

## RAINFALL AT Brampton, Denton House

80

Lat. .... Lon. .... County of Cumberland  
 Rain Gauge, by Observer Mr. J. Charlton

Bacon &amp; Colway - 1

|           |         |         |         |         |         |         |         |       |       |       |          |
|-----------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|----------|
| Diameter  |         |         |         |         |         |         |         | 5     |       |       |          |
| Height    |         |         |         |         |         |         |         | 1.2   |       |       |          |
| Altitude  |         |         |         |         |         |         |         | 542T  |       |       | 541M     |
| Year      | 1880    | 1881    | 1882    | 1883    | 1884    | 1885    | 1886    | 1887  | 1888  | 1889  | MEANS.   |
| January   | .97     | 55      | 2.81    | 3.98    | 7.05    | 1.70    | 4.88    | 2.20  | 1.38  | 1.38  | 2.690    |
| February  | 2.29    | 3.31    | 3.56    | 2.48    | 2.17    | 2.34    | 1.14    | 1.64  | .99   | 1.85  | 2.177    |
| March     | 1.05    | 3.52    | 3.73    | 1.18    | 2.08    | 2.36    | 3.72    | 2.22  | 3.27  | 2.75  | 2.588    |
| April     | 2.85    | 1.67    | 3.26    | 1.27    | 1.54    | 1.76    | 2.39    | 2.43  | 1.39  | 2.56  | 2.112    |
| May       | 1.93    | 2.55    | 1.56    | 1.45    | 3.46    | 2.47    | 3.90    | 1.53  | 1.17  | 1.72  | 2.174    |
| June      | 3.63    | 2.95    | 6.78    | 3.13    | .61     | 1.25    | 2.61    | .37   | 1.60  | .76   | 2.369    |
| July      | 6.54    | 4.41    | 4.64    | 3.57    | 9.38    | 1.71    | 5.04    | 2.57  | 6.04  | 2.82  | 4.666    |
| August    | .97     | 5.47    | 2.99    | 4.18    | 1.29    | 3.01    | 1.86    | 3.04  | 4.03  | 5.66  | 3.250    |
| September | 5.03    | 4.37    | 1.76    | 5.52    | 2.46    | 2.61    | 4.72    | 5.81  | 1.85  | 2.40  | 3.653    |
| October   | 3.66    | 5.87    | 3.91    | 3.75    | 1.89    | 3.81    | 4.63    | 2.06  | 2.28  | 4.97  | 3.683    |
| November  | 4.25    | 3.91    | 4.91    | 3.63    | 1.74    | 1.71    | 4.36    | 3.35  | 4.23  | 1.21  | 3.330    |
| December  | 5.30    | 4.34    | 3.71    | 3.42    | 5.13    | 1.67    | 5.12    | 3.15  | 1.39  | 2.25  | 3.548    |
| TOTALS    | (38.47) | (42.92) | (43.62) | (37.56) | (38.80) | (26.40) | (44.37) | 30.31 | 29.62 | 30.33 | (36.240) |

Denton Nether Church 1½ mile N.E.

1886 House 12ft. 6in., 14 ft. N

Spruce tree 28ft. high 33ft. SW.

1880-85 Computed from Denton Hall rates <sup>Denton</sup> <sub>without</sub> <sup>101</sup> <sub>100</sub>

## RAINFALL AT Brampton Denton House

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of Cumberland

Rain Gauge, by \_\_\_\_\_ Observer Mr J. Charlton  
Eden Solway - 1 M

| Diameter .....  | 5     |       |       |       |       |       |       |       |       |       |        |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height .....    | 1.2   |       |       |       |       |       |       | 1.5   |       |       |        |
| Altitude .....  | 341   | M     |       |       |       |       |       |       |       |       |        |
| Year .....      | 1890  | 1891  | 1892  | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |
| January .....   | 3.91  | 2.27  | 2.60  | 1.26  | 2.29  | 2.11  | 2.27  | .55   | 2.06  | 5.16  | 2.448  |
| February .....  | 1.02  | .21   | 2.62  | 3.20  | 4.98  | .67   | 1.64  | 1.90  | 3.08  | 1.76  | 2.108  |
| March .....     | 2.50  | 1.65  | 1.09  | 1.43  | 1.78  | 2.82  | 5.12  | 4.40  | 1.08  | 1.75  | 2.262  |
| April .....     | 1.49  | 1.40  | 1.26  | .74   | 1.06  | 1.13  | 1.96  | 2.13  | 4.24  | 2.45  | 1.786  |
| May .....       | 1.71  | 1.34  | 4.11  | 1.72  | 3.13  | .51   | .62   | 1.56  | 2.73  | 2.99  | 2.042  |
| June .....      | 4.20  | 1.70  | 2.87  | 2.22  | 3.08  | 2.55  | 2.99  | 3.52  | 3.20  | .89   | 2.722  |
| July .....      | 2.57  | 3.72  | 2.32  | 2.61  | 3.03  | 5.81  | 3.80  | 2.00  | 2.58  | 5.10  | 3.364  |
| August .....    | 5.02  | 7.03  | 5.80  | 3.98  | 6.08  | 5.38  | 2.25  | 3.65  | 6.42  | .75   | 4.636  |
| September ..... | 3.41  | 5.46  | 7.47  | 4.60  | .30   | 1.05  | 3.77  | 5.23  | 1.65  | 4.58  | 3.752  |
| October .....   | 2.35  | 2.10  | 4.82  | 3.02  | 2.97  | 4.07  | 3.52  | 2.06  | 5.58  | 2.20  | 3.269  |
| November .....  | 5.49  | 2.05  | 1.76  | 1.85  | 3.61  | 2.80  | 1.20  | 3.88  | 2.68  | 3.37  | 2.869  |
| December .....  | .66   | 6.61  | 1.44  | 2.90  | 2.54  | 2.26  | 3.95  | 3.52  | 4.46  | 2.10  | 3.041  |
| TOTALS .....    | 34.33 | 35.54 | 38.16 | 29.53 | 34.85 | 31.16 | 33.09 | 34.40 | 39.76 | 33.10 | 34.392 |

1890 Nether Denton Threl 2 miles NE

Home corner 12 ft 6 in high 14 ft N

Gauge formerly read daily now monthly

## RAINFALL AT Brampton Denton House

Lat.

Lon.

County of Cumberland

Rain Gauge, by

Observer

M. J. Charlton

Eden &amp; Solway - 1

| Diameter ..... | 5      |       |       |       |       |       |       |       |       |       |        |
|----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height .....   | 1.5    |       |       |       |       |       |       |       |       |       |        |
| Altitude ..... | 541 ft |       |       |       |       |       |       |       |       |       |        |
| Year .....     | 1890   | 1891  | 1892  | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |
| January        | 3.91   | 2.37  | 2.74  | 1.32  | 2.32  | 2.26  | 2.51  | .44   | 2.12  | 5.20  | 2.519  |
| February       | .97    | .20   | 2.52  | 3.16  | 4.90  | .67   | 1.75  | 2.18  | 3.36  | 1.82  | 2.153  |
| March          | 2.51   | 1.51  | 1.07  | 1.53  | 1.73  | 2.73  | 5.09  | 4.45  | 1.03  | 1.73  | 2.238  |
| April          | 1.47   | 1.35  | 1.28  | .73   | 1.03  | 1.13  | 1.99  | 2.21  | 4.28  | 2.43  | 1.770  |
| May            | 1.71   | 1.53  | 4.04  | 1.67  | 3.11  | .51   | .65   | 1.60  | 2.67  | 2.81  | 2.010  |
| June           | 4.12   | 1.65  | 2.82  | 2.15  | 3.04  | 2.50  | 2.87  | 3.33  | 3.17  | .83   | 2.648  |
| July           | 2.66   | 3.65  | 2.36  | 2.68  | 3.01  | 5.82  | 3.64  | 1.99  | 2.59  | 4.95  | 3.335  |
| August         | 4.88   | 7.05  | 5.76  | 4.02  | 6.03  | 5.47  | 2.29  | 3.54  | 6.37  | .74   | 11.615 |
| September      | 3.46   | 5.51  | 7.52  | 4.72  | .30   | 1.12  | 3.67  | 5.14  | 1.68  | 4.52  | 3.764  |
| October        | 2.36   | 2.04  | 4.74  | 3.00  | 2.91  | 4.01  | 3.42  | 1.99  | 5.52  | 2.33  | 3.232  |
| November       | 5.52   | 2.02  | 1.84  | 2.06  | 3.83  | 2.82  | 1.21  | 3.89  | 2.74  | 3.62  | 2.955  |
| December       | .59    | 6.74  | 1.50  | 3.20  | 2.66  | 2.42  | 3.90  | 3.67  | 4.59  | 1.93  | 3.120  |
| TOTALS .....   | 34.16  | 35.42 | 38.19 | 30.24 | 34.87 | 31.46 | 32.99 | 34.43 | 40.12 | 32.91 | 34.479 |

1890 Nether Denton 2 miles NE

House corner 12 ft 6 in high 14 ft N

a New gauge Jan 1<sup>st</sup> 4 ft E

# RAINFALL AT Brampton Denton House

Lat.

Lon.

County of Cumbria

*Wil Jowlethwaite*  
Jowlethwaite from M Rain Gauge, by  
Eden etc - 1.

Observer Mr. G Charlton

*Mrs G Charlton*

| Diameter ..  | 5      |       |       |       |      |      |        |      |      |      | MEANS. |
|--------------|--------|-------|-------|-------|------|------|--------|------|------|------|--------|
| Height ....  | 1.2    | 1.5   | 1.4   |       |      |      |        |      |      |      |        |
| Altitude ..  | 541 ft |       |       |       |      |      |        |      |      |      |        |
| Year ....    | 1900   | 1901  | 1902  | 1903  | 1904 | 1905 | 1906   | 1907 | 1908 | 1909 |        |
| January ..   | 2.99   | 1.84  | 2.75  | 4.51  |      |      | 4.64   |      |      |      |        |
| February ..  | 2.76   | .95   | .74   | 4.37  |      |      | 1.85   |      |      |      |        |
| March ..     | .40    | 1.74  | 2.68  | 3.37  |      |      | 1.83   |      |      |      |        |
| April ..     | 3.43   | 1.54  | 1.44  | 1.51  |      |      | 1.04   |      |      |      |        |
| May ..       | 1.93   | 1.20  | 1.80  | 2.10  |      |      | 5.16   |      |      |      |        |
| June ..      | 5.37   | 1.61  | 1.51  | 1.72  |      |      | 2.39   |      |      |      |        |
| July ..      | 2.20   | 1.20  | 3.73  | 5.21  |      |      | 2.42   |      |      |      |        |
| August ..    | 6.27   | 3.26  | 1.95  | 6.32  |      |      | 5.31   |      |      |      |        |
| September .. | 2.17   | 1.06  | 1.06  | 4.42  |      |      | 1.47   |      |      |      |        |
| October ..   | 5.35   | 3.32  | 3.22  | 8.21  |      |      | 4.30   |      |      |      |        |
| November ..  | 3.14   | 4.60  | 1.03  | 2.55  |      |      | 2.88   |      |      |      |        |
| December ..  | 3.95   | 3.84  | 3.40  | 2.35  |      |      | 2.37   |      |      |      |        |
| TOTALS ..    | 39.96  | 26.16 | 25.31 | 46.64 |      |      | 35647. |      |      |      |        |

1900 Denton Nether Church 2 miles NE

Chimney 4 ft high 12 ft N.W.

Horn comes 12' 6" - 15" N

1906 Not printed - gauge defective

RAINFALL AT Brampton Denton House

Lat.

Lon.

County of Cumberland

Sunder  
Eden etc - 1.

Rain Gauge, by N+3

Observer Mr J Charlton  
Mr B Sandhouse

| Diameter ..  | 5      |       |       |       |       |       |       |       |       |       |        |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height ....  | 15     |       |       |       |       |       |       |       |       |       |        |
| Altitude ..  | 541 ft |       |       |       |       |       |       |       |       |       |        |
| Year ....    | 1900   | 1901  | 1902  | 1903  | 1904  | 1905  | 1906  | 1907  | 1908  | 1909  | MEANE. |
| January ..   | 3.08   | 1.88  | 2.99  | 4.50  | 2.86  | .98   | 4.75  | 1.12  | 2.41  | 2.66  | 2.723  |
| February ..  | 2.73   | 1.17  | .67   | 4.48  | 1.84  | 1.63  | 1.99  | 1.15  | 2.47  | 2.18  | 2.031  |
| March ..     | .43    | 1.71  | 2.76  | 3.45  | 1.89  | 2.91  | 2.19  | 2.84  | 2.93  | 2.51  | 2.362  |
| April ..     | 3.53   | 1.64  | 1.47  | 1.50  | 2.98  | 3.49  | 1.16  | 2.58  | 1.78  | 2.84  | 2.297  |
| May ..       | 1.92   | 1.16  | 1.87  | 2.03  | 2.35  | 1.80  | 5.10  | 3.23  | 3.28  | 1.60  | 2.434  |
| June ..      | 5.09   | 1.68  | 1.49  | 1.68  | 1.69  | 1.31  | 2.44  | 4.32  | 1.40  | 2.68  | 2.378  |
| July ..      | 2.21   | 1.17  | 3.70  | 4.88  | 1.34  | 1.67  | 2.54  | 2.58  | 3.12  | 5.88  | 2.939  |
| August ..    | 6.22   | 3.30  | 1.87  | 6.32  | 4.13  | 4.15  | 5.25  | 3.68  | 3.91  | 3.92  | 4.275  |
| September .. | 2.25   | 1.01  | 1.01  | 4.32  | 1.55  | 3.13  | 1.54  | .26   | 3.64  | 2.16  | 2.087  |
| October ..   | 5.29   | 3.25  | 3.21  | 8.01  | 1.30  | 2.02  | 4.28  | 5.16  | 1.13  | 5.25  | 3.890  |
| November ..  | 3.08   | 4.24  | .95   | 2.67  | 2.59  | 2.60  | 2.84  | 2.05  | 2.42  | 1.76  | 2.520  |
| December ..  | 4.06   | 3.88  | 3.40  | 2.23  | 2.80  | 1.92  | 2.51  | 3.74  | 1.73  | 4.69  | 3.046  |
| TOTALS ..    | 39.89  | 26.09 | 25.39 | 46.07 | 26.82 | 27.61 | 36.59 | 33.01 | 30.22 | 38.13 | 32.982 |

    D D D D D D

1900 Denton Nether Church 2 miles N.E.

House corner 12' 6" high 14 ft N

1906 Loo Row Station 1/2 mile N.N.E.

## RAINFALL at Brampton Denton House

County of Cumberland

Observer Miss B Gardhouse

River Basin Eden &amp; Solway

Rain Gauge, by

| Diameter ... | 5      |      |      |      |      |      |      |      |      |      |        |
|--------------|--------|------|------|------|------|------|------|------|------|------|--------|
| Height ..... | 1.5    |      |      |      |      |      |      |      |      |      |        |
| Altitude ... | 541 ft |      |      |      |      |      |      |      |      |      |        |
| Year ...     | 1910   | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January .... | 3.16   |      |      |      |      |      |      |      |      |      |        |
| February ... | 4.57   |      |      |      |      |      |      |      |      |      |        |
| March .....  | 1.39   |      |      |      |      |      |      |      |      |      |        |
| April .....  | 2.35   |      |      |      |      |      |      |      |      |      |        |
| May .....    | 2.79   |      |      |      |      |      |      |      |      |      |        |
| June.....    | 1.67   |      |      |      |      |      |      |      |      |      |        |
| July .....   | 4.14   |      |      |      |      |      |      |      |      |      |        |
| August.....  | 4.70   |      |      |      |      |      |      |      |      |      |        |
| September .. | .56    |      |      |      |      |      |      |      |      |      |        |
| October ...  | 1.70   |      |      |      |      |      |      |      |      |      |        |
| November ..  | 3.81   |      |      |      |      |      |      |      |      |      |        |
| December...  | 2.27   |      |      |      |      |      |      |      |      |      |        |
| TOTALS ...   | 33.11  |      |      |      |      |      |      |      |      |      |        |

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