

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		

Voyage to the fishing grounds on the North Coast of Java,  
SEPTEMBER- OCTOBER 1915. Observations Capt. van Koesveld.

25 Sept.								
12 noon	5°50'S. 108°26'E.	surf.	28°85	33.57			Calm.	
	51 M.	5	28°55	33.57				
		15	28°50	33.68				
		25	28°50	33.68				
		35	28°48	33.60				
		45	28°48	33.86				
6 p.m.	id.	surf.	28°75	33.35			Calm.	
		5	28°68	33.44				
		15	28°55	33.53				
		25	28°50	33.53				
		35	28°50	33.44				
		45	28°45	33.64				
12 m.n.	id.	surf.	28°63	33.70			Calm.	
		5	28°62	33.57				
		15	28°55	33.57				
		25	28°55	33.53				
		35	28°45	33.53				
		45	28°45	33.47				
26 Sept.								
6 a.m.	id.	surf.	28°48	33.56			Calm.	
		5	28°50	33.57				
		15	28°58	33.48				
		25	28°60	33.55				
		35	28°45	—				
		45	28°45	33.73				
7 Oct.								
7.49 a.m.	6°2'S. 108°25'E.	surf.	28°90	33.45			Calm.	
	40 M.	5	28°90	33.54				
8.3 "		15	28°90	33.57				
8.15 "		25	28°90	33.73				
8.27 "		35	28°85	33.70				

TEMPERATURES, SALINITIES AND  
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Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
<b>7 Oct.</b>								
	6°2' S. 108°25'E.	surf.	29°28	33.46			Calm.	
11.30 a.m.		5	28°96	33.39				
11.40 "		15	28°93	33.68				
11.51 "		25	28°90	33.68				
12.2 p.m.		35	28°85	33.80				
	id.	surf.	29°35	33.59			NNE 1	
3.30 "		5	29°16	33.55				
3.52 "		15	28°93	33.49				
4.8 "		25	28°95	33.54				
4.24 "		35	28°87	33.68				
	id.	surf.	29°10	33.60			—	
7.45 "		5	29°08	33.60				
8.2 "		15	28°95	33.64				
8.18 "		25	28°95	33.46				
8.35 "		35	28°90	33.62				
<b>8 Oct.</b>								
12 midnight	id.	surf.	29°—	33.56			SW 1-2	
0.5 a.m.		5	29°—	33.60				
0.15 "		15	28°98	33.60				
0.26 "		25	28°98	33.52				
0.37 "		35	28°88	33.66				
	id.	surf.	28°95	33.56			SW 1 2	
3.29 "		5	28°92	33.60				
3.41 "		15	28°92	33.64				
3.58 "		25	28 93	33.48				
4.12 "		35	28°88	33.66				
	6°32'S. 109°10'E.	surf.	29°59	33.93			S 2	
3.18 a.m.	33 M.	5	28°81	33.83				
3.29 "		15	28°70	33.83				
3.45 "		25	28°41	34.02				
	id.	surf.	28°80	33.85			S 2	
11.2 p.m.		5	28°82	33.75				
11.21 "		15	28°65	33.75				
11.37 "		25	28°45	34.08	N 320° E	10.3		

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Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
<b>9 Oct.</b>								
	6°32'S. 109°10'E.	surf.	28°60	33.96			S 2	
7.25 a.m.		5	28°60	33.87				
7.35 "		15	28°60	33.95				
8.1 "		25	28°45	34.16				
	6°25'S. 109°49'E.	surf.	29°50	34.09			S 2	
6.18 p.m.		5	29°10	33.98				
6.33 "		15	29°—	33.79				
6.48 "		25	28°64	34.22				
7.5 "		35	28°50	34.31				
7.19 "		45	28°45	34.37				
<b>10 Oct.</b>								
	id.	surf.	29°—	33.84				
2.57 a.m.		5	29°—	33.86				
3.35 "		15	29°—	33.86				
3.53 "		25	29°05	34.22				
4.10 "		35	28°45	34.41				
4.26 "		45	28°45	34.43				
	6°27'S. 110°12'E.	surf.	29°2	33.73				
6.56 p.m.	46 M.	5	29°3	33.93				
7.22 "		15	29°1	33.09				
7.34 "		25	28°8	34.08				
7.45 "		35	28°5	34.19				
<b>11 Oct.</b>								
	id.	surf.	29°02	33.86				
2.45 a.m.		5	29°—	33.93				
3.2 "		15	29°02	33.73				
3.20 "		25	28°95	34.03				
3.40 "		35	28°60	34.12				
	id.	surf.	29°19	34.13				
10.26 "		5	29°05	34.01				
10.34 "		15	29°—	33.94				
10.49 "		25	28°95	34.17				
11.5 "		35	28°63	34.46				

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CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
12 Oct.	6°28'S. 111°27'E.	surf.	28°75	34.38				
8.38 p.m.	31 M.	5	28°80	34.22				
8.54 "		15	28°75	34.22				
9.11 "		25	28°60	34.32				
13 Oct.	id.	surf.	28°6	34.04				
4.45 a.m.		5	28°6	33.97				
5.2 "		15	28°6	34.04				
5.13 "		25	28°6	34.12				
	6°18'S. 111°25'E.	surf.	28°90	34.22				
8.41 "		5	28°93	34.21				
9.1 "		15	28°93	34.21				
9.16 "		25	28°43	34.39				
9.34 "		35	28°07	34.58				
	id.	surf.	29°20	33.98				
5.4 p.m.		5	28°85	33.98				
5.14 "		15	28°80	34.02				
5.24 "		25	28°47	34.44				
5.35 "		35	28°10	34.50				
14 Oct.	id.	surf.	28°75	34.29				
0.37 a.m.		5	28°70	33.99				
0.49 "		15	28°70	34.02				
1.— "		25	28°40	34.45				
1.12 "		35	28°10	34.41				

Voyage to the fishing grounds on the North Coast of Java.

NOVEMBER-DECEMBER 1915.

21 Nov.	5°16'S. 111°43'E.	surf.	29°5	33.93				
9.55 a.m.	57 M.	5	29°2	33.85				
		15	29°2	33.69				
		25	29°3	33.96				
		35	29°3	33.80				
		45	29°2	33.94				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS	
					Direction	Velocity in cm. p. sec.			
21 Nov.	5°16'S. 111°43'E.	surf.	29°6	33.85					
2 p.m.		5	29°5	33.87					
2.9 "		15	29°2	33.76					
2.18 "		25	29°2	33.83					
2.27 "		35	29°2	33.85					
2.37 "		45	29°2	33.95					
6 "		id.	surf.	29°5	34.04				
6 "			5	29°44	33.97				
6.11 "			15	29°2	33.91				
6.21 "			25	29°2	33.91				
6.33 "			35	29°15	33.91				
6.43 "			45	29°20	33.91				
10.5 "		id.	surf.	29°35	33.91				
10.14 "			5	29°4	33.85				
10.14 "		15	29°3	33.85					
10.23 "		25	29°4	33.97					
10.32 "		35	29°3	33.85					
10.42 "		45	29°3	33.85					
22 Nov.	id.	surf.	29°2	33.80					
2 a.m.		5	29°2	33.77					
2.12 "		15	29°22	33.77					
2.23 "		25	29°18	33.84					
2.39 "		35	29°20	33.84					
2.57 "		45	29°17	33.89					
6 "		id.	surf.	29°—	33.78				
6 "			5	29°2	33.74				
6.9 "			15	29°2	33.74				
6.23 "			25	29°3	33.93				
6.32 "			35	29°2	33.79				
6.42 "			45	29°2	33.79				
3.56 p.m.		6°34'S. 111°31'E. 33 M.	surf.	29°45	34.19				
4.7 "			5	29°38	34.03				
4.7 "			15	29°04	34.03				
4.17 "			25	28°94	34.03				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
<b>22 Nov.</b>								
	6°34'S. 111°31'E.	surf.	29°—	34.19				
8.4 p.m.		5	29.2	34.12				
8.12 "		15	29°1	34.16				
8.22 "		25	28°9	34.06				
<b>23 Nov.</b>								
	id.	surf.	29°—	34.15				
0.2 a.m.		5	29°—	34.16				
0.27 "		15	29°—	34.08				
0.38 "		25	28°9	34.08				
	id.	surf.	29°2	34.27				
4.1 "		5	29°25	34.12				
4.10 "		15	28°95	34.08				
4.20 "		25	28°9	34.12				
	id.	surf.	29°20	34.24				
8.7 "		5	29°15	34.14				
8.17 "		15	28°90	34.11				
8.34 "		25	28°86	33.97				
	id.	surf.	29°55	34.32				
0.6 p.m.		5	29°36	34.18				
0.15 "		15	28°95	34.14				
0.24 "		25	28°95	34.11				
<b>8 Dec.</b>								
	6°40'S. 113°44'E.	surf.	29°4	33.88				
11.23 a.m.	51 M.	5	29°4	33.85				
		15	29°35	33.97				
		25	29°4	34.26				
		35	29°3	34.55				
		45	28°45	34.60				
7.35 p.m.		surf.	29°3	34.02				
		5	29°35	33.85				
		15	29°35	33.85				
		25	29°3	34.24				
		35	28°87	34.37				
		45	28°70	34.44				

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Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
9 Dec. 3.40 a.m.	6°40'S. 113°44'E.	surf.	29°2	33.70				
		5	29°3	33.70				
		15	29°3	33.57				
		25	29°4	33.97				
		35	29°3	34.26				
		45	29°25	34.42				
9.17 p.m.	id.	surf.	29°—	33.75				
		5	29°1	33.75				
		15	29°3	33.95				
		25	29°4	33.91				
		35	29°4	34.13				
		45	28°9	34.33				
		55	28°8	34.42				
10 Dec. 5.10 a.m.	6°29'S. 113°16'E.	surf.	29°15	33.70				
		5	29°1	33.73				
		15	29°2	33.77				
		25	29°4	33.79				
		35	29°2	33.99				
		45	28°85	34.26				
		55	28°85	34.41				
1.1 p.m.	id.	surf.	29°2	34.21				
		5	29°25	34.07				
		15	29°3	34.12				
		25	29°3	34.09				
		35	29°3	34.11				
		45	28°9	34.33				
		55	28°7	34.47				
11 Dec. 6 a.m.	6°27'S. 112°43'E. 62 M.	surf.	29°1	34.14				
		5	29°1	34.08				
		15	29°2	34.10				
		25	29°2	33.98				
		35	29°2	33.94				
		45	28°9	34.27				
		55	28°6	34.40				





TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
13 Dec. 1 p.m.	6°14'S. 109°43'E. 49 M.	surf. 5 15 25 35 45	29°28 29°2 29°1 29°1 29°1 29°1	32.97 32.91 32.97 32.80 32.97 32.86				
5° "	6°20'S. 109°22'E. 48 M.	surf. 5 15 25 35 45	29°15 29°08 28°95 28°98 29°— 29°2	32.82 32.80 32.74 32.71 32.71 32.74				
14 Dec. 9.45 a.m.	5°58'S. 108°35'E. 48 M.	surf. 5 15 25 35 45	29°02 28°99 28°95 28°95 28°95 28°95	33.19 32.96 33.— 33.— 33.— 33.—				

Voyage to the fishing grounds on the North Coast of Java.

MARCH-APRIL 1916.

28 March 4 p.m.	5 52'S. 106°18'E. 20 M.	surf. 5 15	28°65 28°40 28°15	33.09 32.94 32.84				
29 March 0.1 a.m.	id.	surf. 5 15	27°84 28°10 28°15	31.56 32.65 32.88				
7.55 "	id.	surf. 5 15	27°40 28°10 28°15	30.51 32.65 32.98				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
30 March								
7 p.m.	6°18'S. 109°5' E. 49 M.	surf. 5 15 25 35 45	28°35 28°35 28°33 28°— 27°85 27°82	33.22 33.22 33.18 33.54 33.63 33.63				
31 March								
3.40 a.m.	id.	surf. 5 15 25 35 45	28°20 28°20 28°20 28°— 27°80 27°80	33.10 33.10 33.10 33.46 33.55 33.80				
11.25 „	id.	surf. 5 15 25 35 45	28°70 28°30 28°25 28°— 27°88 27°85	33.18 33.23 33.23 33.63 33.73 33.70				
1 April								
9.34 a.m.	6°3' S. 111°41'E.	surf. 5 15 25 35 45 55	28°84 28°45 28°30 28°30 27°90 27°90 27°90	— — — — — — —				
5.34 p.m.	id.	surf. 5 15 25 35 45 55	28°55 28°45 28°33 28°15 27°90 27°90 27°89	— — — — — — —	N 190° E	7.3		

TEMPERATURES, SALINITIES AND  
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Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
2 April								
1.30 a.m.	6°3' S. 111°41'E.	surf.	28°55	—				
		5	28°60	—				
		15	28°40	—				
		25	28°20	—				
		35	27°90	—				
		45	27°90	—				
		55	27°90	—				
2.15 p.m.	6°5'S. 112°45'E.	surf.	28°8	33.24				
	75 M.	5	28°6	33.25				
		15	28°2	33.27				
		25	28°1	33.26				
		35	28°—	32.26				
		45	28°—	33.33				
		55	27°9	33.32				
		65	24°9	34.23				
10.15 ..	id.	surf.	28°4	33.35				
		5	28°6	33.19				
		15	28°2	33.39				
		25	28°—	33.49				
		35	28°—	33.52				
		45	27°9	33.49				
		55	27°9	33.46				
		65	24°9	34.39				
3 April								
6.15 a.m.	id.	su f.	28°35	33.21				
		5	28°3	33.27				
		15	28°1	33.38				
		25	28°1	33.43				
		35	28°1	33.49				
		45	27°9	33.49				
		55	27°85	33.52				
		65	25°—	34.34				

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Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
<b>3 April</b>								
6.40 p.m.	6°20'S. 113°34'E. 73 M.	surf.	28°55	33.03				
		5	28°55	33.03				
		15	28°20	33.49				
		25	28°03	33.56				
		35	27°90	33.43				
		45	27°85	33.36				
		55	27°75	33.49				
		65	25°—	34.34				
<b>4 April</b>								
2.42 a.m.	id.	surf.	28°40	32.81				
		5	28°40	32.93				
		15	28°43	33.19				
		25	28°05	33.19				
		35	28°—	33.23				
		45	27°80	33.34				
		55	27°70	33.52				
		65	25°55	34.16				
11.17 p.m.	id.	surf.	28°55	33.08				
		5	28°39	32.98				
		15	28°30	33.22				
		25	28°06	33.31				
		35	28°—	33.31				
		45	27°80	33.30				
		55	27°50	33.55				
		65	24°75	34.23				
<b>6 April</b>								
8 a.m.	6°29'S. 108°57'E.	surf.	28°70	—				
		5	28°60	—				
		15	28°50	—				
		25	28°15	—				

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Date and hour	Reckoning and depth	Depth of Observation	<i>t.</i>	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
3 April 6.40 p.m.	6°20'S. 113°34'E. 73 M.	surf.	28°55	33.03				
		5	28°55	33.03				
		15	28°20	33.49				
		25	28°03	33.56				
		35	27°90	33.43				
		45	27°85	33.36				
		55	27°75	33.49				
		65	25°—	34.34				
4 April 2.42 a.m.	id.	surf.	28°40	32.81				
		5	28°40	32.93				
		15	28°43	33.19				
		25	28°05	33.19				
		35	28°—	33.23				
		45	27°80	33.34				
		55	27°70	33.52				
		65	25°55	34.16				
11.17 p.m.	id.	surf.	28°55	33.08				
		5	28°39	32.98				
		15	28°30	33.22				
		25	28°06	33.31				
		35	28°—	33.31				
		45	27°80	33.30				
		55	27°50	33.55				
		65	24°75	34.23				
6 April 8 a.m.	6°29'S. 108°57'E.	surf.	28°70	—				
		5	28°60	—				
		15	28°50	—				
		25	28°15	—				

TEMPERATURES, SALINITIES AND  
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Date and hour.	Reckoning and depth.	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		

Voyages to the fishing grounds in June, July, August, October, November, December 1916 and January 1917.

13 May								
5.30 p.m.	6°42'S. 113°31'E.	surf.	28°4	33.35				
	49 M.	5	28°4	33.08				
		15	28°35	33.08				
		25	28°3	33.08				
		35	28°3	33.08				
		45	28°2	33.12				
11.30 „	id.	surf.	28°3	33.06				
		5	28°35	33.05				
		15	28°35	33.06				
		25	28°3	33.06				
		35	28°3	33.02				
		45	28°3	33.02				
14 Juni								
5.30 a.m.	id.	surf.	28°3	32.97				
		5	28°28	32.97				
		15	28°28	33.03				
		25	28°3	33.03				
		35	28°3	33.03				
		45	28°3	33.06				
11.30 „	id.	surf.	28°4	33.22				
		5	28°4	33.18				
		15	28°33	32.99				
		25	28°3	32.97				
		35	28°3	32.95				
		45	28°3	33.03				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	<i>t.</i>	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
15 Juni	6°42'S. 113°31'E. more than 240 M.	surf.	28°35	32.74				
		20	28°3	32.75				
		40	28°—	32.97				
		60	26°95	33.55				
		80	26°55	33.55				
		100	22°40	34.28				
		120	20°70	34.41				
		140	19°55	34.49				
		160	17°40	34.51				
		180	16°50	34.51				
200	15°90	34.51						
17 Juny 6 p.m.	6°39'S. 112°47'E.	surf.	28°6	32.81				
		5	28°6	32.78				
		15	28°5	32.78				
		25	28°4	33.01				
		35	28°3	33.01				
		45	28°3	33.03				
12 m.n.	id.	surf.	28°5	32.95				
		5	28°5	32.89				
		15	28°5	32.82				
		25	28°5	32.75				
		35	28°38	33.03				
45	28°3	33.03						
18 Juny 6 a.m.	id.	surf.	28°4	32.88				
		5	28°5	32.99				
		15	28°5	32.99				
		25	28°5	32.99				
		35	28°3	33.26				
		45	28°3	33.26				
20 Juny 10.45 a.m.	6°37'S. 110°1' E. 44 M.	surf.	28°6	32.77				
		5	28°55	32.77				
		15	28°55	32.70				
		25	28°55	32.76				
		35	28°55	32.70				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
<b>20 June</b>								
2.30 p.m.	6°37'S. 110°1' E.	surf.	28°8	32.80				
		5	28°78	32.73				
		15	28°58	32.54				
		25	28°58	32.45				
		35	28°6	32.45				
6 p.m.	6°38'S. 109°36'E. 38 M.	surf.	28°9	32.47				
		5	28°9	32.54				
		15	28°75	32.47				
		25	28°7	32.47				
		35	28°7	32.49				
12 m.n.	id.	surf.	28°6	32.58				
		5	28°7	32.59				
		15	28°7	32.59				
		25	28°7	32.46				
		35	28°7	32.46				
<b>21 June</b>								
6 a.m.	id.	surf.	28°7	32.45				
		5	28°7	32.45				
		15	28°7	32.40				
		25	28°7	32.45				
		35	28°8	32.44				
1.10 p.m.	6°33'S. 109°8' E. 35 M.	surf.	29°3	32.78				
		5	29°05	32.78				
		15	28°9	32.74				
		25	28°9	32.84				
<b>12 July</b>								
12 noon	5°40'S. 106°50'E. 48 M.	surf.	28°71	33.08				
		20	28°61	32.86				
		40	28°62	32.79				
6 p.m.	id.	surf.	28°60	32.67				
		5	28°65	32.70				
		15	28°60	32.74				
		25	28°60	32.70				
		35	28°60	32.77				
		45	28°60	32.77				



TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
<b>13 July</b>								
12 m.n.	5°40'S. 106°50'E.	surf.	28°6	32.92				
		20	28°7	32.91				
		40	28°6	32.74				
6 a.m.	id.	surf.	28°5	32.82				
		5	28°6	32.82				
		15	28°6	32.69				
		25	28°6	32.71				
		35	28°6	32.71				
		45	28°6	32.67				
12 noon	id.	surf.	28°5	32.93				
		20	28°5	32.93				
		40	28°6	32.87				
<b>26 July</b>								
12 noon	id.	surf.	28°6	32.97				
		20	28°6	32.82				
		40	28°42	32.71				
6 p.m.	id.	surf.	28°6	32.71				
		5	28°6	32.71				
		15	28°6	32.67				
		25	28°5	32.67				
		35	28°4	32.67				
		45	28°4	32.66				
12 m.n.	id.	surf.	28°6	32.98				
		20	28°6	32.76				
		40	28°42	32.70				
<b>27 July</b>								
6 a.m.	id.	surf.	28°5	—				
		5	28°5	—				
		15	28°5	—				
		25	28°5	—				
		35	28°4	—				
		45	28°4	—				
12 noon	id.	surf.	29°1	32.89				
		20	28°6	32.69				
		40	28°5	32.63				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
10 Aug. 12 noon	5°40'S. 106°50'E.	surf.	28°2	32.80				
		5	28°2	—				
		15	28°3	—				
		25	28°3	32.57				
		35	28°3	—				
		45	28°3	32.57				
6 p.m.	id.	surf.	28°28	32.86				
		5	28°28	32.65				
		15	28°27	32.59				
		25	28°25	32.58				
		35	28°30	32.60				
		45	28°31	32.84				
12 m.n.	id.	surf.	28°7	32.81				
		5	28°5	32.74				
		15	28°3	32.74				
		25	28°3	32.68				
		35	28°3	32.61				
		45	28°3	32.61				
11 Aug. 6 p.m.	6°23'S. 109°53'E. 51 M.	surf.	28°8	32.71				
		5	28°8	32.65				
		15	28°5	32.54				
		25	28°5	32.51				
		35	28°5	32.49				
		45	28°5	32.51				
12 m.n.	id.	surf.	28°5	32.79				
		20	28°5	32.65				
		40	28°5	32.72				
12 Aug. 6 a.m.	id.	surf.	28°4	32.51				
		5	28°4	32.51				
		15	28°4	32.49				
		25	28°45	32.49				
		35	28°45	32.53				
		45	28°45	32.53				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
13 Aug. 11.30 a.m.	6°14'S. 112°11'E.	surf.	28°1	32.66				
		20	28°1	32.64				
		40	28°0	32.56				
		60	27°8	32.69				
14 Aug. 9 a.m.	6°26'S. 112°52'E.	surf.	27°7	33.84				
		20	27°8	33.64				
		40	27°7	33.64				
		60	27°7	—				
16 Aug. 11.30 a.m.  3 p.m.	7°3' S. 115°45'E.	surf.	27°6	33.87				
		5	27°6	33.87				
		15	27°5	33.87				
		25	27°5	33.88				
	7°15'S. 115°39'E. more than 210 M.	surf.	27°75	33.56				
		20	27°50	33.81				
		40	27°48	33.87				
		60	27°23	33.87				
		80	24°25	34.01				
		100	22°06	34.14				
		120	18°3	34.45				
		140	16°42	34.51				
		160	14°89	34.54				
		180	14°03	34.54				
		200	13°48	34.54				
		17 Aug. 2.35 p.m.	7°36'S. 113°15'E. 40 M.	surf.	28°4	33.18		
5	28°—			33.13				
15	27°9			33.17				
25	27°85			33.19				
35	27°7			33.23				
20 Aug. 6 p.m.	6°18'S. 111°44'E. 49 M.	surf.	28°3	33.68				
		5	28°3	33.49				
		15	28°1	33.36				
		25	28°—	33.36				
		35	28°—	33.39				
		45	28°—	33.41				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
20 Aug. 12 m.n.	6°18'S. 109°44'E.	surf.	28°05	33.62				
		5	28°1	33.53				
		15	28°1	33.38				
		25	28°1	33.36				
		35	28°1	33.41				
		45	28°1	33.49				
21 Aug. 6 a.m.	id.	surf.	28°—	33.47				
		5	28°—	33.36				
		15	28°—	33.36	N 330° E	23.2		
		25	28°—	33.36				
		35	28°—	33.41				
		45	28°—	33.41				
24 Aug. 6 a.m.	5°40'S. 106°50'E. 49 M.	surf.	28°42	32.58				
		5	28°32	32.61				
		15	28°38	32.61				
		25	28°35	32.57				
		35	28°35	32.59				
		45	28°3	32.59				
12 noon	id.	surf.	28°6	32.89				
		20	28°4	32.84				
		40	28°3	32.88				
6 p.m.	id.	surf.	28°28	32.75				
		5	28°34	32.75				
		15	28°37	32.62				
		25	28°37	32.62				
		35	28°34	32.62				
		45	28°34	32.58				
12 m.n.	id.	surf.	28°3	32.85				
		20	28°3	32.70				
		40	28°3	32.56				
10 Oct. 12 m.n.	id.	surf.	29°6	32.78				
		20	29°18	32.91				
		40	29°10	32.95				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	<i>t.</i>	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
11 Oct. 6 a.m.	5°40'S. 106°50'E.	surf.	29°2	32.75				
		5	29°2	32.82				
		15	29°2	32.89				
		25	29°1	32.85				
		39	29°1	32.82				
		45	29°1	32.75				
12 noon	5°40'S. 106°50'E.	surf.	29°2	32.87				
		20	29°2	32.73				
		40	29°1	32.79				
6 p.m.	id.	surf.	29°1	32.96				
		5	29°2	32.96				
		15	29°2	32.76				
		25	29°2	32.76				
		35	29°1	32.76				
		45	29°1	32.83				
12 Oct. 11 a.m.	6°6'S. 108°48'E. 49 M.	surf.	29°45	32.96				
		5	29°3	32.96				
		15	29°3	33.03				
		25	29°3	33.03				
		35	29°1	32.98				
		45	28°6	32.94				
13 Oct. 10.30 a.m.	6°32'S. 109°56'E.	surf.	29°35	32.85				
		5	29°4	32.85				
		15	29°35	32.81				
		25	29°3	32.94				
		35	28°75	33.21				
		45	28°7	33.21				
14 Oct. 7.30 a.m.	6°20'S. 111°23'E. 44 M.	surf.	28°95	33.32				
		5	29°—	33.36				
		15	28°82	33.56				
		25	28°81	33.65				
		35	28°8	33.69				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
15 Oct. 5.30 p.m.	6°29'S. 112°22'E. 60 M.	surf.	29°5	33.78				
		5	29°45	33.77				
		15	28°9	33.77				
		25	28°8	33.85				
		35	28°8	33.85				
		45	28°4	33.85				
		55	28°4	33.85				
17 Oct. 7.45 a.m.	7°3' S. 115°46'E. 31 M.	surf.	28°78	34.07				
		5	28°78	34.03				
		15	28°78	34.00				
		25	28°78	34.07				
18 Oct. 7.30 a.m.	7°35'S. 113°57'E.	surf.	29°12	33.41				
		5	29°22	33.41				
		15	29°22	33.55				
		25	29°1	33.61				
		35	28°7	33.81				
		45	28°12	33.81				
24 Oct. 7.45 a.m.	6°29' S. 109°6'E. 37 M.	surf.	28°95	33.30				
		5	28°98	33.17				
		15	28°95	33.14				
		25	28°55	33.31				
25 Oct. 6 p.m.	5°40'S. 106°50'E. 51 M.	surf.	28°4	33.88				
		5	28°4	33.90				
		15	28°4	33.75				
		25	28°4	33.69				
		35	28°4	33.71				
		45	28°4	33.60				
		12 m.n.	id.	surf.	28°3	33.49		
		5	28°3	—				
		15	28°35	—				
		25	28°35	33.56				
		35	28°40	—				
		45	28°40	33.54				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	<i>t.</i>	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
26 Oct. 6 a.m.	5°40'S. 106°50'E.	surf.	28°3	33.51				
		5	28°28	33.58				
		15	28°3	33.58				
		25	28°38	33.55				
		35	28°35	33.51				
		45	28°38	33.59				
26 Oct. 12 noon	id.	surf.	28°5	33.74				
		20	28°3	33.79				
		40	28°3	33.80				
9 Nov. 12 noon	id.	surf.	28°4	33.52				
		5	28°4	—				
		15	28°4	—				
		25	28°4	33.35				
		35	28°2	—				
		45	28°2	33.66				
6 p.m.	id.	surf.	28°3	33.41				
		5	28°4	33.27				
		15	28°4	33.27				
		25	28°4	33.61				
		35	28°2	33.61				
		45	28°2	33.63				
12 m.n.	id.	surf.	28°28	33.48				
		20	28°25	33.61				
		40	28°2	33.81				
22 Nov. 6 p.m.	id.	surf.	28°1	32.8				
		5	28°1	32.77				
		15	28°15	32.90				
		25	28°2	33.36				
		35	28°2	33.36				
		45	28°2	33.36				
12 m.n.	id.	surf.	28°—	33.03				
		20	28°1	33.11				
		40	28°2	33.44				

TEMPERATURES, SALINITIES AND  
CURRENT MEASUREMENTS IN THE JAVA-SEA.

Date and hour	Reckoning and depth	Depth of Observation	t.	S.	Current Observations		Wind	REMARKS
					Direction	Velocity in cm. p. sec.		
23 Nov.								
6 a.m.	5°40'S. 106°50'E.	surf.	28°—	32.90				
		5	28°—	32.90				
		15	28°—	32.90				
		25	28°2	32.90				
		35	28°25	33.36				
		45	28°25	33.44				
12 noon	id.	surf.	28°1	33.21				
		20	28°—	33.18				
		40	28°25	33.51				
7 Dec.								
6 p.m.	id.	surf.	—	—				
		20	—	—				
		40	—	—				
12 m.n.	id.	surf.	28°15	31.72				
		20	28°3	32.35				
		40	28°4	33.41				
8 Dec.								
12 noon	id.	surf.	27°8	31.35				
		20	28°3	32.14				
		40	28°4	33.41				
8 Jan. '17								
12 m.p.	id.	surf.	27°6	30.10				
		20	27°8	33.81				
		40	27°5	33.75				
9 Jan.								
12 noon	id.	surf.	27°6	30.33				
		20	27°7	33.71				
		40	27°4	34.06				



VOYAGES TO THE FISHING GROUNDS  
IN 1919 —

RECKONING			July 1919		Sept. 1919		Nov. 1919		Jan. 1920		March
			S.	t.	S.	t.	S.	t.	S.	t.	S.
5°50'S. 106°10'E.	surf.	31.65	28°4	33.13	28°8	33.08	28°3	32.03	28°1	30.66	
	33 M.	31.67	28°3	33.08	28°4	33.49	28°5	32.79	27°9	32.23	
5°48'S. 106°36'E.	surf.	31.65	28°5	33.21	28°15	33.40	28°2	30.95	27°9	30.64	
	70 M.	31.64	28°25	33.26	28°2	33.55	26°4	33.08	26°5	32.90	
5°44'S. 107°15'E.	surf.	31.67	27°8	33.60	28°—	—	28°6	31.82	28°2	30.84	
	34 M.	31.71	28°—	33.58	28°05	33.49	28°4	—	28°2	33.04	
5°42'S. 107°50'E.	surf.	31.69	27°8	33.58	27°75	33.55	28°5	31.38	27°9	32.23	
	45 M.	31.60	28°05	33.62	28°—	33.58	28°—	32.50	28°5	33.28	
6°0' S. 107°58'E.	surf.	31.71	28°2	33.24	28°1	33.55	29°5	31.82	28°4	32.41	
	30 M.	31.51?	28°3	33.22	28°—	33.68	28°9	31.87	27°4	33.22	
6°0' S. 109°0' E.	surf.	31.83	28°05	34.07	28°2	33.48	28°9	31.73	27°9	32.29	
	50 M.	32.01	28°05	33.96	27°7	33.98	28°9	32.21	27°5	33.33	
6°35'S. 109°16'E.	surf.	31.67	28°2	33.89	27°95	33.48	29°4	32.21	27°8	32.25	
	30 M.	31.55	28°4	33.89	27°9	34.09	29°5	32.23	27°8	33.31	
6°0' S. 110°0' E.	surf.	31.92	27°7	33.69	28°2	33.66	29°6	31.69	27°4	31.60	
	50 M.	32.39	27°6	33.95	27°8	33.98	28°8	32.25	28°—	33.37	
6°30'S. 110°7' E.	surf.	31.74	28°4	33.49	28°25	33.78	29°7	31.76	27°8	30.93	
	45 M.	32.—	28°2	33.58	28°1	33.98	29°—	32.21	27°9	—	
6°30'S. 110°38'E.	surf.	31.92	27°85	33.44	27°4	33.89	29°5	29.78	29°3	32.34	
	20 M.	32.29	27°85	33.71	27°8	34.16	29°5	32.39	28°1	32.97	
6°20'S. 111°16'E.	surf.	32.92	27°6	34.08	27°65	34.16	29°—	32.05	27°8	32.94	
	45 M.	33.06	27°65	34.—	27°5	34.20	29°2	32.34	27°6	33.15	
6°0' S. 111°30'E.	surf.	33.24	27°4	33.95	27°6	34.02	29°1	31.98	27°6	32.38	
	50 M.	33.26	27°35	34.18	27°4	34.09	28°5	32.54	27°7	33.28	
5°51'S. 112°22E.	surf.	33.24	27°—	34.34	27°65	33.84	29°3	32.12	27°9	32.14	
	65 M.	33.80	27°2	34.33	27°4	34.36	28°6	32.16	27°4	33.28	
6°33'S. 112°20'E.	surf.	33.17	27°3	33.82	27°3	33.87	29°4	32.25	27°9	32.50	
	50 M.	33.64	27°6	34.25	27°5	—	28°5	32.43	28°—	33.91?	
6°38'S. 112°39'E.	surf.	33.46	28°2	34.28	27°7	28.24	30°—	30.28	—	32.38	
	50 M.	33.60	27°3	34.23	27°6	34.23	28°45	32.38	28°1	33.26	
6°38'S. 113°11'E.	surf.	33.55	27°1	34.34	27°4	33.77	29°7	32.12	29°—	32.50	
	50 M.	33.60	27°15	34.29	27°7	34.22	28°3	32.38	28°1	33.53	
6°44'S. 113°43'E.	surf.	33.71	26°8	34.18	27°5	33.95	29°8	32.10	29°1	32.23	
	45 M.	33.89	26°15	34.85?	27°3	—	28°75	33.87	27°2	33.46	

## ON THE NORTH COAST OF JAVA

1920.

Salinities by Chlor titration.

1920	May 1920		Aug. 1920			October 1920		REMARKS.
<i>t.</i>	S.	<i>t.</i>	S.	<i>t.</i>	S.	<i>t.</i>		
29°1	32.43	29°6	31.91	29°4	33.10	28°8		
28°6	32.38	29°3	31.94	29°1	33.38	28°4		
28°6	32.43	29°6	31.87	29°—	32.75	29°—		
28°2	32.63	29°2	32.01	28°8	—	28°4		
27°9	32.10	29°—	31.83	28°4	33.44	28°8		
28°1	32.52	29°2	32.10	28°5	33.60	28°9		
28°—	31.98	29°—	32.68	28°4	30.43	28°6		
28°2	32.18	29°3	32.66	28°5	33.64	28°7		
29°1	31.74	29°—	32.48	28°4	33.35	28°4		
28°1	31.92	29°2	32.84	28°5	33.37	28°6		
28°4	31.53	29°1	33.13	28°4	33.12	27°6		
28°2	32.20	29°2	33.17	28°4	33.55	28°6		
28°9	30.10	28°9	32.77	28°6	33.64	28°8		
28°2	30.62	29°2	33.04	28°4	33.71	28°9		
28°6	31.02	28°8	32.42	28°7	33.51	28°6		
28°2	31.56	29°—	33.66	28°2	33.95	28°6		
28°—	30.01	28°8	32.97	28°—	33.15	28°8		
28°—	—	29°2	33.49	27°9	33.82	28°9		
29°3	29.78	28°7	33.44	28°—	33.64	28°3		
28°3	30.26	29°1	33.46	28°2	33.78	28°8		
28°6	31.31	29°6	33.55	28°1	33.31	28°6		
27°9	31.35	29°—	33.64	28°1	33.91	28°7		
28°8	31.24	29°—	33.82	27°9	33.24	28°6		
28°1	32.74	28°9	33.86	27°9	33.98	28°6		
29°—	31.46	28°1	33.82	27°8	33.51	28°8		
28°1	32.43	27°2	33.98	27°8	34.—	28°4		
28°8	30.93	28°8	33.66	28°2	33.98	28°8		
27°2	33.42	28°1	33.82	28°—	34.13	28°3		
28°9	31.24	28°7	—	—	—	—		
27°9	32.73	28°4	—	—	—	—		
28°5	31.31	28°4	—	—	—	—		
27°5	32.48	28°5	—	—	—	—		
28°8	32.48	28°6	—	—	—	—		
27°5	32.59	28°6	—	—	—	—		



## ON THE NORTH COAST OF JAVA

1920.

Salinities by Chlor titration.

1920		May 1920		Aug. 1920		October 1920		REMARKS.
<i>t.</i>	S.	<i>t.</i>	S.	<i>t.</i>	S.	<i>t.</i>		
29°—	32.65	28°4	—	—	—	—		
27°3	32.88	28°2	—	—	—	—		
28°8	31.74	28°7	—	—	—	—		
28°1	32.70	28°7	—	—	—	—		
28°8	31.36	29°—	—	—	—	—		
26°4	33.64	26°9	—	—	—	—		
29°5	31.5	29°—	33.24	28°9	33.23	30°8		
29°1	33.24	28°9	33.24	28°—	33.64	28°6		
—	32.59	—	—	—	—	—		
—	33.49	—	—	—	—	—		

### CORRIGENDA.

- Page 1, line 12 from below  
for "ocean bottom" read: "sea bottom".
- „ 3, line 9 from below  
for "steady blowing" read: "moderate blowing".
- „ 4, last line  
for "lea-side" read: "weather-side".
- „ 5, line 2 from below  
for "1 to 10" read: "0 to 10".
- „ 9, line 2  
for "1.4" read: "1.3".
- „ 16, line 7  
for "deep sea charts" read: "bathymetrical chart".
- „ 18, line 21  
for "110" read: "100".
- „ 20, line 19  
for "drifts" read: "drift-currents".
- „ 29, line 18  
for "Lat" read: "Long".
- „ 29, line 27  
for "( $\sigma$ )" read: "( $\sigma_t$ )".

Charts 1-1V. Surface Salinities,  
February-November 1918:  
for "Hydrometer Determinations"  
read "Chlor Titration Determinations".