

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

AUGUST 1918.

| Date and hour | Station, reckoning and depth | Depth | S | σ_0 | t | σ_t | REMARKS. |
|---------------|------------------------------|-------|--------------------|--------------------|-------|--------------------|----------|
| 5 Aug. | 1 | 0 | 32.28 | 25.93 ⁵ | 28.11 | 20.34 | |
| 0.30 p.m. | 5°52'S. 107°0'E. | 10 | 28 | 93 ⁵ | 27.91 | 40 | |
| | 29 m. | 20 | 31 | 96 | 89 | 43 | |
| 5 Aug. | 2 | 0 | 32.37 | 26.00 ⁵ | 27.94 | 20.46 | |
| 3.30 p.m. | 5°34'S. 106°51'E. | 10 | 43 | 06 | 92 | 51 ⁵ | |
| | 51 m. | 20 | 41 | 04 | 76 | 54 ⁵ | |
| | | 30 | 59 | 19 | 76 | 68 ⁵ | |
| | | 40 | 59 | 19 | 74 | 69 ⁵ | |
| | | 50 | — | — | 70 | — | |
| 5 Aug. | 3 | 0 | — | — | 27.95 | — | |
| 6.30 p.m. | 5°16'S. 106°43'E. | 10 | — | — | 94 | — | |
| | 24 m. | 20 | — | — | 94 | — | |
| 5 Aug. | 4 | 0 | 32.37 | 26.00 ⁵ | 28.06 | 20.42 | |
| 9.40 p.m. | 4°55'S. 106°35'E. | 10 | 37 | 00 ⁵ | 06 | 42 | |
| | 22 m. | 20 | 37 | 00 ⁵ | 06 | 42 | |
| 5 Aug. | 5 | 0 | 32.34 | 25.98 | 28.13 | 20.37 | |
| 11.45 p.m. | 4°42'S. 106°29'E. | 10 | 35 | 99 | 13 | 38 | |
| | 22 m. | 20 | 40 | 26.03 ⁵ | 13 | 42 ⁵ | |
| 6 Aug. | 6 | 0 | 32.38 | 26.01 | 28.18 | 20.38 ⁵ | |
| 2.30 a.m. | 4°25'S. 106°23'E. | 10 | 38 | 01 | 17 | 38 ⁵ | |
| | 22 m. | 20 | 38 | 01 | 17 | 38 ⁵ | |
| 6 Aug. | 7 | 0 | 32.45 | 26.07 | 27.93 | 20.52 | |
| 5.20 a.m. | 4°20'S. 106°43'E. | 10 | 52 | 13 | 95 | 57 | |
| | 20 m. | | | | | | |
| 6 Aug. | 8 | 0 | 32.41 | 26.04 | 27.79 | 20.54 | |
| 9 a.m. | 4°14'S. 107°5'E. | 10 | 52 | 13 | 80 | 62 | |
| | 22 m. | 20 | 52 | 13 | 78 | 62 ⁵ | |
| 6 Aug. | 9 | 0 | 32.71 | 26.28 | 27.78 | 20.76 | |
| 0.15 p.m. | 4°9'S. 107°25'E. | 10 | 76 | 32 ⁵ | 69 | 83 ⁵ | |
| | 27 m. | 20 | 93 | 45 ⁵ | 69 | 95 ⁵ | |
| 6 Aug. | 10 | 0 | 32.83 ⁵ | 26.38 ⁵ | 27.71 | 20.88 | |
| 3.10 p.m. | 4°3'S. 107°45'E. | 10 | 83 ⁵ | 38 ⁵ | 68 | 89 | |
| | 27 m. | 20 | 87 | 41 | 65 | 93 ⁵ | |
| 6 Aug. | 11 | 0 | 32.73 | 26.29 ⁵ | 27.58 | 20.84 | |
| 7.25 p.m. | 3°56'S. 108°3'E. | 10 | 78 | 34 | 60 | 88 | |
| | 29 m. | 20 | 78 | 34 | 58 | 88 ⁵ | |

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AUGUST 1918.

| Date and hour | Station, reckoning and depth | Depth | S | σ_0 | t | σ_t | REMARKS. |
|---------------|------------------------------|-------|-----------------|--------------------|-------|--------------------|----------|
| 6 Aug. | 12 | 0 | 32.91 | 26.44 | 27.57 | 20.98 | |
| 10.15 p.m. | 3°52'S. 108°24'S. | 20 | 91 | 44 | 56 | 98 ⁵ | |
| | 35 m. | 10 | 91 | 44 | 56 | 98 ⁵ | |
| | | 30 | 96 | 48 ⁵ | 56 | 21.02 ⁵ | |
| 6 Aug. | 13 | 0 | 33.14 | 26.63 | 27.39 | 21.22 | |
| 2.25 a.m. | 3°50'S. 108°45'E. | 10 | 14 | 63 | 40 | 21 ⁵ | |
| | 36 m. | 20 | 15 | 64 | 40 | 22 ⁵ | |
| | | 30 | 15 | 64 | 40 | 22 ⁵ | |
| 6 Aug. | 14 | 0 | 33.24 | 26.71 | 27.32 | 21.31 ⁵ | |
| 5.15 a.m. | 3°48'S. 109°6'E. | 10 | 24 | 71 | 32 | 31 ⁵ | |
| | 38 m. | 20 | 24 | 71 | 32 | 31 ⁵ | |
| | | 30 | 24 | 71 | 31 | 31 ⁵ | |
| 7 Aug. | 15 | 0 | 33.21 | 26.68 | 27.37 | 21.26 ⁵ | |
| 8.30 a.m. | 3°38'S. 109°23'E. | 10 | 22 | 70 | 33 | 30 | |
| | 57 m. | 20 | 22 | 70 | 34 | 30 | |
| | | 30 | 24 | 71 | 35 | 30 ⁵ | |
| | | 40 | 24 | 71 | 35 | 30 ⁵ | |
| | | 50 | 24 | 71 | 35 | 30 ⁵ | |
| 7 Aug. | 16 | 0 | 32.87 | 26.41 | 27.48 | 20.98 | |
| 11.45 a.m. | 3°30'S. 109°39'E. | 10 | 87 | 41 | 40 | 21.00 ⁵ | |
| | 35 m. | 20 | 89 | 42 ⁵ | 39 | 02 ⁵ | |
| | | 30 | 89 | 42 ⁵ | 34 | 04 | |
| 7 Aug. | 17 | 0 | 32.69 | 26.26 ⁵ | 27.49 | 20.84 | |
| 3.20 p.m. | 3°24'S. 110°0'E. | 10 | 69 | 26 ⁵ | 46 | 85 | |
| | 36 m. | 20 | 69 | 26 ⁵ | 46 | 85 | |
| | | 30 | 83 ⁵ | 38 ⁵ | 41 | 87 | |
| 7 Aug. | 18 | 0 | 32.45 | 26.07 | 27.34 | 20.71 | |
| 8 p.m. | 2°41'S. 109°53'E | 10 | 45 | 07 | 36 | 70 | |
| | 35 m. | 20 | 47 | 09 | 38 | 71 ⁵ | |
| | | 30 | 48 | 10 | 36 | 73 | |
| 7 Aug. | 19 | 0 | 32.67 | 26.25 | 27.38 | 20.86 ⁵ | |
| 10.25 p.m. | 2°35'S. 109°35'E. | 10 | 69 | 26 ⁵ | 39 | 87 ⁵ | |
| | 31 m. | 20 | 85 | 39 ⁵ | 37 | 21.— | |
| 8 Aug. | 20 | 0 | 32.80 | 26.35 ⁵ | 27.45 | 20.94 | |
| 1.20 a.m. | 2°28'S. 109°17'E. | 10 | 80 | 35 ⁵ | 46 | 93 ⁵ | |
| | 38 m. | 20 | 83 ⁵ | 38 ⁵ | 46 | 96 ⁵ | |
| | | 30 | 85 | 39 ⁵ | — | — | |

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| Date and hour | Station, reckoning and depth | Depth | S | σ_0 | t | σ_t | REMARKS. |
|---------------|------------------------------|-------|-----------------|--------------------|-------|--------------------|----------|
| 8 Aug. | 21 | 0 | 33.01 | 26.52 | 27.41 | 21.11 | |
| 4.15 a.m. | 2°22'S. 108°59'E. | 10 | 01 | 52 | 40 | 11 | |
| | 36 m. | 20 | 04 | 55 | 40 | 14 | |
| | | 30 | 04 | 55 | 39 | 14 ⁵ | |
| 8 Aug. | 22 | 0 | 32.93 | 26.45 ⁵ | 27.43 | 21.03 ⁵ | |
| 7.10 a.m. | 2°20'S. 108°39'E. | 10 | 93 | 45 ⁵ | 40 | 05 | |
| | 36 m. | 20 | 94 ⁵ | 47 | 42 | 05 ⁵ | |
| | | 30 | 97 | 49 | 40 | 08 | |
| 8 Aug. | 23 | 0 | 32.85 | 26.39 ⁵ | 27.60 | 20.93 | |
| 9.50 a.m. | 2°20'S. 108°20'E. | 10 | 85 | 39 ⁵ | 47 | 96 ⁵ | |
| | 40 m. | 20 | 85 | 39 ⁵ | 47 | 96 ⁵ | |
| | | 30 | 85 | 39 ⁵ | 48 | 96 ⁵ | |
| 8 Aug. | 24 | 0 | 32.73 | 26.29 ⁵ | 27.75 | 20.79 | |
| 0.30 p.m. | 2°20'S. 108°0'E. | 10 | 73 | 29 ⁵ | 62 | 83 | |
| | 40 m. | 20 | 73 | 29 ⁵ | 57 | 84 ⁵ | |
| | | 30 | 74 ⁵ | 31 | 54 | 86 ⁵ | |
| 8 Aug. | 25 | 0 | 32.55 | 26.15 | 28.06 | 20.56 ⁵ | |
| 3.— p.m. | 2°24'S. 107°40'E. | 10 | 55 | 15 | 05 | 55 ⁵ | |
| | 29-M. | 20 | 58 | 18 | 27.93 | 62 | |
| 8 Aug. | 26 | 0 | 32.52 | 26.13 | 28.07 | 20.53 | |
| 5.50 p.m. | 2°29'S. 107°21'E. | 10 | 52 | 13 | 10 | 52 ⁵ | |
| | 33 m. | 20 | 52 | 13 | 27.94 | 57 ⁵ | |
| | | 30 | 53 | 13 ⁵ | 89 | 69 ⁵ | |
| 8 Aug. | 27 | 0 | 32.51 | 26.11 | 27.93 | 20.55 | |
| 8.30 p.m. | 2°33'S. 107°2'E. | 10 | 52 | 13 | 90 | 58 ⁵ | |
| | 31 m. | 20 | 52 | 13 | 91 | 58 ⁵ | |
| | | 30 | 52 | 13 | 91 | 58 ⁵ | |
| 9 Aug. | 28 | 0 | 32.53 | 26.13 ⁵ | 27.90 | 20.59 | |
| 2.20 a.m. | 3°16'S. 106°56'E. | 10 | 54 | 14 | 99 | 56 ⁵ | |
| | 26 m. | 20 | 53 | 13 ⁵ | 97 | 57 | |
| 9 Aug. | 29 | 0 | 32.41 | 26.04 | 28.02 | 20.57 | |
| 5.— a.m. | 3°29'S. 106°40'E. | 10 | 41 | 04 | 02 | 57 | |
| | 18 m. | | | | | | |
| 9 Aug. | 30 | 0 | 32.48 | 26.10 | 28.19 | 20.46 | |
| 7.40 a.m. | 3°42'S. 106°24'E. | 10 | 50 | 11 | 14 | 49 | |
| | 16 m. | | | | | | |

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|---------------|------------------------------|--------|-------|--------------------|-------|--------------------|----------|
| 9 Aug. | 31 | 0 | 32.69 | 26.26 ⁵ | 28.50 | 20.51 ⁵ | |
| 10.15 a.m. | 3°54'S. 106°9'E. 18 m. | 10 | 80 | 35 ⁵ | 32 | 65 ⁵ | |
| 9 Aug. | 32 | 0 | 32.48 | 26.10 | 28.62 | 20.32 | |
| 1.5 p.m. | 4°13'S. 106°18'E. — | 10 | 50 | 11 | 09 | 51 ⁵ | |
| 9 Aug. | 33 | 0 | 32.47 | 26.09 | 28.08 | 20.49 | |
| 9.— p.m. | 5°12'S. 106°25'E. 22 m. | 10 | 47 | 09 | 11 | 48 | |
| | | 20 | 47 | 09 | 09 | 48 ⁵ | |
| 9 Aug. | 33a | 0 | 32.34 | 25.98 | 28.23 | 20.33 ⁵ | |
| 11.20 p.m. | 5°22'S. 106°12'E. 29 m. | 10 | 34 | 98 | 18 | 35 ⁵ | |
| | | 20 | 34 | 98 | 17 | 36 | |
| 10 Aug. | 34 | 0 | 32.32 | 25.97 | 27.93 | 20.42 ⁵ | |
| 3.— a.m. | 5°47'S. 106°2'E. 71 m. | 10 | 34 | 98 | 91 | 44 | |
| | | 20 | 34 | 98 | 95 | 43 | |
| | | 30 | 34 | 98 | 93 | 43 ⁵ | |
| | | 40 | 34 | 98 | 90 | 44 ⁵ | |
| | | 50 | 34 | 98 | 88 | 45 | |
| | | 60 | 34 | 98 | 91 | 44 | |
| | | 70 | 34 | 98 | 90 | 44 ⁵ | |
| 13 Aug. | 35 | 0 | 32.34 | 25.98 | 28.04 | 20.40 | |
| 5.15 p.m. | 5°45'S. 107°3'E. 44 m. | 10 | 34 | 98 | 27.93 | 43 ⁵ | |
| | | 20 | 34 | 98 | 79 | 48 | |
| | | 30 | 34 | 98 | 78 | 48 ⁵ | |
| 13 Aug. | 36 | 0 | 32.36 | 26.— | 27.72 | 20.52 ⁵ | |
| 8.20 p.m. | 5°30'S. 107°15'E. 47 m. | 10 | 36 | 00 | 76 | 51 | |
| | | 20 | 36 | 00 | 70 | 53 | |
| | | 30 | 36 | 00 | 70 | 53 | |
| | | 40 | 41 | 04 | 70 | 57 | |
| 13 Aug. | 37 | 0 | 32.38 | 26.01 | 27.66 | 20.55 | |
| 11.40 p.m. | 5°16'S. 107°27'E. — | 10 | 38 | 01 | 61 | 57 | |
| | | 20 | 38 | 01 | 61 | 57 | |
| | | 30 | 39 | 03 | 63 | 58 | |
| 14 Aug. | 38 | 0 | 32.60 | 26.19 ⁵ | 27.59 | 20.75 | |
| 2.30 a.m. | 5°0'S. 107°39'E. 35 m. | 10 | 64 | 22 ⁵ | 59 | 78 | |
| | | 20 | 64 | 22 ⁵ | 62 | 76 ⁵ | |
| | | 30 | 64 | 22 ⁵ | 62 | 76 ⁵ | |

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|---------------|------------------------------|-------|--------------------|-----------------|-------|--------------------|----------|
| 14 Aug. | 39 | 0 | 32.78 | 26.34 | 27.54 | 20.89 ⁵ | |
| 5.15 a.m. | 4°45'S. 107°50'E. | 10 | 78 | 34 | 55 | 89 | |
| | 40 m. | 20 | 78 | 34 | 54 | 89 ⁵ | |
| | | 30 | 78 | 34 | 56 | 89 | |
| 14 Aug. | 40 | 0 | 33.13 | 26.62 | 27.54 | 21.16 | |
| 9.— a.m. | 4°28'S. 108°4'E. | 10 | 14 | 63 | — | — | |
| | 33 m. | 20 | 15 | 64 | 51 | 19 | |
| | | 30 | 19 | 67 | 49 | 22 | |
| 14 Aug. | 41 | 0 | 33.24 | 26.71 | 27.54 | 21.24 | |
| 0.10 p.m. | 4°23'S. 108°24'E. | 10 | 24 | 71 | 44 | 27 ⁵ | |
| | 40 m. | 20 | 24 | 71 | 45 | 27 | |
| | | 30 | 26 | 72 | 42 | 28 ⁵ | |
| 14 Aug. | 42 | 0 | 33.22 | 26.70 | 27.59 | 21.22 | |
| 3.10 p.m. | 4°44'S. 108°24'E. | 10 | 22 | 70 | 48 | 24 ⁵ | |
| | 42 m. | 20 | 22 | 70 | 39 | 28 | |
| | | 30 | 22 | 70 | 39 | 28 | |
| | | 40 | 22 | 70 | 39 | 28 | |
| 14 Aug. | 43 | 0 | 33.10 | 26.59 | 27.45 | 21.16 | |
| 6.15 p.m. | 5°1'S. 108°29'E. | 10 | 10 | 59 | 45 | 16 | |
| | 44 m. | 20 | 28 | 74 | 51 | 28 ⁵ | |
| | | 30 | 29 | 74 ⁵ | 51 | 28 ⁵ | |
| | | 40 | 35 | 80 | 51 | 33 ⁵ | |
| 14 Aug. | 44 | 0 | 33.22 | 26.70 | 27.37 | 21.29 | |
| 9 p.m. | 5°20'S. 108°33'E. | 10 | 22 | 70 | 36 | 29 | |
| | — | 20 | 22 | 70 | 36 | 29 | |
| | | 30 | 22 | 70 | 37 | 29 | |
| | | 40 | 22 | 70 | 38 | 29 | |
| 15 Aug. | 45 | 0 | 32.74 ⁵ | 26.31 | 27.54 | 20.86 ⁵ | |
| 1.30 a.m. | 5°46'S. 108°41'E. | 10 | 74 ⁵ | 31 | 54 | 86 ⁵ | |
| | 53 m. | 20 | 76 | 32 ⁵ | 54 | 88 | |
| | | 30 | 95 | 48 | 54 | 21.02 | |
| | | 40 | 33.13 | 62 | 54 | 15 ⁵ | |
| | | 50 | 15 | 64 | 53 | 17 ⁵ | |
| 15 Aug. | 46 | 0 | 32.71 | 26.28 | 27.50 | 20.85 | |
| 5.20 a.m. | 6°15'S. 108°46'E. | 10 | 71 | 28 | 51 | 85 | |
| | 40 m. | 20 | 71 | 28 | 49 | 85 ⁵ | |
| | | 30 | 71 | 28 | 49 | 85 ⁵ | |

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|---------------|------------------------------|--------|-------|------------|-------|--------------------|----------|
| 15 Aug. | 47 | 0 | 32.57 | 26.97 | 27.58 | 21.47 | |
| 0.10 p.m. | 5°31'S. 109°12'E. | 10 | 57 | 97 | 52 | 48 ⁵ | |
| | 51 m. | 20 | 57 | 97 | 51 | 49 ⁵ | |
| | | 30 | 57 | 97 | 51 | 49 ⁵ | |
| | | 40 | 57 | 97 | 50 | 50 | |
| | | 50 | 57 | 97 | 48 | 51 | |
| 15 Aug. | 48 | 0 | 33.58 | 26.99 | 27.56 | 21.50 | |
| 3.5 p.m. | 5°12'S. 109°19'E. | 10 | 58 | 99 | 50 | 52 | |
| | 53 m. | 20 | 58 | 99 | 43 | 54 | |
| | | 30 | 58 | 99 | 41 | 54 ⁵ | |
| | | 40 | 58 | 99 | 41 | 54 ⁵ | |
| | | 50 | 58 | 99 | 41 | 55 | |
| 15 Aug. | 49 | 0 | 33.46 | 26.88 | 27.27 | 21.48 ⁵ | |
| 6.15 p.m. | 4°53'S. 109°24'E. | 10 | 46 | 88 | 26 | 49 | |
| | 53 m. | 20 | 46 | 88 | 27 | 48 ⁵ | |
| | | 30 | 46 | 88 | 23 | 50 | |
| | | 40 | 46 | 88 | 22 | 50 ⁵ | |
| | | 50 | 55 | 96 | 21 | 58 ⁵ | |
| 15 Aug. | 50 | 0 | 33.51 | 26.93 | 27.22 | 21.55 ⁵ | |
| 9.45 p.m. | 4°30'S. 109°30'E. | 10 | 51 | 93 | 22 | 55 ⁵ | |
| | 51 m. | 20 | 51 | 93 | 21 | 56 | |
| | | 30 | 51 | 93 | 22 | 55 ⁵ | |
| | | 40 | 58 | 99 | 20 | 61 ⁵ | |
| | | 50 | 58 | 99 | 20 | 61 ⁵ | |
| 16 Aug. | 51 | 0 | 33.48 | 26.90 | 27.11 | 21.56 | |
| 2.45 a.m. | 3°58'S. 109°39'E. | 10 | 51 | 93 | 14 | 58 | |
| | 46 m. | 20 | 51 | 93 | 14 | 58 | |
| | | 30 | 51 | 93 | 14 | 58 | |
| | | 40 | 58 | 99 | 14 | 63 ⁵ | |
| 16 Aug. | 51a. | 0 | 33.51 | 26.93 | 27.14 | 21.58 | |
| 8 a.m. | 4°13'S. 110°1'E. | 10 | 51 | 93 | 14 | 58 | |
| | — | 20 | 51 | 93 | 16 | 57 ⁵ | |
| | | 30 | 62 | 27.02 | 16 | 65 ⁵ | |

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|---------------|------------------------------|--------|--------------------|--------------------|-----------------|--------------------|----------|
| 16 Aug. | 52 | 0 | 33.62 | 27.02 | 27.21 | 21.64 | |
| 11 a.m. | 4°26'S. 110°6'E. | 10 | 62 | 02 | 16 | 65 ⁵ | |
| | 44 m. | 20 | 62 | 02 | 16 | 65 ⁵ | |
| | | 30 | — | — | 16 | — | |
| | | 40 | — | — | 16 | — | |
| 16 Aug. | 53 | 0 | 33.68 | 27.06 | 27.41 | 21.61 | |
| 2.5 p.m. | 4°43'S. 110°16'E. | 10 | 68 | 06 | 27 | 66 | |
| | 55 m. | 20 | 68 | 06 | 21 | 67 | |
| | | 30 | 69 | 07 | 20 | 68 ⁵ | |
| | | 40 | 73 | 10 | 20 | 71 ⁵ | |
| | | 50 | 73 | 10 | 17 | 73 | |
| 16 Aug. | 54 | 0 | 33.47 | 27.13 | 27.28 | 21.72 | |
| 5.30 p.m. | 5°1'S. 110°28'E. | 10 | 47 | 13 | 27 | 72 ⁵ | |
| | 60 m. | 20 | 47 | 13 | 21 | 74 | |
| | | 30 | 47 | 13 | 20 | 74 ⁵ | |
| | | 40 | 47 | 13 | 20 | 74 ⁵ | |
| | | 50 | 47 | 13 | 17 | 75 ⁵ | |
| 16 Aug. | 55 | 0 | 33.77 ⁵ | 27.14 | 27.22 | 21.75 | |
| 8.15 p.m. | 5°16'S. 110°39'E. | 10 | 77 ⁵ | 14 | 22 | 75 | |
| | 60 m. | 20 | 81 | 17 | 24 | 76 ⁵ | |
| | | 30 | 81 | 17 | 24 | 76 ⁵ | |
| | | 40 | 81 | 17 | 23 | 76 ⁵ | |
| | | 50 | — | — | 20 | — | |
| 16 Aug. | 56 | 0 | 33.77 | 27.13 | 27.22 | 21.73 ⁵ | |
| 11.40 p.m. | 5°32'S. 110°48'E. | 10 | 77 | 13 | 22 | 73 ⁵ | |
| | 66 m. | 20 | 77 | 13 | 22 | 74 | |
| | | 30 | 77 | 13 | 15 [?] | 76 | |
| | | 40 | 77 | 13 | 20 | 75 | |
| | | 50 | 77 | 13 | 19 | 75 | |
| | | 60 | 77 | 13 | 20 | 75 | |
| 17 Aug. | 57 | 0 | 33.65 | 27.03 ⁵ | 27.26 | 21.64 | |
| 5.10 a.m. | 6°5'S. 111°8'E. | 10 | 74 | 11 | 26 | 71 | |
| | 58 m. | 20 | 74 | 11 | 26 | 71 | |
| | | 30 | 74 | 11 | 26 | 71 | |
| | | 40 | 76 | 12 ⁵ | 25 | 73 | |
| | | 50 | 76 | 12 ⁵ | 25 | 73 | |

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|---------------|------------------------------|-------|-------|-----------------|-------|--------------------|----------|
| 17 Aug. | 58 | 0 | 33.84 | 27.19 | — | — | |
| 11.15 p.m. | 5°46'S. 111°40'E. | 10 | 84 | 19 | 27.20 | 21.80 | |
| | 69 m. | 20 | 84 | 19 | 18 | 80 | |
| | | 30 | 86 | 20 | 17 | 81 ⁵ | |
| | | 40 | 87 | 22 | 17 | 83 ⁵ | |
| | | 50 | 87 | 22 | 17 | 83 ⁵ | |
| | | 60 | 87 | 22 | 17 | 83 ⁵ | |
| 17 Aug. | 59 | 0 | 33.95 | 27.28 | 27.39 | 21.82 | |
| 2.20 p.m. | 5°26'S. 111°41'E. | 10 | 95 | 28 | 22 | 87 ⁵ | |
| | 62 m. | 20 | 95 | 28 | 13 | 90 | |
| | | 30 | 96 | 29 | 13 | 91 | |
| | | 40 | 96 | 29 | 12 | 92 | |
| | | 50 | 96 | 29 | 05 | 94 | |
| | | 60 | 98 | 31 | 06 | 95 ⁵ | |
| 17 Aug. | 60 | 0 | 34.14 | 27.44 | 27.27 | 22.01 | |
| 5.20 p.m. | 5°5'E. 111°41'E. | 10 | 19 | 47 ⁵ | 26 | 04 | |
| | 62 m. | 20 | 19 | 47 ⁵ | 09 | 09 ⁵ | |
| | | 30 | 19 | 47 ⁵ | 10 | 09 ⁵ | |
| | | 40 | 19 | 47 ⁵ | 09 | 09 ⁵ | |
| | | 50 | 19 | 47 ⁵ | 10 | 09 ⁵ | |
| | | 60 | 19 | 47 ⁵ | 09 | 09 ⁵ | |
| 17 Aug. | 61 | 0 | 34.11 | 27.41 | 27.11 | 22.03 ⁵ | |
| 8.— p.m. | 4°46'S. 111°45'E. | 10 | 11 | 41 | 13 | 03 | |
| | 69 m. | 20 | 11 | 41 | 10 | 03 ⁵ | |
| | | 30 | 11 | 41 | 02 | 06 | |
| | | 40 | 11 | 41 | 26.97 | 09 | |
| | | 50 | 12 | 41 ⁵ | 97 | 09 ⁵ | |
| | | 60 | 12 | 41 ⁵ | 94 | 11 ⁵ | |
| 17 Aug. | 62 | 0 | 34.13 | 27.42 | 26.94 | 22.12 | |
| 10.55 p.m. | 4°25'S. 111°50'S. | 10 | 13 | 42 | 93 | 12 ⁵ | |
| | 51 m. | 20 | 13 | 42 | 94 | 12 | |
| | | 30 | 13 | 42 | 91 | 14 | |
| | | 40 | 13 | 42 | 91 | 14 | |
| 18 Aug. | 63 | 0 | 33.90 | 27.24 | 27.21 | 21.84 | |
| 3.20 a.m. | 3°54'S. 111°59'E. | 10 | 94 | 27 | 21 | 87 | |
| | 31 m. | 20 | 94 | 27 | 22 | 86 ⁵ | |
| | | 30 | 99 | 31 ⁵ | 22 | 91 | |

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|---------------|------------------------------|-------|-------|--------------------|-------|--------------------|----------|
| 18 Aug. | 64 | 0 | 34.05 | 27.36 | 27.08 | 22.— | |
| 9.20 a.m. | 4°12'S. 112°36'E. | 10 | 09 | 39 | 03 | 04 | |
| | 35 m. | 20 | 09 | 39 | 03 | 03 ⁵ | |
| | | 30 | 13 | 42 | 03 | 07 ⁵ | |
| 18 Aug. | 65 | 0 | 34.19 | 27.47 ⁵ | 27.14 | 22.08 | |
| 0.30 p.m. | 4°34'S. 112°40'E. | 10 | 19 | 47 ⁵ | 02 | 12 | |
| | 44 m. | 20 | 21 | 48 ⁵ | 26.95 | 16 ⁵ | |
| | | 30 | 21 | 48 ⁵ | 96 | 16 ⁵ | |
| | | 40 | 21 | 48 ⁵ | 96 | 16 ⁵ | |
| 18 Aug. | 66 | 0 | 34.17 | 27.46 | 27.24 | 22.03 | |
| 3.30 p.m. | 4°54'S. 112°45'E. | 10 | 17 | 46 | 11 | 08 | |
| | 58 m. | 20 | 19 | 47 ⁵ | 26.99 | 13 ⁵ | |
| | | 30 | 19 | 47 ⁵ | 94 | 16 ⁵ | |
| | | 40 | 19 | 47 ⁵ | 94 | 16 ⁵ | |
| | | 50 | 19 | 47 ⁵ | 90 | 19 ⁵ | |
| 18 Aug. | 67 | 0 | 34.05 | 27.36 | 27.— | 22.02 | |
| 6.45 p.m. | 5°14'S. 112°48'E. | 10 | 14 | 44 | 01 | 10 | |
| | 64 m. | 20 | 14 | 44 | 26.95 | 12 | |
| | | 30 | 18 | 47 | 90 | 16 | |
| | | 40 | 18 | 47 | 88 | 17 | |
| | | 50 | 22 | 49 | 88 | 18 ⁵ | |
| | | 60 | 30 | 56 | 85 | 26 | |
| 18 Aug. | 68 | 0 | 34.06 | 27.37 | 27.08 | 22.00 ⁵ | |
| 9.45 p.m. | 5°31'S. 112°56'E. | 10 | 07 | 38 | 08 | 01 ⁵ | |
| | 73 m. | 20 | 07 | 38 | 07 | 01 ⁵ | |
| | | 30 | 07 | 38 | 08 | 01 ⁵ | |
| | | 40 | 09 | 39 | 02 | 04 | |
| | | 50 | 10 | 40 | 00 | 06 | |
| | | 60 | 11 | 41 | 00 | 07 | |
| | | 70 | 11 | 41 | 00 | 07 | |

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

AUGUST 1918.

| Date and hour | Station, reckoning and depth | Depth | S | σ_0 | t | σ_t | REMARKS. |
|---------------|------------------------------|-------|--------------------|--------------------|-------|--------------------|----------|
| 19 Aug. | 69 | 0 | 31.15 | 27.44 ⁵ | 27.04 | 22.09 | |
| 1.15 a.m. | 5°49'S. 113°06'E. | 10 | 14 | 44 | 05 | 08 ⁵ | |
| | 73 m. | 20 | 15 | 44 ⁵ | 05 | 09 | |
| | | 30 | 15 | 44 ⁵ | 04 | 09 | |
| | | 40 | 17 | 46 | 05 | 10 ^b | |
| | | 50 | 22 ⁵ | 50 | 04 | 14 ⁵ | |
| | | 60 | — | — | 26.98 | — | |
| | | 70 | 30 | 56 | 98 | 22.21 ⁵ | |
| 19 Aug | 70 | 0 | 34.11 | 27.41 | 26.96 | 08 | |
| 4.15 a.m. | 6°8'S. 113°17'E. | 10 | 11 | 41 | 97 | 08 | |
| | 79 m. | 20 | 13 | 42 | 97 | 09 | |
| | | 30 | 13 | 42 | 97 | 09 | |
| | | 40 | 18 | 47 | 97 | 13 | |
| | | 90 | 18 | 47 | 97 | 13 | |
| | | 60 | 20 | 48 | 97 | 14 | |
| | | 70 | 22 | 49 | 97 | 15 ⁵ | |
| 19 Aug. | 71 | 0 | 34.14 | 27.44 | 26.95 | 22.11 ⁵ | |
| 7.35 a.m. | 6°23'S. 113°29'E. | 10 | 14 | 44 | 99 | 10 ⁵ | |
| | 62 m. | 20 | 14 | 44 | 98 | 11 | |
| | | 30 | 14 | 44 | 99 | 10 ⁵ | |
| | | 40 | 18 | 47 | 98 | 14 | |
| | | 50 | 18 | 47 | 99 | 13 ⁵ | |
| | | 60 | 20 | 48 | 99 | 14 | |
| 19 Aug. | 72 | 0 | 33.97 | 27.30 | 27.48 | 21.82 | |
| 10.50 a.m. | 6°37'S. 113°39'E. | 10 | 99 | 31 ⁵ | 00 | 98 | |
| | 53 m. | 20 | 34.04 ⁵ | 35 ⁵ | 00 | 22.02 ⁵ | |
| | | 30 | 12 | 41 ⁵ | 26.98 | 08 ⁵ | |
| | | 40 | 22 | 49 | 97 | 15 ⁵ | |
| | | 50 | 22 | 49 | 97 | 15 ⁵ | |
| 19 Aug. | 73 | 0 | 34.38 | 27.63 | 27.37 | 22.16 | |
| 2.50 p.m. | 6°5'S. 113°47'E. | 10 | 34 | 60 | 02 | 24 | |
| | 79 m. | 20 | 33. | 58 | 26.99 | 23 | |
| | | 30 | 36 | 61 | 98 | 26 ⁵ | |
| | | 40 | 36 | 61 | 97 | 27 ⁵ | |
| | | 50 | 36 | 61 | 96 | 27 ^b | |
| | | 60 | 36 | 61 | 96 | 27 ⁵ | |
| | | 70 | 36 | 61 | 96 | 27 ⁵ | |

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

AUGUST 1918.

| Date and hour | Station, reckoning and depth | Depth | S | σ_o | t | σ_t | REMARKS. |
|---------------|------------------------------|-------|-------|--------------------|-------|--------------------|----------|
| 19 Aug. | 74 | 0 | 34.34 | 27.60 | 27.11 | 22.21 ⁵ | |
| 5.45 p.m. | 5°47'S. 113°50'E. | 10 | 33 | 58 | 10 | 19 ⁵ | |
| | 68 m. | 20 | 33 | 58 | 26.91 | 25 ⁵ | |
| | | 30 | 33 | 58 | 91 | 25 ⁵ | |
| | | 40 | 33 | 58 | 91 | 25 ⁵ | |
| | | 50 | 33 | 58 | 91 | 25 ⁵ | |
| | | 60 | 33 | 58 | 89 | 26 | |
| 19 Aug. | 75 | 0 | 34.29 | 27.55 | 27.02 | 22.19 | |
| 8.30 p.m. | 5°24'S. 113°57'E. | 10 | 31 | 57 | 00 | 21 ⁵ | |
| | 49 m. | 20 | 31 | 57 | 01 | 21 ⁵ | |
| | | 30 | 31 | 57 | 26.91 | 22 ⁵ | |
| | | 40 | 33 | 58 | 89 | 26 | |
| 19 Aug. | 76 | 0 | 34.25 | 27.52 | 27.— | 22.17 | |
| 11.30 p.m. | 5°5'S. 114°1'E. | 10 | 27 | 54 | — | 19 | |
| | 47 m. | 20 | 27 | 54 | 26.97 | 20 ⁵ | |
| | | 30 | 29 | 55 | 95 | 22 | |
| | | 40 | 29 | 55 | 92 | 22 ⁵ | |
| 20 Aug. | 77 | 0 | 34.27 | 27.54 | 27.00 | 22.19 | |
| 2.25 a.m. | 4°45'S. 114°5'E. | 10 | 27 | 54 | 00 | 19 | |
| | 36 m. | 20 | 27 | 54 | 02 | 58 ⁵ | |
| | | 30 | 27 | 54 | 02 | 58 ⁵ | |
| 20 Aug. | 78 | 0 | 34.03 | 27.34 ⁵ | 27.28 | 21.91 ⁵ | |
| 5 a.m. | 4°25'S. 114°10'E. | 10 | 06 | 37 | 24 | 94 ⁵ | |
| | — | 20 | 06 | 37 | 19 | 97 | |
| 23 Aug. | 79 | 0 | 34.46 | 27.69 | 27.44 | 22.19 | |
| 11.30 p.m. | 4°18'S. 116°10'E. | 10 | 46 | 69 | 44 | 19 | |
| | 29 m. | 20 | 46 | 69 | 44 | 19 | |
| 24 Aug. | 80 | 0 | 34.48 | 27.70 ⁵ | 27.30 | 22.24 ⁵ | |
| 2.40 a.m. | 4°36'S. 116°17'E. | 10 | 46 | 69 | 29 | 23 ⁵ | |
| | 46 m. | 20 | 46 | 69 | 29 | 23 ⁵ | |
| | | 30 | 48 | 70 ⁵ | 29 | 25 | |
| | | 40 | 48 | 70 ⁵ | — | — | |

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

AUGUST 1918.

| Date and hour | Station, reckoning and depth | Depth | S | σ_0 | t | σ_t | REMARKS. |
|---------------|------------------------------|-------|-----------------|--------------------|-------|--------------------|----------|
| 24 Aug. | 81 | 0 | 34.48 | 27.70 ⁵ | 27.10 | 22.31 | |
| 5.45 a.m. | 4°53'S. 116°23'E. | 10 | 48 | 70 ⁵ | 14 | 30 | |
| | 46 m. | 20 | 48 | 70 ⁵ | 14 | 30 | |
| | | 30 | 48 | 70 ⁵ | 13 | 29 ⁵ | |
| | | 40 | 48 | 70 ⁵ | 01 | 34 | |
| | | 50 | 48 | 70 ⁵ | 25.17 | 91 ⁵ | |
| | | 60 | 48 | 70 ⁵ | 13 | 93 | |
| 24 Aug. | 82 | 0 | 24.50 | 27.72 | 27.07 | 22.34 | |
| 9.15 a.m. | 5°11'S. 116°28'E. | 10 | 53 | 75 | 11 | 34 | |
| | 69 m. | 20 | 53 | 75 | 08 | 34 | |
| | | 30 | 53 | 75 | 08 | 33 ⁵ | |
| | | 40 | 53 | 75 | 07 | 36 ⁵ | |
| | | 50 | 54 | 76 | 26.16 | 66 ⁵ | |
| | | 60 | 54 | 76 | 13 | 98 | |
| 24 Aug. | 83 | 0 | 34.51 | 27.73 | 27.42 | 22.23 | |
| 2.50 p.m. | 5°45'S. 116°49'E. | 10 | 51 | 73 | 38 | 25 ⁵ | |
| | more than 200 m | 20 | 51 | 73 | 27 | 26 | |
| | | 30 | 51 | 73 | 06 | 33 ⁵ | |
| | | 40 | 51 | 73 | 26.47 | 54 | |
| | | 50 | 51 | 73 | 25.54 | 83 | |
| | | 60 | — | — | 05 | — | |
| | | 70 | 59 | 79 ⁵ | 23.67 | 23.44 ⁵ | |
| 24 Aug. | 84 | 0 | 34.57 | 27.78 | 27.05 | 22.40 ⁵ | |
| 7.20 p.m. | 5°38'S. 116°31'E. | 10 | 60 ⁵ | 81 | 02 | 44 | |
| | 58 m. | 20 | 60 ⁵ | 81 | 26.86 | 47 | |
| | | 30 | — | — | 80 | — | |
| | | 40 | 62 | 82 ⁵ | 48 | 63 | |
| | | 50 | 62 | 82 ⁵ | 05 | 76 | |
| 24 Aug. | 85 | 0 | 34.57 | 27.78 | 27.12 | 22.39 | |
| 9.45 p.m. | 5°27'S. 116°9'E. | 10 | 57 | 78 | 13 | 36 | |
| | 68 m. | 20 | 57 | 78 | 13 | 37 | |
| | | 30 | 59 | 79 | 13 | 38 | |
| | | 40 | 60 | 80 | 07 | 41 ⁵ | |
| | | 50 | 63 | 83 | 26.11 | 74 ⁵ | |
| | | 60 | 68 | 86 ⁵ | 25.49 | 96 ⁵ | |

SALINITIES, TEMPERATURES AND DENSITIES OF THE JAVA-SEA.

AUGUST 1918.

| Date and hour | Station, reckoning and depth | Depth. | S | σ_0 | t | σ_t | REMARKS. |
|---------------|------------------------------|--------|-----------------|--------------------|-------|--------------------|----------|
| 25 Aug. | 86 | 0 | 34.49 | 27.71 | 27.15 | 22.30 | |
| 1.15 a.m. | 5°15'S. 115°52'E. | 10 | 48 | 70 ^b | 15 | 29 ^b | |
| | 62 m. | 20 | 48 | 70 ^b | 16 | 29 ^b | |
| | | 30 | 49 | 71 | 16 | 29 ^b | |
| | | 40 | 49 | 71 | 16 | 29 ^b | |
| | | 50 | 51 | 73 | 09 | 34 | |
| 25 Aug. | 87 | 0 | 34.50 | 27.72 | 27.09 | 22.33 ^b | |
| 4.15 a.m. | 4°57'S. 115°35'E. | 10 | 51 ^b | 73 ^b | 09 | 34 ^b | |
| | 46 m. | 20 | 53 | 75 | 08 | 36 ^b | |
| | | 30 | 53 | 75 | 00 | 39 | |
| | | 40 | — | — | 26.70 | — | |
| 25 Aug. | 88 | 0 | 34.29 | 27.55 | 27.22 | 22.12 ^b | |
| 9.15 a.m. | 4°41'S. 115°22'E. | 10 | 29 | 55 | 18 | 14 | |
| | 31 m. | 20 | 39 | 63 ^b | 18 | 21 ^b | |
| | | 30 | 38 | 63 | 17 | 22 | |
| 25 Aug. | 89 | 0 | 34.29 | 27.55 | 27.47 | 22.04 ^b | |
| 11.45 a.m. | 4°30'S. 115°7'E. | 10 | 29 | 55 | 45 | 05 ^b | |
| | 27 m. | 20 | 29 | 55 | 39 | 07 ^b | |
| 25 Aug. | 90 | 0 | 34.08 | 27.38 ^b | 27.82 | 21.78 | |
| 2.5 p.m. | 4°18'S. 114°52'E. | 10 | 08 | 38 ^b | 80 | 78 ^b | |
| | 20 m. | | | | | | |