

TABLE I.

SHOWING THE AMOUNT OF RAIN IN EACH MONTH SINCE 1850; AND THE TOTAL AMOUNT IN EACH RAINY SEASON. NOTE—EACH COLUMN REPRESENTS ONE RAINY SEASON.

| MONTH | 1851 | 1852 | 1853 | 1854 | 1855 | 1856 | 1857 | 1858 | 1859 | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | 1870 | 1871 | 1872 | 1873 | 1874 | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| August.. | .1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Sept..... | 1.0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| October.. | .2 | .8 | .1 | 2.1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| Nov..... | 2.2 | 5.3 | 1.4 | .4 | 1.2 | 2.9 | 3.0 | 5 | 5.4 | 2 | 3.8 | 1 | 2.5 | 7.6 | 3.1 | 2.7 | 3.1 | 1.2 | 1.24 | 4.0 | 2.27 | 2.90 | 1.25 | 5.41 | |
| Decemb'r | 7.1 | 11.9 | 2.1 | .4 | 5.4 | 4.2 | 4.8 | 1.5 | 4.8 | 6.1 | 2.7 | 1.7 | 6.9 | .6 | 13.1 | 12.1 | 4.3 | 4.50 | 3.04 | 13.40 | 7.80 | 9.59 | .30 | | |
| January | .6 | 4.1 | 4.3 | 4.5 | 8.4 | 2.1 | 4.4 | 1.0 | 1.1 | 1.2 | 18.1 | 3.3 | 1.3 | 3.0 | 11.0 | 6.6 | 9.6 | 6.4 | 3.76 | 2.34 | 6.50 | 2.27 | 5.33 | 7.13 | |
| Feb..... | 1.1 | 1.2 | 8.4 | 4.6 | .5 | 8.6 | 1.3 | 5.2 | 1.4 | 2.8 | 6.1 | 3.3 | ..... | .8 | 1.5 | 6.2 | 6.2 | 4.0 | 4.53 | 3.55 | 7.90 | 3.40 | 2.49 | .34 | |
| March.... | 6.4 | 4.8 | 3.2 | 4.3 | 1.6 | 1.6 | 3.9 | 2.5 | 3.1 | 3.4 | 1.7 | 2.4 | 1.4 | .6 | 2.6 | 2.2 | 6.2 | 3.2 | 1.84 | 1.24 | 1.53 | .74 | 3.56 | 1.30 | |
| April.... | .2 | 5.1 | 3.3 | 5.6 | 3.2 | ..... | 1.1 | 3 | 1.7 | 3 | 1.1 | 2.9 | .9 | .7 | 1.1 | 2.2 | 2.2 | 2 | 1.49 | 2.05 | 1.22 | .37 | .89 | 1.0 | |
| May..... | .3 | .3 | .1 | 2.2 | .9 | .1 | 1 | 2.0 | 2.6 | .7 | .9 | .4 | .5 | 4 | 1.8 | 1 | | | 1 | .36 | .31 | | | .40 | .27 |
| June..... | | | | | | | | | | | | | | | | | | | | | | | | | 1.27 |
| July..... | | | | | | | | | | | | | | | | | | | | | | | | | |
| Totals. | 18.2 | 33.5 | 23.0 | 24.1 | 21.2 | 20.0 | 19.0 | 19.8 | 17.1 | 14.6 | 38.0 | 15.2 | 8.5 | 21.3 | 21.2 | 32.0 | 40.5 | 21.6 | 20.08 | 13.08 | 33.10 | 17.58 | 24.07 | 18.93 | |

1850—Nov., 1.3; Dec., 1.1. 1851—Jan., 0.6; Feb., 0.4; March, 1.9; April, 1.1; May, 7. Total, 7.1.

TABLE II.

DATE OF THE FIRST AND LAST RAINS, AND OF THE BEGINNING AND ENDING OF EACH RAINY SEASON; ALSO, THE AMOUNT OF RAIN WHICH FELL BEFORE THE END OF THE YEAR, AND THE AMOUNT AFTER THE END OF THE YEAR, IN EACH SEASON, SINCE 1850.

| YEAR. | First Rain. | Last Rain. | RAINY SEASON. | | Bef'e Jan. | After Dec. | YEAR. | First Rain. | Last Rain. | RAINY SEASON. | | Bef'e Jan. | After Dec. | |
|------------|-------------|------------|---------------|----------|------------|------------|------------|-------------|------------|---------------|----------|------------|------------|-------|
| | | | Begins. | Ends. | | | | | | Begins. | Ends. | | | |
| 1850-51... | Nov. 10 | May 20 | Dec. | 5 May | 1 2.4 | 4.7 | 1864-65... | Nov. 15 | May 19 | Nov. | 23 March | 4 14.9 | 6.4 | |
| 1851-52... | Sept. 6 | May 17 | Dec. | 19 March | 31 10.5 | 7.7 | 1865-66... | Sept. 24 | June 8 | Nov. | 13 March | 31 4.0 | 17.2 | |
| 1852-53... | Oct. 28 | May 12 | Nov. | 9 April | 29 18.0 | 15.5 | 1866-67... | Nov. 3 | May 17 | Nov. | 16 April | 12 15.8 | 16.4 | |
| 1853-54... | Sept. 15 | April 28 | Jan. | 12 April | 28 3.6 | 19.4 | 1867-68... | Sept. 14 | June 23 | Nov. | 19 April | 13 15.9 | 24.6 | |
| 1854-55... | Oct. 4 | May 20 | Dec. | 31 April | 17 2.9 | 21.2 | 1868-69... | Oct. 1 | May 19 | Dec. | 17 March | 29 5.7 | 15.9 | |
| 1855-56... | Nov. 10 | May 25 | Nov. | 10 April | 14 6.6 | 14.6 | 1869-70... | Sept. 1 | May 19 | Dec. | 7 April | 11 8.1 | 12.0 | |
| 1856-57... | Sept. 10 | Mar. 31 | Nov. | 15 March | 31 7.5 | 12.5 | 1870-71... | Nov. 4 | May 28 | Dec. | 2 April | 17 3.5 | 9.3 | |
| 1857-58... | Oct. 6 | May 21 | Nov. | 24 April | 7 8.1 | 10.9 | 1871-72... | Oct. 27 | May 31 | Dec. | 16 April | 18 15.8 | 17.2 | |
| 1858-59... | Oct. 21 | May 22 | Dec. | 4 April | 10 8.8 | 11.0 | 1872-73... | Sept. 17 | April 21 | Nov. | 28 Feb. | 23 10.8 | 6.8 | |
| 1859-60... | Nov. 9 | May 22 | Nov. | 9 April | 8 6.9 | 10.2 | 1873-74... | Oct. 6 | June 22 | Dec. | 3 May | 7 11.4 | 12.3 | |
| 1860-61... | Oct. 4 | May 22 | Dec. | 6 April | 5 6.0 | 8.6 | 1874-75... | Sept. 3 | | Oct. | 8 | | 8.5 | |
| 1861-62... | Nov. 1 | May 12 | Nov. | 10 April | 14 9.9 | 28.1 | 1875-76... | | | | | | | |
| 1862-63... | Nov. 5 | May 19 | Dec. | 18 April | 26 2.9 | 12.3 | Mean..... | ..... | ..... | Nov. | 28 April | 10 8.0 | 13.3 | |
| 1863-64... | Sept. 19 | May 17 | Nov. | 11 April | 4 4.4 | 4.1 | | | | | | | | |

TABLE III.

MAXIMUM QUANTITY OF RAIN IN EACH MONTH, MINIMUM QUANTITY IN EACH MONTH, AND AVERAGE QUANTITY IN EACH MONTH, SINCE 1850.

| | Jan. | Feb. | Mar. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. |
|--------------|------|------|------|--------|------|-------|-------|------|-------|------|------|------|
| Maximum..... | 18.1 | 8.6 | 6.4 | 5.6 | 2.0 | 0.2 | 0.3 | 0.2 | 1.0 | 3.4 | 7.6 | 13.4 |
| Minimum..... | 0.6 | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 |
| Mean..... | 4.8 | 3.3 | 3.0 | 1.7 | .50 | 0.4 | 0.1 | 0.1 | .05 | .37 | 2.4 | 5.0 |

TABLE IV.

MEAN TEMPERATURE OF EACH MONTH SINCE 1850, DEDUCED FROM TWO DAILY OBSERVATIONS, ONE AT SUNRISE, THE OTHER AT NOON; ALSO, THE MEAN TEMPERATURE OF EACH YEAR.

| MONTH. | 1851 | 1852 | 1853 | 1854 | 1855 | 1856 | 1857 | 1858 | 1859 | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| January. | 49.3 | 50.8 | 52.0 | 48.2 | 51.0 | 48.8 | 51.2 | 46.3 | 46.5 | 47.8 | 47.5 | 47.6 | 57.7 | 52.5 | 49.4 | 49.0 | 51.2 | 45.9 | 51.2 | 52.5 | 51.5 | 53.3 | 55.5 | 47.1 | .... |
| February. | 51.1 | 53.1 | 54.1 | 53.6 | 56.8 | 53.7 | 51.4 | 53.1 | 48.8 | 50.5 | 51.1 | 46.7 | 50.9 | 55.9 | 51.0 | 53.4 | 52.0 | 51.9 | 51.2 | 53.5 | 51.0 | 55.0 | 50.0 | 49.1 | .... |
| March.... | 53.8 | 52.9 | 55.5 | 54.1 | 59.4 | 55.9 | 55.9 | 52.0 | 49.0 | 53.0 | 53.7 | 50.2 | 57.8 | 55.6 | 53.3 | 54.3 | 50.5 | 53.5 | 57.4 | 51.5 | 53.2 | 55.6 | 55.1 | 49.8 | .... |
| April.... | 57.7 | 55.4 | 58.3 | 59.8 | 57.7 | 55.9 | 58.8 | 55.7 | 53.6 | 53.0 | 57.1 | 51.3 | 55.7 | 57.9 | 55.5 | 55.8 | 47.5 | 55.3 | 56.5 | 54.8 | 54.0 | 54.4 | 52.4 | 55.7 | .... |
| May..... | 57.0 | 55.1 | 60.7 | 58.5 | 57.7 | 56.2 | 57.5 | 57.6 | 57.2 | 54.0 | 57.5 | 55.5 | 55.7 | 65.8 | 59.2 | 58.0 | 58.3 | 58.0 | 58.5 | 58.4 | 55.3 | 57.3 | 57.5 | 55.1 | 58.0 |
| June..... | 58.8 | 60.4 | 61.9 | 58.5 | 59.9 | 59.1 | 60.9 | 58.7 | 61.5 | 57.9 | 57.6 | 61.2 | 58.2 | 58.3 | 56.1 | 56.2 | 60.2 | 60.0 | 58.4 | 60.0 | 58.4 | 56.5 | 56.0 | 56.2 | 59.0 |
| July..... | 57.9 | 61.4 | 60.0 | 61.3 | 61.2 | 59.4 | 59.2 | 60.7 | 59.3 | 61.3 | 58.5 | 56.1 | 59.7 | 57.6 | 61.1 | 59.6 | 63.2 | 59.6 | 60.2 | 62.4 | 58.0 | 59.7 | 57.5 | 57.9 | .... |
| August... | 63.2 | 61.2 | 60.0 | 60.3 | 62.5 | 59.6 | 59.1 | 61.9 | 61.1 | 62.5 | 58.9 | 62.0 | 61.1 | 60.0 | 60.0 | 59.0 | 60.4 | 59.8 | 59.6 | 64.3 | 59.9 | 59.8 | 58.0 | 59.5 | .... |
| September | 61.9 | 58.7 | 62.7 | 60.7 | 61.6 | 61.7 | 60.6 | 57.8 | 59.7 | 56.8 | 56.0 | 63.1 | 63.3 | 60.0 | 63.3 | 62.1 | 61.3 | 59.9 | 60.0 | 61.5 | 61.4 | 60.0 | 58.7 | 61.3 | .... |
| October... | 56.3 | 53.5 | 57.0 | 58.0 | 52.9 | 53.3 | 54.5 | 54.0 | 53.3 | 52.8 | 54.2 | 56.2 | 57.3 | 56.0 | 57.6 | 56.6 | 56.7 | 57.2 | 56.4 | 55.6 | 45.6 | 58.0 | 56.4 | 56.4 | .... |
| November | 51.3 | 50.8 | 52.1 | 53.8 | 47.6 | 47.0 | 59.5 | 44.8 | 46.3 | 49.2 | 51.7 | 49.5 | 53.7 | 51.0 | 47.2 | 54.7 | 55.3 | 53.2 | 50.7 | 51.0 | 54.7 | 51.3 | 49.0 | 49.6 | .... |
| Mean.... | 56.6 | 56.5 | 58.1 | 57.1 | 57.6 | 55.7 | 57.0 | 55.4 | 54.8 | 55.1 | 55.4 | 55.5 | 57.5 | 57.0 | 56.7 | 57.4 | 57.1 | 56.1 | 56.9 | 56.8 | 54.6 | 55.4 | 55.7 | 54.5 | |

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