

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
4 May 6.— p.m.	1 5°52'Z. 107°0'O.	0	31.52	25.32 ⁵	28.78	19.54 ⁵	
		5	91	64	60	90 ⁵	
		10	32.22	89	29	20.24	
		20	63	26.22	28	55	
4 May 9.45 p.m.	2 5°36'Z. 106°52'O.	0	32.08	25.77 ⁵	28.48	20.06 ⁵	
		5	08	77 ⁵	48	06 ⁵	
		10	09	78	18	17 ⁵	
		20	09 ⁵	78 ⁵	16	18	
		30	09 ⁵	78 ⁵	19	18	
5 May 0.45 a.m.	3 5°18'Z. 106°43'O.	0	32.—	25.71	28.37	20.04 ⁵	
		5	01	72	36	05 ⁵	
		10	08	77 ⁵	30	12	
		20	08	77 ⁵	29	13	
5 May 3.15 a.m.	4 5°0'Z. 106°36'O.	0	31.96	25.68	28.37	20.01 ⁵	
		5	32.—	71	37	04 ⁵	
		10	32.—	71	37	04 ⁵	
5 May 5.50 a.m.	5 4°44'Z. 106°30'O.	0	31.73	25.49	28.49	19.80	
		5	73	49	48	80	
		10	73	49	49	80	
5 May 8.30 a.m.	6 4°27'Z. 106°22'O.	0	31.41	25.23 ⁵	28.68	19.50 ⁵	
		5	45	26 ⁵	66	53	
		10	48	29 ⁵	64	56	
5 May 11.— a.m.	7 4°8'Z. 106°14'O.	0	30.72 ⁵	24.68 ⁵	29.29	18.78 ⁵	
		5	70	66	28.72	95	
		10	77	72	76	99 ⁵	
		20	31.46 ⁵	25.28	29.—	19.43 ⁵	
5 May 0.20 p.m.	8 3°58'Z. 106°12'O.	0	30.60	24.58 ⁵	29.61	18.58 ⁵	
		5	34 ⁵	38	28.96	61 ⁵	
		10	26 ⁵	25.12	29.09	19.25 ⁵	
5 May 2.50 p.m.	9 3°37'Z. 106°19'O.	0	30.47	24.48	29.84	18.41	
		5	47	48	04	67 ⁵	
		10	47	48	28.90	72 ⁵	

SALINITIES TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth	S	σ_o	t	σ_t	REMARKS.
5 May 4.40 p.m.	10 3°24'Z. 106°28'O.	0	30.51	24.51	29.50	18.55 ⁵	
		5	47	48	04	68	
		10	90	82	29.—	19.01	
5 May 6.5 p.m.	11 3°15'Z. 106°36'O.	0	30.71	24.67	29.41	18.73	
		0	72	68	32	77	
		10	77	72	28.99	92	
6 May 1.5 a.m.	12 2°34'Z. 106°55'O.	20	32.31	25.96	74	20.15 ⁵	
		0	31.58	25.37	28.79	19.59	
		5	65	43	79	65	
		10	32.11	80	78	99	
6 May 4.— a.m.	13 2°28'Z. 107°11'O.	20	33.07	26.57	54	20.78 ⁵	
		30	29	74 ⁵	51	96 ⁵	
		0	32.31	25.96	28.73	20.15 ⁵	
		5	35	99	75	18	
6 May 6.55 a.m.	14 2°23'Z. 107°32'O.	10	45	26.07	73	25 ⁵	
		20	88	42	63	62	
		30	33.37	81	45	21.04 ⁵	
		0	32.66	26.24	28.60	20.46	
6 May 9.25 a.m.	15 2°22'Z. 107°52'O.	5	70	27	62	48	
		10	70	27	59	49	
		20	33.39	83	45	21.06	
		0	33.11	26.60	28.68	20.77	
6 May 0.15 p.m.	16 2°20'Z. 108°12'O.	5	11	60	60	20.79 ⁵	
		10	11	60	56	81	
		20	37	81	42	21.05	
		30	37	81	28	09 ⁵	
		0	33.11	26.60	28.90	20.69 ⁵	
5	18	66	85	76 ⁵			
10	14	63	66	81			
20	21	68	61	86 ⁵			
30	25	71 ⁵	71 ²	86 ⁵			
40	39	83	27	21.12 ⁵			

SALINITIES TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

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Date and hour	Station	Depth	S	σ_0	t	σ_t	REMARKS.
6 May 3.15 p.m.	17 2°20'Z. 108°31'O.	0	33.07	26.57	29.07	20.61 ⁵	
		5	03 ⁵	54 ⁵	28.98	61 ⁵	
		10	18	66	87	76	
		20	18	66	76	79 ⁵	
		30	25	71 ⁵	79	84	
6 May 6.— p.m.	18 2°20'Z. 108°50'O.	0	32.99 ⁵	26.51 ⁵	29.22	20.51 ⁵	
		5	99 ⁵	51 ⁵	22	51 ⁵	
		10	33.—	51 ⁵	06	56 ⁵	
		20	23	70 ⁵	28.94	78	
		30	37	81	70	96	
6 May 8.40 p.m.	19 2°21'Z. 109°8'O.	0	32.43	26.06	28.90	20.19 ⁵	
		5	59	19	92	30 ⁵	
		10	74	30	29.16	30	
		20	33.20	67 ⁵	10	70	
		30	23	70 ⁵	10	73	
6 May 11.15 p.m.	20 2°29'Z. 109°24'O.	0	32.29 ⁵	25.94 ⁵	29.20	19.97 ⁵	
		5	28	93 ⁵	22	97 ⁵	
		10	40	26.03 ⁵	13	20.10	
		20	33.02	53	10	57	
		30	31.54	25.33 ⁵	29.10	19.46	
7 May 2.5 a.m.	21 2°37'Z. 109°39'O.	0	31.54	25.33 ⁵	29.10	19.46	
		5	76	52	17	60 ⁵	
		10	32.63	26.22	28.94	20.33	
		20	79	35	92	45 ⁵	
		30	79	35	92	45 ⁵	
7 May 9.45 a.m.	22 3°23'Z. 110°4'O.	0	31.35 ⁵	25.19	29.19	19.29	
		5	56	36	03	49 ⁵	
		10	32.17	84 ⁵	28.93	98 ⁵	
		20	43	26.06	85	20.21	
		30	32.45	26.07	29.07	20.14 ⁵	
7 May 0.15 p.m.	23 3°26'Z. 109°41'O.	0	32.45	26.07	29.07	20.14 ⁵	
		5	52	13	28.96	20 ⁵	
		10	50	11	85	26	
		20	79	35	75	51	
		30	81	36	73	52	

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Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
7 May 2.40 p.m.	24 3°30'Z. 109°22'O.	0	32.89	26.42 ⁵	29.04	20.48 ⁵	
		5	89	42 ⁵	28.94	52	
		10	91	44	73	60 ⁵	
		20	33.01	52	65	70 ⁵	
		30	01	52	64	71	
7 May 5.10 p.m.	25 3°41'Z. 109°4'O.	0	32.77	26.33	28.92	20.44	
		5	85	39 ⁵	92	52	
		10	84	39	83	53	
		20	87	41	73	57 ⁵	
		30	89	42 ⁵	69	59 ⁵	
		40	99 ⁵	51 ⁵	60	71 ⁵	
7 May 8.15 p.m.	26 3°45'Z. 108°44'O.	0	32.81	26.36	28.89	20.40	
		5	84	39	89	51	
		10	84	39	89	51	
		20	94 ⁵	47	79	61 ⁵	
		30	96	48 ⁵	80	62 ⁵	
7 May 10.50 p.m.	27 3°51'Z. 108°23'O.	0	32.83	26.38	28.88	20.50	
		5	86	40	87	52	
		10	86	40	90	51 ⁵	
		20	88	42	89	53 ⁵	
		30	89	42 ⁵	90	53 ⁵	
8 May 1.25 a.m.	28 3°56'Z. 108°6'O.	0	32.77	26.33	28.81	20.47 ⁵	
		5	77	33	84	46 ⁵	
		10	77	33	84	46 ⁵	
		20	77	33	84	46 ⁵	
8 May 4. a.m.	29 4°3'Z. 107°47'O.	0	32.61	26.20	28.88	20.33	
		9	61	20	89	33	
		10	61	20	89	33	
		20	61	20	89	33	
		30	61	20	89	33	
8 May 6.40 a.m.	30 4°9'Z. 107°28'O.	0	32.52	26.13	28.76	20.30 ⁵	
		5	52	13	76	30 ⁵	
		10	52	13	76	30 ⁵	
		20	52	13	76	30 ⁵	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
8 May	31	0	32.35	25.99	28.89	20.13	
9.20 a.m.	4°15'Z. 107°10'O.	5	36	26.—	83	16	
		10	37	26.00 ⁵	80	16 ⁵	
		20	35	25.99	79	16 ⁵	
8 May	32	0	32.04	25.74 ⁵	29.27	19.78 ⁵	
0.5 p.m.	4°23'Z. 106°51'O.	5	00 ⁵	71 ⁵	28.96	85 ⁵	
		10	02	73	90	89	
		20	02	73	90	89	
8 May	33	0	31.73	25.49	29.60	19.43	
2.25 p.m.	4°29'Z. 106°31'O.	5	69	46	09	57 ⁵	
		10	73	49	06	60 ⁵	
		20	73	49	04	61 ⁵	
8 May	34	0	31.56	25.36	29.44	19.37	
4.25 p.m.	4°33'Z. 106°17'O.	5	55	34	00	49 ⁵	
		10	55	34	28.95	51	
8 May	35	0	31.73	25.49	29.67	19.40 ⁵	
7.45 p.m.	4°57'Z. 106°20'O.	5	69	46	28.95	62	
		10	91	64	64	89 ⁵	
		20	94	66	56	92 ⁵	
8 May	36	0	31.89	25.62	29.20	19.68 ⁵	
10.30 p.m.	5°16'Z. 106°19'O.	5	32.05	75	28.78	94 ⁵	
		10	11	80	56	20.06	
		20	11	80	54	07	
9 May	37	0	32.15	25.83	28.70	20.05	
1.20 a.m.	5°32'Z. 106°5'O.	5	17	84 ⁵	70	06 ⁵	
		10	35	99	59	23	
		20	52	26.13	38	42 ⁵	
9 May	38	0	32.26	25.92	28.71	20.12 ⁵	
3.15 a.m.	5°48'Z. 105°53'O.	5	35	99	57	24	
		10	35	99	55	24 ⁵	
		20	52	26.13	47	40 ⁵	
		30	53	13 ⁵	43	41 ⁵	
		40	59	19	44	46 ⁵	
		50	59	19	38	48	
		60	61	20	40	49	

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Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
9 May 11.45 a.m.	39 6°6'Z. 104°44'O.	0	32.84	26.39	28.99	20.46 ⁵	
		5	33.34	79	61	97	
		10	57	97	50	21.17	
		20	55	96	45	18	
		30	55	96	46	18	
		40	55	96	44	18	
		50	95 ⁵	27.28 ⁵	03	63	
9 May 2.35 p.m.	40 6°18'Z. 105°0'O.	0	33.20	26.67 ⁵	29.46	20.57 ⁵	
		5	11	60	28.65	78	
		10	—	—	—	—	
		20	49	91	59	21.08 ⁵	
		30	55	96	47	17	
		40	64	27.03	32	29	
		50	78	15	13	49 ⁵	
9 May 6.5 p.m.	41 6°27'Z. 105°11'O.	0	32.82	26.37	28.71	20.54 ⁵	
		5	—	—	—	—	
		10	72	29	55	52 ⁵	
		20	33.11	60	38	87	
		30	11	60	38	87	
		40	12 ⁵	61 ⁵	36	89	
		50	40	84	35	21.10 ⁵	
9 May 9.55 p.m.	42 6°32'Z. 105°23'O.	0	32.51	26.12	28.59	20.34 ⁵	
		5	53	13 ⁵	60	36 ⁵	
		10	57	17	48	43	
		20	66	24	39	53	
		30	84	39	37	67 ⁵	
		40	96	48 ⁵	48	73	
		50	96	48 ⁵	40	75 ⁵	
10 May 1.20 a.m.	43 6°17'Z. 105°40'O.	0	32.41	26.04	28.42	20.33 ⁵	
		5	41	04	42	33 ⁵	
		10	41	04	43	33 ⁵	
		20	42	05	45	33 ⁵	

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Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
10 May	44	0	32.25	25.91	28.40	20.21 ⁵	
4.5 a.m.	6°3'Z. 105°51'O.	5	25	91	42	21 ⁵	
		10	23	90	42	20 ⁵	
		20	24	90 ⁵	41	21	
		30	24	90 ⁵	42	20 ⁵	
		40	24	90 ⁵	43	20 ⁵	
		50	24	90 ⁵	43	20 ⁵	
14 May	45	0	31.45	25.26 ⁵	28.67	19.52 ⁵	
1.15 p.m.	5°59'Z. 106°57'O.	5	52	32 ⁵	66	58 ⁵	
		10	32.04	74 ⁵	83	93	
		20	13	81 ⁵	69	20.05 ⁵	
14 May	46	0	32.24	25.90 ⁵	28.62	20.14	
3.45 p.m.	5°43'Z. 107°7'O.	5	24	90 ⁵	63	14	
		10	26	92	66	14 ⁵	
		20	26	92	66	14 ⁵	
		30	31	96	67	17 ⁵	
14 May	47	0	32.47	26.09	28.44	20.37 ⁵	
6.40 p.m.	5°26'Z. 107°20'O.	5	47 ⁵	09 ⁵	47	37 ⁵	
		10	50	11	47	38 ⁵	
		20	50	11	48	38 ⁵	
		30	52	13	47	40 ⁵	
		40	58	18	48	44 ⁵	
14 May	48	0	32.65 ⁵	26.23 ⁵	28.28	20.56	
9.30 p.m.	5°12'Z. 107°31'O.	5	66	24	30	56 ⁵	
		10	67	25	31	57	
		20	67	25	31	57	
		30	68	26	31	57 ⁵	
15 May	49	0	32.55	26.15	28.32	20.46 ⁵	
0.15 a.m.	5°0'Z. 107°41'O.	5	56 ⁵	16 ⁵	33	48	
		10	56 ⁵	16 ⁵	33	48	
		20	56 ⁵	16 ⁵	33	48	
		30	65 ⁵	23 ⁵	33	55	
15 May	50	0	32.60	26.19 ⁵	28.30	20.51 ⁵	
3.15 a.m.	4°48'Z. 107°50'O.	5	—	—	31	—	
		10	62	26.21	30	20.53	
		20	64	22 ⁵	31	54 ⁵	
		30	64	22 ⁵	31	54 ⁵	

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Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
15 May 5.50 a.m.	51 4°33'Z. 108°2'O.	0	32.64	26.22 ⁵	28.19	20.58	
		5	64	22 ⁵	20	58	
		10	64	22 ⁵	20	58	
		20	64	22 ⁵	20	58	
		30	64	22 ⁵	20	58	
15 May 8.30 a.m.	52 4°19'Z. 108°12'O.	0	32.69	26.26 ⁵	28.16	20.63	
		5	69	26 ⁵	16	62 ⁵	
		10	69	26 ⁵	15	62 ⁵	
		20	69	26 ⁵	13	63 ⁵	
15 May 11.5 a.m.	53 4°37'Z. 108°20'O.	0	32.78	26.34	28.29	20.66	
		5	78	34	22	68	
		10	76	32 ⁵	14	69 ⁵	
		20	80	35 ⁵	10	73	
15 May 2.— p.m.	54 4°55'Z. 108°27'O.	0	32.64	26.22 ⁵	36	20.52 ⁵	
		5	56 ⁵	16 ⁵	18	52 ⁵	
		10	60	19 ⁵	02	61	
		20	65 ⁵	23 ⁵	02	65	
		30	67 ⁵	25	02	66 ⁵	
15 May 4.35 p.m.	55 5°15'Z. 108°31'O.	0	32.47	26.09	28.30	20.41 ⁵	
		5	48	10	24	45	
		10	47	09	06	50	
		20	47	09	28	51 ⁵	
		30	56 ⁵	16 ⁵	06	56 ⁵	
15 May 7.15 p.m.	56 5°34'Z. 108°35'O.	0	32.40	26.03 ⁵	28.20	20.40	
		5	40	03 ⁵	21	40	
		10	45	07	18	43 ⁵	
		20	51 ⁵	12	14	49 ⁵	
		30	60	19 ⁵	17	55 ⁵	
		40	64	22 ⁵	18	58 ⁵	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

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15 May	57	0	32.78	26.34	28.47	20.60	
10.— p.m.	5°51'Z. 108°42'O.	5	80	35 ⁵	47	61	
		10	80	35 ⁵	48	60 ⁵	
		20	80	35 ⁵	45	61	
		30	80	35 ⁵	44	62	
		40	80	35 ⁵	42	62 ⁵	
16 May	58	0	32.55	26.15	28.70	20.34 ⁵	
1.— a.m.	6°9'Z. 108°50'O.	5	55	15	69	34 ⁵	
		10	55	15	69	34 ⁵	
		20	55	15	69	34 ⁵	
		30	56 ⁵	16 ⁵	69	35 ⁵	
		40	56 ⁵	16 ⁵	65	37	
16 May	59	0	32.14	25.82	28.70	20.03 ⁵	
3.45 a.m.	6°26'Z. 108°58'O.	5	14	82	74	03 ⁵	
		10	18	85	69	07	
		20	21	88	77	07	
16 May	60	0	32.07	25.77	28.88	19.92 ⁵	
6.— a.m.	6°39'Z. 109°3'O.	5	06	76	87	92	
		10	06	76	89	91 ⁵	
		20	06	76	88	91 ⁵	
16 May	61	0	32.30	25.95	28.61	20.19	
9.— a.m.	6°25'Z. 109°19'O.	5	30	95	62	19	
		10	33	97	61	20 ⁵	
		20	33	97	60	21	
		30	35	99	59	24	
16 May	62	0	32.64	26.22 ⁵	28.50	20.48 ⁵	
0.5 p.m.	6°12'Z. 109°30'O.	5	64	22 ⁰	39	51 ⁵	
		10	65 ⁵	23 ⁵	34	54	
		20	64	22 ⁵	29	55	
		30	67	25	28	57 ⁵	
		40	69	26 ⁵	26	59	

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16 May 2.40 p.m.	63 6°1'Z. 109°44'O.	0	32.53	26.13 ⁵	28.40	20.43	
		5	53	13 ⁵	40	43	
		10	53	13 ⁵	39	43	
		20	56 ⁵	16 ⁵	24	51	
		30	56 ⁵	16 ⁵	18	53	
		40	58	18	18	54	
16 May 5.20 p.m.	64 5°50'Z. 109°56'O.	0	31.42	25.24	28.20	19.66	
		5	46	27	22	68	
		10	46	27	17	70	
		20	72	48	13	90 ⁵	
		30	32.55	26.15	18	20.58	
		40	56 ⁵	16 ⁵	18	59 ⁵	
16 May 8.10 p.m.	65 5°37'Z. 110°12'O.	0	31.27	25.13	28.27	19.53 ⁵	
		5	33	17	32	55 ⁵	
		10	—	—	—	—	
		20	27	13	15	57 ⁵	
		30	56	36	00	73 ⁵	
		40	84	58 ⁵	04	96 ⁵	
16 May 11.10 p.m.	66 5°30'Z. 110°30'O.	0	32.36	26.—	16	20.28 ⁵	
		5	30.82	24.76	28.28	19.19	
		5	82	76	28	19	
		10	82	76	25	19	
		20	31.36	25.20	06	67	
		30	80	55	18	95 ⁵	
17 May 2.5 a.m.	67 5°23'Z. 110°47'O.	0	32.35	99	26	20.34	
		50	42	26.05	23	40	
		0	30.77	24.72	28.17	19.19	
		5	79	73	18	20	
		10	79	73	19	19 ⁵	
		20	82	76	19	21 ⁵	
		30	32.01	25.72	10	20.14 ⁵	
		40	28	93 ⁵	34	26 ⁵	
		50	37	26.00 ⁵	30	34	
		60	42	05	29	38 ⁵	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth	S	σ_0	t	σ_t	REMARKS.
17 May	68	0	30.84	24.78	28.11	19.26	
5.5 a.m.	5°15'Z. 111°3'O.	5	84	78	11	26	
		10	84	78	11	26	
		20	90	82	09	30 ⁵	
		30	31.34	25.17 ⁵	19	60 ⁵	
		40	32.33	97 ⁵	40	20.27 ⁵	
		50	37	26.00 ⁵	40	30 ⁵	
		60	73	29 ⁵	24	63	
17 May	69	0	30.90	24.82	28.19	19.27 ⁵	
8.15 a.m.	5°37'Z. 111°5'O.	5	93	85	20	30	
		10	—	—	—	—	
		20	91	84	16	30	
		30	31.39	25.22	15	66	
		40	87	61	27	98 ⁵	
		50	91	64	32	99 ⁵	
17 May	70	0	31.47	25.29	28.72	19.54	
10.55 a.m.	5°59'Z. 111°8'O.	5	47	29	68	55	
		10	47	29	63	55	
		20	48	29 ⁵	58	57	
		30	52	32 ⁵	56	62 ⁵	
		40	55 ⁵	35	48	70 ⁵	
		50	—	—	43	—	
17 May	71	0	—	—	28.94	—	
1.30 p.m.	6°20'Z. 111°7'O.	5	31.21	25.07 ⁵	76	19.32 ⁵	
		10	26 ⁵	12	62	41 ⁵	
		20	35 ⁵	19	60	48	
		30	36 ⁵	20 ⁵	57	50 ⁵	
		40	53	33	55	63	
17 May	72	0	31.41	25.23 ⁵	28.78	19.47	
4.25 p.m.	6°6'Z. 111°22'O.	5	41	23 ⁵	78	47	
		10	—	—	64	—	
		20	37	20 ⁵	56	51	
		30	39	22	56	52 ⁵	
		40	52	32 ⁵	51	64	
		50	59	38	45	70 ⁵	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
17 May	73	0	31.45	25.26 ⁵	28.50	19.59	
7.20 p.m.	5°54'Z. 111°34'O.	5	46 ⁵	28	53	58 ⁵	
		10	46 ⁵	28	49	60	
		20	46 ⁵	28	31	66	
		30	54	33 ⁵	30	71 ⁵	
		40	61	39 ⁵	26	78 ⁵	
		50	32.56	26.16	45	20.43	
17 May	74	0	31.23	25.09	28.28	19.49 ⁵	
10.20 p.m.	5°43'Z. 111°55'O.	5	23	09	28	49 ⁵	
		10	23	09	27	49 ⁵	
		20	68	45 ⁵	30	83	
		30	—	—	—	—	
		40	97	68 ⁵	34	20.03	
		50	32.75	26.32	33	66	
18 May	75	0	30.84	24.78	28.29	19.20	
1.10 a.m.	5°33'Z. 112°9'O.	5	86	79	28	21 ⁵	
		10	86	79	29	21	
		30	31.---	91	23	34 ⁵	
		30	34	25.17 ^b	20	59 ⁵	
		40	32.16	84	16	20.23 ⁵	
		50	83	26.38	27.78	85 ⁵	
		60	83	38	.77	86	
18 May	76	5	30.73	24.69	28.28	19.12	
4.10 a.m.	5°21'Z. 112°28'O.	5	73	69	31	11 ⁵	
		10	73	69	28	12	
		20	75	71	30	13 ⁵	
		30	31.56	25.36	23	76	
		40	32.62	26.21	27.81	20.69	
		50	79	35	51	92	
		60	33.05	55 ⁵	11	21.23 ^b	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
18 May	77	0	31.11	25.—	28.38	19.37 ⁵	
7.10 a.m.	5°9'Z. 112°46'O.	5	11	25.—	40	37	
		10	11	25.—	37	38	
		20	15	02	37	40	
		30	98	69	33	20.03 ⁵	
		40	32.49	26.10 ⁵	01	52 ⁵	
		50	94	46	26.62	21.30	
		60	33.26	72	25.92	76 ⁵	
18 May	78	0	31.55	25.34	28.31	19.72	
9.55 a.m.	4°59'Z. 113°2'O.	5	55	34	27	73 ⁵	
		10	55	34	21	75	
		20	56	36	19	77 ⁵	
		30	32.36	26.—	17	20.38	
		40	61	20	27.99	65	
		50	59	48	45	21.06	
		60	33.26	72	25.95	21.75 ⁵	
18 May	79	0	31.57	25.36 ⁵	28.47	19.68 ⁵	
0.50 p.m.	4°48'Z. 113°19'O.	5	57	36 ⁵	45	69	
		10	61	39 ⁵	34	75 ⁵	
		20	59	38	23	77 ⁵	
		30	32.56 ⁵	26.16 ⁵	11	20.55	
		40	92	45	27.39	21.04 ⁵	
		50	33.24	71	40	60	
18 May	80	0	31.49	25.30	28.45	19.63 ⁵	
3.45 p.m.	4°37'Z. 113°31'O.	5	48	29 ⁵	40	64 ⁵	
		10	46 ⁵	28	34	65 ⁵	
		20	55 ⁵	35	18	77	
18 May	81	0	31.45	25.26 ⁵	28.36	19.63	
6.10 p.m.	4°28'Z. 113°47'O.	5	45	26 ⁵	36	63	
		10	—	—	25	—	
		20	32.66	26.24	27.92	19.68 ⁵	
		30	66	24	90	68 ⁵	
18 May	82	0	31.16	25.03	28.44	19.38 ⁵	
8.40 p.m.	4°17'Z. 114°2'O.	5	17 ⁵	04 ⁵	41	41 ⁵	
		10	34	17 ⁵	41	53	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_o	t	σ_t	REMARKS.
19 May	83	0	30.44	24.46	28.18	18.93 ^b	
3.10 a.m.	4°21'Z. 114°52'O.	5	45	46 ^b	20	94	
		10	31.16	25.03	04	19.52	
		20	16	03	03	52	
19 May	84	0	30.69	24.65 ^b	28.36	19.06	
5.45 a.m.	4°35'Z. 115°5'O.	5	69	65 ^b	34	07	
		10	85	78 ^b	36	19	
		20	32.30	25.98	27.73	20.47	
19 May	85	0	30.96	24.87 ^b	28.46	19.23 ^b	
8.35 a.m.	4°49'Z. 115°20'O.	5	98	88 ^b	40	26 ^b	
		10	32.15	25.83	44	20.13	
		20	31.73	49	27.33	16 ^b	
		30	32.74	26.30	31	93	
19 May	86	0	30.87	24.80	28.68	19.09 ^b	
11.20 a.m.	4°59'Z. 115°36'O.	5	31.19	25.06	43	41 ^b	
		10	72	48	19	88 ^b	
		20	32.52	26.13	27.44	20.73	
		30	33.18	66	26.60	21.49 ^b	
19 May	87	0	30.75	24.71	29.07	18.88	
2.— p.m.	5°11'Z. 115°54'O.	5	73	69	28.71	18.98	
		10	77	72	73	19.01	
		20	32.15	25.83	27.99	20.28	
		30	65	26.23	37	85 ^b	
		40	33.09	58 ^b	39	21.49	
		50	40	84	25.55	99 ^b	
19 May	88	0	31.58	25.37	28.79	19.59	
5.5 p.m.	5°19'Z. 116°7'O.	5	58	37	78	59	
		10	—	—	57	—	
		20	31.69	46	42	79	
		30	32.61	26.20	27.60	20.74	
		40	94 ^b	47	26.46	21.24 ^b	
		50	33.42	86	10	73 ^b	
		60	68 ^b	27.06 ^b	24.70	22.45 ^b	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_o	t	σ_t	REMARKS.
19 May 7.45 p.m.	89 5°30'Z. 116°22'O.	0	31.75	25.51	28.29	19.88 ⁵	
		5	75	51	30	88	
		10	93	65 ⁵	30	20.02	
		20	32.02	25.73	28.21	11 ⁵	
		30	65	26.23	07	62 ⁵	
		40	33.02	53	27.34	21.14	
		50	09	58 ⁵	26.51	45	
20 May 0.5 a.m.	90 5°49'Z. 116°50'O.	0	32.—	25.71	28.72	19.93	
		5	03	74	72	96	
		10	03	74	73	96	
		20	17	84 ⁵	69	20.07	
		30	30	95	50	22	
		40	93	26.45 ⁵	27.83	90 ⁵	
		50	33.21	68	74	21.15	
20 May 4.45 a.m.	91 5°29'Z. 116°38'O.	0	31.70	25.46 ⁵	28.34	19.82	
		5	70	46 ⁵	38	81 ⁵	
		10	73 ⁵	49 ⁵	35	85	
		20	32.53	26.13 ⁵	03	20.55	
		30	98	50	27.18	21.16 ⁵	
		40	33.22	70	26.56	54 ⁵	
		50	35	80	06	79 ⁵	
20 May 7.30 a.m.	92 5°12'Z. 116°28'O.	0	31.18	25.05	28.65	19.34	
		5	20	07	64	36	
		10	22	08	64	37	
		20	32.18	85	18	20.23 ⁵	
		30	45	26.07	27.38	69 ⁵	
		40	67	25	26.85	21.04 ⁵	
		50	33.04	55	45	44	
	60	48 ⁵	90 ⁵	25.09	22.19		
	70	52	93 ⁵	24.97	26		

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
20 May 10.30 a.m.	93 4°55'Z. 116°17'O.	0	31.06	24.95	28.53	19.28	
		5	06	95	53	28	
		10	22	25.08	52	40 ⁵	
		20	32.60	26.19 ⁵	27.75	20.75 ⁵	
		30	64	22 ⁵	36	85	
		40	33.10	59	26.06	59 ⁵	
20 May 1.15 p.m.	94 4°34'Z. 116°7'O.	0	31.09	24.98	28.70	19.25 ⁵	
		5	29	25.14	71	41 ⁵	
		10	32.25	91	33	20.24	
		20	62	26.21	27.68	72 ⁵	
		30	—	—	—	—	
		40	32.74 ⁵	31	26.75	80 ⁵	
20 May 4.— p.m.	95 4°14'Z. 116°2'O.	0	31.46 ⁵	25.28	28.05	19.74 ⁵	
		5	88	61 ⁵	06	20.06	
		10	32.20	87	27.94	32 ⁵	
		20	55	26.15	60	70 ⁵	
23 May 7.20 p.m.	96 4°20'Z. 114°39'O.	0	29.99	24.10	28.32	18.56	
		5	30.65	62 ⁵	02	19.15	
		10	90 ⁵	83	07	32	
		20	31.50	25.31	26	70 ⁵	
23 May 10.20 p.m.	97 4°41'Z. 114°41'O.	0	30.43	24.44	27.70	19.08	
		5	47	48	72	11	
		10	31.38	25.21	28.10	66 ⁵	
		20	32.10	79	11	20.20 ⁵	
24 May 1.20 a.m.	98 5°2'Z. 114°42'O.	0	31.20	25.07	27.99	19.57	
		5	22	08	98	58	
		10	31	16	99	65 ⁵	
		20	97	68 ⁵	99	20.14	
24 May 4.5 a.m.	99 5°20'Z. 114°40'O.	0	31.15	25.02	28.14	19.48	
		5	39	22	17	65 ⁵	
		10	—	—	17	—	
		20	50	31	05	78	
		30	32.43	26.06	27.55	20.63	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
24 May	100	0	31.09	24.98	28.24	19.40 ⁵	
7.— a.m.	5°41'Z. 114°34'O.	5	09	98	23	40 ⁵	
		10	11	25.—	25	42	
		20	59	38	37	63 ⁵	
		30	32.26	26.—	27.06	20.73 ⁵	
		40	33.28	74	26.26	21.67 ⁵	
24 May	101	0	31.23	25.09	28.53	19.41 ⁵	
9.55 a.m.	6°4'Z. 114°30'O.	5	21	07 ⁵	36	45 ⁵	
		10	23	09	29	49	
		20	92	65	22	20.04	
		30	32.10	79	20	17 ⁵	
		40	55	26.15	17	52 ⁵	
		50	98	50	26.88	21.26	
		60	33.61	27.01	25.28	22.23	
		70	57 ⁵	26.98	02	28	
24 May	102	0	31.91	25.64	28.48	19.95	
0.40 p.m.	6°22'Z. 114°26'O.	5	89	62	42	94 ⁵	
		10	89	62	24	20.00 ⁵	
		20	96	68	22	06	
		30	31.96	68	21	06 ⁵	
		40	32.08	77 ⁵	22	15	
		50	47 ⁵	26.09 ⁵	27.82	57 ⁵	
		60	33.17	65	26.93	21.38	
		70	72	27.09 ⁵	25.03	22.28 ⁵	
24 May	103	0	31.82 ⁵	25.57	28.51	19.86	
3.35 p.m.	6°41'Z. 114°20'O.	5	82 ⁵	57	51	86	
		10	76	52	37	87	
		20	80	55	31	91 ⁵	
		30	92	65	36	99	
		40	32.—	71	30	20.06 ⁵	
		50	44	26.06 ⁵	27.91	52	
		60	79	35	57	89 ⁵	
		70	33.05	55 ⁵	26.80	21.33 ⁵	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
24 May 6.30 p.m.	104 7°2'Z. 114°23'O.	0	31.73	25.49	28.44	19.81 ⁵	
		5	73	49	44	81 ⁵	
		10	82	56	42	88	
		20	78	53	37	88	
		30	83	58	29	94	
		40	87	61	28	98	
		50	32.14	82	08	20.24 ⁵	
		60	84	26.39	27.23	21.04	
		70	33.10	59	26.56	44	
25 May 9.10 a.m.	106 7°33'Z. 114°36'O.	80	59	99 ⁵	24.48	22.45 ⁵	
		0	31.80	25.55	28.29	19.92 ⁵	
		5	89	62	30	98	
		10	87	61	28	98	
		20	87	61	29	98	
		30	87	61	28	98	
		40	89	62	31	98	
		50	32.01	72	28	20.08	
		60	71	26.28	27.84	73	
25 May 0.5 p.m.	107 6°24'Z. 113°57'O.	70	33.18	66	26.33	21.57 ⁵	
		0	31.89	25.62	28.46	19.93	
		5	89	62	41	94 ⁵	
		10	96	68	30	20.03 ⁵	
		20	96	68	33	02 ⁵	
		30	32.09 ⁵	78 ⁵	28	14	
		40	10	79	31	13 ⁵	
		50	39	26.03	02	21.01 ⁵	
		60	90	43	27.22	09 ⁵	
25 May 2.50 p.m.	108 6°6'Z. 113°47'O.	70	33.29	74 ⁵	25.82	82	
		0	30.99	24.89	28.49	19.24	
		5	31.09	98	47	33 ⁵	
		10	30.95	87	25	33	
		20	31.71	25.47	17	88 ⁵	
		30	96	68	23	20.06	
		40	32.31	96	20	33	
		50	90	26.43	27.38	21.03 ⁵	
		60	33.43	86 ⁵	25.20	22.12	
70	55	96	24.85	31			

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth	S	σ_0	t	σ_t	REMARKS.
25 May 5.35 p.m.	109 5°48'Z. 113°36'O.	0	31.17 ⁵	25.04 ⁵	28.43	19.41	
		5	43	25	43	60	
		10	—	—	—	—	
		20	48	29 ⁵	24	69 ⁵	
		30	52	32 ⁵	16	75	
		40	32.44	26.06 ⁵	227.85	20.54	
		50	33.43	86 ⁵	25.48	22.03	
25 May 8.15 p.m.	110 5°29'Z. 113°26'O.	0	31.28	25.13 ⁵	28.39	19.50 ⁵	
		5	34	17 ⁵	37	54	
		10	33	17	39	54	
		20	71	47	46	78 ⁵	
		30	32.49	26.10 ⁵	03	20.53 ⁵	
		40	90	43	27.56	97 ⁵	
		50	33.25	71 ⁵	25.98	21.74	
25 May 11.5 p.m.	111 5°45'Z. 113°16'O.	0	31.43	25.25	28.39	19.61	
		5	43	25	36	62	
		10	46 ⁵	28	39	63 ⁵	
		20	52	32 ⁵	33	69 ⁵	
		30	87	61	36	95	
		40	32.77	26.33	27.75	20.82	
		50	33.15	64	26.84	21.40 ⁵	
26 May 1.55 a.m.	112 6°0'Z. 113°3'O.	0	31.08	24.97 ⁵	28.42	19.34	
		5	08	97 ⁵	40	34 ⁵	
		10	25	25.10 ⁵	41	46 ⁵	
		20	76	52	41	85 ⁵	
		30	82	56	38	89 ⁵	
		40	32.40	26.03 ⁵	16	20.41 ⁵	
		50	81	36	27.69	86 ⁵	
60	33.22	70	09	21.37 ⁵			

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

FEBRUARY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
26 May 4.50 a.m.	113 6°17'Z. 112°49'O.	0	31.41	25.23 ⁵	28.47	19.56 ⁵	
		5	41	23 ⁵	48	56 ⁵	
		10	43	25	48	58	
		20	45	26 ⁵	49	59 ⁵	
		30	73	49	37	84	
		40	92	65	39	98	
26 May 7.50 a.m.	114 6°39'Z. 112°33'O.	0	30.95	24.87	28.66	19.16 ⁵	
		5	95	87	66	16 ⁵	
		10	31.04	94	66	23 ⁵	
		20	03	93	50	27 ⁵	
		30	26 ⁵	25.12	49	46	
		40	32.22	89	34	20.22	
26 May 9.20 a.m.	115 6°46'Z. 112°27'O.	0	29.05	23.34	28.76	17.71	
		5	30.46	24.47	92	18.70	
		10	31.08 ⁵	97 ⁵	70	19.25	
		20	21	25.07 ⁵	63	36 ⁵	
		30	30	15	65	43 ⁵	
		40	32.22	89	38	20.20 ⁵	
26 May 0.5 p.m.	116 6°25'Z. 112°21'O.	0	31.05	24.94 ⁵	28.98	19.13	
		5	30.99	89	70	17	
		10	99	89	62	19 ⁵	
		20	31.08	97	51	34	
		30	32	25.16 ⁵	47	53 ⁵	
		40	32	16 ⁵	52	52 ⁵	
		50	32.22	89	38	20.20 ⁵	
		60	84	26.39	27.95	83	
26 May 2.30 p.m.	117 6°6'Z. 112°15'O.	0	31.11	25.—	28.80	19.24	
		5	14	01 ⁵	68	29 ⁵	
		10	17 ⁵	04 ⁵	58	35 ⁵	
		20	30	15	61	44 ⁵	
		30	35 ⁵	19	41	54 ⁵	
		40	61	39 ⁵	35	75 ⁵	
		50	32.31	96	29	20.30	
		60	74 ⁵	26.31	27.85	77	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth	S	σ_0	t	σ_t	REMARKS.
26 May 5.10 p.m.	118 5°49'Z. 112°4'O.	0	30.81	24.75	28.86	18.98 ⁵	
		5	86	79	51	19.14 ⁵	
		10	88	81	55	14 ⁵	
		20	31.16	25.03	39	40 ⁵	
		30	39	22	33	60	
		40	32.33	97 ⁵	22	20.33 ⁵	
		50	47 ⁵	26.09 ⁵	05	50 ⁵	
26 May 8.— p.m.	119 5°27'Z. 111°58'O.	0	30.86	24.79	28.65	19.09 ⁵	
		5	88	81	67	11	
		10	86	79	55	12 ⁵	
		20	31.26 ⁵	25.12	42	48	
		30	83	58	39	91	
		40	32.16	84	37	20.17 ⁵	
		50	67	26.25	19	63	
26 May 10.45 p.m.	120 5°8'Z. 111°50'O.	0	30.75	24.71	28.55	19.05	
		5	75	71	52	06	
		10	82	76	50	11	
		20	31.66	25.44	47	77	
		30	87	61	36	95 ⁵	
		40	32.12	81	40	20.12 ⁵	
		50	74 ⁵	26.31	12	68	
27 May 1.25 a.m.	121 4°48'Z. 111°44'O.	0	31.09	24.98	28.61	19.28	
		5	08	97	61	27 ⁵	
		10	09	98	61	28 ⁵	
		20	50	25.31	33	68	
		30	32.07	77	32	20.12	
		40	73	26.29 ⁵	12	67	
		50	74 ⁵	31	28.—	72	
		60	74 ⁵	31	2.99	72	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth	S	σ_0	t	σ_t	REMARKS.
27 May 4.15 a.m.	122 4°29'Z. 111°42'O.	0	31.41	25.23 ⁵	28.58	19.53 ⁵	
		5	46 ⁵	28	58	57	
		10	50	31	59	60	
		20	94	66	18	20.06	
		30	32.21	88	06	31	
		40	64	26.22 ⁵	27.88	68	
27 May 6.55 a.m.	123 4°10'Z. 111°37'O.	0	31.70	25.46 ⁵	28.52	19.76 ⁵	
		5	68	45 ⁵	49	76 ⁵	
		10	69	46	52	76 ⁵	
		20	32.01	72	39	20.04 ⁵	
		30	38 ⁵	26.02	10	42	
		40	65 ⁵	23 ⁵	27.91	68	
27 May 9.50 a.m.	124 3°45'Z. 111°35'O.	0	29.76	23.91	28.64	18.28	
		5	31.59	25.38	47	19.70	
		10	32.62	26.21	02	20.62	
		20	64	22 ⁵	02	63 ⁵	
		30	65 ⁵	23 ⁵	01	65	
27 May 0.15 p.m.	125 3°56'Z. 111°15'O.	0	30.45	24.46	29.37	18.55	
		5	99	89	28.60	19.20 ⁵	
		10	31.78	25.54	40	88	
		20	32.83 ⁵	26.38 ⁵	27.94	20.81	
		30	83 ⁵	38 ⁵	98	80 ⁵	
		40	83 ⁵	38 ⁵	94	81	
27 May 2.55 p.m.	126 4°8'Z. 110°55'O.	0	30.72	24.68	29.34	18.76	
		5	86	79	28.82	19.04	
		10	95	87	17	32 ⁵	
		20	32.67	26.25	06	20.64	
		30	91	44	27.92	87	
		40	95	48	91	91	
27 May 5.20 p.m.	127 4°21'Z. 110°32'O.	0	30.99	24.89	29.33	18.95 ⁵	
		5	99	89	33	96	
		10	31.12	25.00 ⁵	07	19.16	
		20	32.32	97	28.04	20.39	
		30	86	26.40	04	79 ⁵	
		40	86	40	04	79 ⁵	

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

MAY 1917.

Date and hour	Station	Depth.	S	σ_0	t	σ_t	REMARKS.
28 May 9.5 a.m.	133 5°35'Z. 108°52'O.	0	31.02	24.92	28.99	19.10 ⁵	
		5	05	94 ⁵	99	13	
		10	12	25.00 ⁵	29.01	18	
		20	32.37	26.00 ⁵	28.88	20.15	
		30	43	06	52	32	
		40	57	17	49	43	
		50	59	19	45	46	
28 May 11.45 a.m.	134 5°49'Z. 108°35'O.	0	—	—	—	—	
		5	31.45	25.26 ⁵	28.97	19.43	
		10	48	29 ⁵	93	47 ⁵	
		20	32.43	26.06	73	20.25	
		30	43	06	75	24 ⁵	
		40	59	11	94	23	
28 May 2.15 p.m.	135 6°4'Z. 108°19'O.	0	32.26	25.92	28.97	20.04 ⁵	
		5	26	92	95	05	
		10	26	92	90	07	
		20	24	90 ⁵	84	07	
		30	24	90 ⁵	84	07	
		40	28	93 ⁵	85	10	