁵	39	69 ⁵	
11 Febr.	85	0	31.71	25.47	27.03	20.24 ⁵	
6.50 p.m.	5°11'S. 116°37'E.	10	71	47	02	24 ⁵	
	71 m.	20	66	44	04	21 ⁵	
		30	67	45	04	22 ⁵	
		40	68	45 ⁵	05	23	
		50	68	45 ⁵	04	23	
11 Febr.	86	0	31.65	25.43	27.07	20.20	
9.30 p.m.	4°51'S. 116°30'E.	10	69	46	17	20	
	60 m.	20	71	47	17	20 ⁵	
		30	71	47	18	20 ⁵	
		40	71	47	19	20 ⁵	
		50	73	49	22	21	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
12 Febr.	87	0	29.17	23.43 ⁵	27.15	18.32	
3.30 a.m.	4°27'S. 116°21'E.	10	90	24.02	19	85	
	44 m.	20	31.02	92	28	19.66	
		30	21	25.07 ⁵	33	78 ⁵	
12 Febr.	88	0	—	—	27.33	—	
8.— a.m.	4°17'S. 116°5'E.	10	29.02	23.31	31	18.15	
	40 m.	20	14	41	25	26	
17 Febr.	90	0	29.67	23.83	27.67	18.52	
2.15 a.m.	4°28'S. 114°42'E.	10	31.13	25.01	34	19.72 ⁵	
	26 m.	20	12	00 ⁵	20	72 ⁵	
17 Febr.	91	0	31.82	25.56	27.15	20.29 ⁵	
5.15 a.m.	4°44'S. 114°45'E.	10	76	52	20	25 ⁵	
	26 m.	20	80	55	18	28	
17 Febr.	92	0	32.18	25.85	27.03	20.60 ⁵	
8.20 a.m.	5°5'S. 114°43'E.	10	18	85	03	60 ⁵	
	29 m.	20	18	85	03	60 ⁵	
17 Febr.	93	0	32.05	25.75	26.95	20.54	
11.15 a.m.	5°24'S. 114°36'E.	10	08	77 ⁵	90	57 ⁵	
	31 m.	20	18	85	96	63 ⁵	
17 Febr.	94	0	32.11	25.80	26.98	20.58	
1.55 p.m.	5°42'S. 114°32'E.	10	08	77 ⁵	94	56 ⁵	
	46 m.	20	04	74 ⁵	79	58 ⁵	
		30	09 ⁵	78 ⁵	79	62	
		40	09 ⁵	78 ⁵	79	62	
17 Febr.	95	0	31.86	25.60	26.75	20.46	
5.30 p.m.	6°0'S. 114°27'E.	10	94?	66	75	51 ⁵	
	73 m.	20	88	61 ⁵	75	47 ⁵	
		30	—	—	73	—	
		40	32.05	75	72	61	
		50	05	75	73	61	
		60	05	75	72	61	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
17 Febr.	96	0	31.86	25.60	26.62	20.50	
8.50 p.m.	6°19'S. 114°24'E.	10	86	60	62	50	
	73 m.	20	86	60	62	50	
		30	86	60	62	50	
		40	86	60	63	50	
		50	90	63	64	52 ⁵	
		60	99	70	65	59	
		70	99	70	66	59	
18 Febr.	97	0	32.14	25.82	26.33	20.80	
1.10 a.m.	6°46'S. 114°16'E.	10	14	82	35	79 ⁵	
	71 m.	20	14	82	36	79	
		30	16	84	37	81 ⁵	
		40	65 ⁵	26.23 ⁵	11	21.35 ⁵	
		50	93	45 ⁵	25.91	52 ⁵	
		60	33.39 ⁵	83 ⁵	46	22.01	
18 Febr.	98	0	32.03	25.74	26.43	20.69	
4.45 a.m.	6°30'S. 114°11'E.	10	07	77	50	70	
	77 m.	20	09	78	43	73	
		30	09	78	44	73	
		40	14	82	49	75	
		50	14	82	51	74 ⁵	
		60	14	82	44	76 ⁵	
		70	15	27.44 ⁵	24.08	23.—	
18 Febr.	99	0	—	—	26.42	—	
7.55 a.m.	6°17'S. 114°5'E.	10	31.82 ⁵	25.57	57	20.49	
	77 m.	20	82 ⁵	57	58	48 ⁵	
		30	82 ⁵	57	56	49 ⁵	
		40	82 ⁵	57	54	50	
		50	82 ⁵	57	53	50	
		60	82 ⁵	57	55	50	
		70	32.36	26.—	19	21.01	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
18 Febr.	100	0	31.64 ⁵	25.42 ⁵	26.73	20.30 ⁵	
0.55 p.m.	5°55'S. 113°47'E.	10	64 ⁵	42 ⁵	73	30 ⁵	
	68 m.	20	66	44	68	33 ⁵	
		30	64 ⁵	42 ⁵	60	35	
		40	66	44	60	36 ⁵	
		50	66	44	61	36 ⁵	
		60	68	45 ⁵	64	36	
18 Febr.	101	0	31.88	25.61 ⁵	26.61	20.52 ⁵	
4.45 p.m.	6°5'S. 113°43'E.	10	90	63	64	52 ⁵	
	77 m.	20	88	63	61	54	
		30	88	63	61	54	
		40	88	63	61	54	
		50	88	63	59	55	
		60	88	63	57	55	
		70	32.01	72	55	64	
18 Febr.	102	0	31.98	25.69	26.45	20.64	
8.25 p.m.	6°15'S. 113°30'E.	10	96	68	44	63	
	66 m.	20	96	68	48	62 ⁵	
		30	96	68	50	61 ⁵	
		40	96	68	49	62	
		50	98	69	49	62 ⁵	
		60	32.—	71	31	70	
19 Febr.	103	0	32.01	25.72	26.41	20.68	
0.20 a.m.	6°25'S. 113°18'E.	10	01	72	42	68	
	58 m.	20	01	72	44	67	
		30	37	26.00 ⁵	43	94	
		40	—	—	—	—	
		50	37	00 ⁵	42	94 ⁵	
19 Febr.	104	0	31.84	25.58 ⁵	26.32	20.58	
3.50 a.m.	6°33'S. 113°5'E.	10	86	60	34	59	
	44 m.	20	86	60	33	59	
		30	93	65 ⁵	34	64 ⁵	
		40	97	68 ⁵	38	66	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth.	S	σ_0	t	σ_t	REMARKS
19 Febr. 7.30 a.m.	105 6°22'S. 112°59'E. 62 m.	0	32.—	25.71	26.48	20.65	
		10	32.—	71	49	65	
		20	32.—	71	48	65	
		30	32.00 ⁵	71 ⁵	49	65	
		40	00 ⁵	71 ⁵	49	65	
		50	01	72	50	65 ⁵	
19 Febr. 11.15 a.m.	106 6°10'S. 112°51'E. 68 m.	0	31.86	25.60	26.41	20.57 ⁵	
		10	86	60	41	57 ⁵	
		20	97	68 ⁵	41	65	
		30	97	68 ⁵	42	65	
		40	97	68 ⁵	41	65	
		50	97	68 ⁵	41	65	
19 Febr. 2.35 p.m.	107 5°56'S. 112°40'E. 51 m.	0	32.03	25.74	26.50	20.67 ⁵	
		10	03	74	49	67 ⁵	
		20	04	74 ⁵	51	67 ⁵	
		30	—	—	50	—	
		40	11	80	51	72 ⁵	
		50	—	—	—	—	
19 Febr. 6.5 p.m.	108 5°43'S. 112°22'E. 68 m.	0	31.96?	25.68	26.41	20.64	
		10	88	61 ⁵	41	58 ⁵	
		20	95	67	43	62 ⁵	
		30	94	66	40	63	
		40	32.00 ⁵	71 ⁵	42	67 ⁵	
		50	31.99	70	39	67	
19 Febr. 9.30 p.m.	109 5°27'S. 112°12'E. 66 m.	0	31.91	25.64	26.39	20.61 ⁵	
		10	86	60	40	57	
		20	86	60	40	57	
		30	86	60	40	57	
		40	88	61 ⁵	41	58 ⁵	
		50	90	63	40	60	
60	90	63	39	60 ⁵			

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
20 Febr.	110	0	31.93	25.65 ⁵	26.27	20.66 ⁵	
0.50 a.m.	5°13'S. 112°0'E.	10	32.00 ⁵	71 ⁵	37	69	
	66 m.	20	02	73	36	71	
		30	02	73	36	71	
		40	02	73	38	70 ⁵	
		50	02	73	38	70 ⁵	
		60	02	73	37	70 ⁵	
20 Febr.	111	0	32.00 ⁵	25.71 ⁵	26.37	20.69 ⁵	
4.— a.m.	4°59'S. 111°50'E.	10	02	73	—	—	
	64 m.	20	02	73	37	70 ⁵	
		30	02	73	33	71	
		40	01	72 ⁵	36	70	
		50	01	72	33	70 ⁵	
		60	02	72	—	—	
20 Febr.	112	0	31.90	25.63	26.39	20.60 ⁵	
6.55 a.m.	4°44'S. 111°41'E.	10	32.00	71	39	68	
	58 m.	20	00	71	40	68	
		30	01	72	45	67	
		40	16	84	47	77 ⁵	
		50	18	85	31	83	
20 Febr.	113	0	32.20	25.87	26.40	20.82 ⁵	
10.5 a.m.	4°30'S. 111°31'E.	10	21	88	39	83 ⁵	
	62 m.	20	21	88	39	83 ⁵	
		30	21	88	39	83 ⁵	
		40	21	88	40	83	
		50	21	88	39	83 ⁵	
20 Febr.	114	0	31.95	25.67	26.70	20.54	
1.10 p.m.	4°13'S. 111°23'E.	10	91 ⁵	64 ⁵	67	52 ⁵	
	53 m.	20	—	—	57	—	
		30	88	61 ⁵	57	53 ⁵	
		40	88	61 ⁵	54	54 ⁵	
20 Febr.	115	0	31.63	25.41	26.66	20.31	
4.— p.m.	4°0'S. 111°19'E.	10	64 ⁵	42 ⁵	62	34	
	46 m.	20	66	44	67	34	
		30	68	45 ⁵	54	39 ⁵	
		40	70	46 ⁵	53	40 ⁵	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth	S	σ_0	t	σ_t	REMARKS.
20 Febr.	116	0	32.19	25.86	26.68	20.73	
6.55 p.m.	4°10'S. 111°2'E.	10	20	87	65	74 ⁵	
	49 m.	20	26	92	66	79	
		30	29	94	59	83 ⁵	
		40	37	26.00 ⁵	62	88 ⁵	
20 Febr.	117	0	32.65 ⁵	26.23 ⁵	26.48	21.14	
9.45 p.m.	4°20'S. 110°44'E.	10	83	38	44	28 ⁵	
	46 m.	20	88	42	50	30 ⁵	
		30	88	42	49	30 ⁵	
		40	88	42	50	30 ⁵	
21 Febr.	118	0	32.86	26.40	26.36	21.33 ⁵	
0.50 a.m.	4°30'S. 110°26'E.	10	86	40	35	33 ⁵	
	49 m.	20	86	40	37	33	
		30	86	40	36	33	
		40	86	40	37	38 ⁵	
21 Febr.	119	0	32.84	26.39	26.15	21.38 ⁵	
3.40 a.m.	4°40'S. 110°1'E.	10	88	42	19	40	
	—	20	88	42	20	40	
		30	88	42	20	40	
		40	88	42	19	40 ⁵	
		50	90	43	20	41	
21 Febr.	120	0	32.92	26.45	26.08	21.46 ⁵	
6.30 a.m.	4°50'S. 109°56'E.	10	90	43	10	43 ⁵	
	58 m.	20	92	45	13	45	
		30	92	45	11	45 ⁵	
		40	92	45	12	45 ⁵	
		50	92	45	10	45 ⁵	
21 Febr.	121	0	32.88	26.42	26.04	21.45	
9.30 a.m.	5°2'S. 109°39'E.	10	89	42 ⁵	02	46	
	55 m.	20	87	41	00	45 ⁵	
		30	88	42	01	46 ⁵	
		40	88	42	00	46 ⁵	
		50	88	42	25.98	47	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

JANUARY/FEBRUARY 1918.

Date and hour	Station, reckoning and depth	Depth.	S	σ_0	t	σ_t	REMARKS.
21 Febr.	122	0	32.55	26.15	26.—	21.21	
0.20 p.m.	5°16'S. 109°20'E.	10	73	29 ⁵	08	32	
	—	20	73	29 ⁵	04	32 ⁵	
		30	73	29 ⁵	06	32 ⁵	
		40	74	30	06	33	
		50	74	30	04	33 ⁵	
21 Febr.	123	0	31.69	25.40	26.01	20.56	
3.15 p.m.	5°27'S. 109°8'E.	10	—	—	00	—	
	51 m.	20	32.48	26.10	10	21.13	
		30	56	16	11	18 ⁵	
		40	56	16	10	19	
21 Febr.	124	0	31.47	25.29	26.—	20.40 ⁵	
6.5 p.m.	5°39'S. 108°55'E.	10	47	29	—	—	
	—	20	72	48	06	57	
		30	32.36	26.00	09	21.04	
		40	38	01	12	04	
		50	38	01	15	03 ⁵	
21 Febr.	125	0	31.08 ⁵	24.97 ⁵	26.16	20.06 ⁵	
9.30 p.m.	5°52'S. 108°42'E.	10	13	25.01	20	08 ⁵	
	—	20	32.18	85	20	86 ⁵	
		30	32	97	18	98 ⁵	
		40	32	97	20	98	
22 Febr.	126	0	31.44	25.26	26.43	20.25	
0.40 a.m.	5°58'S. 108°23'E.	10	56	36	40	35	
	—	20	72	48	30	49	
		30	84	58 ⁵	16	63 ⁵	
		40	32.30	95	25.92	21.05	