

TABLE I.

Of Mean daily Maximum excess for each month of the Radiation Thermometer over the Temperature in the Shade; and of the Maximum excess for each month.

MONTHS.	No. of Days on which Observ. were made.	No. of Hours at which Observ. were made.	Mean of daily maximum excess of Black-bulb Thermometer.	Mean Temp. in the Shade at the Hours of Observation.	Maximum excess in the month of the Black-bulb Therm.	Temp. in the Shade at the time when the preceding maximum occurred.	REMARKS.
1825.							
Oct.	8	53	9.00	+ 19.63	23.5	+ 25.0	Black bulb thermometer not protected by glass, and only sheltered from northerly winds by Observatory.
Nov.	19	69	12.31	+ 2.31	35.0	— 5.5	
Dec.	23	77	11.04	—15.67	23.0	+ 14.5	
1826.							
Jan.	20	49	16.12	—24.61	43.0	—38.5	
Feb.	28	196	25.58	— 8.93	57.9	—15.0	
March,	31	297	34.22	— 5.50	65.0	— 8.4	
April,	30	269	24.99	+ 20.20	51.0	+ 34.9	
1827.							
May	38	336	35.62	+ 44.05	49.3	+ 50.2	Black-bulb thermometer enclosed in a thin glass bottle.
July,	23	111	28.02	+ 57.46	38.5	+ 61.5	
August,	31	155	26.12	+ 56.32	41.5	+ 55.5	
Sept.	24	144	25.14	+ 45.70	42.0	+ 31.0	
Nov.	30	120	10.74	+ 3.57	33.5	+ 6.5	
Dec.	31	70	7.05	— 8.89	24.0	+ 2.0	
1827.							
Jan.	31	126	15.29	—22.65	38.3	+ 22.2	
Feb.	28	150	34.58	—19.65	53.2	—17.2	
March,	31	217	45.16	+ 1.01	68.0	+ 17.0	
April,	30	210	53.18	+ 16.15	70.0	— 2.5	

Note.—In October, November, December 1825, and January 1826, the observations were recorded only when the sun shone out favourably; in the following months, up to May inclusive, almost regularly at the stated hours. In July and August 1826, they were made at intervals of three hours; and from September 1826 to May 1827, six, and latterly seven, daily observations were made throughout each month.

The maximum excess of the radiation thermometer in the first sixteen days of May 1827 was 50°.2, and the mean of the maxima for the same time was 33°.85.