

1833

Evening

Morning

1832	Evening 10 th			Morning 10		
January	E	A	Bar	E	A	Bar
1 ♀	37	41	29.98	36.5	39.8	30.16
2 ♀	40.9	40	29.90	49.5	42.3	29.63
3	47	43.8	29.68	44.2	43.8	29.79
4	49	44.8	29.69	48	45.2	29.61
5 0	49	46	29.39	49	46.1	29.07
6	40	46	28.90	36.8	43	29.15
7	40.7	42	28.90	41.6	42.8	29.00
8	43.2	42.8	29.12	40.7	41.7	28.97
9	40.1	42	28.67	42.6	41.9	28.69
10	43.1	42.9	28.70	43.1	42.2	28.83
11	40.7	42.5	28.76	43	42.4	28.80
12 0	41	42.8	29.05	42	41.8	29.08
13	39	42.1	29.09	41	41	29.18
14	41	41.9	29.15	38.2	41	29.12
15	46.5	43.8	28.73	43.2	43	29.86
16	40.9	43	28.99	44.1	43.1	28.65
17	40.9	43.5	28.67	42.4	43	29.10
18	38	43	29.32	37	40.8	29.28
19 0	37	41	29.40	40.2	40	29.51
20	47.1	42.2	29.26	49.1	44	29.30
21	48	45	29.21	43.2	44.5	29.23
22	43.2	44.5	29.23	45.7	47	29.17
23	48.6	47.3	29.30	45.5	46.5	29.39
24	42.5	45.8	29.50	43.8	44.8	29.81
25	46	45.1	29.51	47.5	46.2	29.38
26 0	36.8	44	29.49	40	42.1	29.50
27	40	41.4	28.99	39.2	41.2	29.19
28	36.5	40	29.81	35	39	30.16
29	39.8	40.8	30.00	46.8	41.5	29.77
30	47.5	45	29.60	48	44.8	29.38
31	40	43.5	29.65	39.9	41.9	29.81
Mean	42.39	43.21	29.28	42.80	42.85	29.34

28?

 $\frac{8.64}{29.28}$

86.8

 $\frac{10.57}{29.34}$
 $\frac{959}{29.309}$

1834

Evening

Morning

February

E

A

Bar

E

A

Bar

1	34	41.4	29.83	313	38.2	29.66
20	38.7	40	29.44	46	41	29.40
3	45.4	43	29.35	41	41.9	29.42
4	36.3	41.2	29.40	46.5	42	29.17
5	35	41.1	29.44	37	39.9	29.51
6	32	39	29.71	37.9	38.5	29.79
7	41.5	40.5	29.81	41.6	40.9	29.89
8	39	41.3	29.96	42.8	41.1	30.11
9 0	38.7	41.5	30.06	42.5	42	29.90
10	35.2	41.3	29.86	42.2	40.9	29.71
11	41.9	42	29.27	37.2	41	29.28
12	38	41.2	29.53	40.2	40.2	29.85
13	47	43.1	29.96	47.2	43.8	30.11
14	44	44.2	30.16	46.4	44	30.16
15	45.4	45	30.20	44.5	44.5	30.19
16 0	43.5	44	30.00	47	44	29.90
17	47.3	45	29.80	48.3	45	29.67
18	48	46	29.39	43.9	45.9	29.43
19	34.4	43.1	29.62	39.9	41.2	29.69
20	38	43	29.54	40.7	41.7	29.84
21	37	42.1	30.01	42	41	29.85
22	48.1	43.9	29.73	46.1	44.1	29.72
23 0	39.8	44.5	29.84	45.3	43.5	29.60
24	35	43.2	29.86	44	42	30.02
25	42.5	43.9	30.00	50.1	44.1	29.85
26	50	46	29.60	44	45.2	29.70
27	36.5	43.3	29.63	42.4	43	29.99
28	47.5	45	29.98	55.3	46.8	29.94

Mean

40.35

42.80

29.75

43.37

42.41

29.76

¹⁴
20.98
29.75

¹⁶
21.37
29.76

1834	Evening			Morning		
Month	E	A	Bar	E	A	Bar
1	46.2	48.9	30.00	47.3	47.8	30.06
2	44.2	48	30.10	48.8	46.5	29.94
3	48	47.8	29.67	53	48	29.50
4	54	49.9	29.04	49	48	29.16
5	38.2	46	29.18	41	43.6	29.30
6	38.2	43.6	29.48	47	43.4	29.69
7	41.7	45	29.77	49.3	45.7	29.70
8	46	46	30.01	50.9	46.3	30.10
9	48	47.5	30.07	52.7	47.8	30.10
10	49	49	30.13	53.3	48.1	30.16
11	48.5	49	30.20	53.2	48.8	30.28
12	47	49	30.20	53.1	48.2	30.15
13	46.7	49.4	30.18	47.9	48.1	30.30
14	36.8	48	30.37	41	46	30.39
15	34.9	46.1	30.40	40	45	30.39
16	37	46.6	30.35	46	43.8	30.30
17	39	46	30.30	42.2	44.8	30.32
18	41	45	30.31	45	44	30.30
19	34	42.6	30.21	44.2	42.5	30.24
20	34.8	45	30.24	45.5	43.6	30.17
21	41	45.9	29.96	45	45	29.73
22	40	45.7	29.80	49.9	45.2	29.49
23	43	46.1	29.54	45.2	44.9	29.67
24	39.3	44.5	29.74	43.2	44	29.83
25	38	44.6	29.97	45.1	42.9	29.94
26	42.8	45.7	29.84	49.6	45.9	29.65
27	40.2	46	29.56	48.4	46	29.00
28	37.2	45.2	29.21	39.2	43.2	29.30
29	36.1	44	29.50	41.9	41.8	29.50
30	32.6	43.1	29.67	42	41	29.59
31	39	43	29.80	47	42.3	29.90
Mean	41.37	46.20	29.90	46.70	45.28	29.88
			29.85			29.85
			29.90			29.88

1834	Evening			Morning		
April	E	A	Bar	E	A	Bar
1	48	44.9	29.87	52	45.5	29.92
2	49	47	29.91	46.8	46	30.21
3	40	46	30.27	49.8	46	30.23
4	44	48	30.19	48	47	30.14
5	44	48	30.13	49.8	47	30.13
6	44.5	48	30.07	54	47.5	30.07
7	44	48	30.07	46	47	30.12
8	40.5	47	30.10	41.3	44	30.13
9	41	44	30.13	44	43	30.19
10	38	43	30.25	44	41	30.18
11	36	41	30.09	46	43	30.15
12	36	43	30.05	46.4	45	30.07
13	36	42	30.08	47	42.4	30.02
14	45	45	29.96	47	45	29.99
15	44	45	30.07	54	46	30.07
16	46	48	30.07	50.5	47	30.04
17	41	48.7	30.04	51	48	30.04
18	43.2	49.2	30.05	55.2	50.3	30.10
19	40	50	30.11	55.8	49.5	30.11
20	44.1	52.7	30.11	56	50.7	30.14
21	41.4	52.5	30.17	60.3	51.2	30.12
22	48.6	55	30.09	54.8	52.5	30.09
23	47.5	54.9	30.16	55	52.9	30.16
24	38.6	52.8	30.10	52.5	51.5	30.00
25	47.5	52.4	29.95	53.2	51.2	29.81
26	47.8	51.3	29.62	58.2	50.9	29.35
27	43.8	50.2	29.18	40.9	48.1	29.08
28	38.8	46	29.20	40	44.7	29.29
29	42	45.1	29.30	46	45.5	29.28
30	45	47	29.30	51	47.3	29.39
			28.67 ^{7 13}			28.62 ^{8 14}
Mean	42.84	48.19	29.96	49.72	47.23	29.95
			29.96			29.95

1836	Evening			Morning		
May	B	A	Bar	E	A	Bar
1	49.1	50.1	29.47	58	50	29.46
2	47.2	51.8	29.50	59.5	52	29.58
3	50.5	53.3	29.50	63.2	54.3	29.40
4	55.5	56	29.40	62.7	56	29.47
5	52.3	56.1	29.69	61.2	56	29.82
6	56.8	58	29.83	61	57	30.00
7	56	57.9	30.03	57.4	57	29.91
8	53.8	57.3	29.66	56.6	56.1	29.65
9	41.5	53	29.69	54.4	53.1	29.69
10	47	53	29.60	49.5	51.8	29.36
11	50.5	52.7	29.27	60.8	53.9	29.30
12	45.2	55.2	29.40	58	54	29.40
13	48.5	55	29.37	57	54.8	29.40
14	50.4	55.9	29.51	56	55.1	29.70
15	50.1	50.8	29.84			
16	48	55.9	29.47	55.1	55.1	29.20
17	43.5	54	29.10	53	52	29.10
18	44.7	52.9	29.26	57.8	51.7	29.40
19	42	50.9	29.76	52	50.8	29.88
20	42.7	50.7	30.16	56	51	30.34
21	47	53.2	30.34	59.3	52.2	30.27
22	48.1	55	30.19	58.1	54.5	30.18
23	47.3	56.8	30.25	63.1	57.3	30.28
24	53.5	59	30.33	58	57	30.35
25	49.4	56.9	30.29	55.4	56.9	30.27
26	49.9	56.9	30.27	64.8	57	30.26
27	54.8	60	30.18	65.3	58.8	30.12
28	52	60	30.01	64.7	58.5	29.93
29	49	61	29.87	62.5	61	29.92
30	50.8	60	29.96	64.7	60.5	30.01
31	58.3	61	30.09	62	61	29.94
Mean	49.44	55.66	29.78	58.66	55.29	29.78
			24.29 29.78			23.59 29.79

1834	Evening			Morning		
June	F	A	Bar	F	A	Bar
1	59.2	61	29.57	62.8	61.3	29.79
2	55.5	60	29.71	—	—	—
3	50	60.1	29.69	60	58.8	29.58
4	48.2	58	29.55	62	57.5	29.70
5	51.6	57.3	29.57	61	57.9	29.95
6	52.8	60.1	29.98	65.1	69.1	29.90
7	55.4	59	29.79	68	58.7	29.60
8 ①	54.1	60.2	29.62	61	58.9	29.38
9	51.6	59.2	29.38	61.3	58.4	29.33
10	44.7	57.1	29.30	53.7	55.5	29.29
11	44.8	55.8	29.37	58.6	55	29.38
12	46.9	56.7	29.32	58.4	56	29.43
13	53	57	29.44	67	58.9	29.19
14	48.3	58.1	29.45	60	57.1	29.50
15 ①	54.7	58.1	29.26	48.2	55.3	29.01
16	50.6	55.2	29.37	55	55	29.49
17	57.8	56.3	29.66	60	55.5	29.56
18	47.6	55	29.70	57.9	54.8	29.64
19	53	56.3	29.62	59.8	56.9	29.78
20	53.8	56.1	29.50	62.1	57	29.39
21	53.1	58.8	29.54	54.5	57.5	29.65
22 ①	47.2	57.2	29.85	60.8	56.9	29.88
23	53.9	57.1	29.84	67.2	57.2	29.80
24	54	60.4	29.94	64.5	59	29.90
25	57.2	59.9	29.82	60.3	59.5	29.80
26	53	59.8	29.90	61	58.9	30.09
27	51.4	60	30.09	63.6	59.1	29.89
28	52.7	58	29.86	62.5	58.9	30.07
29 ①	51.8	59.3	30.22	65.8	60.1	30.26
30	49.8	59.5	30.27	61.2	60	30.19
			^{17 13} 20.68	^{15 15} 60.58 19.42		
Mean	51.83	58.21	29.69	60.58	57.82	29.68
			29.69			29.67

1884	Evening			Morning		
July	E	A	Bar	E	A	Bar
1	50.9	60.4	30.09	63	61	30.00
2	51	62.5	29.95	64.4	62	29.95
3	54.6	64	29.98	70.3	64.1	30.00
4	58.2	65.3	29.99	65	65.1	29.94
5	58.4	65.2	29.88	67.2	65.1	29.81
6	58	66.1	29.75	67.1	65.1	29.62
7	57.2	65.2	29.61	57.5	64.2	29.69
8	54	61.1	29.91	65.4	62.2	29.96
9	56	62	29.82	62.5	61	29.60
10	55	62.9	29.69	66.2	61	29.69
11	56	59.9	29.44	64.3	60.3	29.33
12	52.7	59	29.39	62.7	59.6	29.48
13	52.3	60	29.60	69	60.3	29.69
14	57.1	61.5	29.87	63	60.9	29.81
15	59	61.9	29.89	67.2	61.1	29.88
16	62	57	29.89	55.9	60.9	29.95
17	53	59	29.87	57	58.2	29.71
18	53	58.1	29.63	52.2	57.2	29.58
19	55.1	56.8	29.49	59.4	57.1	29.48
20	58	59.2	29.55	65	59.2	29.60
21	54	61.3	29.70	70.5	62.1	29.77
22	59.2	63.3	29.88	67	63	29.90
23	53	61	29.96	64.7	61.7	29.94
24	50.9	60.1	29.90	67.1	61.9	29.87
25	57.2	61.9	29.73	57.2	61.1	29.58
26	53	59.6	29.57	63.7	60.1	29.70
27	57.7	61.1	29.83	57.9	60	29.91
28	57	61.3	29.95	61.8	60.2	29.88
29	59	63	29.87	66.4	62	29.74
30	61.5	66.5	29.75	70.2	66	29.76
31	64	69	29.70	72.1	67.9	29.78
Mean	56.00	61.78	29.78	64.00	61.67	29.76

24.16
29.78

20.5.8
29.76

1834	Evening			Morning		
August	E	A	Bar	E	A	Bar
1	61.4	68.2	29.80	72.9	68.2	29.79
2	60	68.2	29.72	73.6	68.9	29.64
3	60.2	68	29.62	68	66.8	29.60
4	59.2	65	29.50	65.6	65.5	29.30
5	57	65	29.40	64.2	63.9	29.40
6	56.2	63.8	29.49	65	63.3	29.54
7	59.1	64.2	29.50	66.2	64	29.58
8	58.6	63.8	29.80	66.1	63	29.91
9	55.2	64.9	29.95	66	63	29.83
10	58.8	63	29.65	65.1	63.2	29.64
11	63.1	64.7	29.70	67.3	64.1	29.63
12	64	65.4	29.48	64	64	29.69
13	53	63.7	29.92	66.2	62.8	29.92
14	56	63	29.95	66.1	64	29.99
15	58	63.5	30.02	67.2	64.9	30.02
16	57.2	64.6	30.00	68.7	65	29.94
17	60	66	29.88	57.9	64	29.88
18	48.5	58.2	29.90	59.8	60.8	29.85
19	55	61.1	29.64	60.3	61.1	29.49
20	54.2	60.9	29.57	53.5	59.2	29.39
21	47	57	29.39	52.5	57	29.30
22	45.9	55.4	29.47	56	56	29.52
23	45.8	55.1	29.59	54	54.6	29.58
24	47.1	54.3	29.50	55	55.7	29.50
25	49.1	55.4	29.63	54	55.8	29.67
26	43.2	54.3	29.69	52.7	53.8	29.64
27	44	53	29.67	54.2	53.5	29.56
28	53.6	56.8	29.31	59.9	57.9	29.14
29	52	57.2	29.16	55.2	56	29.21
30	58.3	58.8	29.28	54.7	57.1	29.33
31	56.8	58	29.41	59	58	29.50
Mean	54.39	61.25	29.63	61.76	61.12	29.61
			19.59 29.63			19.00 29.61

1832	Evening			Morning		
September	E	A	Bar	E	A	Bar
1	49.8	56.9	29.50	59.1	56	29.57
2	50.2	56	29.63	57.9	56	29.63
3	51	56.1	29.64	57	55.7	29.60
4	51	58	29.41	59.3	57.5	29.29
5	55.8	57.8	29.32	57.2	56.8	29.79
6	52	58	29.91	57.5	56.8	29.86
7 0	53.8	56.8	29.60	54.3	56	29.41
8	52	56	29.27	56.5	55.8	29.24
9	54	56	29.37	56.5	55.8	29.37
10	52	55.8	29.33	57.0	55.8	29.47
11	51	56.5	29.61	57	55.0	29.91
12	45.3	55	30.20	55	53.8	30.27
13	47	56	30.23	60	55.8	30.25
14 0	53.8	59	30.16	60.6	57.5	30.08
15	53.7	60	29.90	57	57.8	29.81
16	58	60	29.69	63.8	59	29.70
17	60	61	29.76	65	60.8	29.91
18	59	60	29.90	64	61	29.91
19	60.8	61	30.05	63	61	30.13
20	68	62	30.19	59.8	61.2	30.20
21 0	52	61	30.15	58.5	60.0	30.09
22	47	58.2	30.02	56.8	57.2	30.00
23	53.1	57.3	29.97	57.2	57.9	29.92
24	55	58	29.90	56.8	57.9	29.86
25	56	57.6	29.72	61	57.9	29.61
26	58	59	29.56	60.8	58.1	29.60
27	52	58.3	29.73	59	57.9	29.89
28 0	52.1	57.9	29.95	59.5	58.1	29.99
29	54.9	58	29.94	58.9	57.6	29.87
30	53.7	57.1	29.89	60.2	59.5	29.88
			23.50			24.09
mean	53.67	58.01	29.78	58.92	57.59	29.80
			29.78			29.80

1834

Evening

Morning

October

E

A

Bar

E

A

Bar

1	54.1	59	29.80	56.5	57.5	29.75
2	56.6	59.2	29.80	58.5	59.8	29.98
3	58.3	60	29.91	58	59.2	29.83
4	57	60.7	29.82	54	59	29.97
5 0	53.8	58.2	30.02	—	60	29.87
6	57	59.2	29.89	61	59.8	29.79
7	59.1	59.8	29.68	61.3	59.9	29.60
8	58	60	29.55	—	—	—
9	47	56.2	29.60	50	55	29.78
10	43	54.1	29.86	51.5	53.9	29.87
11	57.3	54.9	29.86	51	53.2	29.80
12 0	55.4	55	29.76	57.2	56	29.61
13	52	55.8	29.47	48.9	52.9	29.58
14	44.3	53.8	29.49	50.4	53.2	29.42
15	44.1	52	29.49	57.4	53.2	29.07
16	48.1	52.6	29.10	48.3	52.2	29.23
17	41.1	50.1	29.39	45	49.9	29.54
18	38.4	48.8	29.72	57	49.2	29.46
19	54	52	29.24	52.2	54	29.27
20	48	52.8	29.45	55.6	51.8	30.08
21	46.1	50.7	29.92	53.1	51.8	29.70
22	51.2	51.9	29.61	57.1	52	29.54
23	40	48.4	29.74	36.5	—	29.90
24	38	44.8	30.03	44	45.2	30.13
25	39.1	45.2	30.20	45	47.1	30.32
26	45.1	47.2	30.32	52	48.1	30.31
27	49.1	49.8	30.36	49.2	49.1	30.38
28	42.2	48.8	30.42	47.5	48.2	30.43
29	44.9	48.1	30.30	49.1	49	30.09
30	52.4	50	29.93	52.5	50.6	29.87
31	50.9	50.7	29.80	50.9	50.3	29.77
	49.18	53.21	29.79	51.99	53.19	29.79

19.11
24.61
29.70

26.18
28.94
29.80

1834	Evening			Morning		
November	E	A	Bar	E	A	Bar
1	29	50.3	29.70	57.5	51	29.69
2	50.7	52	29.66	57	57.2	29.63
3	29	52.3	29.61	54.5	52.2	29.57
4	54.5	53.1	29.10	54.8	52	28.96
5	53.8	53.8	28.82	46.2	53	29.26
6	42.1	52	29.40	41	48.1	28.88
7	42.3	29	28.57	46.8	49.1	28.93
8	41	47.9	29.30	42.1	45.9	29.55
9	41.1	45.1	29.76	39	46	29.90
10	41	45.8	30.00	41.1	44.8	30.10
11	40.5	45.2	30.12	43.8	45.1	30.14
12	40.4	45	30.12	43	43.9	30.18
13	39.1	44	30.33	40.7	43.3	30.40
14	45.6	45	30.38	48.1	45.2	30.31
15	46.2	46.2	30.32	47.1	46.1	30.28
16	46.1	46.5	30.17	29	46.2	30.01
17	48.1	47.8	29.99	50	48	29.99
18	49	48.5	30.00	48.2	47.9	30.01
19	45	47	29.99	44.5	46	29.94
20	44	46	29.93	42	45	29.64
21	40.4	44.5	29.62	41.9	44.1	29.68
22	38	43.5	29.80	34.5	41.5	29.96
23	32	42	29.99	36	40.8	29.92
24	41	42	29.81	39.2	42	29.69
25	34.7	41.2	29.61	41	41.7	29.61
26	46	44	29.62	46	44.8	29.61
27	48	45.7	29.46	46.1	45.4	29.07
28	40.8	44.8	28.81	45.7	44.9	28.76
29	45	45.1	29.09	38.5	43.8	29.42
30	45	44	29.00	44	45.1	28.83
			^{15.18} 20.10			^{11.12} 19.86
Mean	42.08	46.31	29.67	44.58	43.57	29.66
			29.67			29.66

1834

Evening

Morning

December

F

A

Ba

F

A

Ba

1	45.1	44.8	28.97	45.9	44.9	29.49
2	45.8	45.8	29.65	49.2	46.2	29.76
3	49	47.2	29.74	50	47.2	29.64
4	50.1	48.2	29.70	52.3	48.8	29.67
5	53	50.2	29.68	53.8	50	29.61
6	49.5	50.5	29.69	51	50	29.50
7	44	49	29.57	40.5	45	29.97
8	41.9	46	30.29	42.6	44.8	30.20
9	43.8	45.3	29.90	37.7	43.2	30.20
10	39.8	44	30.30	39.5	41.9	30.28
11	44.7	43.1	30.28	42.7	43.2	30.30
12	36.2	42.6	30.25	35.2	40.8	30.26
13	40.7	42	30.34	43.5	42.8	30.43
14	43	43	30.48	43.7	43	30.54
15	44.6	43.3	30.54	44.9	43.9	30.51
16	44	44	30.38	45.1	43.6	30.27
17	35.9	42	30.30	33	40.2	30.32
18	33.6	40.2	30.35	31.9	38.9	30.37
19	37.2	40	30.31	40	40.1	30.24
20	38.2	41.1	30.19	38.8	40	30.19
21	39.1	41.9	30.31	37	39.9	30.42
22	34.7	40	30.40	36	38.3	30.39
23	37	39	30.31	38.6	39.5	30.25
24	40	40	30.20	40	40	30.24
25	36	40	30.25	39	40	30.25
26	43.7	41	30.30	43.2	41.5	30.16
27	42.2	41.7	30.04	43.7	42	29.88
28	44	42.3	29.77	49	44	29.60
29	57	46	29.36	52.1	47.1	29.30
30	54	49.2	29.20	53	49.8	29.21
31	40.7	45.1	29.56	40	44	30.17

Mean

41.69

43.83

30.01

42.10

43.35

30.01

¹³⁴
~~37.31~~
 30.01

¹³
~~52.62~~
 30.01

30.52

	Evening			Morning		
	E	A	Ba	E	A	Ba
1836	Mean of Each Month					
Jan ^y	42.39	43.21	29.28	²⁸⁰ 42.09	42.85	29.34
Feb	40.35	42.80	29.75	43.37	42.41	29.76
March	41.37	46.20	29.90	46.70	45.28	29.88
April	42.84	48.19	29.96	49.72	47.23	29.95
May *	49.44	55.66	29.78	58.66	55.29	29.78
June *	57.83	58.21	29.69	60.58	57.82	29.68
July *	58.00	61.78	29.78	64.00	61.67	29.76
August	54.39	61.25	29.63	61.76	61.12	29.61
Sept *	53.67	58.01	29.78	58.92	57.59	29.80
Octob *	49.18	53.21	29.79	57.99	53.19	29.79
Novem	44.05	46.31	29.67	44.58	43.57	29.66
Decemb	41.69	43.83	30.01	42.10	43.35	30.01
Summ	52.42	58.02	29.74	59.32	57.95	29.74
Wint	42.12	45.09	29.76	44.93	44.11	29.77
Yea	47.27	51.55	29.75	52.75	51.03	29.75
				52.10		

Mean of Morning and Even
 Extremal T = 50.01
 Att T = 51.27
 Ba = 29.75
 +