

ROYAL OBSERVATORY, GREENWICH.

APPENDIX

TO THE

MAGNETICAL AND METEOROLOGICAL
OBSERVATIONS,

1877.

MEAN TEMPERATURE OF THE AIR AT EVERY HOUR OF THE
DAY, IN EACH YEAR FROM 1849 TO 1868.

GREENWICH MAGNETICAL AND METEOROLOGICAL OBSERVATIONS, 1877.

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It having been suggested that a table showing the Mean Temperature of the Air at every hour of the day, in each year from 1849 to 1868, would be a desirable addition to the tables contained in the "REDUCTION OF GREENWICH METEOROLOGICAL OBSERVATIONS, 1847 TO 1873," the annexed table, giving such particulars, has since been prepared. It was formed by re-arranging the numbers given in TABLES XXXVIII. TO XLIX. of the above-mentioned work, so as to bring together all the months in each individual year, and then taking the means of the monthly values at every hour of the day throughout each year. The table is analogous, for Temperature, to TABLE XIX. for the Barometer, included in the same work.

(lxxiv)

HOURLY MEAN TEMPERATURE OF THE AIR, 1849 TO 1868,

MEAN of the MEAN MONTHLY VALUES of the TEMPERATURE OF THE

Year.	Aggregate Number of Days employed.	Midnight.	1 ^h a.m.	2 ^h a.m.	3 ^h a.m.	4 ^h a.m.	5 ^h a.m.	6 ^h a.m.	7 ^h a.m.	8 ^h a.m.	9 ^h a.m.	10 ^h a.m.	11 ^h a.m.
1849	309	47°05	46°77	46°50	46°25	46°09	46°17	46°82	48°08	49°53	51°39	52°85	54°00
1850	357	46°14	45°83	45°52	45°23	45°05	45°12	45°77	46°95	48°46	50°21	51°97	53°34
1851	364	46°00	45°63	45°27	45°06	44°88	44°90	45°50	46°78	48°34	50°19	51°83	53°31
1852	339	47°17	46°89	46°55	46°36	46°24	46°28	46°76	47°92	49°39	51°36	53°20	54°58
1853	315	44°55	44°31	44°09	43°86	43°68	43°74	44°32	45°50	46°87	48°43	49°84	50°90
1854	352	45°55	45°13	44°79	44°47	44°24	44°27	44°76	45°92	47°64	49°94	51°90	53°53
1855	336	43°85	43°52	43°22	42°96	42°85	42°85	43°28	44°42	46°02	47°91	49°77	51°10
1856	346	46°03	45°72	45°38	45°00	44°82	44°83	45°34	46°56	47°93	49°88	51°55	52°81
1857	341	47°66	47°30	46°98	46°67	46°48	46°49	47°04	48°40	50°16	52°18	54°01	55°52
1858	326	45°88	45°42	45°04	44°78	44°59	44°72	45°37	46°50	48°20	50°25	52°16	53°76
1859	325	47°37	47°12	46°79	46°57	46°40	46°50	47°10	48°13	49°63	51°53	53°29	54°86
1860	331	44°69	44°42	44°14	43°97	43°78	43°88	44°31	45°34	46°57	48°15	49°67	50°91
1861	297	46°65	46°28	46°07	45°82	45°69	45°86	46°45	47°52	48°99	50°74	52°28	53°75
1862	283	46°31	46°07	45°84	45°67	45°54	45°65	46°17	47°06	48°35	49°78	51°15	52°33
1863	330	47°28	46°87	46°52	46°28	46°16	46°27	46°93	48°20	49°70	51°54	53°07	54°51
1864	347	45°45	45°05	44°73	44°40	44°20	44°23	44°80	46°01	47°70	49°54	51°27	52°93
1865	358	47°16	46°76	46°39	46°14	45°90	45°87	46°58	47°87	49°30	51°33	53°41	55°20
1866	356	47°20	46°84	46°61	46°35	46°19	46°30	46°90	48°09	49°49	51°18	52°81	54°15
1867	346	45°60	45°30	45°06	44°83	44°64	44°71	45°37	46°65	47°94	49°54	51°08	52°42
1868	360	48°08	47°62	47°28	47°02	46°79	46°93	47°68	49°34	50°96	53°02	54°94	56°50
Means	Sum 6718	46°28	45°94	45°64	45°38	45°21	45°28	45°86	47°06	48°56	50°40	52°10	53°52

In the month of September 1862, the photographic records were not sufficiently complete to be used. The values given

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 And at every HOUR of the DAY, for each YEAR from 1849 to 1868.

Noon.	1 ^h p.m.	2 ^h p.m.	3 ^h p.m.	4 ^h p.m.	5 ^h p.m.	6 ^h p.m.	7 ^h p.m.	8 ^h p.m.	9 ^h p.m.	10 ^h p.m.	11 ^h p.m.	Yearly Means.	Year.
°	°	°	°	°	°	°	°	°	°	°	°	°	
55.25	55.72	55.79	55.58	54.79	53.42	52.05	50.66	49.40	48.46	47.89	47.41	50.33	1849
54.42	55.00	55.25	55.02	54.23	52.99	51.52	50.12	48.83	47.86	47.16	46.63	49.53	1850
54.46	55.13	55.25	54.83	53.92	52.67	51.33	49.83	48.60	47.65	46.97	46.42	49.36	1851
55.81	56.54	56.67	56.28	55.37	53.96	52.48	50.98	49.69	48.71	48.12	47.56	50.62	1852
51.99	52.56	52.78	52.27	51.55	50.42	49.09	47.82	46.70	45.83	45.20	44.74	47.54	1853
54.84	55.63	55.88	55.54	54.42	53.05	51.51	49.87	48.48	47.40	46.64	46.10	49.23	1854
52.33	52.97	53.10	52.58	51.70	50.55	49.17	47.64	46.35	45.31	44.62	44.16	47.18	1855
54.06	54.59	54.84	54.41	53.44	52.19	50.92	49.56	48.42	47.53	47.02	46.53	49.14	1856
56.76	57.38	57.57	57.20	56.18	54.72	53.22	51.74	50.38	49.27	48.60	47.97	51.24	1857
55.09	55.78	55.94	55.51	54.43	53.03	51.62	50.13	48.82	47.73	46.89	46.28	49.50	1858
56.09	56.81	57.02	56.68	55.72	54.34	52.87	51.43	49.97	48.92	48.33	47.79	50.89	1859
52.08	52.64	52.75	52.51	51.58	50.37	49.23	47.95	46.78	45.93	45.38	44.98	47.58	1860
55.15	55.72	55.93	55.67	54.61	53.32	51.96	50.49	49.21	48.22	47.56	46.96	50.04	1861
53.51	53.92	54.07	53.83	53.08	52.11	51.05	49.73	48.66	47.77	47.17	46.67	49.23	1862
55.94	56.48	56.75	56.43	55.28	53.91	52.46	51.12	49.92	48.86	48.11	47.53	50.67	1863
54.38	54.89	55.14	54.82	53.82	52.62	51.16	49.58	48.28	47.36	46.70	46.04	48.96	1864
56.58	57.24	57.43	56.98	56.06	54.89	53.38	51.57	50.08	49.00	48.31	47.67	50.88	1865
55.20	55.82	55.85	55.50	54.67	53.72	52.37	50.86	49.54	48.58	48.02	47.43	50.40	1866
53.51	54.03	54.18	53.82	53.07	51.99	50.66	49.24	48.06	47.12	46.52	46.00	48.81	1867
57.86	58.30	58.46	58.17	57.23	56.02	54.36	52.71	51.26	50.04	49.26	48.66	52.02	1868
54.77	55.36	55.53	55.18	54.26	53.01	51.62	50.15	48.87	47.88	47.22	46.68	49.66	..

in the above table for the year 1862 are the means of the monthly values for the remaining eleven months of the year.