

METEOROLOGICAL OBSERVATIONS.

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

Mean - therm. 52.2 73.8 57.5 - Cloudiness, 3.5 4.2 4.2 - Barom. & Therm. 59.9 62.5 70.5 60.8 67.2 - Rain 6 inches.
Mean temperature of June 61.5°
at sunrise 54.6 53.2 54.6 58.3 50.8 55.2 54.1° 50.9 52.2
at 1 1/2 P.M. 69.7 72.4 69.8 73.7 65.6 70.1 73.4 73.0 73.8
at 9 1/2 P.M. 60.3 58.1 61.6 64.8 57.4 61.1 65.1 55.1 59.5
Maximum temperature 85 89 83 92 78 88 88 86 93
Minimum " 40 41 42 48 42 39 40 28 38
Mean Pressure of Atmos. 29.530 29.500 29.485 29.575 29.525 29.615 29.589 29.636 29.600
Maximum " 30.03 29.67 29.75 29.83 29.80 29.95 29.87 30.12 29.94
Minimum " 29.03 29.24 29.10 29.16 29.28 29.10 29.27 29.25 29.17

DARTMOUTH COLLEGE,

June 1843

19

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

15. Average Cloudiness 1835 1836 1837 1838 1839 1840 1841 1842 1843
Fair days 12 7 7 12 7 6 6 8 14
Cloudy days 10 14 7 5 10 7 8 8 7
Variable days 8 9 16 13 13 17 16 14 9
Rain 4.90 3.06 3.89 7.22 5.42 3.29 2.54 2.90 6.00

The first half of the month was remarkably cold and wet, while the latter half was as remarkably fine and warm. For the first 16 days the average temperature was 56.1° and the amount of rain more than 5 inches, while the average temperature of the last 14 days was 68.4°, giving the extraordinary difference of 12.3°. Still greater was the difference of the average of the noon observations, for the two portions, it being more than 18°.

METEOROLOGICAL OBSERVATIONS.

Table with columns: DATE, Barometer reduced to 32° F. and attached Thermometer, THERMOMETER (Sunrise, 1:30 P.M., 9:30 P.M., Mean, Max, Min), and HYGROMETER (7, 2, 9). Rows 1-31 contain daily observations.

Mean therm. 54.9 77.4 60.9 - Cloudiness 2.3 3.4 2.8 - therm. + barom. 64.3 64.4 62.7 72.2 62.0 68.7 - rain 2.76.
1835 1836 1837 1838 1839 1840 1841 1842 1843
mean temperature of July 67.7 68.5 63.5 69.5 67.7 68.6 66.4 66.3 64.4
" " at sunrise 60.0 62.3 55.6 62.0 61.2 61.0 59.3 58.6 54.9
" " " 1/2 P.M. 74.3 76.2 72.1 77.8 75.6 77.5 74.8 79.4 77.4
" " " 9/2 P.M. 68.9 67.1 62.8 68.6 66.4 67.2 65.2 61.0 60.9
Maximum temperature 85 92 89 90 86 92 87 90 96
Minimum " 45 48 48 50 45 48 48 46 43
Mean Pressure 29.605 29.598 29.534 29.622 29.609 29.722 29.640 29.708 29.630
Maximum 29.80 29.86 29.87 29.91 29.89 30.00 29.98 29.94 30.08
Minimum 29.23 29.26 29.26 29.27 29.32 29.32 29.32 29.31

DARTMOUTH COLLEGE,

July 1843

Table with columns: DATE, CLOUDS (Kind, Amt, 1:30 P.M., 9:30 P.M.), WIND (Dir, Amt, 1:30 P.M., 9:30 P.M.), RAIN (Dir, Amt), PRECIPITATION (Snow, Rain), and REMARKS. Rows 1-31 contain daily observations.

Average Cloudiness 1835 1836 1837 1838 1839 1840 1841 1842 1843 Copied from N.Y. Chronicle by H.S.M. March 14-15, 1928.
Fair days 13 13 13 12 9 13 12 11 14
Cloudy days 7 5 3 7 6 5 7 6 1
Rain 2.97 2.17 4.33 1.78 4.29 3.05 2.62 4.74 2.76
The storm which occurred on Sunday, the 2d, was remarkable, from the fact, that similar storms occurred on the same day, throughout an immense region - from the Gulf of Mexico to the St. Lawrence.

METEOROLOGICAL OBSERVATIONS.

DARTMOUTH COLLEGE,

August 1843

DATE.	Barometer reduced to 32° F. and attached Thermometer.			THERMOMETER.			HYGROMETER.			
	Sunrise	1:30 P.M.	9:30 P.M.	Mean.	Max.	Min.	7	2	9	W. B.
1	29.7165	29.6974	29.6668	55	81	64				
2	.6763	.7074	.7770	53	80	68				
3	.8365	.8471	.9067	48	79	62				
4	30.0062	30.0072	30.0668	49	83	68				
5	30.1062	30.0874	30.0270	54	82	66				
6	29.9066	29.8768	29.8466	60	69	63				
7	.7965	.7370	.6873	61	81	71				
8	.6871	.6872	.8068	68	80	68				
9	.9066	.9073	.9073	65	81	67				
10	.8070	.8073	.6572	63	83	69				
11	.6071	.5072	.5570	65	69	63				
12	.5567	.6073	.6070	65	86	64				
13	.6067	.6569	.6570	59	85	69 or 60*				
14	.6568	.5073	.40738*	56	86	72				
15	.2571	.3073	.6070	64	77	69? or 60*				
16	.6566	.6574	.6569	51	80	58				
17	.6566	.5571	.6073	51	88	72				
18	.6570	.6573	.6571	65	83	67				
19	.7071	.7571	.7371	64	74	68				
20	.7069	.6270	.7269	63	73	64				
21	.8266	.8776	.9374	59	62	61? or 64*				
22	.8768	.8070	.7574	61	65	65				
23	.6868	.6872	.6874	63	85	68				
24	.6970	.7275	.7569	64	78	60				
25	.8467	.8275	.8270	60	80	62				
26	.8065	.7675	.7872	55	83	64				
27	.8068	.7975	.7971	63	86	66				
28	.7870	.7873	.8571	65	84	66				
29	.9270	.9273	.8770	59	78	64				
30	.7870	.7275	.7070	62	82	64				
31	.6968	.6572	.7572	60	83	69				

The observations of the Barometer, from the third observation on the month, to the second observation on the 19th, inclusive, are not to be depended upon, within .05 as they were made by an assistant who did not then understand the mode of reading off the indications of the instrument.

The amount of rain for the month, is much greater than that of any previous month since the Register was commenced; and the rain, in the storm of the 21st and 22nd (4.89 inches), was nearly double that of any previous single storm on record. The only storm, in which the fall of rain was more than 1 inch, which have occurred since the commencement of the Register in 1835, are the following:—Jan. 24th and 25th, 1836, snow storm equal to 2.30 inches of rain;—Feb. 24th, 25th and 26th, 1836, 2.60 rain; May from 20th to 25th, inclusive, 1836, 2.90; July 24th and 25th, 1837, 2.23; Sept. 12th and 13th, 1838, 2.30; Sept. 18th and 19th, 1840, 3.30;—Nov. 8th and 9th, 1840, 2.30; Jan. 6th and 7th, 1841, 2.91; Sept. 24th and 25th, 1841, 2.51;—July 30th and 31st, 1842, 2.17;—Aug. 21st and 22nd, 1843, 4.89.

	1843	1842	1841	1840	1839	1838	1837	1836	1835
Mean Temperature of August	64.7	64.7	67.3	68.2	64.3	64.3	62.9	61.1	62.6
" " at Sunrise	63.1	57.5	59.3	61.8	57.4	57.4	56.2	52.8	56.9
" " " 1 1/2 P.M.	79.9	75.7	75.9	75.8	72.8	72.2	70.5	69.6	71.2
Maximum " temperature	65.1	60.9	66.8	67.1	62.6	63.7	62.0	60.7	59.7
Minimum " "	88	83	86	86	85	86	85	87	83
Mean Pressure	53	45	44	52	42	48	40	40	41
Maximum " "	29.731	29.770	29.775	29.675	29.677	29.699	29.62	29.62	29.64
Minimum " "	30.109	30.09	30.00	30.13	29.94	30.02	30.05	29.88	29.80
Minimum " "	29.25	29.43	29.64	29.41	29.23	29.22	29.25	29.31	29.53

DATE.	CLOUDS.				WIND.				PRECIPITATION.		REMARKS.
	Kind	Am't	Kind	Am't	Dir.	Am't	Dir.	Am't	Snow.	Rain.	
1	F		2	6	W		SW				
2	2		3	1	W		NW				
3	0		4	0	NW		NE				
4	3		2	0	N		NW				
5	2		3	9	NW		E				
6	10		10	9	SE		SE			.32	Rainy night, 32.
7	9		7	9	SE		SE			.12	Rain during the forenoon. Slight rain from 11 a.m.
8	9		9	8	S		SW				
9	4		2	4	SW		SW				
10	10		5	10	SE		W				
11	10		9	10	SE		NW			1.65	Rain from 9 a.m. through the night to 7 a.m., .55, and through the night 1.10.
12	9		4	4	NW		NW				
13	4		2	4	N		NW				
14	3		2	9	NW		SE			.38	Rainy night.
15	4		8	2	S		W				
16	3		2	2	NW		SW				
17	2		1	4	SW		SW				
18	9		7	10	SW		SE			.35	Rainy night.
19	10		10	10	W		W			.23	Rainy.
20	9		9	9	NW		NW				
21	10		10	10	NW		NW			1.75	Rain from midnight through the day and night, and through the day to midnight.
22	10		10	10	NW		NW			3.17	
23	9		6	0	NW		NW				
24	5		6	0	NW		NW				
25	F		0	0	NW		NW				
26	F		2	1	NW		SW				
27	F		4	7	SW		SW				
28	8		6	0	SW		NE				Rain from 6 to 11 a.m.
29	F		0	0	NE		N				
30	2		1	3	NW		W				
31	6		4	8	NW		NE				Therm. 83° at 12 1/2. Rain in night.

	1843	1842	1841	1840	1839	1838	1837	1836	1835
Average Cloudiness	.51	.39	.31	.37	.35	.32	.42	.43	
Fair days	7	10	18	11	11	15	7	11	15
Cloudy days	13	9	9	7	8	7	6	6	8
Rain	9.00	6.45	2.26	2.33	2.03	4.19	3.14	1.92	3.86

Copied from VT Chronicle by U.S.M. March 15-16, 1928

METEOROLOGICAL OBSERVATIONS.

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

Summary table for years 1843-1835. Rows include Mean temperature of Sept., at sunrise, at 1 1/2 P.M., at 9 1/2 P.M., Maximum temperature, Minimum, Mean Pressure, Maximum, and Minimum.

DARTMOUTH COLLEGE,

September 1843

Table with columns for DATE, CLOUDS (Kind, Amt), WIND (Dir, Amt), PRECIPITATION (Snow, Rain), and REMARKS. Rows 1-31 contain daily observations.

Summary table for years 1843-1835. Rows include Average Cloudiness, Fair days, Cloudy days, and Rain.

Copied from the Vt. Chronicle by H.S.M. March 19, 1928

METEOROLOGICAL OBSERVATIONS.

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

Summary table for October with rows for Mean temperature at Oct., at sunrise, 1 1/2 P.M., 9 1/2 P.M., Maximum temperature, Minimum, Mean Pressure, Maximum, and Minimum.

DARTMOUTH COLLEGE, October 1843

Table with columns for DATE, CLOUDS (Kind, Amt.), WIND (Dir., Amt.), PRECIPITATION (Snow, Rain), and REMARKS. Rows 1-31 contain daily observations with weather details.

Summary table for October with rows for Average Cloudiness, Fair days, Cloudy days, Rain and melted snow, and Snow.

Copied from Nt. Chronicle by G.S.M. March 20, 1928.

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 D. B.	7 W. B.	9 D. B.	9 W. B.
1	30.17 44°	30.06 46°	29.93 43°	17	40	35							
2	29.60 44	29.41 68	.36 54	35	47	38							
3	.38 48	.53 61	.66 53	36	39	31							
4	.72 44	.77 57	.84 47	28	32	26							
5	.85 41	.85 49	.88 43	23	30	22							
6	.89 39	.90 65	.85 55	24	33	18							
7	.72 44	.63 63	.54 54	21	35	27							
8	.50 46	.59 64	.69 61	22	34	23							
9	.77 46	.83 66	.78 55	23	34	24							
10	.68 45	.60 53	.60 47	22	39	32							
11	.53 44	.34 50	.12 45	31	39	34							
12	.30 43	.50 45	.67 42	31	32	26							
13	.68 39	.62 41	.60 40	16	37	25							
14	.77 38	.93 57	30.07 52	24	36	25							
15	30.09 40	30.02 45	29.95 42	9	40	30							
16	29.89 41	29.79 44	.87 57	32	43	35							
17	.88 49	.93 67	.76 54	34	44	35							
18	.53 49	.46 52	.53 58	37	46	42							
19	.59 51	.63 56	.68 50	38	47	35							
20	.78 46	.85 56	.86 55	26	42	22							
21	.60 47	.28 60	.11 49	34	38	34							
22	.10 46	.16 48	.33 46	33	41	37							
23	.50 44	.59 66	.59 53	35	43	34							
24	.42 48	.37 71	.54 57	36	47	38							
25	.63 49	.70 52	.76 47	31	39	23							
26	.69 40	.50 42	.45 44	20	39	32							
27	.67 37	.72 40	.74 36	18	25	10							
28	.63 31	.55 46	.45 41	8	35	23							
29	.40 37	.45 62	.60 51	21	33	24							
30	.84 38	30.00 60	30.10 58	7	16	9							

	1843	1842	1841	1840	1839	1838	1837	1836	1835
Mean temperature of Nov.	30.5	32.73	33.51	33.03	31.7	29.8	32.27	30.96	31.0
" " at Sun. rise	25.7	27.2	31.23	28.5	28.2	24.7	26.9	25.7	28.7
" " 1 1/2 P.M.	37.5	37.9	37.73	40.5	37.4	35.9	39.1	37.5	34.4
" " 9 1/2 P.M.	28.3	30.1	31.56	30.1	29.6	27.3	30.8	29.7	29.9
Maximum temperature	47.	53	67.	47.	57.	57.	69	63	62.0
Minimum temp.	7.	10	16	16.0	10	-2	-7	13	-9
Mean Pressure	29.659	29.627	29.538	29.607	29.642	29.683	29.577	29.575	29.548
Maximum "	30.17	30.12	30.17	30.06	30.28	30.51	30.10	30.15	29.84
Minimum "	29.10	28.77	28.98	29.27	28.96	29.05	28.45	29.02	29.30

DATE.	CLOUDS.				WIND.				PRECIPITATION.		REMARKS.
	Kind.	Am't.	Kind.	Am't.	Dir.	Am't.	Dir.	Am't.	Snow.	Rain.	
1	0	9	8		NW	W	SW				
2	10	2	7		SE	SW	NW			.87	Rain from 4 to 11 A.M.
3	9	4	7		W	NW	NW				Snow squalls from 7 to 9 A.M.
4	8	9	9		NW	NW	NW				
5	5	0	0		NW	NW	NW				
6	8	1	0		NW	NW	NW				
7	7	6	10		NW	NW	NW				Snow from 7 P.M. 1 1/2.
8	6	5	4		NW	NW	NW				
9	0	3	3		NW	NW	NW				
10	5	10	10		SE	SE	SE				Snow from 9 A.M. to 8 P.M. 5 inches.
11	9	8	10		SE	SE	SE			1.60	Snow from 2 1/2 to 10 P.M. with rain (Snow 6 inches.)
12	1	5	8		NW	NW	NW				Snow squalls from 3 1/2 P.M. 1 inch.
13	2	8	10		NW	NW	NW			.40	Snow from 6 A.M. 3 inches
14	8	8	9		NW	NW	NW				
15	3	4	7		SW	SW	SW				
16	10	8	F		NW	SW	SW			1.60	Snow from 4 to 9 A.M. 6 inches
17	F	F	F		SW	SW	SW			.50	Rain from 8 P.M. Dense fog until noon.
18	F	2	8		SW	SW	SW				
19	9	2	9		W	NW	NW				
20	8	2	0		NW	NW	NW				
21	9	10	10		SE	SE	SW			.58	Snow and rain from 7 A.M. through the day
22	7	8	8		SW	W	NW				
23	8	2	9		SW	NW	NW				
24	10	9	F		SE	SE	SW			.20	Rain from 5 A.M.
25	0	8	0		NW	NW	NW				
26	8	8	10		NW	SW	NW			.10	Snow from 6 1/2 P.M. 1 inch.
27	8	8	0		NW	NW	NW				
28	0	0	1		SW	SW	SW				
29	8	8	8		NW	W	NW				
30	0	0	2		N	NW	NW				Halo around the moon.

	1843	1842	1841	1840	1839	1838	1837	1836	1835
Average Cloudiness,	.54	.49	.59	.52	.52	.46	.52	.56	
Clear days,	3	7	3	5	2	7	5	7	5
Cloudy days,	13	12	16	13	13	8	11	13	7
Rain and melted snow,	4.85	4.85	2.54	4.20	2.47	3.90	2.69	2.64	2.21
Snow,	24	26	12	10	5	5.5	9	7	10

Copied from N.H. Chronicle by G. J. M. March 21, 1928.

METEOROLOGICAL OBSERVATIONS.

Table with columns: DATE, Barometer reduced to 32° F. and attached Thermometer, THERMOMETER (Sunrise, 1:30 P.M., 4:30 P.M., Mean, Max., Min.), and HYGROMETER (D.B., W.B.).

Summary table for Dec. 1844-1849 with rows for Mean temperature of Dec., at sunrise, at 1 1/2 P.M., at 9 1/2 P.M., Maximum temperature, and Minimum temperature.

DARTMOUTH COLLEGE, December 1843

Table with columns: DATE, CLOUDS (Kind, Amt), WIND (Dir, Amt), PRECIPITATION (Snow, Rain), and REMARKS.

Summary table for Average Cloudiness, Clear days, Cloudy days, Rain and melted snow, Snow, and Snow at or below zero for years 1844-1849.

Copied from N.H. Chronicle by G. J. M. March 22, 1928.