

performance. A merchant vessel was not the most favourable place for such observations. I regularly noted the height of the barometric column at 9-10 A. M., noon, and 4-5 P. M., besides different observations at shorter intervals on particular occasions. You will form a better idea of these from the following Tabular View, which I drew up at the conclusion of the voyage. I confine it to the two torrid zones, as there the atmospheric phenomena proceed with a regularity unknown in temperate latitudes.

| Date, and Place of Observation. | Mean. | Obs. of Noon. | Range, 9 A. M. to 4 P. M. | Date, and Place of Observation. | Mean. | Obs. of Noon. | Range, 9 A. M. to 4 P. M. | | | |
|---------------------------------|---------------------------------|---------------|---------------------------|---------------------------------|---------------------------------|----------------|---------------------------|--------|-------|------|
| I. North Atlantic Torrid Zone. | 1832, Oct. 13. | 30.09 | 30.08 | 0.08 | III. South Pacific Torrid Zone. | 1833, Feb. 16. | 30.15 | 30.16 | 0.14 | |
| | ... 14. | 30.09 | 30.07 | 0.05 | | ... 17. | 30.07 | 30.04 | 0.10 | |
| | ... 15. | 30.09 | 30.09 | 0.06 | | ... 18. | 29.95 | 29.98 | 0.03 | |
| | ... 16. | 30.09 | 30.16 | 0.18 | | ... 19. | 29.96 | 30.03 | 0.15 | |
| | ... 17. | 30.02 | 30.02 | 0.13 | | ... 20. | 30.03 | 30.05 | 0.10 | |
| | ... 18. | 29.99 | 29.98 | 0.13 | | ... 21. | 30.03 | 30.10 | 0.10 | |
| | ... 19. | 30.05 | 30.05 | 0.04 | | ... 22. | 30.01 | 30.04 | 0.07 | |
| | ... 20. | 30.03 | 30.03 | 0.03 | | ... 23. | 29.92 | 29.98 | 0.11 | |
| | ... 21. | 30.04 | 30.06 | 0.08 | | ... 24. | 29.97 | 29.97 | 0.08 | |
| | ... 22. | 30.01 | 30.04 | 0.04 | | ... 25. | 29.89 | 29.90 | 0.01 | |
| | ... 23. | 30.05 | 30.05 | 0.08 | | ... 26. | 29.97 | 29.94 | 0.04 | |
| | ... 25. | 30.04 | 30.02 | 0.09 | | ... 27. | 29.96 | 29.97 | 0.07 | |
| | ... 26. | 30.03 | 30.05 | 0.07 | | ... 28. | 29.94 | 29.96 | 0.23 | |
| | ... 27. | 29.98 | 29.96 | 0.10 | | Mar. 1. | 29.88 | 29.99 | 0.11 | |
| | ... 28. | 29.95 | 29.97 | 0.03 | | ... 2. | 29.91 | 29.88 | 0.26 | |
| | ... 29. | 30.03 | 30.04 | 0.16 | | ... 3. | 29.91 | 29.95 | 0.14 | |
| | ... 30. | 30.06 | 30.05 | 0.04 | | ... 4. | 29.93 | 29.98 | 0.08 | |
| | ... 31. | 30.07 | 30.08 | 0.08 | | Mean, | 29.965 | 29.960 | 0.13 | |
| | Nov. 1. | 30.02 | 30.03 | 0.08 | | Mar. 5. | 29.93 | 29.89 | 0.06 | |
| | ... 3. | 29.97 | 29.98 | 0.10 | | ... 6. | 29.96 | 29.98 | 0.10 | |
| | ... 4. | 29.99 | 30.01 | 0.08 | | ... 7. | 29.95 | 29.96 | 0.10 | |
| | ... 5. | 29.97 | 30.01 | 0.09 | | ... 8. | 29.92 | 29.94 | 0.11 | |
| | ... 6. | 29.91 | 29.91 | 0.13 | | ... 9. | 29.95 | 30.00 | 0.12 | |
| | ... 7. | 29.91 | 29.92 | 0.16 | | ... 10. | 30.01 | 29.99 | 0.06 | |
| | ... 8. | 29.94 | 29.94 | 0.08 | | ... 11. | 29.94 | 29.97 | 0.07 | |
| | Mean, | 30.003 | 30.000 | 0.087 | | ... 12. | 30.00 | 29.98 | 0.03 | |
| | II. South Atlantic Torrid Zone. | Nov. 9. | 29.95 | 29.95 | | 0.00 | ... 13. | 29.91 | 29.93 | 0.18 |
| | | ... 10. | 29.88 | 29.96 | | 0.17 | ... 14. | 29.95 | 30.01 | 0.14 |
| | | ... 11. | 29.97 | 29.98 | | 0.10 | ... 15. | 29.98 | 29.97 | 0.09 |
| | | ... 12. | 30.02 | 30.04 | | 0.06 | ... 16. | 30.00 | 29.99 | 0.12 |
| | | ... 13. | 30.06 | 30.07 | | 0.07 | ... 17. | 30.04 | 30.01 | 0.15 |
| ... 14. | | 30.08 | 30.08 | 0.07 | ... 18. | 30.02 | 30.02 | 0.09 | | |
| ... 15. | | 30.06 | 30.08 | 0.11 | ... 19. | 30.09 | 30.07 | 0.09 | | |
| ... 16. | | 29.93 | 29.96 | 0.08 | ... 20. | 30.09 | 30.07 | 0.09 | | |
| ... 17. | | 29.99 | 29.99 | 0.05 | ... 21. | 30.11 | 30.10 | 0.09 | | |
| ... 18. | | 30.00 | 29.98 | 0.08 | ... 22. | 30.18 | 30.20 | 0.14 | | |
| ... 19. | | 30.00 | 29.98 | 0.08 | ... 23. | 30.15 | 30.18 | 0.08 | | |
| ... 20. | | 29.98 | 29.99 | 0.02 | ... 24. | 30.20 | 30.21 | 0.06 | | |
| ... 21. | | 29.98 | 29.98 | 0.09 | ... 25. | 30.14 | 30.13 | 0.12 | | |
| ... 22. | | 29.71 | 29.70 | 0.14 | ... 26. | 30.19 | 30.19 | 0.07 | | |
| ... 23. | | 29.60 | 29.63 | 0.15 | ... 27. | 30.25 | 30.26 | 0.02 | | |
| ... 24. | | 29.68 | 29.67 | 0.02 | Apr. 10. | 30.28 | 30.33 | 0.09 | | |
| Mean, | 29.895 | 29.905 | 0.063 | Mean, | 30.093 | 30.103 | 0.063 | | | |
| IV. North Pacific Torrid Zone. | Nov. 9. | 29.95 | 29.95 | 0.00 | Mar. 5. | 29.93 | 29.89 | 0.06 | | |
| | ... 10. | 29.88 | 29.96 | 0.17 | ... 6. | 29.96 | 29.98 | 0.10 | | |
| | ... 11. | 29.97 | 29.98 | 0.10 | ... 7. | 29.95 | 29.96 | 0.10 | | |
| | ... 12. | 30.02 | 30.04 | 0.06 | ... 8. | 29.92 | 29.94 | 0.11 | | |
| | ... 13. | 30.06 | 30.07 | 0.07 | ... 9. | 29.95 | 30.00 | 0.12 | | |
| | ... 14. | 30.08 | 30.08 | 0.07 | ... 10. | 30.01 | 29.99 | 0.06 | | |
| | ... 15. | 30.06 | 30.08 | 0.11 | ... 11. | 29.94 | 29.97 | 0.07 | | |
| | ... 16. | 29.93 | 29.96 | 0.08 | ... 12. | 30.00 | 29.98 | 0.03 | | |
| | ... 17. | 29.99 | 29.99 | 0.05 | ... 13. | 29.91 | 29.93 | 0.18 | | |
| | ... 18. | 30.00 | 29.98 | 0.08 | ... 14. | 29.95 | 30.01 | 0.14 | | |
| | ... 19. | 30.00 | 29.98 | 0.08 | ... 15. | 29.98 | 29.97 | 0.09 | | |
| | ... 20. | 29.98 | 29.99 | 0.02 | ... 16. | 30.00 | 29.99 | 0.12 | | |
| | ... 21. | 29.98 | 29.98 | 0.09 | ... 17. | 30.04 | 30.01 | 0.15 | | |
| | ... 22. | 29.71 | 29.70 | 0.14 | ... 18. | 30.02 | 30.02 | 0.09 | | |
| | ... 23. | 29.60 | 29.63 | 0.15 | ... 19. | 30.09 | 30.07 | 0.09 | | |
| | ... 24. | 29.68 | 29.67 | 0.02 | ... 20. | 30.09 | 30.07 | 0.09 | | |
| Mean, | 29.895 | 29.905 | 0.063 | ... 21. | 30.11 | 30.10 | 0.09 | | | |
| V. South Pacific Torrid Zone. | Nov. 9. | 29.95 | 29.95 | 0.00 | ... 22. | 30.18 | 30.20 | 0.14 | | |
| | ... 10. | 29.88 | 29.96 | 0.17 | ... 23. | 30.15 | 30.18 | 0.08 | | |
| | ... 11. | 29.97 | 29.98 | 0.10 | ... 24. | 30.20 | 30.21 | 0.06 | | |
| | ... 12. | 30.02 | 30.04 | 0.06 | ... 25. | 30.14 | 30.13 | 0.12 | | |
| | ... 13. | 30.06 | 30.07 | 0.07 | ... 26. | 30.19 | 30.19 | 0.07 | | |
| | ... 14. | 30.08 | 30.08 | 0.07 | ... 27. | 30.25 | 30.26 | 0.02 | | |
| | ... 15. | 30.06 | 30.08 | 0.11 | Apr. 10. | 30.28 | 30.33 | 0.09 | | |
| | ... 16. | 29.93 | 29.96 | 0.08 | Mean, | 30.093 | 30.103 | 0.063 | | |
| | ... 17. | 29.99 | 29.99 | 0.05 | Mar. 5. | 29.93 | 29.89 | 0.06 | | |
| | ... 18. | 30.00 | 29.98 | 0.08 | ... 6. | 29.96 | 29.98 | 0.10 | | |
| | ... 19. | 30.00 | 29.98 | 0.08 | ... 7. | 29.95 | 29.96 | 0.10 | | |
| | ... 20. | 29.98 | 29.99 | 0.02 | ... 8. | 29.92 | 29.94 | 0.11 | | |
| | ... 21. | 29.98 | 29.98 | 0.09 | ... 9. | 29.95 | 30.00 | 0.12 | | |
| | ... 22. | 29.71 | 29.70 | 0.14 | ... 10. | 30.01 | 29.99 | 0.06 | | |
| | ... 23. | 29.60 | 29.63 | 0.15 | ... 11. | 29.94 | 29.97 | 0.07 | | |
| | ... 24. | 29.68 | 29.67 | 0.02 | ... 12. | 30.00 | 29.98 | 0.03 | | |
| Mean, | 29.895 | 29.905 | 0.063 | ... 13. | 29.91 | 29.93 | 0.18 | | | |