

VIII. *A Meteorological Journal for the Year 1782, kept at Minehead, in Somersethire. By Mr. John Atkins; communicated by Sir Joseph Banks, Bart. P. R. S.*

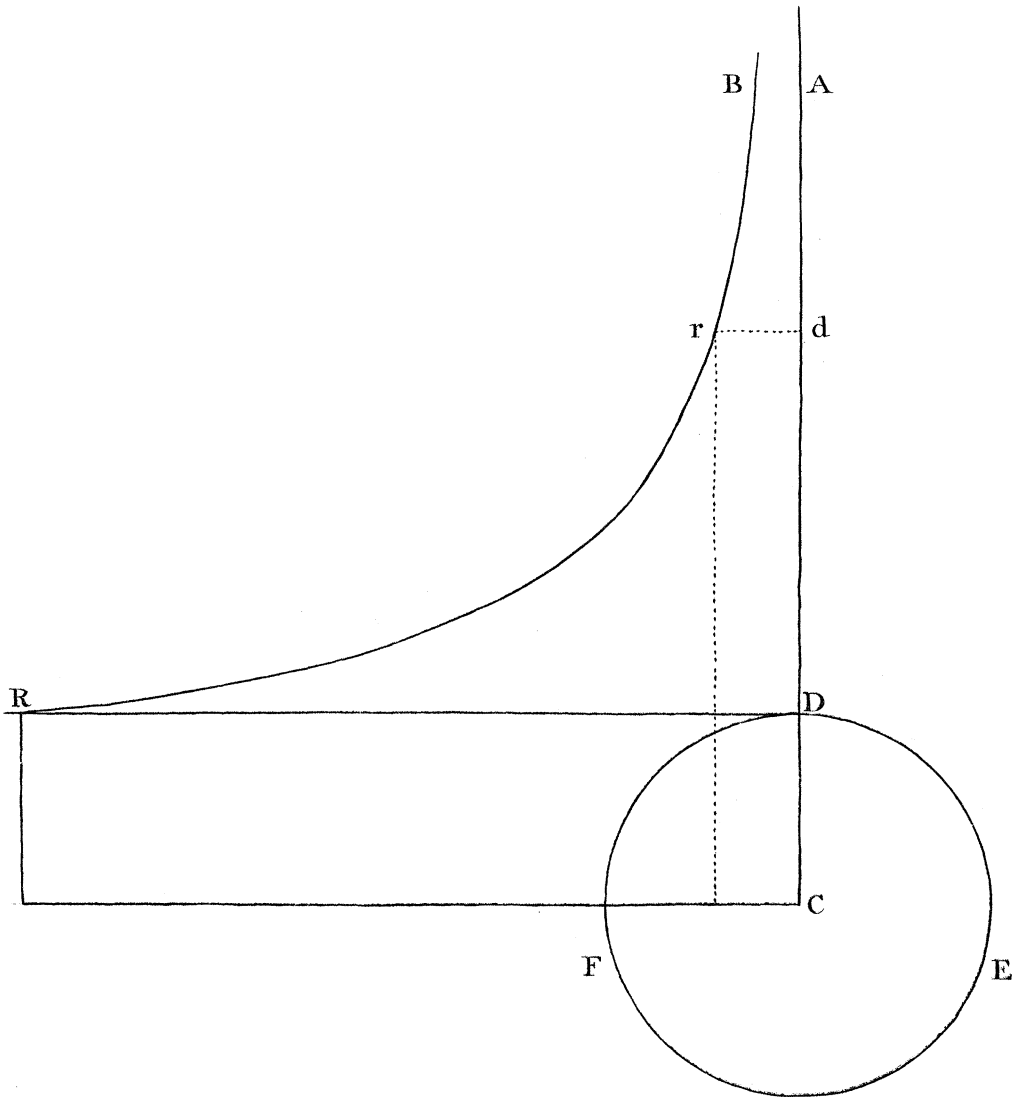
Read January 15, 1784.

S I R,

Minehead, March 27, 1783.

THE numberless philosophical discoveries and meteorological journals which I find have been addressed to you, as being a gentleman whose great abilities have raised you to the highest pitch of grandeur in the philosophical world, and which, I find, have been treated with the greatest candour and respect, and published under your direction for the improvement of scientific knowledge, make me presume (though an unknown, and even unheard of, individual) to direct this journal to you, not boasting, but rather doubting, of its being worthy of your reception; but my having found so great a difference between the last year and several preceding years, in the variations of the atmosphere, both barometrical and thermometrical, induced me to communicate it to other observers through your approbation.

I am, &c.



THE instruments are kept at a house about thirty feet above high water in the Bristol Channel. The barometer is made after DE LUC's method; and to observe the most minute alteration I have divided it into the one-sixteenth of a line, or 192 parts in an inch. The thermometer is a mercurial one, graduated according to FAHRENHEIT's scale, as being the most universal, though, I think, a partial one, and placed in the open air in a northern aspect. An hygrometer I have likewise kept in the open air; but being an instrument that does not admit of, as I ever heard of, a certain basis, whereon to fix the fundamental point between the greatest moisture and greatest drought, and therefore of little use to distant observers, I have omitted these observations. For the ease of correspondent observers, I have drawn two columns of the barometer; the first divided into 192d parts of an inch; the second into 100th parts. The figures in the column of winds denote its strength from 0 to 90 degrees of a quadrant. And the most prevailing winds are from north to west, being generally in those directions two-thirds of the year, occasioned, as I imagine, by the indraught of the Bristol Channel. The barometer this year has taken a greater range than ever I found these several years, being 2.44 inches. The thermometer likewise from 21° to 81° ; and the three rainy months of October, November, and December, there fell very little more rain than fell in the month of August alone, which is very uncommon in this part of the kingdom. On the ninth of February an odd phænomenon appeared to me about 10 miles from hence, on my journey to Tiverton. I observed an halo, exactly similar to that of the sun, the center of the arch about 15° high, and both ends terminated in a field of snow; but as rainbows are seen only with the sun behind one's back, this, on the contrary, was between me and the sun.

January 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	8	Hard rain.	SW 25		29.96	29.50	50	
	12				29.100	29.52	52	
	9		W 20		29.104	29.54	50	0.55
2	8	Rain.	W 30		29.16	29.9	48	
	12				29.120	29.63	50	
	9				29.128	29.67	50	0.16
3	8	Fair. Some showers.	WNW 35		29.120	29.63	48	
	12				29.140	29.73	50	
	9				29.152	29.79	48	
4	8	Foggy, rain.	WNW 10		29.160	29.84	50	
	12				29.140	29.73	54	
	9				29.128	29.67	49	0.17
5	8	Showers.	WNW 27		29.132	29.69	50	
	12				29.150	29.78	51	
	9				29.170	29.89	50	0.25
6	8	Fair. Cloudy.	WNW 22		29.184	29.94	46	
	12				30. 0	30. 0	50	
	9				30. 0	30. 0	49	
7	8	Hard showers.	NW 40		29.112	29.59	45	
	12				29.120	29.63	50	
	9	Stormy, hail showers.	70		29.128	29.67	42	
8	8	Fair. Showers.	WSW 20		29.158	29.83	44	
	12				29.150	29.78	50	
	9				29.128	29.67	48	0.50
9	8	Rain.	S 40		29. 0	29. 0	50	
	12		WNW 50		28.168	28.88	40	
	9	Very stormy.	NW 80		29. 40	29.21	38	

January 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
10	8	Very stormy.	NW by W 80		29.128	29.67	37	
	12				29.180	29.94	40	0.49
	9	Freezing hard.			30. 48	30.25	35	
11	8	Hard frost and fair.	NW 0		30. 48	30.25	29	
	12				30. 48	30.25	32	
	9				30. 48	30.25	35	
12	8	Foggy rain.	NW 10		30. 40	30.21	45	
	11				30. 40	30.21	48	
	9				30. 64	30.33	49	
13	8	Cloudy.	WNW 0		30. 70	30.37	47	
	12	Foggy rain.			30. 70	30.37	51	
	9				30. 67	30.35	50	
14	8	Fair.	S by W 15		30. 56	30.29	45	
	12				30. 40	30.21	50	
	9				30. 24	30.13	41	
15	8	Frosty, but foggy.	NNW 35		30. 20	30.11	40	
	12				30. 28	30.15	44	
	9				30. 16	30. 9	44	
16	8	Small rain.	WNW 10		29.128	29.67	47	
	12				29.106	29.55	50	
	9	Stormy, hail showers.	NW 75		29. 80	29.42	42	
17	8	Stormy, but dry.	NW 70		29. 88	29.46	39	
	12				29. 96	29.50	43	
	9				29.112	29.59	45	
18	8	Fair.	SW 20		29.118	29.61	48	
	12	Some small rain.			29.126	29.66	48	
	9				29.144	29.75	45	

January

January 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain.
					Inches.	Inches.		Inch.
19	8	Cloudy.	WNW 15		29.140	29.73	45	
	12	Fair and mild.			29.140	29.73	51	
	9	Some showers.			29.130	29.68	46	
20	8	Very hard rain.	W 60		29. 90	29.47	50	0.66
	12				29. 80	29.42	52	
	9				29. 86	29.45	48	
21	8	Frost.	WNW 10		29.140	29.73	38	
	12	Some rain, but snow on the hills.			29.168	29.88	45	
	9				30. 0	30. 0	48	
22	8	Flying clouds, with some showers.	W 60		29.180	29.94	51	
	12				29.180	29.94	51	
	9	Cloudy and mild.			29.180	29.94	50	
23	8	Fair and mild.	W 60		29.184	29.96	50	
	12				29.180	29.94	51	
	9				29.176	29.92	50	
24	8	{ Fair, with hard winds, but very mild.	W 70		29.120	29.63	50	
	12				29.112	29.59	55	
	9	Calm, with rain.	NW 10		29.116	29.61	49	
25	8	Stormy, hail showers.	NW 75		29.120	29.63	36	
	12				29.130	29.68	39	
	9	Rain.	WNW 60		29.100	29.52	44	
26	8	Fair.	NW 60		29.116	29.61	39	
	12	Hail showers.			29.110	29.57	41	
	9	Stormy, hard rain.	70		29.100	29.52	40	
27	8	Stormy, hail and rain.	N by W 60		29. 48	29.25	38	0.93
	12				29. 40	29.21	42	
	9		75		29. 48	29.25	40	

January

January 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Therm.	Rain.
					Inches.	Inches.	°	Inch.
28	8	Stormy, showers.	NW by W 80		29.32	29.17	40	
	12				29.16	29.9	45	
	9	Calmer, with hail in the night.	20		29.16	29.9	40	0.23
29	8	Fair and cold.	W 20		28.176	28.92	33	
	12	Fair.	NW		28.160	28.84	41	
	5		SW		28.154	28.81		
	9	Cloudy.	NE	SW	29.0	29.0	37	
30	8	{ Cloudy, but snow on the distant hills.	NE 20		29.64	29.34	37	
	12	Fair.			29.112	29.59	40	
	9	Freezing hard.			29.168	29.88	35	
31	8	Frost.	NE 15		30.16	30.9	33	
	12				30.16	30.9	37	
	9				30.16	30.9	32	
Total rain								3.94

February 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain.
					Inches.	Inches.		Inch.
1	7	Very hard frost.	W 0		30. 0	30. 0	27	
	12	Fair.	SW 20		29.180	29.94	34	
	9	Sleet.			29.160	29.84	37	
2	7	Rain.	SW 30		29.130	29.68	40	
	12				29.120	29.63	42	
	9	Fair.			29.112	29.59	38	
3	7	Frost.	S by E 20	SW	29. 96	29.50	35	
	12	Sleet.	SW		29. 84	29.44	37	
	9				29. 80	29.42	37	
4	7	Fair.	W 0		29. 80	29.42	37	
	12				29. 88	29.46	38	
	9	Snow on the hills.	NE 20		29. 60	29.31	37	
5	7	Cloudy day.	NE 40		29. 12	29. 6	33	0.63
	12				29. 20	29.11	35	
	9				29. 96	29.50	35	
6	7	Fair, frost.	NE 20		29.140	29.73	35	
	12				29.160	29.84	37	
	9		W 0		29.168	29.88	37	
7	7	Fair, hard frost.	W 0	ENE	29.170	29.89	29	
	12				29.172	29.90	35	
	9		NE 10		29.180	29.94	35	
8	7	Fair, frost.	NE 0		29.180	29.94	34	
	12				29.180	29.94	37	
	9				29.186	29.97	33	
9	7	{ Fair, very hard frost; an extraordinary halo.	NE 10		29.182	29.95	27	
	12	Cloudy.			29.180	29.94	33	
	9				29.180	29.94	33	

February

February 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.		Inch.
10	7	Cloudy, hard frost.	NE 15		29.180	29.94	29	
	12	Fair.			29.180	29.94	35	
	9				29.180	29.94	35	
11	7	Fair, hard frost.	ENE 20		29.184	29.96	30	
	12				29.168	29.88	35	
	9	Cloudy.			29.160	29.84	34	
12	7	Cloudy, hard frost.	E 50		29.170	29.89	31	
	12	Fair.			29.186	29.97	33	
	9	Cloudy.			30. 0	30. 0	29	
13	7	Fair, very hard frost.	WNW 10 NW N	NE NNE	30. 4	30. 2	27	
	12	Cloudy.			29.184	29.96	38	
	9				29.184	29.96	36	
14	7	Cloudy, frost.	E 20		29.176	29.92	36	
	12	Thawing.			29.180	29.94	40	
	9				29.184	29.94	37	
15	7	Cloudy.	E 10		29.184	29.96	37	
	12	Sleet.			30. 0	30. 0	38	
	9	Fair, freezing.			30. 30	30.16	32	
16	7	Excessive frost.	E 30		30. 40	30.21	24	
	12	Fair.			30. 40	30.21	28	
	9	Cloudy.			30. 40	30.21	30	
17	7	Cloudy and thawing.	ENE 15		30. 50	30.26	34	
	12				30. 50	30.26	36	
	9	Fair, freezing.			30. 50	30.26	32	
18	7	Fair, excessive frost.	W 5 S SE	E	3. 64	30.33	21	
	12	Much milder.			30. 64	30.33	37	
	9	Cloudy.			30. 60	30.31	37	

February 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
19	7	Cloudy, a little frost.	E 10		30. 60	30.31	35	
	12				30. 57	30.30	37	
	9				30. 48	30.25	37	
20	7	Cloudy.	W 10		30. 40	30.21	34	
	12				30. 40	30.21	39	
	9		WNW		29.180	29.94	37	
21	7	Fair.	S by W 0		29.160	29.84	37	
	12				29.144	29.75	41	
	9	Rain.			29. 32	29.17	40	
22	7	Fair.	W 30		29. 48	29.25	41	
	12				29. 40	29.21	44	
	9	Cloudy.			29. 32	29.17	40	
23	7	Hard rain and wind.	S 80		29. 0	29. 0	46	
	12				28.168	28.88	49	
	9		WNW 40		28.160	28.84	46	
24	7	Fair.	WNW 30		29. 30	29.16	45	0.67
	12				29.100	29.52	47	
	9	Rain in the night.			29.168	29.88	40	
25	7	Fair.	W by N 35		29.172	29.90	45	
	12				30. 12	30. 6	48	
	9				30. 0	30. 0	47	
26	7	Small showers.	W 75		29.186	29.97	48	0.24
	12	Fair and mild.			30. 0	30. 0	61	
	9				30. 0	30. 0	57	
27	7	Cloudy.	S 5		29.180	29.94	50	
	12				29.180	29.94	52	
	9	Fair.			29.184	29.96	45	

February

February 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
28	7	Fair.	W 25		30. 40	30.21	45	
	12				30. 48	30.25	48	
	9				30. 32	30.17	44	
Total rain								1.54

March 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain. Inch.
					Inches.	Inches.		
1	6	Fair.	W 10		30. 0	30. 0	42	
	12				29.186	29.97	45	
	9		40		29.174	29.91	40	
2	6	Fair.	WNW 15		29.170	29.89	38	
	12				29.176	29.92	48	
	9	Cloudy.	NW		29.180	29.94	40	
3	6	Fair, white frost.	NW 0		29.186	29.97	39	
	12				30. 0	30. 0	47	
	9		20		30. 16	30. 9	40	
4	6	Hard frost.	W 0		30. 30	30.16	32	
	12				30. 16	30. 9	37	
	9		20		30. 16	30. 9	37	
5	6	Little frost.	WSW 30		29.178	29.93	38	
	12				29.170	29.89	45	
	9				29.172	29.90	40	
6	6	Fair.	WNW 10		29.168	29.88	40	
	12				29.168	29.88	50	
	9				29.164	29.86	47	
7	6	Fair.	W 20		29.158	29.83	40	
	12				29.150	29.78	44	
	9	Showers.	75		29.144	29.75	48	
8	6	Sleet, but snow on the hills.	SSW 70		29.144	29.75	39	
	12		50		29. 32	29.17	40	
	9	} Very great storm of wind and rain.	WNW		28.112	28.59		
	10		90		28.120	28.63	37	
9	6	Fair.	WbyN 40		29. 48	29.25	39	0.82
	12	Showers.			29. 60	29.31	45	
	9				29.132	29.69	42	

March 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain. Inch.
					Inches.	Inches		
10	6	Showery day.	SE 20		29.144	29.75	43	
	12		SW 25		29.140	29.73	50	
	9		W		29.140	29.73	48	
11	6	Fair.	W 20		29.138	29.72	45	
	12		40		29.96	29.50	53	
	9	Very stormy.	85		29.48	29.25	48	
12	6	Stormy.	NW 75		29.92	29.48	42	
	12	Hail showers.			29.140	29.73	45	
	9	Fair.	80		29.184	29.96	39	
13	6	Fair and frost.	NE 20	W	30.12	30.6	34	
	12				30.20	30.11	46	
	9		WSW 15		30.10	30.5	40	
14	6	Cloudy, frost.	ENE 20		30.8	30.4	34	
	12	Fair.			30.16	30.9	44	
	9				30.16	30.9	37	
15	6	Fair, frost.	WNW 25		30.24	30.13	33	
	12				30.26	30.14	40	
	9	Cloudy.			30.20	30.11	40	
16	6	Fair.	NNE 30		30.17	30.9	39	
	12				30.17	30.9	41	
	9		W		30.10	30.5	40	
17	6	Cloudy.	NNW 35		30.0	30.0	38	0.10
	12	Fair.			29.188	29.98	45	
	9				29.190	29.99	40	
18	6	Hazy.	WNW 10		30.0	30.0	37	
	12	Somewhat fair.			29.186	29.97	45	
	9	Cloudy.			29.180	29.94	41	

March

March 1782

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °.	Rain. Inch.
19	6 12 9	Cloudy. Some small rain.	W 25		Inches. 29.150 29.136 29.120	Inches. 29.79 29.71 29.63	45 50 42	
20	6 12 9	Hazy. Fair.	SW 15		29.140 29.152 29.144	29.73 29.80 29.75	39 45 41	
21	6 12 9	{ Sleet, but snow on the distant hills.	SE 45		29.128 29.96 29.40	29.67 29.50 29.21	37 35 35	0.40
22	6 12 9	Ditto.	E 60 ENE		28.160 28.170 29.0	28.84 28.89 29.0	33 34 32	0.50
23	6 12 9	Excessive frost, with a little snow here, but five or six feet deep in the country.	E 10 N NW 30		29.20 29.32 29.88	29.11 29.17 29.46	27 35 37	
24	6 12 9	Some showers.	NW 50		29.100 29.90 29.100	29.52 29.47 29.52	40 43 40	0.33
25	6 12 9	Cloudy. Fair.	W 30		29.108 29.112 29.128	29.57 29.59 29.67	40 47 39	
26	6 12 9	Showery.	WNW 25		29.144 29.140 29.140	29.75 29.73 29.73	45 50 48	
27	6 12 9	Showery. Hard rain all night.	W 32 SW 50		29.128 29.120 29.88	29.67 29.63 29.46	48 51 48	0.17

March

March 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch
28	6	Hard rain.	SSW 50		29. 32	29.17	51	
	12	Fair and mild.	30		29. 90	29.47	55	
	9	Cloudy.			29. 72	29.37	50	1.25
29	6	Hard rain.	WSW 60		29. 48	29.25	47	
	12	Fair.			29. 60	29.31	50	
	9				29. 78	29.41	49	
30	6	Fair.	WNW 50		29. 32	29.17	48	
	12				29. 64	29.34	55	
	9		NW		29. 92	29.48	50	
31	6	Very stormy.	W 60		29. 38	29.20	47	
	12	Showers.			29. 56	29.29	50	
	9		80		29. 46	29.24	46	0.34
Total rain								3.91

April

April 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Therm.	Rain.
					Inches.	Inches.		Inch.
1	6	Hard rain showers; the bar. fell till 8 in the evening: after which it rose 1 line by 10; after which the wind rose to a great storm, but no rain.	SE 60		29. 0	29. 0	42	
	12		SSW 50		28.116	28.61		
	8		W 30		28. 96	28.50	50	
	9				28. 44	28.23		
	10		WNW		28. 60	28.31	43	
2	6		NW 90		28.140	28.73	40	
	12				28.156	28.82	41	
	9		70		28.172	28.90	40	0.33
3	6	Some showers.	NW 50		29. 0	29. 0	38	
	12	Fair.			29. 16	29. 9	45	
	9				29. 48	29.25	37	
4	6	Cloudy.	WNW 40		29. 76	29.40	40	
	12	Fair.			29. 80	29.46	45	
	9		10		29. 75	29.39	38	
5	6	Hard hail showers.	E 40		29. 60	29.31	41	
	12	Fair.	NW 25	ENE	29. 72	29.38	41	
	9				29. 80	29.42	45	
6	6	Showers.	WNW 30		29. 96	29.50	40	
	12		E NW		29.108	29.57	44	
	9	Hail showers.	NE 40		29.112	29.59	40	
7	6	Cloudy.	NE 50		29.128	29.67	40	
	12				29.156	29.82	45	
	9				30. 0	30. 0	41	
8	6	Cloudy.	NE 30		30. 0	30. 0	41	
	12	Fair.			30. 0	30. 0	45	
	9				30. 0	30. 0	40	
9	6	Cloudy.	NE 20		29.184	29.96	40	
	12	Fair.			29.186	29.97	44	
	9				29.186	29.97	40	

April

April 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
10	6	Cloudy.	NE 15		29.144	29.75	41	0.14
	12	Fair.			29.123	29.63	48	
	9	Cloudy.	WNW 20		29.96	29.50	42	
11	6	Rain.	NW 30		29.80	29.42	39	
	12	Cloudy.			29.80	29.42	44	
	9				29.62	29.32	38	
12	6	Fair, frost.	WNW 20		29.50	29.26	31	
	12	Rain, but snow on the hills.	ENE 15		29.50	29.26	41	
	9				29.44	29.23	40	
13	6	Cloudy.	NE 30		29.72	29.38	40	
	12	Showers.			29.80	29.42	41	
	9				29.70	29.37	41	
14	6	Cloudy.	NE 10	NW	29.80	29.42	38	
	12	Fair.			29.92	29.48	44	
	9	Cloudy.			29.96	29.50	40	
15	6	Cloudy.	NE 30		29.90	29.47	40	
	12				29.96	29.50	44	
	9	Showers.			29.104	29.54	40	
16	6	Cloudy.	NE 37		29.108	29.57	40	
	12	Showers.			29.100	29.52	45	
	9				29.100	29.52	40	
17	6	Rain.	ENE 30		29.88	29.46	39	
	12				29.90	29.47	42	
	9				29.93	29.48	41	
18	6	Showers.	E 10		29.96	29.50	40	
	12				29.99	29.52	41	
	9				29.104	29.54	40	0.50

April 1782

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
19	6	Fair.	ESE 25		29.112	29.59	40	
	12				29.116	29.61	44	
	9				29.116	29.61	41	
20	6	Showery.	E 15		29.128	29.67	42	
	12				29.128	29.67	45	
	9				29.140	29.73	40	
21	6	Rain.	E 20		29.130	29.68	41	
	12		SW 35		29.120	29.63	46	
	9				29.128	29.67	41	0.10
22	6	Fair.	SW 40		29.115	29.60	50	
	12	A little rain.			29.126	29.66	56	
	9	Fair.	SE 45		29.123	29.64	46	
23	6	Fair.	SW 30		29.110	29.57	46	
	12	Showers.			29.115	29.60	55	
	9				29.107	29.56	49	
24	6	Showers.	SE 25		29. 78	29.41	50	
	12				29. 66	29.34	49	
	9	Hard rain.			29. 51	29.27	50	
25	6	Fair.	W 20		29. 73	29.38	49	0.67
	12		SE	W	29. 96	29.50	50	
	9				29. 96	29.50	49	
26	6	Fair.	E 30		29.112	29.59	48	
	12				29.116	29.61	50	
	9				29.126	29.66	47	
27	6	Cloudy, black easterly wind.	E 55		29.142	29.74	45	
	12				29.142	29.74	49	
	9				29.146	29.76	45	

April

April 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
28	6	Cloudy, blackeasterly wind.	E 50		29.140	29.73	41	
	12				29.140	29.73	46	
	9				29.136	29.71	42	
29	6	Rain all day, but snow on the hills.	E 45		29.138	29.72	40	
	12				29.144	29.75	38	
	9				29.160	29.84	40	
30	6	Cloudy, frost.	SE 30		29.170	29.89	34	0.5
	12	Fair.			29.176	29.92	46	
	9				29.180	29.94	40	
Total rain								1.79

May 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain. Inch.
1	6 12 9	Fair, frost. No leaves on the trees yet. Cloudy.	ESE 28		Inches. 29.180 29.182 29.176	Inches. 29.94 29.95 29.92	34 47 48	
2	6 12 9	Fair. Cloudy.	E 10		29.176 29.170 29.166	29.92 29.89 29.87	40 48 45	
3	6 12 9	Cloudy. Sometimes fair. Cloudy.	E 15		29.152 29.150 29.146	29.80 29.79 29.77	41 49 46	
4	6 12 9	Fair. Cloudy.	E 12 NE		29.185 29.128 29.116	29.70 29.67 29.61	47 56 45	
5	6 12 9	Cloudy.	NE 20 E NW		29.130 29.130 29.126	29.68 29.68 29.66	42 49 45	
6	6 12 9	Cloudy.	NW 20	N	29.146 29.146 29.146	29.77 29.77 29.77	45 51 45	
7	6 12 9	Cloudy.	W 30 NE W	E	29.164 29.165 29.173	29.86 29.86 29.90	48 51 47	
8	6 12 9	Fair. Showers.	SE 15 S by E		29.169 29.160 29.128	29.89 29.84 29.67	50 54 48	
9	6 12 9	Cloudy.	SE by S 10		29. 96 29. 86 29. 94	29.50 29.45 29.49	50 50 47	

May

May 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
10	6	Cloudy.	ENE 30		29.104	29.54	47	
	12	Mild rain.	S		29.104	29.54	58	
	9	Showers.	WNW		29.107	29.56	51	
11	6	Showers.	SSW 25		29. 76	29.40	50	
	12				29. 70	29.37	54	
	9		WSW		29. 32	29.17	48	
12	6	Fair.	WSW 30		29. 80	29.42	47	
	12	Hard showers.			29. 82	29.43	50	
	9	Fair.			29. 58	29.31	54	
13	6	Fair.	W 20		29.115	29.60	50	1.19
	12	Showers.			29.116	29.61	58	
	9		S		29.116	29.61	50	
14	6	Rain.	SSW 15		29. 75	29.39	56	
	12				29. 56	29.29	60	
	9	Cloudy.	WSW		29. 56	29.29	55	
15	6	Showers.	S by W 5		29. 66	29.34	55	
	12		SSW		29. 66	29.34	56	
	9		W by S		29. 58	29.30	53	
16	6	Showers.	W by S		29. 50	29.26	50	
	12				29. 70	29.36	59	
	9				29. 88	29.46	50	0.24
17	6	Fair.	W 15		29. 21	29.12	55	
	12				29. 15	29. 8	61	
	9	Rain.	SW by W		29. 35	29.18	53	
18	6	Showers.	WSW 15		29. 38	29.20	47	
	12	Flying clouds.			29. 79	29.42	54	
	9	Cloudy.			29. 90	29.47	49	

May 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts. Inches.	Barom. 100 parts. Inches.	Thermom. °	Rain. Inch.
19	6	Rain.	NW 20		29.116	29.61	49	
	12	Fair.			29.134	29.70	51	
	9				29.164	29.86	45	
20	6	Fair.	S		29.161	29.84	49	
	12		SE by E 30		29.116	29.61	59	
	9	Hard rain.			29.76	29.40	42	
21	6	Rain.	NE 45		29.88	29.46	46	
	12		WSW		29.104	29.54	49	
	9	Cloudy.			29.104	29.54	47	
22	6	Foggy, rain.	WNW 20		29.108	29.56	50	
	12	Fair.			29.96	29.50	55	
	9				29.90	29.47	48	
23	6	Rain in the night. Showers.	SSE 40		29.75	29.89	47	0.93
	12	Fair.	WNW		29.90	29.47	50	
	9				29.98	29.51	49	
24	6	Showers.	NW 50		29.112	29.59	50	
	12	Fair.	60		29.136	29.71	55	
	9				29.160	29.84	50	
25	6	Hazy.	SW 30		29.176	29.92	50	
	12	Fair.			29.170	29.89	54	
	9				29.146	29.77	50	
26	6	Fair.	W 30		29.154	29.81	50	0.24
	12				29.173	29.90	56	
	9	Rainy.			29.170	29.89	53	
27	6	Hazy.	SW 25		29.144	29.75	48	
	12	Showers.			29.144	29.75	62	
	9		S		29.140	29.73	55	

May

May 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
28	6	Cloudy.	SW	0	29.140	29.73	60	
	12	Rain.	SE	20	29.134	29.70	60	
	9	Hard rain.	SW		29.106	29.55	62	
29	6	Rain.	S	30	29. 96	29.50	60	
	12				29. 88	29.46	58	
	9	Cloudy.	W		29. 90	29.47	52	0.33
30	6	Small showers.	W	25	29. 94	29.49	57	
	12	Fair at intervals.			29.106	29.55	62	
	9				29.106	29.55	55	
31	6	Cloudy.	W	0	29. 96	29.50	52	
	12	Hard showers.			29. 96	29.50	60	
	9				29. 96	29.50	58	0.28
Total rain								3.21

June

June 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain.
					Inches.	Inches.		Inch.
1	6	Rain.	NE 30	W	29.128	29.67	47	
	12	Cloudy.	NW by N		29.138	29.72	56	
	9	Rain.			29.124	29.65	49	
2	6	Fair.	NNW 40		29.188	29.98	50	
	12	Flying clouds.	NW		29.190	29.99	55	
	9				30. 4	30. 2	50	0.31
3	6	Fair.	NW 50		30. 8	30. 4	50	
	12				30. 16	30. 9	56	
	9	Cloudy.			30. 19	30.10	52	
4	6	Hazy.	WNW 20		30. 18	30.10	52	
	12	Fair.			30. 10	30. 5	60	
	9	Cloudy.			30. 0	30. 0	55	
5	6	Fair.	NW 30		30. 0	30. 0	50	
	12				30. 2	30. 1	58	
	9				30. 4	30. 2	52	
6	6	Fair.	E 10		30. 6	30. 3	47	
	12				30. 6	30. 3	60	
	9				30. 6	30. 3	52	
7	6	Fair.	SE 0		30. 5	30. 3	50	
	12	Hazy.			30. 0	30. 0	67	
	9	Cloudy.			29.184	29.96	60	
8	6	Cloudy.	SSW 10		29.163	29.86	55	
	12	Fair and hot.			29.152	29.80	70	
	9	Some rain.			29.138	29.72	57	
9	6	Showers.	S by W 25		29.100	29.52	56	
	12	Fair.			29.108	29.56	67	
	9	Cloudy.			29.112	29.59	57	0.50

June

June 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain. Inch.
					Inches.	Inches.		
10	6	Showers.	W 30		29. 62	29.31	52	
	12	Fair.			29. 76	29.40	62	
	9	Showers.			29. 76	29.40	60	
11	6	Showers.	W 20 50		29. 57	29.30	55	
	12	Fair.			29. 96	29.50	62	
	9				29.116	29.61	58	0.29
12	6	Showers.	W 20 SSE 30 W 75	SE	29. 56	29.29	55	
	12				29.112	29.59	63	
	9				29. 76	29.40	55	
13	6	Showers.	W 50		29. 82	29.43	51	
	12	Fair.			29.116	29.61	62	
	9	Hard rain.			29.134	29.70	55	
14	6	Showers.	W by S 75		29.144	29.75	56	0.34
	12	Fair and hot.			29.150	29.79	69	
	9				29.160	29.84	60	
15	6	Cloudy.	WSW 20 50 10		29.184	29.96	61	
	12	Fair, very hot.			30. 0	30. 0	75	
	9				30. 4	30. 2	60	
16	6	Foggy.	SE 10 NW 30 SW	W	30. 16	30. 9	60	
	12	Fair.			30. 32	30.17	72	
	9				30. 24	30.18	60	
17	6	Fair.	ESE 20 S by E 10		29.188	29.98	60	
	12				29.164	29.86	71	
	4	Excessive hot, ther. rose 21°.			29.150	29.79	81	
18	6	Flying thunder showers.	NW 10 WNW		29.154	29.81	67	
	12	Fair.			29.172	29.90	67	
	9				30. 0	30. 0	58	

June 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain.
					Inches.	Inches.		Inch.
19	6 12 9	Fair.	WNW 10		30. 16 30. 34 30. 32	30. 9 30.18 30.17	58 67 60	
20	6 12 9	Fair.	ENE 10 WSW	W	30. 32 30. 38 30. 38	30.17 30.20 30.20	58 68 64	
21	6 12 9	Hazy. Hot.	NNW 20 SW		30. 44 30. 57 30. 76	30.23 30.30 30.40	60 70 67	
22	6 12 9	Fair and hot.	W 25 SE	SW	30. 76 30. 76 30. 76	30.40 30.40 30.40	60 71 60	
23	6 12 9	Fair, very hot.	ENE 30 ESE 40		30. 72 30. 61 30. 48	30.38 30.32 30.25	59 74 66	
24	6 12 9	Fair, very hot.	ESE 20 S by E 10		30. 30 30. 22 30. 19	30.16 30.12 30.10	62 76 67	
25	6 12 2 9	Fair. Excessive hot.	W 0 E 22 S	SW	30. 8 29.186 29.184	30. 4 29.97 29.96	67 77 80 72	
26	6 12 9	Foggy and cooler. Fair.	WNW 25		29.184 29.184 29.184	29.96 29.96 29.96	61 70 58	
27	6 12 9	Fair.	E 0 WNW 30		30. 10 30. 10 30. 0	30. 5 30. 5 30. 0	57 67 56	

June

June 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
28	6	Fair.	NW	10	29.188	29.98	57	
	12				30. 4	30. 2	67	
	9				30. 4	30. 2	60	
29	6	Cloudy.	W	20	30. 6	30. 3	56	
	12				30. 6	30. 3	67	
	9				30. 0	30. 0	56	
30	6	A little rain.	W	10	29.176	29.92	61	
	12	Hazy.	WNW		29.180	29.94	67	
	9	Fair.			29.180	29.94	55	
Total rain								1.44

July 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	6	Cloudy.	WNW 20		29.180	29.94	58	
	12				29.184	29.96	62	
	9	A hard shower.			29.172	29.90	57	
2	6	Flying clouds.	NW 40		29.144	29.75	58	
	12				29.146	29.76	62	
	9				29.152	29.79	57	0.07
3	6	Hazy.	WNW 15		29.182	29.95	59	
	12	Fair.			29.186	29.97	62	
	9				29.180	29.94	58	
4	6	A little rain.	WNW 30		29.162	29.85	58	
	12	Hazy.			29.166	29.87	62	
	9	Fair			29.170	29.89	55	
5	6	Fair and cold.	WNW 10		29.158	29.83	50	
	12	Rain.			29.140	29.73	61	
	9				29.130	29.68	58	0.28
6	6	Rain.	SE 20	SW	29.122	29.64	59	
	12		E 35		29.134	29.70	61	
	9		NE		29.150	29.79	60	0.23
7	6	Foggy, rain.	NE 20		29.162	29.85	59	
	12	Fair.			29.162	29.85	62	
	9	Cloudy.	0		29.162	29.85	60	
8	6	Cloudy.	E		29.167	29.88	60	
	12	Fair.	WNW 40		29.174	29.91	63	
	9	Cloudy.			29.174	29.91	58	
9	6	Fair and hot.	WNW 45		29.156	29.82	60	0.13
	12				29.160	29.84	70	
	9				29.170	29.89	59	

July

July 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
10	6	Cloudy.	WNW 20		29.168	29.88	59	
	12	Fair.			29.170	29.89	60	
	9				29.175	29.91	58	
11	6	Rainy day.	SE 30 SSE WNW	W by N	29.154	29.81	59	
	12				29.128	29.67	60	
	9				29.100	29.52	58	
12	6	A little shower.	W 0		29.122	29.64	56	
	12	Cloudy and fair at intervals.			29.144	29.75	68	
	9	Hard showers.			29.152	29.80	58	
13	6	Rain.	S by E 30		29.164	29.86	59	
	12				29.132	29.69	61	
	9	Hard rain.			29.100	29.52	58	
14	6	Cloudy.	W 10		29.128	29.67	59	0.68
	12	Fair.			29.140	29.73	64	
	9				29.152	29.80	60	
15	6	Hazy.	W 20		29.164	29.86	60	
	12	Fair and hot.			29.174	29.91	74	
	9				29.160	29.84	65	
16	6	Fair.	E 0 NW 10 SE		29.154	29.81	59	
	12				29.150	29.79	65	
	9	Thunder showers.			29.144	29.70	60	
17	6	Hard rain.	S by E 30 NW		29.166	29.87	58	
	12				29.170	29.89	61	
	9				29.186	29.97	59	
18	6	Fair and cold morning.	WNW 15		30. 0	30. 0	50	0.37
	12				30. 16	30. 9	69	
	9				30. 32	30.17	62	

July

July 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
19	6 12 9	Fair and hot.	W 10 E	NE	30.40 30.48 30.36	30.21 30.25 30.19	64 72 65	
20	6 12 9	Fair.	WNW 15 E	ENE	30.38 30.30 30.24	30.20 30.16 30.13	62 67 59	
21	6 12 9	Fair. Very hot.	ENE 10		30.24 30.16 30.0	30.13 30.9 30.0	64 74 68	
22	6 12 2 9	Fair. Exceffive hot. Flying showers.	E 30 S by E		29.160 29.152 29.140	29.84 29.80 29.73	61 80 81 68	
23	6 12 9	Flying showers. Fair.	S 10		29.146 29.150 29.154	29.77 29.79 29.81	64 74 65	
24	6 12 9	Cloudy. Some small rain. Cloudy.	SW 35 W	NE N	29.158 29.166 29.173	29.83 29.87 29.90	63 71 60	
25	6 12 9	Fair.	SW by W 40 W	ENE	29.188 29.190 30.0	29.98 29.99 30.0	59 65 60	
26	6 12 9	Cloudy. A hard shower. Fair afternoon.	SW 20 WNW NE	N	29.154 29.162 29.172	29.81 29.85 29.90	58 64 59	
27	6 12 9	Rain.	NE 30 NW	SW	29.156 29.150 29.140	29.82 29.79 29.73	61 63 60	

July

July 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain. Inch.
28	6	Showers.	W 25		Inches. 29.140	Inches. 29.73	60	
	12				29.132	29.69	62	
	9	Cloudy.			29.138	29.72	60	
29	6	Fair.	E 10		29.150	29.79	60	
	12	Hazy.	W 35		29.154	29.81	70	
	9	A little rain.	NW		29.163	29.85	60	
30	6	Fair.	NE 20		29.170	29.89	56	0.77
	12			NE	29.172	29.90	65	
	9		WNW 40		29.174	29.91	58	
31	6	Cloudy.	WNW 15		29.160	29.84	56	
	12	Some rain.		SE	29.156	29.82	62	
	9		SW		29.144	29.75	60	
Total rain								2.93

August

August 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	6 12 9	Flying showers.	NE 30	S	29.140 29.128 29. 90	29.73 29.67 29.47	58 68 60	
2	6 12 9	Fair. Showers. Showers.	NE 0 WSW 30 WNW	S	29. 70 29. 60 29. 72	29.37 29.31 29.38	58 66 60	
3	6 12 9	Fair.	NW 40 WNW		29. 75 29.110 29.113	29.39 29.58 29.60	60 67 60	
4	6 12 9	Fair. Showert.	WNW 35		29.122 29.134 29.144	29.64 29.70 29.75	58 64 60	
5	6 12 9	Some rain. Fair.	W 10		29.176 29.168 29.160	29.92 29.88 29.84	57 65 59	0.19
6	6 12 9	Showers. Fair. Thunder showers.	W SW S		29.126 29. 96 29. 48	29.66 29.50 29.25	58 68 60	0.11
7	6 12 9	Hard rain. Very stormy.	ESE 20 NW 90		28.186 29. 19 29. 39	28.97 29.10 29.20	57 51 55	1.51
8	6 12 9	Very stormy showers. Stormy, but fair.	NNW 90 80 75		29. 56 29.100 29.125	29.29 29.52 29.65	56 64 60	0.30
9	6 12 9	Cloudy. Showers.	NW 40		29.120 29.116 29.122	29.63 29.61 29.64	58 62 60	

August 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.		Inch.
10	6	Small showers.	NW 50		29.135	29.71	58	
	12	Fair at intervals.			29.140	29.73	60	
	9				29.154	29.81	57	
11	6	Fair.	WNW 35		29.160	29.84	58	
	12				29.160	29.84	61	
	9				29.156	29.82	52	
12	6	Cloudy.	SE 30		29.134	29.70	58	
	12	Hard rain.			29.105	29.54	55	
	9				29.100	29.52	52	
13	6	Fair.	WSW 10		29.100	29.52	57	0.54
	12	Flying showers.			29. 76	29.40	64	
	9	Hard wind and rain.			29. 36	29.19	60	
14	6	Hard showers.	SW 75		29. 34	29.18	63	
	12	Fair.			29. 30	29.16	68	
	9	Cloudy.			29. 24	29.13	60	
15	6	Cloudy.	WNW 0		29. 80	29.42	62	
	12	Fair.			29.100	29.52	68	
	9				29.116	29.61	60	
16	6	Rain.	S WNW 20		29. 48	29.25	56	
	12	Fair.			29. 60	29.31	64	
	9	Cloudy.			29. 86	29.45	59	
17	6	Cloudy.	WNW 30		29. 86	29.45	58	
	12	Fair.			29. 86	29.45	60	
	9	Cloudy.			29. 86	29.45	59	
18	6	Fair.	NW 35 WNW		29.138	29.72	60	
	12				29.140	29.73	64	
	9	Showers.			29.144	29.75	60	

August 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
19	6	Fair.	SE 10		29.134	29.70	59	0.17
	12				29.146	29.76	69	
	9	Cloudy.	NW		29.148	29.77	60	
20	6	Cloudy.	SW 40		29.148	29.77	58	
	12	Showers.	WNW		29.144	29.75	70	
	9				29.144	29.75	60	
21	6	Fair.	WSW 25		29.152	29.79	58	
	12		SW		29.148	29.77	71	
	9	Showers.			29.154	29.80	63	
22	6	Showery day.	SW 40		29.144	29.75	58	
	12		WSW		29.134	29.70	67	
	9				29.122	29.64	57	
23	6	Showers.	W 50		29.126	29.66	56	
	12	Fair.	NW		29.138	29.73	67	
	9	Cloudy.	SW		29.154	29.81	60	
24	6	Cloudy.	SW 20		29.150	29.79	58	
	12	Showers.			29.115	29.60	70	
	9		WNW		29. 96	29.50	60	
25	6	Fair.	WSW 25		29.106	29.56	59	
	12				29.134	29.70	67	
	9	Showers.	W		29.150	29.79	60	
26	6	Showers.	WSW 20		29.154	29.81	60	
	12				29.163	29.85	70	
	9				29.173	29.90	61	0.64
27	6	Fair.	NW 45		29.138	29.72	60	
	12				29.135	29.70	64	
	9	Hard rain.	WNW		29.106	29.55	60	

August

August 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.		Inch.
28	6	Fair.	NW 50		29.122	29.64	58	
	12	Cloudy.			29.134	29.70	63	
	9	Showers.			29.130	29.68	58	
29	6	Showers.	W 40 WNW 65		29.111	29.58	52	
	12	Fair.			29.118	29.62	59	
	9	Hard rain.			29.123	29.64	54	
30	6	Showers.	NWbyW 45		29.142	29.74	55	
	12	Fair.			29.156	29.81	59	
	9				29.182	29.95	52	
31	6	Showers.	NWbyW 30		30. 4	30. 2	52	0.50
	12	Fair.			30. 16	30. 9	60	
	9	Rain.			30. 24	30.13	55	
Total rain								4.19

September 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	6	Cloudy.	WSW 20 WNW		30. 32	30.17	57	0.17
	12	Fair.			30. 37	30.20	60	
	9	Cloudy.			30. 40	30.21	54	
2	6	Cloudy.	SW 10 NE NW SW		30. 52	30.27	60	
	12	Fair.			30. 66	30.34	68	
	9				30. 48	30.25	58	
3	6	Cloudy.	SW 5 NE SE SW	SW	30. 29	30.15	52	
	12				30. 20	30.11	67	
	9	Fair			30. 5	30. 3	60	
4	6	Fair.	NNE 10 SSE	SSE	29.180	29.94	55	
	12	Hot.			29.180	29.94	71	
	9				29.184	29.96	60	
5	6	Fair, cold rain.	SE 20		30. 0	30. 0	52	
	12	Hot.			30. 5	30. 3	70	
	9				30. 10	30. 5	60	
6	6	Fair.	SE 25		30. 10	30. 5	55	
	12				30. 15	30. 8	68	
	9				30. 15	30. 8	60	
7	6	Fair.	SSE 15		30. 18	30.10	60	
	12				30. 18	30.10	70	
	9				30. 20	30.11	60	
8	6	Fair.	E 10		30. 24	30.13	57	
	12				30. 24	30.13	67	
	9				30. 20	30.11	60	
9	6	Foggy.	E 10		30. 24	30.13	60	
	12	Fair.			30. 24	30.13	68	
	9				30. 14	30. 8	62	

September

September 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain.
					Inches.	Inches.		Inch.
10	6	Foggy.	E 15		30. 16	30. 9	58	
	12	Fair.			30. 10	30. 5	67	
	9				30. 0	30. 0	61	
11	6	Fair.	ENE 30		29. 184	29.96	60	
	12				29. 180	29.94	67	
	9		50		29. 178	29.93	60	
12	6	Cloudy.	E 50		29. 179	29.93	63	
	12				30. 0	30. 0	66	
	9	Fair.			30. 12	30. 6	60	
13	6	Cloudy.	E 20		30. 12	30. 6	55	
	12	Fair.			30. 0	30. 0	65	
	9		W		29. 184	29.96	58	
14	6	Cloudy.	E 25		29. 170	29.89	57	
	12				29. 165	29.87	64	
	9				29. 144	29.75	60	
15	6	A little rain.	S 25		29. 96	29.50	58	
	12	Fair.	ESE		29. 64	29.34	63	
	9				29. 48	29.25	60	
16	6	A little rain.	S 10		29. 20	29. 11	60	
	12	Hard rain.	ESE 15		29. 12	29. 7	67	
	4				29. 0	29. 0		
	9	Stormy wind and rain.	SW 75		29. 33	29.17	57	
17	6	Fair.	W 25		29. 48	29.25	55	
	12	Showers.			29. 57	29.30	63	
	9				29. 57	29.30	55	0.61
18	6	Showers.	WNW 30		29. 48	29.25	55	
	12				29. 20	29.11	63	
	9		70		29. 57	29.30	58	

September

September 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
19	6 12 9	Fair and cold.	WNW 60		29.130 29.170 29.176	29.68 29.89 29.92	51 53 52	
20	6 12 9	Showers.	WNW 30		29.150 29.142 29.110	29.79 29.74 29.58	60 64 60	0.22
21	6 12 9	Cloudy. Hard rain.	SW 25		29.100 29. 96 29. 96	29.52 29.50 29.50	58 60 61	
22	6 12 9	Fair. Hard showers.	SW 28		29.100 29.100 29. 90	29.52 29.5 29.47	60 67 61	0.24
23	6 12 9	Showers. Stormy.	NW 60 70		29. 76 29. 80 29.140	29.40 29.42 29.73	57 64 60	
24	6 12 9	A little shower. Cloudy. Rain.	WNW 10		29.164 29.180 29.170	29.86 29.94 29.89	53 63 58	0.88
25	6 12 9	Showers. Fair and hot.	WNW 5		29.156 29.164 29.164	29.82 29.86 29.86	53 69 60	
26	6 12 9	Showers. Fair and hot. Cloudy.	W 0 20		29.160 29.160 29.160	29.84 29.84 29.84	55 70 58	0.45
27	6 12 9	Rain. Fair.	NW 30		29.125 29.150 29.182	29.65 29.79 29.95	55 67 60	

September

September 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
28	6	Cloudy and cold.	SW 10		30. 6	30 3	49	
	12		35		30. 12	30. 6	57	
	9	Rain.			29.180	29.94	55	
29	6	Fair.	W 20		29.170	29.89	60	
	12	Showers.			29.140	29.73	67	
	9	Hard rain.			29.128	29.67	61	
30	6	Fair.	NW 60		29.116	29.61	50	
	12	Showers.			29.144	29.75	55	
	9				29.180	29.94	51	
								1.33
Total rain								3.90

October 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain. Inch.
					Inches.	Inches.		
1	7	Fair.	NW 30		30. 8	30. 4	49	
	12				30. 10	30. 5	54	
	9				30. 0	30. 0	50	
2	7	Showers.	WNW 35		29. 80	29.42	55	
	12				29. 70	29.37	64	
	9				29. 48	29.25	57	0.41
3	7	Fair.	NE 15		29. 30	29.16	58	
	12	Cloudy.			29. 60	29.31	63	
	9				29. 80	29.42	56	
4	7	Fair and cold.	NE 20		29. 88	29.45	43	
	12				29. 90	29.47	53	
	9	Cloudy.			30. 12	30. 6	50	
5	7	Fair.	ENE 10		29.172	29.89	45	
	12				29.180	29.94	48	
	9				29.186	29.97	48	
6	7	Fair.	E 25		30. 6	30. 3	50	
	12				30. 0	30. 0	56	
	9	Cloudy.			29.184	29.96	51	
7	7	Cloudy.	WNW 10		29.175	29.91	50	
	12	A little rain.			29.175	29.91	55	
	9				29.170	29.89	51	
8	7	Mist close day.	NW 30		29.164	29.86	53	
	12				29.160	29.84	56	
	9				29.160	29.84	51	
9	7	Some rain.	ESE 24		29.154	29.81	53	
	12				29.140	29.73	57	
	9				29.136	29.71	54	

October

October 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.		Inch.
10	7	Cloudy.	E 30		29. 80	29.42	50	
	12				29. 40	29.21	56	
	9				29. 16	29. 9	52	
11	7	Cloudy.	E 60		29. 16	29. 9	49	
	12				29. 40	29.21	54	
	9				29. 60	29.31	51	
12	7	Cloudy.	E 50		29. 84	29.44	50	
	12				29. 88	29.46	54	
	9				29.110	29.57	51	
13	7	Fair.	E 20		29.130	29.68	48	
	12				29.154	29.81	52	
	9	Cloudy.			29.162	29.85	50	
14	7	White frost.	W 10		29.184	29.96	37	
	12				30. 0	30. 0	47	
	9		E		30. 6	30. 3	50	
15	7	Some rain.	E 20		30. 16	30. 9	50	
	12				30. 16	30. 9	54	
	9				30. 16	30. 9	51	
16	7	Cloudy.	WNW 30		30. 16	30. 9	47	
	12	Fair.			30. 18	30.10	55	
	9				30. 20	30.11	50	
17	7	Fair.	N NW 35		30. 24	30.13	49	
	12				30. 28	30.15	55	
	9	Cloudy.			30. 36	30.19	51	
18	7	Cloudy.	WNW 50		30. 58	30.31	50	
	12	Fair.			30. 72	30.38	54	
	9	Cloudy.			30. 66	30.34	50	

October 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain.
					Inches.	Inches.		Inch.
19	7	Some little rain.	WNW 60		29.154	29.81	52	
	12				29.160	29.84	56	
	9	Stormy wind.	80		29.165	29.86	50	0.42
20	7	Fair.	NW by N 60		29.170	29.89	47	
	12				29.172	29.90	54	
	9	Rain.			29.170	29.89	55	
21	7	Rain.	NW 40		29.124	29.65	56	
	12	Fair.			29.144	29.75	60	
	9	Cloudy.			29.144	29.75	60	
22	7	Cloudy.	WNW 35		29.144	29.75	60	
	12				29.130	29.68	62	
	9	Rainy night.			29.110	29.58	62	
23	7	Fair.	WNW 20		29.144	29.75	48	
	12				29.160	29.84	53	
	9				30. 15	30. 8	50	
24	7	Fair, frost.	WNW 0		30. 38	30.20	39	
	12				30. 48	30.25	52	
	9		35		30. 58	30.30	50	
25	7	Showers.	W 20		30. 40	30.21	47	
	12				30. 32	30.17	54	
	9				30. 19	30.10	51	0.40
26	7	Fair.	W 0		30. 16	30. 9	55	
	12				30. 40	30.21	60	
	9	Foggy.			30. 60	30.31	55	
27	7	Foggy day.	SW 0		30. 56	30.29	54	
	12				30. 48	30.25	58	
	9				30. 32	30.17	57	

October 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
28	7	Fair.	W 5		29.184	29.96	50	
	12	Small showers.	25		29.176	29.92	55	
	9	Stormy showers.	75		29.104	29.54	54	
29	7	Excessive stormy, but dry.	WNW 90		29.136	29.72	50	
	12		NW 80		29.160	29.84	55	
	9	Shower.	10		30. 8	30. 4	51	
30	7	Rain.	WNW 0		30. 0	30. 0	40	
	12				29.140	29.73	52	
	9		30		29. 96	29.50	50	
31	7	Showers.	NW 25		29. 68	29.36	48	
	12				29. 79	29.42	50	
	9				30. 0	30. 0	46	0.46
Total rain								1.69

November 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	8 12 9	Cloudy. Showers.	SE 15		30. 0 29. 97 30. 6	30. 0 29.50 30. 3	42 49 45	
2	8 12 9	Rain.	SE 30		29.170 29. 84 29. 76	29.89 29.44 29.40	45 50 43	
3	8 12 9	Fair. Showers.	NW 10 W NE		29. 6 29. 12 29. 24	29. 3 29. 6 29.13	45 49 49	
4	8 12 9	Fair.	NW 30 NE		29. 84 29. 90 29. 96	29.44 29.47 29.50	40 45 44	0.73
5	8 12 9	Rain.	NE 35 ENE NE		29.104 29.136 29.136	29.54 29.71 29.71	39 43 43	
6	8 12 9	Fair, frost. Snow on the hills.	NW 23		30. 0 30. 12 30. 50	30. 0 30. 6 30.26	38 43 37	
7	8 12 9	Fair, hard frost.	NNW 0 NE NW	E	30. 56 30. 64 30. 56	30.30 30.33 30.30	32 38 32	
8	8 12 9	Fair, hard frost. Cloudy.	NE 20 ENE		30. 32 30. 24 30. 16	30.17 30.13 30. 9	30 40 38	
9	8 12 9	Cloudy, little frost. Frost.	NW 20		30. 0 30. 0 29.178	30. 0 30. 0 29.93	37 43 32	

November

November 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
10	8	Very hard frost.	NW 0		29.170	29.89	27	
	12				29.166	29.87	35	
	9				29.164	29.86	38	
11	8	Rain.	ENE 25		29.144	29.75	37	
	12				29.160	29.84	42	
	9				29.172	29.90	40	
12	8	Foggy rain.	SSE 30		30. 0	30. 0	39	
	12				30. 8	30. 4	45	
	9	Fair.			30. 20	30.11	48	0.12
13	8	Fair, frost.	NW 0		30. 80	30.42	32	
	12	N. B. The tide ebbed and flowed 3 times in an hour.	SE		30. 96	30.50	45	
	9		W		30.120	30.63	35	
14	8	Fair, frost.	W 0		30.114	30.60	35	
	12	Cloudy.			30.112	30.59	40	
	9				30.110	30.58	40	
15	8	Cloudy.	NW 10		30.108	30.57	48	
	12	Rain.	50		30. 90	30.47	53	
	9				30. 48	30.25	50	
16	8	Cloudy.	NW 75		30. 0	30. 0	48	
	12	Fair.			30. 0	30. 0	52	
	9				30. 16	30. 9	45	
17	8	Fair, little frost.	NNW 30		30. 38	30.20	42	
	12				30. 32	30.17	45	
	9				30. 30	30.16	40	
18	8	Cloudy.	W 10		29.176	29.92	44	
	12	Small rain.			29.174	29.91	48	
	9				29.172	29.90	40	

November.

November 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom. °	Rain. Inch.
19	8 12 9	Foggy, rain.	NW 20		Inches. 29.180 29.180 29.180	Inches. 29.94 29.94 29.94	40 47 43	
20	8 12 9	Cloudy. Fair.	E 15		29.180 29.180 29.180	29.94 29.94 29.94	40 47 41	0.10
21	8 12 9	Fair, hard frost.	WNW 0		29.180 30. 8 30. 0	29.94 30. 4 30. 0	31 37 30	
22	8 12 9	Very hard frost. Cloudy.	S 0 SE W		29.154 29.128 29.104	29.81 29.67 29.54	29 39 38	
23	8 12 9	Cloudy. Snow.	NW 10 SE		29. 80 29. 72 29. 70	29.42 29.38 29.37	38 40 36	
24	8 12 9	Cloudy. Rain.	S by E 15 E		29. 66 29. 56 29. 62	29.34 29.29 29.32	35 39 38	
25	8 12 9	Hard rain. Cloudy.	S by E 10		29. 90 29. 96 29.130	29.47 29.50 29.68	37 38 38	
26	8 12 9	Fair. Freezing hard.	S S by E 20		29.180 30. 0 30. 8	29.94 30. 0 30. 4	37 40 32	
27	8 12 9	Cloudy. Rain.	S by E 20 SW		29.160 29.152 29.144	29.84 29.80 29.75	38 40 40	

November

November 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
28	8	Rain.	S by E 30		29.136	29.71	39	
	12		SSW		29.130	29.68	42	
	9	Cloudy.			29.112	29.59	42	0.54
29	8	Hail showers.	NW 70		29.134	29.70	40	
	12				29.134	29.70	43	
	9		E		29.134	29.70	42	
30	8	Rain.	E 25		29.120	29.63	40	
	12	Fair.			29.126	29.66	43	
	9				29.130	29.68	40	
Total rain								1.49

December

December 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
1	8	Cloudy.	ENE 10		29.154	29.81	37	
	12				29.160	29.84	42	
	9	Fair.			29.173	29.90	39	
2	8	Excessive hard frost.	W SE ESE	W	29.153	29.80	26	
	12				29.153	29.80	35	
	9				29.153	29.80	30	
3	8	Fair, frost.	SSE 10		30. 0	30. 0	32	
	12				30. 0	30. 0	35	
	9	Cloudy.			30. 0	30. 0	32	
4	8	Cloudy, frost.	E by S 15		30. 20	30.11	33	
	12				30. 20	30.11	34	
	9				30. 20	30.11	32	
5	8	Cloudy, frost.	E by S 25		29.176	29.92	34	
	12				29.168	29.88	34	
	9				29.154	29.81	34	
6	8	Cloudy, frost.	S by W 10		29.134	29.70	40	
	12				29.126	29.65	45	
	9	Miffling rain.			29.126	29.66	42	
7	8	Cloudy.	S by W 12		29.140	29.73	41	
	12	Some rain.			29.140	29.73	49	
	9				29.152	29.80	47	0.14
8	8	Foggy and cold.	E 15		30. 0	30. 0	35	
	12				30. 8	30. 4	35	
	9				30. 8	30. 4	35	
9	8	Foggy.	E 20		29.154	29.81	35	
	12				29.150	29.79	37	
	9				29.150	29.79	37	

December 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
10	8	Foggy.	NW by W 5 NE		29.140	29.73	40	
	12				29.136	29.71	43	
	9				29.140	29.73	41	
11	8	Foggy.	E 15 S by E		29.190	29.99	36	
	12				29.190	29.99	38	
	9				29.188	29.98	37	
12	8	Foggy.	WNW 25		29.156	29.82	36	
	12				29.132	29.69	37	
	9	Rain.			29.128	29.67	37	
13	8	Rain.	WNW 20		29.112	29.59	40	
	12	Fair.			29.112	29.59	42	
	9	Hard rain.			29. 64	29.33	40	
14	8	Rain.	WNW 30		29. 96	29.50	39	
	12				29.108	29.57	41	
	9	Cloudy.			29.108	29.57	40	
15	8	Cloudy, sometimes fair.	NW 35		29.122	29.64	39	
	12				29.124	29.65	42	
	9	Cloudy.			29.140	29.73	40	
16	8	Rain.	WNW 20		29.116	29.61	41	
	12				29.110	29.58	47	
	9	Very hard rain.			29.110	29.58	46	
17	8	Foggy, rain.	NW 40		29.112	29.59	50	
	12	Very mild.			29.118	29.62	54	
	9				29.116	29.61	51	1.09
18	8	Cloudy.	WNW 25		29.128	29.67	48	
	12	Fair.			29.160	29.84	50	
	9				29.190	29.99	50	

December 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.	°	Inch.
19	8	Frosty and fair.	W 0		30.92	30.48	40	
	12		10		30.116	30.61	45	
	9	Hazy.			30.128	30.67	41	
20	8	Foggy.	W 15		30.120	30.63	39	
	12				30.120	30.63	42	
	9				30.116	30.61	40	
21	8	Cloudy.	WNW 20		30.116	30.61	39	
	12	Fair.			30.120	30.63	48	
	9		NW		30.116	30.61	41	
22	8	Frosty and fair.	E 0		30.112	30.59	39	
	12				30.106	30.55	44	
	9	Cloudy.			30.106	30.55	46	
23	8	Fair.	SW 20		30.72	30.38	40	
	12	Cloudy.	WNW		30.70	30.37	45	
	9				30.57	30.30	40	
24	8	Cloudy.	NW 75		30.50	30.26	45	
	12				30.50	30.26	48	
	9				30.50	30.26	45	
25	8	Foggy.	NW 25		30.28	30.15	45	
	12				30.40	30.21	49	
	9				30.64	30.33	40	
26	8	Foggy.	WNW 15		30.96	30.50	44	
	12				30.96	30.50	48	
	9				30.96	30.50	40	
27	8	Foggy.	WNW 25		30.64	30.34	41	
	12				30.60	30.32	45	
	9				30.60	30.32	39	

December

December 1782.

Day.	Hour.	Weather.	Winds.	Clouds.	Barom. 192 parts.	Barom. 100 parts.	Thermom.	Rain.
					Inches.	Inches.		Inch.
28	8	Foggy.	NW 40		30. 44	30.23	38	
	12				30. 40	30.21	43	
	9	Misling rain.			30. 30	30.16	40	
29	8	Misling rain.	W byN 15		30. 30	30.16	40	
	12				30. 28	30.15	44	
	9	Fair.			30. 32	30.17	39	
30	8	Foggy.	NW 40		30. 40	30.21	39	
	12				30. 40	30.21	42	
	9				30. 44	30.23	40	
31	8	Fair.	ENE 30		30. 50	30.26	40	
	12				30. 52	30.27	44	
	9		ESE 10		30. 54	30.28	38	

Total rain 1.23

Total of Rain from the first of January, 31.26 inches.

