

TABLE II.

MONTHLY Mean Normal Temperature, at Halifax, for each of the twenty-four hours, from Bi-hourly Observations in the three years 1867-69.

Hour.	Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Midnight	18 83	20 90	24 12	33 05	42 73	52 75	58 79	58 97	54 07	42 78	34 85	23 63	38 79
1 a.m.	18 24	20 32	23 11	32 15	42 11	51 92	57 78	58 04	53 53	42 51	34 65	23 47	38 15
2 "	17 40	19 74	22 09	31 36	41 44	50 89	56 64	57 13	52 82	41 86	34 14	23 28	37 40
3 "	16 70	19 28	21 55	30 85	40 73	50 06	55 88	56 63	52 27	41 16	33 59	23 06	36 81
4 "	16 49	19 09	21 39	30 70	40 49	50 15	55 96	56 61	52 04	40 83	33 34	23 05	36 68
5 "	16 63	19 12	21 35	31 06	41 33	51 51	57 01	57 09	52 21	40 97	33 88	23 27	37 08
6 "	16 72	19 23	21 64	32 12	43 26	53 69	58 77	58 32	53 06	41 49	33 48	23 45	37 94
7 "	16 75	19 58	22 33	33 94	45 71	56 08	61 03	60 57	54 79	42 52	33 70	23 52	39 25
8 "	17 20	20 54	24 98	36 24	48 21	58 46	63 78	63 61	57 21	44 36	34 45	23 88	41 08
9 "	18 47	20 26	27 65	38 58	50 66	60 95	66 72	66 70	59 85	46 94	35 90	24 91	43 30
10 "	20 39	24 30	30 24	40 59	53 02	63 30	69 23	69 17	62 30	49 56	37 60	26 38	45 50
11 "	22 07	26 09	32 80	42 77	54 95	65 14	70 90	70 78	64 21	51 42	38 91	27 74	47 27
Noon.	23 33	27 44	33 57	43 33	56 04	66 23	71 99	71 83	65 86	52 29	39 61	28 70	48 36
1 p.m.	24 16	28 44	34 10	44 91	56 24	66 65	72 81	72 54	65 92	52 62	39 86	29 17	48 95
2 "	24 38	29 03	34 15	45 19	55 96	66 66	73 30	72 88	66 22	52 77	39 73	29 04	49 11
3 "	23 96	28 90	33 75	44 57	55 55	66 49	73 17	72 65	66 06	52 35	39 13	28 28	48 74
4 "	23 01	27 90	32 68	43 31	54 87	66 08	72 33	71 65	64 78	50 88	38 11	27 19	47 73
5 "	21 88	26 85	30 97	41 73	53 46	65 04	70 81	69 84	62 27	48 65	37 03	26 17	46 18
6 "	20 98	24 83	29 15	39 84	51 14	62 35	68 53	67 37	59 48	46 69	36 29	25 88	44 39
7 "	20 37	23 74	27 67	37 76	48 49	59 98	65 66	64 63	57 44	45 65	35 92	24 81	42 68
8 "	19 95	23 09	26 52	35 93	46 38	57 08	62 89	62 19	56 22	45 10	35 64	24 45	42 29
9 "	19 60	22 60	25 61	34 80	45 10	55 07	60 96	60 57	55 57	44 37	35 30	24 27	40 30
10 "	19 34	22 07	25 63	34 24	44 26	53 99	60 00	59 87	54 72	43 51	34 99	24 10	39 68
11 "	19 13	21 48	24 68	33 32	43 47	53 33	59 45	59 52	54 36	42 95	34 86	23 85	39 20
Mean....	19 83	23 18	27 13	37 20	48 15	58 52	64 35	64 13	58 19	46 01	36 02	25 21	42 33

If the difference of each hourly normal in excess or defect from the means for twenty-four hours given at the foot of each column be taken, we have the diurnal variations given in Table III.

TABLE III.

MEAN Diurnal Variations of Temperature, at Halifax, for each month and for the year, from Bi-hourly Observations in the years 1867-69.

Hour.	Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
Midnight	-1 00	-2 28	-3 01	-5 15	-5 42	-5 77	-5 56	-5 16	-4 12	-3 23	-1 17	-1 33	-3 54
1 a.m.	-1 59	-2 36	-4 02	-5 05	-6 04	-6 60	-6 57	-6 00	-4 66	-3 50	-1 37	-1 74	-1 18
2 "	-2 43	-3 44	-5 01	-5 84	-6 71	-7 63	-7 71	-7 00	-5 87	-4 15	-1 63	-1 35	-4 93
3 "	-3 13	-3 90	-5 53	-6 85	-7 42	-8 46	-8 47	-7 50	-5 92	-4 80	-2 43	-2 15	-5 52
4 "	-3 34	-4 06	-5 74	-6 50	-7 66	-8 37	-8 39	-7 52	-6 15	-5 15	-2 43	-2 16	-5 65
5 "	-3 20	-4 06	-5 78	-6 14	-6 82	-7 61	-7 34	-7 04	-5 93	-5 04	-2 64	-1 34	-5 25
6 "	-3 11	-3 95	-5 49	-5 03	-4 89	-4 83	-5 58	-5 31	-5 13	-4 52	-2 54	-1 76	-4 59
7 "	-3 08	-3 60	-4 80	-3 26	-2 44	-2 44	-3 32	-3 56	-3 40	-3 40	-2 32	-1 66	-3 08
8 "	-2 63	-2 64	-2 15	-0 96	+0 66	-0 66	-0 57	-0 52	-0 98	-1 65	-1 57	-1 33	-1 25
9 "	-1 86	-0 92	+0 52	+1 33	+2 51	+2 41	+2 37	+2 57	+1 66	+0 93	-0 12	-0 30	+0 37
10 "	+0 47	+1 12	+3 11	+3 39	+4 87	+4 78	+4 38	+5 04	+4 11	+3 55	+1 58	+1 17	+3 17
11 "	+2 21	+2 91	+5 17	+5 57	+6 80	+6 62	+6 55	+6 65	+6 02	+5 41	+2 89	+2 53	+4 94
Noon.	+3 55	+4 26	+6 44	+6 63	+7 89	+7 71	+7 64	+7 70	+7 17	+6 28	+3 69	+3 49	+6 03
1 p.m.	+4 33	+5 26	+6 67	+7 71	+8 69	+8 13	+8 46	+8 41	+7 73	+6 61	+3 84	+3 96	+6 62
2 "	+4 55	+5 35	+7 02	+7 99	+7 81	+8 14	+8 95	+8 75	+8 03	+6 76	+3 71	+3 83	+6 78
3 "	+4 13	+5 72	+6 02	+7 37	+7 49	+7 87	+8 82	+8 52	+7 87	+6 84	+3 11	+3 07	+6 41
4 "	+3 13	+4 72	+5 55	+6 11	+6 52	+7 56	+7 98	+7 52	+6 59	+4 87	+2 00	+1 98	+5 46
5 "	+2 05	+3 17	+3 84	+4 53	+5 71	+6 52	+6 46	+5 71	+4 08	+2 64	+1 01	+0 96	+3 85
6 "	+1 15	+1 65	+2 02	+2 64	+2 99	+4 43	+4 13	+3 24	+1 29	+0 63	+0 27	+0 17	+2 06
7 "	+0 54	+0 56	+0 54	+0 56	+0 31	+1 46	+1 31	+0 50	-0 75	-0 36	-0 19	-0 40	+0 35
8 "	+0 12	-0 09	-0 60	-1 27	-1 77	-1 44	-1 46	-1 94	-1 97	-0 91	-0 33	-0 76	-1 01
9 "	-0 23	-0 58	-1 52	-2 40	-3 05	-3 45	-3 39	-3 56	-2 82	-1 64	-0 74	-0 84	-2 03
10 "	-0 49	-1 11	-2 10	-2 96	-3 39	-4 33	-4 35	-4 20	-3 47	-2 50	-1 03	-1 11	-2 66
11 "	-0 70	-1 70	-2 45	-3 88	-4 63	-5 14	-4 90	-4 61	-3 83	-3 06	-1 16	-1 36	-3 02

One of the uses of Table III is to supply from less frequent observations at the same station in other years, so as to render them