

## RAINFALL AT Duffield, Derby

W. Bland.

Rain (By... Leavell.....)

Gauge Diameter 5 in. Height above Ground, 6 in. Above Mean Sea Level, 2007 ft.

Second - 6.

| YEAR.....      | 1866 | 1867  | 1868 | 1869  | MEANS |
|----------------|------|-------|------|-------|-------|
| January .....  |      | 3.06  | 1.77 | 2.92  |       |
| February ..... |      | 1.98  | 2.20 | 2.28  |       |
| March .....    |      | 2.27  | 2.07 | 1.90  |       |
| April .....    |      | 3.27  | 1.64 | 1.51  |       |
| May .....      |      | 1.71  | 1.27 | 4.17  |       |
| June.....      |      | 1.68  | 3.44 | 1.11  |       |
| July .....     |      | 1.92  | .28  | .31   |       |
| August .....   |      | 3.71  | 3.57 | 2.54  |       |
| September ...  | 5.55 | 1.93  | 1.75 | 5.14  |       |
| October.....   | 3.06 | 3.11  | 3.17 | 1.40  |       |
| November.....  | 3.43 | 1.98  | 1.56 | 2.21  |       |
| December.....  | 2.02 | 1.47  | 6.84 | 4.48  |       |
| TOTALS .....   |      | 27.09 | 2650 | 29.97 |       |

c c c c

1867 Aug. 28th 1 am ☀, &amp; R., 2.34 in less than 3 hours.

g. in garden 12 ft from high buildings on E, and 36 ft from high trees on S and W. Returns agree remarkably with a gauge on the lawn of Duffield Hall, about 300 yds distant -

W. Bland.

## RAINFALL AT Derby Duffield

Lat..... Lon..... County of... Derby  
 Rain Gauge, by..... Observer W Bland Esq.  
 Dernent - 6.

| Diameter  | 5     |       |         |       |       |       |       |       |       |       |        |
|-----------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height    | 1     | 10    | 1       |       | 6     | 10    |       |       |       |       |        |
| Altitude  | 200   |       | 180 200 |       |       |       |       |       |       |       |        |
| YEAR      | 1870  | 1871  | 1872    | 1873  | 1874  | 1875  | 1876  | 1877  | 1878  | 1879  | MEANS. |
| January   | 1.89  | .95   | 4.18    | 2.39  | 2.04  | 3.01  | 1.38  | 4.48  | 2.66  | 1.82  | 2.490  |
| February  | 1.64  | 1.93  | 3.37    | .97   | 2.07  | 1.29  | 3.12  | 2.26  | 1.88  | 3.07  | 2.160  |
| March     | 2.04  | 1.27  | 2.17    | 2.50  | 1.47  | .79   | 3.80  | 2.18  | .81   | 1.29  | 1.832  |
| April     | .74   | 3.60  | 2.38    | .56   | 1.60  | .73   | 2.99  | 2.28  | 1.43  | 2.16  | 1.847  |
| May       | 1.17  | 1.92  | 1.62    | 2.87  | 1.08  | 1.93  | .91   | 2.83  | 5.43  | 2.94  | 2.270  |
| June      | 1.53  | 4.21  | 5.78    | 2.56  | 1.07  | 3.04  | 2.30  | 1.72  | 3.30  | 6.42  | 3.196  |
| July      | .91   | 4.06  | 4.66    | 2.56  | 1.81  | 5.88  | 1.27  | 3.65  | .72   | 2.39  | 2.791  |
| August    | 1.12  | 1.18  | 1.96    | 3.19  | 2.74  | 3.54  | 1.70  | 5.84  | 7.78  | 6.24  | 3.529  |
| September | 1.25  | 4.97  | 3.31    | 1.53  | 2.26  | 4.44  | 5.52  | 2.46  | 2.07  | 2.88  | 3.069  |
| October   | 5.04  | 2.85  | 4.54    | 3.00  | 2.71  | 5.85  | 2.17  | 2.47  | 2.89  | 1.35  | 3.284  |
| November  | 2.29  | 1.38  | 3.10    | 2.39  | 3.60  | 3.75  | 4.00  | 3.51  | 2.69  | .83   | 2.754  |
| December  | 2.37  | 1.65  | 4.61    | .44   | 3.14  | 1.20  | 5.78  | 2.61  | 2.30  | 1.76  | 2.526  |
| TOTALS    | 21.99 | 29.97 | 41.08   | 24.96 | 25.59 | 35.48 | 34.94 | 36.29 | 33.96 | 33.15 | 31.441 |

C C C

1879 wall 11 ft high 15 ft N.W. to NE.

Duffield church 1 mile SE by S.

## RAINFALL AT Derby, Duffield

80

Lat.

Lon.

County of

Derby

Rain Gauge, by

Observer

Mr. W. Gland

Sewerant - 6.

| Diameter .....  | 5           |       |       |       |       |       |       |       |       |       |        |
|-----------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height .....    | 1.0 1.6 1.0 |       |       |       |       |       |       |       |       |       |        |
| Altitude .....  | 200? 250T   |       |       |       |       |       |       |       |       |       |        |
| Year .....      | 1880        | 1881  | 1882  | 1883  | 1884  | 1885  | 1886  | 1887  | 1888  | 1889  | MEANS. |
| January .....   | .26         | .56   | 3.22  | 2.94  | 3.14  | 2.05  | 3.88  | 2.38  | .97   | 1.03  | 2.043  |
| February .....  | 2.05        | 5.77  | 2.33  | 2.63  | 2.34  | 2.89  | .58   | .34   | .59   | 1.49  | 2.051  |
| March .....     | 2.26        | 3.24  | 2.29  | .91   | 1.90  | 1.38  | 2.83  | 1.23  | 2.07  | 3.29  | 2.140  |
| April .....     | 1.58        | 1.51  | 3.29  | 2.75  | 2.05  | 1.79  | 1.66  | .96   | 1.24  | 2.73  | 1.956  |
| May .....       | 1.38        | 1.90  | 2.87  | 1.09  | 1.05  | 2.26  | 5.20  | 1.54  | .39   | 3.69  | 2.137  |
| June .....      | 4.15        | 2.35  | 4.05  | 4.62  | 1.29  | 3.12  | 1.39  | .65   | 1.56  | .42   | 2.360  |
| July .....      | 6.17        | 1.44  | 3.71  | 2.36  | 3.69  | .61   | 3.13  | 1.11  | 5.48  | 2.77  | 3.017  |
| August .....    | 3.06        | 6.10  | 1.68  | 1.54  | 4.26  | 2.16  | 1.70  | 1.63  | 2.53  | 2.85  | 2.751  |
| September ..... | 3.34        | 1.63  | 2.08  | 6.07  | 1.84  | 2.90  | 1.56  | 2.35  | 1.10  | 2.32  | 2.510  |
| October .....   | 4.69        | 3.71  | 4.72  | 2.61  | 1.22  | 6.02  | 5.60  | 1.38  | .83   | 2.83  | 3.361  |
| November .....  | 2.93        | 3.74  | 4.28  | 3.24  | 1.31  | 2.92  | 1.80  | 1.89  | 3.63  | .98   | 2.673  |
| December .....  | 4.00        | 2.69  | 5.42  | 1.83  | 2.64  | .88   | 2.84  | 1.81  | 2.38  | 1.89  | 2.638  |
| TOTALS .....    | 35.89       | 34.34 | 39.94 | 32.59 | 26.74 | 28.48 | 32.17 | 17.27 | 22.77 | 26.29 | 29.646 |

1880. Duffield

3 1/4 miles

S.E.

Wall 5ft high 20ft NW by N.

## RAINFALL AT Derby, Duffield

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

Derby

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

M. M. Blaud

Segment - 6.

| Diameter .... | 5"    |       |       |       |       |       |       |       |       |        |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height .....  | 1. 0  | 1. 6  |       |       |       |       |       |       |       | 1. 0   |
| Altitude .... | 200?  | 250?  |       |       |       |       |       |       |       |        |
| Year .....    | 1880  | 1881  | 1882  | 1883  | 1884  | 1885  | 1886  | 1887  | 1888  | 1889   |
| January ....  | .26   | .56   | 3.22  | 2.94  | 3.14  | 2.05  | 3.88  | 2.38  | .97   | 1.03   |
| February .... | 2.05  | 5.77  | 2.33  | 2.63  | 2.34  | 2.89  | 3.58  | 3.34  | .59   | 1.49   |
| March ....    | 2.26  | 3.24  | 2.29  | .91   | 1.90  | 1.38  | 2.83  | 1.23  | 2.07  | 3.29   |
| April ....    | 1.58  | 1.51  | 3.29  | 2.75  | 2.05  | 1.79  | 1.66  | .96   | 1.24  | 2.73   |
| May ....      | 1.38  | 1.90  | 2.87  | 1.09  | 1.05  | 2.26  | 5.20  | 1.54  | .39   | 3.69   |
| June ....     | 4.15  | 2.35  | 4.05  | 4.62  | 1.29  | 3.12  | 1.39  | .65   | 1.56  | .42    |
| July ....     | 6.17  | 1.64  | 3.71  | 2.36  | 3.69  | .61   | 3.13  | 1.11  | 5.48  | 2.77   |
| August ....   | 3.06  | 6.10  | 1.68  | 1.54  | 4.26  | 2.16  | 1.70  | 1.63  | 2.53  | 2.85   |
| September.... | 3.34  | 1.63  | 2.08  | 6.07  | 1.84  | 2.90  | 1.56  | 2.35  | 1.10  | 2.32   |
| October....   | 4.69  | 3.71  | 4.72  | 2.61  | 1.22  | 6.02  | 5.60  | 1.38  | .83   | 2.83   |
| November....  | 2.93  | 3.74  | 4.28  | 3.24  | 1.32  | 2.92  | 1.80  | 1.89  | 3.63  | .98    |
| December....  | 4.00  | 2.69  | 5.42  | 1.83  | 2.64  | .88   | 2.84  | 1.81  | 2.38  | 1.89   |
| TOTALS ....   | 35.89 | 34.34 | 34.99 | 32.59 | 26.74 | 28.48 | 32.17 | 17.27 | 22.77 | 26.29  |
|               |       |       |       |       |       |       |       |       |       | 29.646 |

1880. Duffield

3 1/4 miles

S.E.

Wall 12 ft high 20 ft NW by N.

# RAINFALL AT Derby Duffield Road

Lat.

Len.

County of Derby

Rain Gauge, by

Observer

D. Copestake

Derwent 6.

|                 |      |      |      |      |      |      |       |       |       |       |        |
|-----------------|------|------|------|------|------|------|-------|-------|-------|-------|--------|
| Diameter .....  |      |      |      |      |      |      | 5     |       |       |       |        |
| Height .....    |      |      |      |      |      |      | 8.0   |       |       |       |        |
| Altitude .....  |      |      |      |      |      |      | 1847  | 1927  |       |       |        |
| Year .....      | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896  | 1897  | 1898  | 1899  | MEANS. |
| January .....   |      |      |      |      |      |      | .99   | 2.43  | 1.12  | 2.81  |        |
| February .....  |      |      |      |      |      |      | .61   | 3.21  | 1.31  | 1.11  |        |
| March .....     |      |      |      |      |      |      | 2.99  | 2.04  | 1.54  | 1.11  |        |
| April .....     |      |      |      |      |      |      | .88   | 1.88  | 1.45  | 2.43  |        |
| May .....       |      |      |      |      |      |      | .30   | .91   | 2.57  | 2.96  |        |
| June .....      |      |      |      |      |      |      | 1.33  | 3.39  | 1.54  | 2.60  |        |
| July .....      |      |      |      |      |      |      | 3.74  | 1.70  | .29   | 1.04  | 2.69   |
| August .....    |      |      |      |      |      |      | 2.78  | 1.55  | 1.91  | 2.21  | .90    |
| September ..... |      |      |      |      |      |      | .52   | 3.37  | 2.46  | .34   | 2.82   |
| October .....   |      |      |      |      |      |      | 2.45  | 2.19  | .88   | 2.72  | 2.72   |
| November .....  |      |      |      |      |      |      | 3.13  | 1.07  | 1.58  | 2.19  | 1.28   |
| December .....  |      |      |      |      |      |      | 2.28  | 3.76  | 3.04  | 1.66  | 2.36   |
| TOTALS .....    |      |      |      |      |      |      | 20.74 | 24.02 | 19.69 | 25.79 |        |

St Alkmunds Church 200 yards ESE

House 30 ft high 12ft NE

30. 35. NNE

NB Rejected from Survey as 2" low.

RAINFALL AT Derby Duffield Road Garden

Lat. ....

Lon. ....

County of Derby

Rain Gauge, by

Observer G.W.C. Copstake

Dewpoint - 6. Monthly

| Diameter ..  | 1900 | 1901 | 1902 | 1903 | 1904 | 1905   | 1906  | 1907   | 1908  | 1909 | MEANS. |
|--------------|------|------|------|------|------|--------|-------|--------|-------|------|--------|
| Height ....  |      |      |      |      |      | 5      | 0 10  | 1 2    | 1 0   | .10  |        |
| Altitude ..  |      |      |      |      |      | 184 ft |       |        |       |      |        |
| Year ....    | 1900 | 1901 | 1902 | 1903 | 1904 | 1905   | 1906  | 1907   | 1908  | 1909 |        |
| January ..   |      |      |      |      |      | 1.28   | 3.48  | 1.45   | .87   | 1.98 |        |
| February ..  |      |      |      |      |      | 1.13   | 3.77  | 2.41   | 1.91  | 1.06 |        |
| March ....   |      |      |      |      |      | 3.09   | 2.08  | 1.83   | 2.37  | 1.99 |        |
| April .....  |      |      |      |      |      | 1.89   | .80   | 2.80   | 1.74  | 2.65 |        |
| May .....    |      |      |      |      |      | .79    | 2.26  | 7.20   | 3.85  | 2.88 |        |
| June .....   |      |      |      |      |      | 1.99   | 1.85  | 4.80   | 2.24  | 2.25 |        |
| July .....   |      |      |      |      |      | 1.28   | .93   | 4.00   | 2.89  | 4.54 |        |
| August ..... |      |      |      |      |      | 3.49   | 1.45  | 4.46   | 3.34  | 2.06 |        |
| September .. |      |      |      |      |      | 1.80   | 1.12  | .78    | 2.47  | 3.08 |        |
| October ..   |      |      |      |      |      | 1.43   | 5.46  | 5.09   | 1.79  | 4.21 |        |
| November ..  |      |      |      |      |      | 2.75   | 4.22  | 3.38   | 1.98  |      |        |
| December ..  |      |      |      |      |      | .90    | 2.82  | 4.64   | 1.78  |      |        |
| TOTALS ..    |      |      |      |      |      | 21.82  | 30.24 | 42.343 | 27.23 |      |        |

1905 St Alkmund's Church 200 yards E.S.E  
Stable 30 ft high 50 ft N.E

The gauge is in a garden & measured monthly & gives less than one surrendered by building & raised 8 ft

1907 St Alkmund Not printed bad

Gt Northern Station 60 yards S.S.W

1909 Note - Shall only keep monthly record in future except frequent absence from home 5/8/10. for latter

No Rejected from Survey as 6" High.

## RAINFALL AT Derby Duffield Road

Lat.  $52^{\circ} 56' N$ Lon.  $10^{\circ} 27' W$ 

County of Derby

Ordinary Rain Gauge, by

Observer Dr. G. E. Stakake

Dewpoint - 6.

| Diameter ..  | 5      |       |       |       |       |       |       |       |        |      |        |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|--------|------|--------|
| Height ....  | 8.0    |       |       |       |       |       |       |       |        |      |        |
| Altitude ..  | 192 ft |       |       |       |       |       |       |       | 184 ft |      |        |
| Year ....    | 1900   | 1901  | 1902  | 1903  | 1904  | 1905  | 1906  | 1907  | 1908   | 1909 | MEANS. |
| January ..   | 3.46   | 1.79  | 1.53  | 1.94  | 1.32  | 1.08  | 3.48  | 1.39  | .60    | 1.13 |        |
| February ..  | 4.16   | 1.05  | 1.50  | 1.01  | 3.60  | .54   | 3.02  | 1.90  | 1.44   | .70  |        |
| March ..     | .53    | 1.92  | 1.39  | 3.29  | 1.49  | 2.67  | 1.84  | 1.29  | 2.08   | 2.76 |        |
| April.....   | 1.01   | 1.58  | 2.11  | 1.12  | 1.77  | 1.34  | .57   | 1.76  | 1.75   | 2.08 |        |
| May .....    | 1.70   | .97   | 2.48  | 3.73  | 1.36  | .63   | 1.61  | 3.40  | 3.03   | 1.84 |        |
| June .....   | 3.16   | .91   | 2.30  | 1.27  | .86   | 1.86  | 1.57  | 3.50  | 1.79   | 2.09 |        |
| July .....   | 3.64   | 4.07  | 1.28  | 2.22  | 2.20  | 1.03  | .58   | 2.80  | 2.52   | 3.28 |        |
| August ..... | 4.96   | 1.92  | 2.86  | 4.97  | 2.79  | 2.85  | 1.36  | 3.41  | 3.34   | 2.28 |        |
| September..  | .53    | .87   | 1.41  | 2.62  | 1.38  | 1.55  | 1.12  | .73   | 2.98   | 2.17 |        |
| October....  | 2.73   | 1.75  | 2.50  | 5.25  | .98   | 1.14  | 5.46  | 3.53  | 1.04   | 3.14 |        |
| November ..  | 2.36   | 1.75  | 1.57  | 2.09  | 1.26  | 2.45  | 2.84  | 2.11  | 1.29   |      | #      |
| December ..  | 4.24   | 5.43  | 1.64  | 1.52  | 1.20  | .72   | 2.25  | 2.94  | 1.48   |      |        |
| TOTALS ..    | 32.48  | 23.91 | 22.57 | 31.03 | 20.21 | 17.86 | 25.68 | 28.53 | 23.34  |      |        |

D D D D D imp

1902 St Albans Church 200 yards ENE

House 30 ft high 12 + 35 ft N.E + NNE

Railway Station 800 ft S.S.W

N.B. Excluded from Survey as 2" low.

## RAINFALL at Derby Duffield Road

County of Derbyshire

Observer Dr W. G. Copstake

River Basin Trent-Derwent 6

Rain Gauge, by

| Diameter ... | 5      |       |       |       |       |       |       |      |      |      |        |
|--------------|--------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| Height ..... | 1.2    |       |       |       |       | 6.0   |       |      |      |      |        |
| Altitude ... | 190 ft |       |       |       |       | 183   |       |      |      |      |        |
| Year ...     | 1910   | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917 | 1918 | 1919 | MEANS. |
| January ...  | 2.77   | 1.30  | 4.25  | 3.90  | 1.28  | 2.61  | .99   |      |      |      |        |
| February ... | 2.03   | 1.47  | 1.07  | .98   | 1.35  | 2.48  | 4.05  |      |      |      |        |
| March .....  | .60    | 1.50  | 2.67  | 3.90  | 2.46  | 1.06  | 3.28  |      |      |      |        |
| April .....  | 2.32   | 1.37  | .6    | 3.28  | .76   | .90   | 1.58  |      |      |      |        |
| May .....    | 1.18   | 1.52  | 2.54  | 1.88  | 2.05  | 1.75  | 1.85  |      |      |      |        |
| June .....   | 1.21   | 2.80  | 5.82  | 1.35  | 2.03  | 1.70  | 1.35  |      |      |      |        |
| July .....   | 2.52   | .10   | 3.50  | .38   | 5.19  | 6.30  | 1.91  |      |      |      |        |
| August ..... | 3.30   | .65   | 5.77  | 2.25  | 2.00  | 1.65  | 1.75  |      |      |      |        |
| September .. | .57    | 1.45  | .87   | 1.80  | 1.32  | .91   | .60   |      |      |      |        |
| October ...  | 2.20   | 2.44  | 3.28  | 2.51  | 2.52  | 1.75  | 1.83  |      |      |      |        |
| November ..  | 4.75   | 3.91  | 3.28  | 2.35  | 3.98  | 2.54  | 2.60  |      |      |      |        |
| December ... | 5.09   | 3.12  | 2.98  | 1.15  | 5.50  | 4.18  | 2.57  |      |      |      |        |
| TOTALS ...   | 28.54  | 21.63 | 35.69 | 25.63 | 30.44 | 27.83 | 24.36 |      |      |      |        |

1915 Sep 30. Gauge moved by yards 554

N.B. Rejected from Survey as 2° low.

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|---------|-----------|------------|
|       |         |       |                  |           |            |         |           |            |