

METEOROLOGICAL OBSERVATIONS.

| DATE. | Barometer reduced to 32° F. and attached Thermometer. | | | THERMOMETER. | | | | HYGROMETER. | | | | | | | |
|-------|-------------------------------------------------------|-----------|-----------|--------------|-----------|-----------|-------|-------------|------|-------|-------|-------|-------|-------|-------|
| | 7 | 8 | 9 | 7 | 8 | 9 | Mean. | Max. | Min. | D. B. | W. B. | D. B. | W. B. | D. B. | W. B. |
| | Sunrise | 1:30 P.M. | 9:30 P.M. | Sunrise | 1:30 P.M. | 9:30 P.M. | | | | | | | | | |
| 1 | 500.58 | | 180.64 | 38 | | 50 | | | | | | | | | |
| 2 | 065.58 | 240.55 | 426.50 | 44 | 36 | 26 | | | | | | | | | |
| 3 | 580.50 | 630.70 | 530.69 | 20 | 36 | 25 | | | | | | | | | |
| 4 | 342.54 | 400.68 | 640.68 | 30 | 40 | 19 | | | | | | | | | |
| 5 | 704.46 | 442.67 | 7952.65 | 14 | | 25 | | | | | | | | | |
| 6 | 144.45 | 300.63 | 420.59 | 10 | 13 | 3 | | | | | | | | | |
| 7 | 440.40 | 540.65 | 650.63 | -8 | 7 | -7 | | | | | | | | | |
| 8 | 550.38 | 470.65 | 388.64 | -2 | 18 | 10 | | | | | | | | | |
| 9 | 7680.45 | 776.45 | 186.41 | 20 | 30 | 10 | | | | | | | | | |
| 10 | 535.40 | | 934.50 | -10 | -4 | -18 | | | | | | | | | |
| 11 | 920.23 | 842.52 | 704.57 | -34 | 1 | -1 | | | | | | | | | |
| 12 | 712.30 | | 520.55 | -11 | | -6 | | | | | | | | | |
| 13 | 1090.48 | 1000.61 | 924.56 | -8 | 26 | 24 | | | | | | | | | |
| 14 | 828.44 | 824.66 | 820.68 | 28 | 43 | 34 | | | | | | | | | |
| 15 | 640.52 | 525.57 | 418.58 | 34 | 42 | 41 | | | | | | | | | |
| 16 | 535.48 | 718.54 | 772.50 | 30 | 37 | 20 | | | | | | | | | |
| 17 | 530.40 | 591.72 | 725.69 | 20 | 39 | 22 | | | | | | | | | |
| 18 | 400.48 | 286.66 | 688.63 | 16 | 33 | 12 | | | | | | | | | |
| 19 | 896.37 | 1012.65 | 1010.64 | -3 | 6 | 1 | | | | | | | | | |
| 20 | 800.40 | 747.65 | 194.64 | 7 | 29 | 20 | | | | | | | | | |
| 21 | 442.48 | 156.64 | 240.66 | 20 | 42 | 38 | | | | | | | | | |
| 22 | 500.46 | 532.62 | 540.58 | 11 | 35 | 17 | | | | | | | | | |
| 23 | | 730.43 | 900.41 | 10 | 22 | 10 | | | | | | | | | |
| 24 | 1192.29 | 1124.60 | 1108.68 | 0 | 20 | 17 | | | | | | | | | |
| 25 | 942.50 | 843.69 | 790.62 | 26 | 40 | 32 | | | | | | | | | |
| 26 | 740.51 | 689.63 | 616.56 | 30 | 42 | 36 | | | | | | | | | |
| 27 | 474.48 | 348.64 | 162.54 | 33 | 35 | 34 | | | | | | | | | |
| 28 | 010.46 | 028.56 | 040.62 | 32 | 42 | 29 | | | | | | | | | |
| 29 | 7902.51 | 092.50 | 420.61 | 29 | 38 | 31 | | | | | | | | | |
| 30 | 572.46 | 574.52 | 576.46 | 20 | 33 | 20 | | | | | | | | | |
| 31 | 464.40 | | 220.55 | 11 | | | | | | | | | | | |

Maximum 143
 Minimum -34
 No. of obs. at or below zero 13
 Precipitation 3.30
 514 781 574
 2893 1913
 14.13 22.75 J. Mean
 367.64
 21.55 W. Mean
 20.94 W. Mean

DARTMOUTH COLLEGE,

January 1848

| DATE. | CLOUDS. | | | WIND. | | | PRECIPITATION. | | REMARKS. |
|-------|---------|------|-------|-------|-------|------|----------------|-------|-------------------------------------------|
| | Kind. | Amt. | Kind. | Amt. | Kind. | Amt. | Snow. | Rain. | |
| 1 | F | 0 | F | SW | SW | SW | | | Rain - slight |
| 2 | 10 | 10 | 0 | NW | NW | N | | | Rainy - snow 3.50 |
| 3 | 0 | 0 | 1 | N | N | N | | | Aurora Borealis |
| 4 | 9 | 8 | 0 | NW | NW | NW | | | Meteor. 7 1/2 P.M. W.E. Jupiter |
| 5 | 8 | 10 | 10 | NW | SE | SE | | | Snow from 1 P.M. |
| 6 | 3 | 0 | 0 | NW | NW | NW | | | |
| 7 | 0 | 0 | 0 | N | N | N | | | |
| 8 | 8 | 10 | 10 | NW | NW | SE | | | Snow - 3 inches. Bar. 28.636 |
| 9 | 10 | 8 | 9 | SE | NW | NW | | | Snow to 7 1/2 P.M. 11 inches at 9 P.M. |
| 10 | 0 | 0 | 0 | NW | NW | NW | | | |
| 11 | 0 | 2 | 8 | N | NE | NE | | | Snow from 7 P.M. Aurora Borealis. |
| 12 | 0 | 1 | 0 | NW | NW | NW | | | |
| 13 | 1 | 7 | 9 | NW | NW | NW | | | |
| 14 | 9 | 9 | 7 | S | S | S | | | Foggy |
| 15 | 10 | 10 | 10 | S | S | S | | | Rain .40 |
| 16 | 1 | 0 | 0 | NW | N | N | | | Aurora Borealis. Morn. & Even. brilliant. |
| 17 | 7 | 3 | 0 | W | W | W | | | |
| 18 | 7 | 5 | 1 | SW | SW | NW | | | |
| 19 | 0 | 0 | 6 | NW | NW | NW | | | Halo |
| 20 | 8 | 8 | 7 | SW | SW | NW | | | |
| 21 | 0 | 6 | 5 | SW | SW | W | | | 7 P.M. Bar. 1.40. Wind high. |
| 22 | 1 | 0 | 6 | N | N | N | | | |
| 23 | 0 | 0 | 0 | N | N | N | | | |
| 24 | 0 | 0 | 0 | N | N | N | | | |
| 25 | 9 | 9 | 8 | SE | SE | SE | | | |
| 26 | 9 | 9 | 9 | SE | SE | S | | | Sleet from 10 P.M. |
| 27 | 10 | 10 | 10 | SE | SE | SE | | | Sleet. In water, 65 |
| 28 | 3 | 4 | 9 | SE | SW | SW | | | |
| 29 | 10 | 8 | 9 | NW | NW | NW | | | Snow to 9 P.M. 3 1/2 in high. |
| 30 | 0 | 0 | 2 | N | N | N | | | |
| 31 | 1 | 0 | 9 | N | | SE | | | |

Winds N 24, NE 2, SE 14, S 4, SW 11, W 7, NW 31

NOTE. Copied from the loose sheets of the
 original records for the months of January
 1848 to January 1849. U.S.M. April 24, 1925.

25
 65
 40
 11
 3
 50
 3.30

METEOROLOGICAL OBSERVATIONS.

Table with columns for DATE, Barometer reduced to 32° F. and attached Thermometer, THERMOMETER (Sunrise, 1:30 P.M., 9:30 P.M., Mean, Max, Min), and HYGROMETER (D. B., W. B. for 7, 2, 9).

Maximum 68 275 803 461
Minimum -14 9.48 29.74 15.28
No. of Obs. at or below zero 29.74
Precipitation 2.65
357.53 55.01
18.14 W. mean 1834
9.48
29.74
2139.22
19.61 J. Mean

DARTMOUTH COLLEGE,

February 1848

19

Table with columns for DATE, CLOUDS (Kind, Amt, 1:30 P.M., 9:30 P.M.), WIND (Dirac, Amt, 1:30 P.M., 9:30 P.M.), PRECIPITATION (Snow, Rain), and REMARKS.

Winds N7, NE2, SE6, S1, SW5, NW66

Copied by U.S.M. April 26, 1928. See note on page 491.

* Remarks 17 and 21 are doubtful, U.S.M.

11
7
3
15
4
2.65

METEOROLOGICAL OBSERVATIONS.

| DATE. | Barometer reduced to 32° F. and attached Thermometer. | | | THERMOMETER. | | | HYGROMETER. | | | | | | | | |
|-------|-------------------------------------------------------|-----------|-----------|--------------|-----------|-----------|-------------|------|------|-------|-------|-------|-------|-------|-------|
| | Sunrise | 1:30 P.M. | 9:30 P.M. | Sunrise | 1:30 P.M. | 9:30 P.M. | Mean. | Max. | Min. | D. B. | W. B. | D. B. | W. B. | D. B. | W. B. |
| 1 | 122.46 | 258.64 | 494.54 | 10 | 16 | 11 | | | | | | | | | |
| 2 | 720.38 | 860.62 | 760.43 | 0 | 18 | 15 | | | | | | | | | |
| 3 | 510.34 | | 140.34 | 13 | | 22 | | | | | | | | | |
| 4 | 490.50 | 550.65 | 445.60 | 16 | 29 | 19 | | | | | | | | | |
| 5 | 190.42 | 250.43 | 488.36 | 20 | 27 | 8 | | | | | | | | | |
| 6 | 342.28 | 300.62 | 384.57 | -4 | 37 | 24 | | | | | | | | | |
| 7 | 540.43 | | 434.52 | 15 | | 34 | | | | | | | | | |
| 8 | 400.56 | 327.72 | 228.64 | 22 | 55 | 41 | | | | | | | | | |
| 9 | 376.54 | 100.67 | 444.64 | 38 | 47 | 32 | | | | | | | | | |
| 10 | 112.51 | 7974.60 | 250.56 | 31 | 39 | 15 | | | | | | | | | |
| 11 | 380.54 | 472.70 | 630.63 | 12 | 28 | 13 | | | | | | | | | |
| 12 | 734.44 | 572.43 | 322.40 | -7 | 36 | 28 | | | | | | | | | |
| 13 | 274.40 | 296.69 | 430.65 | 26 | 42 | 21 | | | | | | | | | |
| 14 | 450.43 | | 420.37 | 10 | | 3 | | | | | | | | | |
| 15 | 390.26 | 474.58 | 588.51 | -3 | 7 | -3 | | | | | | | | | |
| 16 | 684.32 | 720.60 | 688.55 | -10 | 12 | 3 | | | | | | | | | |
| 17 | 410.58 | 258.58 | 270.43 | -9 | 28 | 15 | | | | | | | | | |
| 18 | 222.34 | 275.62 | 364.62 | 13 | 36 | 15 | | | | | | | | | |
| 19 | | 480.46 | 400.45 | 2 | 39 | 31 | | | | | | | | | |
| 20 | 530.60 | 526.62 | 325.54 | 27 | 49 | 37 | | | | | | | | | |
| 21 | 000.48 | 084.66 | 280.64 | 38 | 48 | 37 | | | | | | | | | |
| 22 | 420.50 | 472.66 | 484.59 | 33 | 44 | 35 | | | | | | | | | |
| 23 | 560.49 | 670.62 | 740.60 | 32 | 46 | 27 | | | | | | | | | |
| 24 | 818.65 | 795.68 | 820.62 | 26 | 48 | 26 | | | | | | | | | |
| 25 | 832.51 | 736.71 | 674.68 | 16 | 47 | 29 | | | | | | | | | |
| 26 | 480.53 | 376.55 | 326.52 | 34 | 57 | 38 | | | | | | | | | |
| 27 | 325.52 | | 480.66 | 36 | | 36 | | | | | | | | | |
| 28 | 580.60 | 615.66 | 540.62 | 36 | 46 | 38 | | | | | | | | | |
| 29 | 490.64 | 538.68 | 654.61 | 36 | 50 | 34 | | | | | | | | | |
| 30 | 754.52 | 780.70 | 736.69 | 28 | 53 | 35 | | | | | | | | | |
| 31 | 120.64 | 472.68 | 270.68 | 33 | | 52 | | | | | | | | | |

Maximum 57
 Minimum -10
 No. of obs. at or below zero 7
 Precipitation 2.90
 37.77
 24.87
 384.25 79.74
 28.09 W. Mean 26.58
 21.27
 37.77
 259.38 54.95
 29.69 J. Mean 27.47

DARTMOUTH COLLEGE, March 1848

| DATE. | CLOUDS. | | | | | | WIND. | | | | | | PRECIPITATION. | | REMARKS. |
|-------|---------|------|-------|------|-------|------|-------|------|------|------|------|------|----------------|-------|--------------------------------------|
| | Kind. | Amt. | Kind. | Amt. | Kind. | Amt. | Dir. | Amt. | Dir. | Amt. | Dir. | Amt. | Snow. | Rain. | |
| 1 | 2 | 0 | 1 | | | | NW | | NW | | NW | | | | |
| 2 | 0 | 0 | 9 | | | | NW | | NW | | NW | | | | |
| 3 | 10 | 10 | 9 | | | | NE | | NE | | NW | | | | Snow from 1 A.M. to 9 P.M. 6 in. |
| 4 | 3 | 2 | 3 | | | | NW | | NW | | NW | | | | Kindly A.M. |
| 5 | 6 | 3 | 0 | | | | NW | | NW | | NW | | | | Squally - Kindly. |
| 6 | 0 | 2 | 6 | | | | NW | | SW | | W | | | | |
| 7 | 0 | 2 | 5 | | | | NW | | SW | | SW | | | | |
| 8 | 2 | 0 | 2 | | | | SW | | SW | | SW | | | | Robins seen. |
| 9 | 9 | 9 | 10 | | | | W | | NW | | NE | | | | Snow from 6 1/2 P.M. thro' night to |
| 10 | 10 | 10 | 2 | | | | NE | | NE | | NW | | | | [Noon. 13 inches] |
| 11 | 1 | 0 | 0 | | | | NW | | NW | | NW | | | | |
| 12 | 0 | 9 | 10 | | | | NW | | SW | | SE | | | | Snow from 6 1/2 P.M. 2 inches. |
| 13 | 0 | 0 | 1 | | | | SW | | SW | | NW | | | | Squalls in P.M. |
| 14 | 0 | 0 | 0 | | | | NW | | NW | | NW | | | | |
| 15 | 2 | 0 | 1 | | | | NW | | NW | | NW | | | | |
| 16 | 1 | 2 | 0 | | | | NW | | NW | | NW | | | | |
| 17 | 0 | 8 | 9 | | | | NW | | NW | | NW | | | | Snow from 3 to 5 P.M. |
| 18 | 9 | 1 | 0 | | | | NW | | NW | | NW | | | | |
| 19 | 0 | 0 | 10 | | | | NW | | NW | | SW | | | | Snow from 9 P.M. 2 inches. |
| 20 | F | 1 | 9 | | | | SW | | SW | | SW | | | | |
| 21 | 5 | 9 | 4 | | | | SW | | W | | SW | | | | |
| 22 | 5 | 8 | 7 | | | | NW | | NW | | NW | | | | |
| 23 | 8 | 9 | 3 | | | | SE | | E | | SE | | | | Slight snow 11-12 A.M. |
| 24 | 9 | 4 | 0 | | | | NW | | NW | | NW | | | | Streamers. Aurora Borealis Arch 15°. |
| 25 | 0 | 1 | 2 | | | | NW | | SW | | SW | | | | |
| 26 | 9 | 9 | 10 | | | | SW | | SW | | SW | | | | Rain from 4 P.M. slight. |
| 27 | 10 | 10 | 10 | | | | SW | | SW | | SW | | | | Rainy } .50 + .10 |
| 28 | 10 | 10 | 10 | | | | SW | | SW | | SW | | | | |
| 29 | F | 6 | 0 | | | | SW | | SW | | NW | | | | Aurora faint |
| 30 | 2 | 0 | 0 | | | | NW | | NW | | NW | | | | Snow gone from the Common. |
| 31 | 3 | 7 | 9 | | | | S | | S | | S | | | | |

Kinds NO; NE5; E1; SE3; S3; SW28; W3; NW50.

Copied from original records by S. S. M. See note on page 491. Apr. 2/48

6
13
2
2
60
2.90

METEOROLOGICAL OBSERVATIONS.

Table with columns: DATE, Barometer reduced to 32° F. and attached Thermometer, THERMOMETER (7, 8, 9, Mean, Max, Min), and HYGROMETER (7, 8, 9, D. B., W. B.). Rows 1-31 contain daily observations.

Maximum 69
Minimum 19
Precipitation 1.83
954 1485 1123
31.80 55.08 34.70
53.08
34.88
3720.90 / 22.29
40.80 Mean 40.77
81.80
55.08
2786.80 / 44.44
43.40 J. Mean 42.42

DARTMOUTH COLLEGE,

April 1848

19

Table with columns: DATE, CLOUDS (7, 8, 9), WIND (7, 8, 9), PRECIPITATION (Snow, Rain), and REMARKS. Rows 1-31 contain daily observations with handwritten notes.

Winds NB, NE 7; E 2; SE 5; S 9; SW 8; W 7; NW 4 2. Copied by G. S. M. April 30, 1928. - see note on page 491.

15th From 10:20 - 25 - Dark edge of arch - a little below Beta and thro' eta, Cassiopea(?) G. S. M.

30
05
35
90
13
10
1.83

METEOROLOGICAL OBSERVATIONS.

| DATE. | Barometer reduced to 32° F. and attached Thermometer. | | | THERMOMETER. | | | | HYGROMETER. | | | | | | | |
|-------|-------------------------------------------------------|-----------|-----------|--------------|-----------|-----------|-------|-------------|------|-------|-------|-------|-------|-------|-------|
| | 7 | 8 | 9 | 7 | 8 | 9 | 7 | 8 | 9 | 7 | 8 | 9 | | | |
| | Sunrise | 1:30 P.M. | 9:30 P.M. | Sunrise | 1:30 P.M. | 9:30 P.M. | Mean. | Max. | Min. | D. B. | W. B. | D. B. | W. B. | D. B. | W. B. |
| 1 | 728.51 | 610.58 | | 28 | 70 | 52 | | | | | | | | | |
| 2 | 394.55 | 360.60 | 242.60 | 42 | 61 | 48 | | | | | | | | | |
| 3 | 108.57 | 134.69 | 234.66 | 47 | 49 | 43 | | | | | | | | | |
| 4 | 390.66 | | 440.68 | 34 | 70 | 53 | | | | | | | | | |
| 5 | 421.62 | 434.67 | 400.64 | 51 | 58 | 55 | | | | | | | | | |
| 6 | 335.62 | 340.70 | 300.69 | 54 | 75 | 58 | | | | | | | | | |
| 7 | 236.64 | 084.70 | 212.69 | 57 | 82 | 60 | | | | | | | | | |
| 8 | 280.63 | 308.67 | 380.63 | 48 | 67 | 52 | | | | | | | | | |
| 9 | 443.63 | 428.66 | 426.68 | 47 | 59 | 45 | | | | | | | | | |
| 10 | 380.58 | 290.68 | 324.64 | 42 | 65 | 51 | | | | | | | | | |
| 11 | 054.60 | 7820.67 | 7940.63 | 46 | 43 | 40 | | | | | | | | | |
| 12 | 010.55 | 160.58 | 216.65 | 44 | 60 | 44 | | | | | | | | | |
| 13 | 220.57 | 220.59 | 200.59 | 37 | 59 | 48 | | | | | | | | | |
| 14 | 133.56 | 200.58 | 400.57 | 45 | 54 | 45 | | | | | | | | | |
| 15 | 487.54 | 572.61 | 455.59 | 45 | 59 | 50 | | | | | | | | | |
| 16 | 334.57 | | 444.67 | 49 | | 54 | | | | | | | | | |
| 17 | 484.61 | | 426.67 | 42 | | 55 | | | | | | | | | |
| 18 | | 412.70 | 446.70 | | 82 | 63 | | | | | | | | | |
| 19 | 487.65 | 400.76 | 350.74 | 51 | 82 | 69 | | | | | | | | | |
| 20 | 326.70 | 310.71 | 332.70 | 67 | 79 | 64 | | | | | | | | | |
| 21 | 334.68 | 302.67 | 270.67 | 63 | 72 | 59 | | | | | | | | | |
| 22 | 226.64 | | 375.71 | 57 | | 59 | | | | | | | | | |
| 23 | 430.69 | 424.72 | 470.70 | 56 | 78 | 63 | | | | | | | | | |
| 24 | 440.65 | 480.69 | 452.65 | 56 | 55 | 50 | | | | | | | | | |
| 25 | 466.60 | 400.71 | 386.71 | 50 | 79 | 64 | | | | | | | | | |
| 26 | 420.67 | 400.71 | 470.69 | 56 | 81 | 60 | | | | | | | | | |
| 27 | 560.66 | 590.66 | 634.66 | 52 | 80 | 57 | | | | | | | | | |
| 28 | 708.63 | 660.66 | 676.67 | 56 | 78 | 59 | | | | | | | | | |
| 29 | 652.63 | 570.73 | 420.71 | 51 | 81 | 62 | | | | | | | | | |
| 30 | 294.67 | 160.70 | 085.69 | 61 | 83 | 60 | | | | | | | | | |
| 31 | 070.65 | 192.63 | 275.61 | 54 | 52 | 41 | | | | | | | | | |

Maximum .83
 Minimum .28
 Precipitation 6.65

1485 1428 1683
 44.60 68.61 54.29
 57.29
 3/72.5
 57.50 W. Mean

49.60
 68.61
 2/18.2
 59.10 W. Mean

DARTMOUTH COLLEGE,

May 1848

19

| DATE. | CLOUDS. | | | | WIND. | | | | PRECIPITATION. | | REMARKS. | |
|-------|---------|------|-------|------|-------|------|-------|------|----------------|-------|----------|------|
| | 7 | 8 | 9 | 10 | 7 | 8 | 9 | 10 | Snow. | Rain. | | |
| | Kind. | Amt. | Kind. | Amt. | Kind. | Amt. | Kind. | Amt. | Dir. | Amt. | Dir. | Amt. |
| 1 | 0 | 10 | 10 | | NW | SE | SE | | | | | |
| 2 | 10 | 10 | 10 | | SE | SE | SE | | | | | |
| 3 | 10 | 10 | 4 | | SE | NE | N | | | 2.43 | | |
| 4 | 0 | 0 | 3 | | N | SW | SW | | | | | |
| 5 | 10 | 10 | 9 | | S | SE | SE | | | .65 | | |
| 6 | 9 | 2 | 1 | | SE | S | NW | | | .52 | | |
| 7 | F | 0 | 0 | | SW | SW | NW | | | | | |
| 8 | 0 | 0 | 10 | | NW | NW | NW | | | | | |
| 9 | 9 | 7 | 0 | | SW | SW | SW | | | | | |
| 10 | 7 | 7 | 9 | | SE | SE | NE | | | | | |
| 11 | 10 | 10 | 10 | | NE | N | N | | | 1.04 | | |
| 12 | 9 | 7 | 4 | | NW | NW | NW | | | | | |
| 13 | 3 | 5 | 7 | | NW | SW | SW | | | | | |
| 14 | 10 | 7 | 7 | | SW | NW | NW | | | | | |
| 15 | 6 | 1 | 7 | | NW | NW | SW | | | | | |
| 16 | 10 | 4 | 7 | | SW | W | SW | | | | | |
| 17 | 0 | 0 | 0 | | SW | SW | SW | | | | | |
| 18 | 0 | 0 | 0 | | SW | W | W | | | | | |
| 19 | 0 | 0 | 8 | | SW | SW | SW | | | | | |
| 20 | 9 | 10 | 7 | | W | NW | NW | | | | | |
| 21 | F | 10 | 10 | | NE | NE | E | | | | | |
| 22 | 10 | 10 | 9 | | E | SE | SW | | | | | |
| 23 | 10 | 1 | 8 | | SW | SW | SE | | | | | |
| 24 | 9 | 10 | 10 | | SE | SE | SE | | | | | |
| 25 | 9 | 4 | 1 | | SE | SW | SW | | | | | |
| 26 | 6 | 3 | 8 | | NE | N | N | | | | | |
| 27 | 4 | 6 | 7 | | NE | NE | SE | | | | | |
| 28 | 8 | 2 | 1 | | SW | SW | NW | | | | | |
| 29 | 1 | 1 | 10 | | SE | SW | SE | | | | | |
| 30 | 10 | 3 | 9 | | SW | SW | SW | | | | | |
| 31 | 3 | 8 | 0 | | NW | NW | NW | | | | | |

Winds N7, NE8, E2, SE20, S2, SW29, W4, NW29.

Copied May 1, 1928 by U.S.M. see note on page 491.

*31st 10 hrs. 10. - Arch near feet of Cassiopea
 Note see loose sheet for May. Impossible to read writing at the top, U.S.M.

1.85
 .58
 .65
 .52
 .18
 .61
 .53
 .62
 .10
 .06
 .70
 .85
 6.65

METEOROLOGICAL OBSERVATIONS.

| DATE. | Barometer reduced to 32° F. and attached Thermometer. | | | THERMOMETER. | | | HYGROMETER. | | | | | | | | |
|-------|-------------------------------------------------------|--------|--------|--------------|----|----|-------------|------|------|-------|-------|-------|-------|-------|-------|
| | | | | 7 | | | 2 | | 9 | | | | | | |
| | + | - | + | + | - | - | Mean. | Max. | Min. | D. B. | W. B. | D. B. | W. B. | D. B. | W. B. |
| 1 | 274.54 | 290.73 | 340.64 | 38 | 55 | 45 | | | | | | | | | |
| 2 | 428.55 | 410.69 | 350.68 | 35 | 67 | 52 | | | | | | | | | |
| 3 | 330.60 | 264.67 | 294.69 | 48 | 78 | 60 | | | | | | | | | |
| 4 | 360.65 | 325.72 | 350.70 | 63 | 85 | 64 | | | | | | | | | |
| 5 | 320.68 | 370.66 | 360.65 | 56 | 65 | 56 | | | | | | | | | |
| 6 | 316.63 | 300.70 | 342.65 | 56 | 71 | 52 | | | | | | | | | |
| 7 | 378.60 | 416.70 | 472.69 | 49 | 57 | 51 | | | | | | | | | |
| 8 | 450.65 | 470.69 | 440.67 | 54 | 72 | 56 | | | | | | | | | |
| 9 | | 310.69 | 350.68 | 54 | 81 | 60 | | | | | | | | | |
| 10 | 342.63 | 302.71 | 300.69 | 48 | 86 | 62 | | | | | | | | | |
| 11 | 280.65 | 246.69 | 408.66 | 54 | 70 | 51 | | | | | | | | | |
| 12 | 435.61 | 586.68 | 310.61 | 41 | 53 | 47 | | | | | | | | | |
| 13 | 265.55 | 280.66 | 276.63 | 42 | 54 | 52 | | | | | | | | | |
| 14 | 232.60 | | 300.66 | 52 | | 52 | | | | | | | | | |
| 15 | 328.60 | 325.69 | 325.68 | 43 | 78 | 54 | | | | | | | | | |
| 16 | 300.65 | 250.70 | 328.74 | 58 | 90 | 59 | | | | | | | | | |
| 17 | 380.66 | 385.76 | 384.78 | 64 | 91 | 74 | | | | | | | | | |
| 18 | 386.73 | 358.80 | 356.78 | 67 | 90 | 74 | | | | | | | | | |
| 19 | 340.76 | 376.80 | 364.78 | 70 | 89 | 74 | | | | | | | | | |
| 20 | 300.75 | 290.76 | 236.74 | 69 | 79 | 68 | | | | | | | | | |
| 21 | 180.72 | 230.74 | 264.73 | 66 | 79 | 66 | | | | | | | | | |
| 22 | 340.66 | 380.71 | 433.71 | 56 | 75 | 63 | | | | | | | | | |
| 23 | | 240.72 | 120.73 | 58 | 76 | 72 | | | | | | | | | |
| 24 | 200.69 | 240.72 | 378.69 | 64 | 75 | 60 | | | | | | | | | |
| 25 | 448.61 | 384.65 | 446.64 | 53 | 69 | 52 | | | | | | | | | |
| 26 | 572.61 | 564.64 | 568.69 | 46 | 79 | 66 | | | | | | | | | |
| 27 | 590.65 | 518.69 | 484.74 | 59 | 81 | 72 | | | | | | | | | |
| 28 | 420.71 | 390.75 | 432.72 | 67 | 81 | 71 | | | | | | | | | |
| 29 | 478.71 | 478.74 | 505.73 | 67 | 79 | 70 | | | | | | | | | |
| 30 | 524.72 | 476.73 | 478.72 | 68 | 74 | 64 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | |

Maximum 91.
 Minimum 35.
 Precipitation 2.11
 1662 2129 1819
 55.40 73.41 60.63
 78.42
 60.63
 3187.44 191.26
 63.20 Mean 63.76
 55.40
 73.41
 2128.81
 64.405 Mean

DARTMOUTH COLLEGE,

June 1848

18

| DATE. | CLOUDS. | | | WIND. | | | PRECIPITATION. | | REMARKS. |
|-------|---------|-------|-------|-------|-------|-------|----------------|-------|--------------------------------------|
| | + | - | + | + | - | + | - | | |
| | Kind. | Amnt. | Kind. | Amnt. | Kind. | Amnt. | Kind. | Amnt. | |
| 1 | 9 | 2 | 0 | NW | NW | NW | | | Windy |
| 2 | 0 | 6 | 0 | NW | NW | N | | | Slight frost. |
| 3 | 4 | 7 | 1 | SW | SW | SW | | | |
| 4 | F | 0 | 1 | SW | S | SE | | | |
| 5 | 7 | 9 | 10 | SE | SE | SE | | | Slight rain. |
| 6 | 9 | 5 | 4 | SE | SE | NE | | | Rain from 3 to 5 P.M. .68. |
| 7 | 10 | 10 | 10 | NE | NW | NW | | | Rain thro' the day. .32 |
| 8 | 10 | 7 | 2 | NW | NW | NW | | | |
| 9 | 3 | 6 | 9 | NE | NE | NW | | | |
| 10 | F | 4 | 8 | NW | SW | SW | | | |
| 11 | 0 | 3 | 1 | SW | W | NW | | | High wind. |
| 12 | 0 | 1 | 2 | NW | NW | NW | | | |
| 13 | 8 | 4 | 4 | NW | NW | NW | | | |
| 14 | 0 | 1 | 2 | NW | NW | NW | | | |
| 15 | 1 | 3 | 3 | NW | NW | NW | | | Thun. Shower from 10 to 11 P.M. .05 |
| 16 | 1 | 1 | 2 | SW | SW | SW | | | Thun. Shower from 2 1/2 to 3 1/2 .30 |
| 17 | F | 1 | 3 | SW | SW | SW | | | |
| 18 | 4 | 5 | 1 | S | SW | S | | | Thun. Shower from 2 to 4 1/2 .60 |
| 19 | 2 | 4 | 8 | SW | SW | SW | | | |
| 20 | 8 | 8 | 8 | SW | SW | SW | | | Sprinkling of rain. |
| 21 | 10 | 3 | 1 | SW | SW | SW | | | Rainy morning. 06 Lightning SE. |
| 22 | 0 | 1 | 0 | W | NW | NW | | | Aurora Borealis from 10 1/2 P.M. |
| 23 | 9 | 9 | 5 | SW | SW | SW | | | Windy night. |
| 24 | 2 | 3 | 0 | NW | NW | NW | | | |
| 25 | 0 | 3 | 0 | NW | NW | W | | | |
| 26 | F | 0 | 1 | N | NW | NW | | | |
| 27 | 3 | 3 | 8 | NW | SE | SE | | | |
| 28 | 8 | 8 | 9 | S | S | S | | | Rain from 10 P.M. .10 |
| 29 | 4 | 6 | 3 | NW | NW | SE | | | |
| 30 | 10 | 8 | 9 | SE | SE | SE | | | Slight rain. Thunder at night. |
| 31 | | | | | | | | | |

Winds N2, NE4, SE12, S6, SW26, W3, NW37. Copied May 2, 1928 by G.S.M. See note on page 491.

68
 32
 05
 30
 06
 10
 2.11

METEOROLOGICAL OBSERVATIONS.

Table with columns for DATE, Barometer reduced to 32° F. and attached Thermometer, THERMOMETER (Sunrise, 1:30 P.M., 9:30 P.M., Mean, Max., Min.), and HYGROMETER (D. B., W. B. for 7, 2, 9).

Maximum 89
Minimum 51
Precipitation 6.55
18.44 20.72 19.33
57.42 74.00 63.16
74.00
68.16
3/26.58
65.58 Mean 65.57
59.42
74.00
2/33.42
66.70 J. Mean

DARTMOUTH COLLEGE,

July 1848

19

Table with columns for DATE, CLOUDS (Kind, Amount, 7, 2, 9), WIND (Dirac, Amount, 7, 2, 9), PRECIPITATION (Snow, Rain), and REMARKS.

Kinds N1, NE8, SE21, S2, SW37, W1, NW21. Copied May 3, 1928 by G. J. M. see note on page 491.
*11 The Aur. Bor. was very brilliant. First noticed about 8 1/2. Light flashes from N. NW and E. over zenith. From 9 1/4 to 9 3/4 brilliant in color, and corona near the center of Triangle formed by Gamma, Alpha, Sept, Alpha Dya - South of Epsilon. Hercules - Observed to 11. 41M.

55
102
30
30
32
76
187
70
73
6.55

METEOROLOGICAL OBSERVATIONS.

| DATE. | Barometer reduced to 32° F. and attached Thermometer. | | | THERMOMETER. | | | HYGROMETER. | | | | | | | | | |
|-------|-------------------------------------------------------|-----------|-----------|--------------|----|----|-------------|------|------|---|-------|-------|-------|-------|-------|-------|
| | Sunrise | 1:30 P.M. | 9:30 P.M. | 7 | 8 | 9 | Mean. | Max. | Min. | 7 | | 8 | | 9 | | |
| | | | | | | | | | | | D. B. | W. B. | D. B. | W. B. | D. B. | W. B. |
| 1 | 224.67 | 280.71 | 433.69 | 61 | 80 | 60 | | | | | | | | | | |
| 2 | 544.63 | 578.70 | 664.69 | 53 | 80 | 60 | | | | | | | | | | |
| 3 | 696.61 | 722.67 | 720.71 | 53 | 82 | 68 | | | | | | | | | | |
| 4 | 676.68 | 550.72 | 478.71 | 60 | 76 | 68 | | | | | | | | | | |
| 5 | 324.69 | 260.73 | 330.72 | 66 | 78 | 66 | | | | | | | | | | |
| 6 | 403.68 | 428.70 | 526.69 | 62 | 73 | 59 | | | | | | | | | | |
| 7 | 604.66 | 648.73 | 654.71 | 58 | 81 | 64 | | | | | | | | | | |
| 8 | 720.65 | | 684.71 | 53 | | 68 | | | | | | | | | | |
| 9 | 676.65 | 630.69 | 574.70 | 54 | 84 | 64 | | | | | | | | | | |
| 10 | 575.64 | 528.73 | 530.72 | 55 | 85 | 67 | | | | | | | | | | |
| 11 | 522.67 | 512.77 | 628.74 | 59 | 89 | 72 | | | | | | | | | | |
| 12 | 683.70 | 676.77 | 730.73 | 65 | 86 | 69 | | | | | | | | | | |
| 13 | 776.71 | 750.74 | 744.73 | 67 | 86 | 69 | | | | | | | | | | |
| 14 | 710.73 | 634.78 | 648.73 | 65 | 87 | 69 | | | | | | | | | | |
| 15 | 690.73 | 665.81 | 690.70 | 66 | 89 | 74 | | | | | | | | | | |
| 16 | 650.71 | 574.80 | 536.79 | 70 | 86 | 73 | | | | | | | | | | |
| 17 | 485.76 | 462.81 | 446.76 | 74 | 84 | 68 | | | | | | | | | | |
| 18 | 370.74 | 370.72 | 322.73 | 68 | 68 | 65 | | | | | | | | | | |
| 19 | 335.66 | 352.65 | 456.66 | 56 | 64 | 60 | | | | | | | | | | |
| 20 | 450.64 | 441.66 | 446.68 | 53 | 71 | 58 | | | | | | | | | | |
| 21 | 582.64 | 554.68 | 590.67 | 48 | 72 | 55 | | | | | | | | | | |
| 22 | 658.63 | 612.68 | 634.69 | 46 | 74 | 58 | | | | | | | | | | |
| 23 | 666.64 | 637.71 | 627.67 | 49 | 76 | 59 | | | | | | | | | | |
| 24 | 694.64 | 620.65 | 715.66 | 53 | 72 | 56 | | | | | | | | | | |
| 25 | 804.62 | 777.66 | 800.67 | 44 | 77 | 56 | | | | | | | | | | |
| 26 | 822.62 | 810.68 | 820.68 | 48 | 75 | 62 | | | | | | | | | | |
| 27 | 830.64 | 719.69 | 620.70 | 56 | 78 | 61 | | | | | | | | | | |
| 28 | 578.65 | 436.69 | 290.68 | 52 | 69 | 60 | | | | | | | | | | |
| 29 | 272.67 | | 432.68 | 61 | | 54 | | | | | | | | | | |
| 30 | 440.65 | 384.73 | 396.72 | 51 | 84 | 56 | | | | | | | | | | |
| 31 | 334.65 | 248.73 | 236.73 | 58 | 82 | 64 | | | | | | | | | | |

Maximum 89 1766 2288 1952
 Minimum 44 5374 7857 6277
 Precipitation 5.51 62.93 78.94
 3/135.26 5/59.3 6/6.44 20.71
 65.09 % Mean
 53.74 57.24
 78.55 75.87
 2/132.29 2/32.78
 69.14 % Mean

DARTMOUTH COLLEGE,

August 1848

| DATE. | CLOUDS. | | | | WIND. | | | | PRECIPITATION. | | REMARKS. |
|-------|---------|-------|------|------|-------|------|------|------|----------------|---------------------------------------------------------|----------|
| | Kind | Amt. | Kind | Amt. | Kind | Amt. | Kind | Amt. | Snow | Rain. | |
| 1 | 1 | 0 | 0 | 0 | W | NW | NW | | | | |
| 2 | 0 | 1 | 0 | 0 | NW | NW | NW | | | | |
| 3 | F | 0 | 2 | 0 | NW | NW | SE | | | | |
| 4 | 3 | 7 | 9 | 0 | SE | SE | SE | | | Rain before midnight | |
| 5 | 10 | 3 | 2 | 0 | SE | SW | W | | | Shower at 11 P.M. .40 | |
| 6 | 8 | 1 | 6 | 0 | NW | NW | NW | | | | |
| 7 | 0 | 0 | 0 | 0 | NW | NW | NW | | | | |
| 8 | F | 0 | 0 | 0 | SW | SW | SW | | | Aur. Bor. from 9 1/2 P.M. Bill'nt. Steam [Aur. Crimson] | |
| 9 | F | 3 | 0 | 0 | SW | SW | SW | | | | |
| 10 | F | 1 | 0 | 0 | SW | SW | SW | | | | |
| 11 | F | 0 | 1 | 0 | SW | SW | SW | | | | |
| 12 | F | 3 | 2 | 0 | SW | SW | SW | | | | |
| 13 | F | 0 | 0 | 0 | SW | SW | SE | | | | |
| 14 | 3 | 1 | 0 | 0 | SE | SW | SW | | | | |
| 15 | 0 | 2 | 3 | 0 | SW | SW | SW | | | | |
| 16 | 3 | 3 1/2 | 4 | 0 | S | S | S | | | | |
| 17 | 5 | 8 | 10 | 0 | S | S | SE | | | Rain from 4 P.M. 17th to 2 P.M. 18th day | |
| 18 | 10 | 10 | 9 | 0 | S | S | SW | | | [3.75] | |
| 19 | 8 | 8 | 2 | 0 | N | N | NW | | | Rain in night. 93. | |
| 20 | F | 1 | 0 | 0 | NW | N | N | | | | |
| 21 | F | 2 | 0 | 0 | N | N | N | | | Aurora brilliant with streamers. | |
| 22 | F | 1 | 1 | 0 | N | N | N | | | | |
| 23 | F | 1 | 4 | 0 | NE | NE | NE | | | | |
| 24 | F | 2 | 1 | 0 | NE | NE | NE | | | | |
| 25 | F | 1 | 0 | 0 | SE | SE | SE | | | | |
| 26 | F | 3 | 8 | 0 | SW | SW | SE | | | | |
| 27 | F | 1 | 0 | 0 | SW | SW | SW | | | | |
| 28 | F | 8 | 10 | 0 | SW | SW | S | | | Rain from 2 P.M. .45. | |
| 29 | 3 | 2 | 0 | 0 | SW | SW | SW | | | | |
| 30 | F | 0 | 0 | 0 | SW | SW | SW | | | | |
| 31 | F | 0 | 8 | 0 | SW | SW | SW | | | | |

Winds N10, NE6, SE12, S6, SW40, W2, NW15.

Copied May 4, 1928 by G. J. M. See note on page 491.

* Beautiful

.40
 3.73
 93
 45
 5.51

METEOROLOGICAL OBSERVATIONS.

| DATE. | Barometer reduced to 32° F. and attached Thermometer. | | | THERMOMETER. | | | HYGROMETER. | | | | | | | | |
|-------|-------------------------------------------------------|-----------|-----------|--------------|-----------|-----------|-------------|------|------|---|---|---|---|---|---|
| | Sunrise | 1:30 P.M. | 9:30 P.M. | Sunrise | 1:30 P.M. | 9:30 P.M. | Mean. | Max. | Min. | 7 | 2 | 9 | 7 | 2 | 9 |
| 1 | 192.70 | | 190.70 | 63 | 63 | | | | | | | | | | |
| 2 | | 290.69 | 380.70 | | 67 | 59 | | | | | | | | | |
| 3 | 444.66 | 438.69 | 500.69 | 61 | 73 | 61 | | | | | | | | | |
| 4 | 520.65 | | 440.68 | | | 59 | | | | | | | | | |
| 5 | 435.66 | | 400.70 | | 80 | 66 | | | | | | | | | |
| 6 | 450.70 | 492.71 | 565.65 | 62 | 70 | 52 | | | | | | | | | |
| 7 | 580.62 | 555.67 | 590.64 | 42 | 63 | 47 | | | | | | | | | |
| 8 | | 500.72 | 436.70 | 42 | 62 | 55 | | | | | | | | | |
| 9 | 414.65 | 410.72 | 514.69 | 55 | 68 | 53 | | | | | | | | | |
| 10 | 520.63 | 570.66 | 530.67 | 42 | 67 | 51 | | | | | | | | | |
| 11 | 539.63 | 476.65 | 458.69 | 50 | 75 | 65 | | | | | | | | | |
| 12 | 460.68 | 590.70 | | 56 | 69 | | | | | | | | | | |
| 13 | 790.61 | 760.67 | 796.64 | 34 | 62 | 38 | | | | | | | | | |
| 14 | | 568.69 | 340.69 | 35 | 52 | 47 | | | | | | | | | |
| 15 | 000.63 | 790.68 | 140.67 | 54 | 64 | 48 | | | | | | | | | |
| 16 | 264.63 | | 360.63 | 40 | | 40 | | | | | | | | | |
| 17 | 526.53 | 420.59 | 435.60 | 33 | 63 | 50 | | | | | | | | | |
| 18 | 326.56 | 340.68 | 530.66 | 48 | 64 | 48 | | | | | | | | | |
| 19 | 624.59 | 525.69 | 530.65 | 49 | 72 | 56 | | | | | | | | | |
| 20 | | | 370.70 | 57 | | 57 | | | | | | | | | |
| 21 | 370.63 | 400.67 | 536.62 | 56 | 62 | 42 | | | | | | | | | |
| 22 | 530.56 | 446.64 | 382.66 | 36 | 50 | 43 | | | | | | | | | |
| 23 | 350.68 | | 200.58 | | | 42 | | | | | | | | | |
| 24 | 177.55 | 280.60 | 410.60 | 46 | 59 | 40 | | | | | | | | | |
| 25 | 458.52 | 400.65 | 330.62 | 36 | 53 | 42 | | | | | | | | | |
| 26 | 382.56 | 500.66 | 600.57 | 42 | 48 | 31 | | | | | | | | | |
| 27 | 552.50 | 428.58 | 250.54 | 24 | 49 | 33 | | | | | | | | | |
| 28 | 112.50 | 120.60 | 236.57 | 26 | 50 | 36 | | | | | | | | | |
| 29 | | 174.66 | 250.64 | 26 | 56 | 56 | | | | | | | | | |
| 30 | 340.62 | 400.70 | 500.69 | 57 | 73 | 59 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | |

Maximum 80
 Minimum 24
 Precipitation 3.15
 1187
 43.42
 62.46
 49.14
 3157.02
 52.34 A. Mean
 43.42
 62.46
 2107.88
 53.94 A. Mean

DARTMOUTH COLLEGE, September 1848

| DATE. | CLOUDS. | | | | | | WIND. | | | | | | PRECIPITATION. | | REMARKS. |
|-------|---------|------|-------|------|-------|------|-------|------|------|------|------|------|----------------|-------|----------|
| | Kind. | Amt. | Kind. | Amt. | Kind. | Amt. | Dir. | Amt. | Dir. | Amt. | Dir. | Amt. | Snow. | Rain. | |
| 1 | 9 | | 3 | | SW | | | | | NW | | | | .30 | |
| 2 | 6 | 9 | 5 | | NW | NW | | | | NW | | | | .50 | |
| 3 | 3 | 3 | 2 | | NW | NW | | | | NW | | | | .68 | |
| 4 | | 4 | 6 | | NW | NW | | | | NW | | | | .48 | |
| 5 | 0 | 0 | 10 | | NW | SW | | | | SW | | | | .12 | |
| 6 | 7 | 1 | 0 | | NW | NW | | | | NW | | | | .22 | |
| 7 | F | 3 | 0 | | NW | NW | | | | NW | | | | .85 | |
| 8 | F | 0 | 0 | | SW | SW | | | | SW | | | | 3.15 | |
| 9 | 8 | 8 | 0 | | SW | SW | | | | NW | | | | | |
| 10 | F | 0 | 1 | | NW | SW | | | | SW | | | | | |
| 11 | F | 6 | 8 | | SW | SW | | | | SW | | | | | |
| 12 | 10 | 2 | | | NW | NW | | | | NW | | | | | |
| 13 | F | 8 | 0 | | NW | NW | | | | NW | | | | | |
| 14 | F | 10 | 10 | | NW | SE | | | | SE | | | | | |
| 15 | 10 | 7 | 7 | | SE | NW | | | | NW | | | | | |
| 16 | 8 | 3 | 0 | | NW | NW | | | | NW | | | | | |
| 17 | F | 4 | 9 | | NW | SE | | | | SE | | | | | |
| 18 | 10 | 8 | 2 | | SE | SE | | | | NE | | | | | |
| 19 | F | 5 | 0 | | NW | NW | | | | SW | | | | | |
| 20 | 9 | 10 | 10 | | SE | SE | | | | SE | | | | | |
| 21 | 9 | 9 | 0 | | SW | SW | | | | SW | | | | | |
| 22 | 8 | 9 | 3 | | NW | N | | | | NW | | | | | |
| 23 | 9 | | 2 | | NW | NW | | | | NW | | | | | |
| 24 | 7 | 6 | 0 | | NW | N | | | | NW | | | | | |
| 25 | F | 9 | 0 | | NW | NW | | | | NW | | | | | |
| 26 | 2 | 3 | 0 | | NW | NW | | | | NW | | | | | |
| 27 | 0 | 1 | 1 | | NW | NW | | | | NW | | | | | |
| 28 | F | 3 | 9 | | NW | NW | | | | NW | | | | | |
| 29 | 9 | 9 | 10 | | SW | SW | | | | SW | | | | | |
| 30 | 8 | 5 | 9 | | SW | SW | | | | SW | | | | | |
| 31 | | | | | | | | | | | | | | | |

Winds N 3, NE 1, SE 10, SW 23, W 0, NW 52.

Copied by G. S. M. May 5, 1928. See note on page 491.

METEOROLOGICAL OBSERVATIONS.

| DATE. | Barometer reduced to 32° F. and attached Thermometer. | | | THERMOMETER. | | | | | | HYGROMETER. | | | | | |
|-------|-------------------------------------------------------|------------|-----------|--------------|-----------|-----------|-------|------|------|-------------|-------|-------|-------|-------|-------|
| | 7 | 8 | 9 | 7 | 8 | 9 | Mean. | Max. | Min. | D. B. | W. B. | D. B. | W. B. | D. B. | W. B. |
| | Sunrise | 11:30 A.M. | 9:30 P.M. | Sunrise | 1:30 P.M. | 9:30 P.M. | | | | | | | | | |
| 1 | 384.52 | 331.66 | 320.66 | 33 | 49 | 31 | | | | | | | | | |
| 2 | 350.52 | | 620.55 | 26 | | 37 | | | | | | | | | |
| 3 | 752.50 | 856.62 | 932.54 | 32 | 46 | 26 | | | | | | | | | |
| 4 | 852.46 | 752.64 | 626.62 | 25 | 42 | 41 | | | | | | | | | |
| 5 | 300.54 | 000.54 | 128.53 | 46 | 51 | 34 | | | | | | | | | |
| 6 | | 240.64 | 250.58 | 30 | 43 | 36 | | | | | | | | | |
| 7 | 240.57 | | 524.62 | 34 | | 30 | | | | | | | | | |
| 8 | 641.49 | 590.53 | 588.62 | 23 | 38 | 28 | | | | | | | | | |
| 9 | 470.52 | | 620.53 | 30 | 36 | 22 | | | | | | | | | |
| 10 | 725.41 | 822.45 | 950.57 | 13 | 20 | 14 | | | | | | | | | |
| 11 | 942.40 | 900.45 | 884.41 | 12 | 26 | 24 | | | | | | | | | |
| 12 | 850.39 | 824.41 | 820.41 | 24 | 33 | 28 | | | | | | | | | |
| 13 | 820.40 | 858.61 | 860.52 | 28 | 40 | 21 | | | | | | | | | |
| 14 | 820.40 | | 595.66 | 11 | | 27 | | | | | | | | | |
| 15 | 370.49 | | 384.63 | 31 | 42 | 33 | | | | | | | | | |
| 16 | 384.52 | | 340.68 | 31 | | 36 | | | | | | | | | |
| 17 | 342.52 | 424.64 | 500.48 | 36 | 42 | 29 | | | | | | | | | |
| 18 | 590.46 | | 740.59 | 25 | 35 | 24 | | | | | | | | | |
| 19 | 750.48 | 726.54 | 590.48 | 26 | 34 | 28 | | | | | | | | | |
| 20 | 380.52 | 320.70 | 325.62 | 28 | 29 | 26 | | | | | | | | | |
| 21 | 384.66 | | 384.61 | 26 | | 23 | | | | | | | | | |
| 22 | 400.55 | 426.68 | 444.65 | 28 | 38 | 32 | | | | | | | | | |
| 23 | 442.54 | 470.68 | 450.55 | 29 | 40 | 24 | | | | | | | | | |
| 24 | 492.55 | 400.67 | 120.59 | 22 | 38 | 39 | | | | | | | | | |
| 25 | 7848.53 | 7850.64 | 7930.54 | 40 | 48 | 39 | | | | | | | | | |
| 26 | 050.49 | 150.49 | 350.46 | 36 | 36 | 30 | | | | | | | | | |
| 27 | 550.47 | 720.73 | 786.56 | 26 | 30 | 15 | | | | | | | | | |
| 28 | 800.50 | 720.71 | 634.66 | 11 | 34 | 28 | | | | | | | | | |
| 29 | 550.50 | | 488.57 | 26 | | 37 | | | | | | | | | |
| 30 | 322.51 | | 496.52 | 29 | 46 | 36 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | |

Maximum 51 817 916 878
 Minimum 11 23.98 38.12 29.29
 Precipitation 332 29.29 27.23
 371.29 31.55 W.M.
 30.43 A. Mean
 28.42 27.23
 38.12 38.12
 262.02 265.09
 32.01 J. Mean

DARTMOUTH COLLEGE, November 1848

| DATE. | CLOUDS. | | | | WIND. | | | | PRECIPITATION. | | REMARKS. |
|-------|---------|-----------|-----------|---------|-----------|-----------|---------|-----------|----------------|-------|----------------------------------|
| | Kind. | Amt. | Kind. | Amt. | Dir. | Amt. | Dir. | Amt. | Snow. | Rain. | |
| | Sunrise | 1:30 P.M. | 4:30 P.M. | Sunrise | 1:30 P.M. | 4:30 P.M. | Sunrise | 1:30 P.M. | 4:30 P.M. | | |
| 1 | F | 0 | 0 | | | | SW | SW | SW | | |
| 2 | 3 | 1 | 2 | | | | SW | NW | NW | | |
| 3 | 7 | 6 | 0 | | | | NW | W | NW | | |
| 4 | 5 | 10 | 10 | | | | SE | SE | SE | | Rain from 8 P.M. |
| 5 | 10 | 10 | 7 | | | | SE | SE | NW | | * 25. Rain 75 + 55 = 1.55 |
| 6 | 0 | 7 | 7 | | | | NW | NW | NW | | |
| 7 | 9 | | 9 | | | | SW | | NW | | Snow squalls from 11 A.M. |
| 8 | 0 | 9 | 7 | | | | NW | NW | NW | | Hazy Evening |
| 9 | 10 | 6 | 9 | | | | NW | | NW | | Squalls of snow. |
| 10 | 0 | 0 | 2 | | | | NW | NW | NW | | |
| 11 | 9 | 4 | 9 | | | | NW | NW | NW | | |
| 12 | 10 | 10 | 9 | | | | NW | NW | NW | | Snow 3 inches |
| 13 | 10 | 2 | 0 | | | | NW | SW | NW | | |
| 14 | 0 | 0 | 9 | | | | NW | NW | NW | | |
| 15 | 10 | 9 | 1 | | | | SE | | SW | | |
| 16 | 3 | 0 | 6 | | | | SW | S | SW | | |
| 17 | 4 | 7 | 2 | | | | SW | NW | NW | | Splendid Aurora from 6 P.M. |
| 18 | 0 | 3 | 0 | | | | NW | NW | NW | | Auroral glow? |
| 19 | 3 | 4 | 10 | | | | N | N | N | | |
| 20 | 10 | 10 | 10 | | | | NW | NW | NW | | Snow - 1 1/2 inches. |
| 21 | 5 | 3 | 2 | | | | NW | NW | NW | | Aurora Borealis. |
| 22 | 10 | 10 | 10 | | | | NW | NW | NW | | |
| 23 | 10 | 3 | 0 | | | | NW | NW | NW | | Aurora Borealis, streamers. |
| 24 | 3 | 9 | 10 | | | | NW | NW | SE | | Rain from 4 P.M. thro' night, 60 |
| 25 | 10 | 2 | 9 | | | | SE | NW | | | |
| 26 | 9 | 10 | 9 | | | | NW | NW | NW | | |
| 27 | 9 | 3 | 0 | | | | NW | NW | NW | | Aurora Borealis |
| 28 | 0 | 1 | 8 | | | | NW | NW | | | |
| 29 | 4 | 4 | 6 | | | | NW | | SW | | |
| 30 | 4 | 3 | 1 | | | | S | S | SW | | |
| 31 | | | | | | | | | | | |

Winds N 3, SE 7, 53, SW 12, W 1, NW 57. Copied by U. S. M. May 9, 1928. See note on page 491.

5th. Barom. 28.950 at 3 1/2 P.M. and Wind changed to NW, and rain till 7 P.M.
 17th. Remarkable - Crimson Aurora Borealis - 6 P.M. - Sky muggy in all
 quarters, 9. Brilliant Aurora - center - hydrometer 9-5 - Bright arch from East
 thro' Pleides to ? 9 1/2 Splendid aurora from ten 10 P.M. Clouded up suddenly over whole sphere.

1.55
 3
 15
 60
 72
 3.32

METEOROLOGICAL OBSERVATIONS.

| DATE. | Barometer reduced to 32° F. and attached Thermometer. | | | THERMOMETER. | | | HYGROMETER. | | | | | | | | |
|-------|-------------------------------------------------------|-------------|-------------|--------------|-------------|-------------|-------------|------|------|-------|-------|-------|-------|-------|-------|
| | ☯ Sunrise | ☯ 1:30 P.M. | ☯ 9:30 P.M. | ☯ Sunrise | ☯ 1:30 P.M. | ☯ 9:30 P.M. | Mean. | Max. | Min. | D. B. | W. B. | D. B. | W. B. | D. B. | W. B. |
| 1 | 676.53 | | 740.62 | 30 | | 27 | | | | | | | | | |
| 2 | 474.49 | 050.68 | 200.63 | 29 | 42 | 38 | | | | | | | | | |
| 3 | 280.52 | 358.53 | 542.49 | 36 | 41 | 35 | | | | | | | | | |
| 4 | 674.57 | 734.74 | 878.72 | 32 | 43 | 32 | | | | | | | | | |
| 5 | 416.59 | | 832.56 | 32 | | 33 | | | | | | | | | |
| 6 | 700.58 | 700.65 | 754.63 | 33 | 37 | 33 | | | | | | | | | |
| 7 | 700.49 | 683.62 | 590.62 | 31 | 34 | 32 | | | | | | | | | |
| 8 | 336.55 | 280.62 | 426.68 | 33 | 40 | 32 | | | | | | | | | |
| 9 | 650.59 | | 800.61 | 36 | | 31 | | | | | | | | | |
| 10 | 550.49 | 362.49 | 110.48 | 31 | 35 | 34 | | | | | | | | | |
| 11 | 195.48 | | 444.69 | 36 | | 32 | | | | | | | | | |
| 12 | 528.56 | 600.67 | 595.60 | 30 | 37 | 27 | | | | | | | | | |
| 13 | 290.48 | 804.69 | 788.67 | 28 | 35 | 33 | | | | | | | | | |
| 14 | 650.53 | 602.69 | 440.68 | 34 | 40 | 38 | | | | | | | | | |
| 15 | 264.57 | 316.67 | 650.62 | 40 | 47 | 28 | | | | | | | | | |
| 16 | 718.47 | | 400.66 | 19 | | 34 | | | | | | | | | |
| 17 | 238.53 | 320.55 | 300.57 | 34 | 43 | 31 | | | | | | | | | |
| 18 | 325.54 | 472.52 | 500.65 | 42 | 43 | 31 | | | | | | | | | |
| 19 | 280.59 | 174.57 | 370.53 | 30 | 47 | 46 | | | | | | | | | |
| 20 | 600.57 | 630.60 | 540.64 | 32 | 33 | 28 | | | | | | | | | |
| 21 | 470.51 | 533.66 | 620.63 | 24 | 22 | 15 | | | | | | | | | |
| 22 | 686.37 | | 426.52 | 7 | 10 | 10 | | | | | | | | | |
| 23 | 800.40 | 840.65 | 875.46 | 0 | 11 | -8 | | | | | | | | | |
| 24 | 743.26 | 584.26 | 436.28 | -10 | 5 | 15 | | | | | | | | | |
| 25 | 340.32 | 234.38 | 371.37 | 25 | 37 | 33 | | | | | | | | | |
| 26 | 497.31 | 722.46 | 922.38 | 26 | 20 | 8 | | | | | | | | | |
| 27 | 944.27 | 624.56 | 500.32 | *29 | 25 | 12 | | | | | | | | | |
| 28 | 222.32 | 426.40 | 604.37 | 18 | 28 | 9 | | | | | | | | | |
| 29 | 622.29 | 432.33 | 421.35 | 8 | 22 | 20 | | | | | | | | | |
| 30 | 171.33 | 076.36 | 094.37 | 21 | 25 | 13 | | | | | | | | | |
| 31 | 126.34 | 378.32 | 438.29 | 23 | 29 | 12 | | | | | | | | | |

Maximum 47 781 831 794
 Minimum -10 25.19 31.97 25.61
 Precipitation 4.94 31.97 25.61
 *27 Countful 3182.77
 27.59 J. Mean
 25.19
 31.97
 25716
 28.58 J. Mean

DARTMOUTH COLLEGE,

December 1848

| DATE. | CLOUDS. | | | | | | WIND. | | | | | | PRECIPITATION. | | REMARKS. |
|-------|---------|--------|---------|--------|---------|--------|----------|--------|----------|--------|----------|--------|----------------|----------------------------------------------------------------------------|----------|
| | ☯ Kind. | ☯ Amt. | ☯ Kind. | ☯ Amt. | ☯ Kind. | ☯ Amt. | ☯ Direc. | ☯ Amt. | ☯ Direc. | ☯ Amt. | ☯ Direc. | ☯ Amt. | Snow. | Rain. | |
| 1 | 8 | | | | 9 | | NW | | | | SE | | | | |
| 2 | 10 | | 10 | | 2 | | SE | | SE | | SW | | | | |
| 3 | 2 | | 8 | | 6 | | SW | | SW | | W | | | Rain from morn to 4 1/2 P.M. .72 | |
| 4 | 9 | | 5 | | 9 | | W | | NW | | N | | | | |
| 5 | 10 | | 10 | | 10 | | NW | | NE | | NE | | | | |
| 6 | 10 | | 10 | | 10 | | NE | | NE | | NE | | | Snow and rain thro' day and night. Rain thro' day and night and day. 45 | |
| 7 | 10 | | 10 | | 10 | | SE | | SE | | SE | | | | |
| 8 | 10 | | F | | 5 | | SE | | S | | SW | | | | |
| 9 | 3 | | 5 | | 8 | | NW | | NW | | NW | | | | |
| 10 | 10 | | 10 | | 10 | | SE | | SE | | SE | | | Sleet thro' day. 87. | |
| 11 | 6 | | 4 | | 8 | | NW | | NW | | NW | | | | |
| 12 | 3 | | 9 | | 8 | | SW | | SW | | S | | | | |
| 13 | 9 | | 9 | | 9 | | S | | SW | | SW | | | | |
| 14 | 10 | | 9 | | 10 | | SW | | SW | | SW | | | | |
| 15 | 9 | | 8 | | 0 | | S | | W | | NW | | | | |
| 16 | 0 | | 9 | | 10 | | NW | | | | SE | | | Rain from midnight. .25 Aurora Borealis | |
| 17 | 3 | | 3 | | 0 | | W | | NW | | W | | | | |
| 18 | 0 | | 1 | | 9 | | W | | W | | SW | | | | |
| 19 | 2 | | 3 | | 8 | | SW | | SW | | SW | | | | |
| 20 | 3 | | 9 | | 9 | | NW | | NE | | NE | | | | |
| 21 | 9 | | 9 | | 9 | | NE | | NW | | N | | | | |
| 22 | 9 | | | | 10 | | NE | | NE | | NE | | | Snow from 7 A.M. 5 inches. Aurora Borealis | |
| 23 | 0 | | 0 | | 0 | | NW | | NW | | NW | | | Snow thro' day. 3 inches Rain .23 | |
| 24 | 8 | | 10 | | 9 | | NW | | NW | | NE | | | | |
| 25 | 9 | | 9 | | 8 | | NE | | N | | NW | | | | |
| 26 | 9 | | 1 | | 0 | | NW | | NW | | NW | | | | |
| 27 | 8 | | 10 | | 10 | | NW | | NW | | NW | | | | |
| 28 | 9 | | 0 | | 0 | | NW | | NW | | NW | | | Snow 11 inches Snow thro' day and night .6 | |
| 29 | 10 | | 10 | | 10 | | NW | | NW | | NW | | | | |
| 30 | 10 | | 10 | | 0 | | N | | N | | N | | | | |
| 31 | 9 | | 10 | | 0 | | N | | N | | N | | | | |

Winds N8; NE12; SE12; S4; SW15; W7; NW33. Copied by H. S. M. May 11, 1928. See note on page 491.

72
91
45
87
25
5
3
23
11
6
494