

RAINFALL AT *Cardross Kilmahew Castle*

Lat.....

Lon.....

County of...

*Dunnbarton*

Rain Gauge, by.....

Observer

*J. W. Ramsay Esq.**W. of Clyde, etc - 2.*

|                |       |       |       |       |       |       |       |      |      |      |        |  |
|----------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|--------|--|
| Diameter ..... | . 3   |       | 8     |       |       |       | 9     |      |      |      |        |  |
| Height .....   | . 2   |       |       | 6     |       |       |       |      |      |      |        |  |
| Altitude ..... | 96.0  |       | 96    | 100   |       |       |       |      |      |      |        |  |
| YEAR .....     | 1870  | 1871  | 1872  | 1873  | 1874  | 1875  | 1876  | 1877 | 1878 | 1879 | MEANS. |  |
| January.....   | 5.50  | 4.10  | 8.70  | 8.01  | 3.97  | 7.75  | 2.70  |      |      |      |        |  |
| February.....  | 5.30  | 6.25  | 4.60  | 1.58  | 1.16  | 1.21  | 5.66  | 3.36 |      |      |        |  |
| March.....     | .80   | 4.70  | 4.29  | 1.73  | 3.14  | 1.43  | 4.75  |      |      |      |        |  |
| April.....     | 1.60  | 5.25  | .93   | .42   | 2.08  | 1.78  | 2.11  |      |      |      |        |  |
| May.....       | 4.10  | 1.20  | 2.60  | 2.99  | 2.15  | 2.10  | .56   |      |      |      |        |  |
| June.....      | 1.65  | 2.90  | 6.86  | 2.12  | 1.06  | 3.14  | 3.67  |      |      |      |        |  |
| July.....      | 2.55  | 3.80  | 7.16  | 4.20  | 2.63  | 1.60  | 2.48  |      |      |      |        |  |
| August.....    | 1.65  | 3.80  | 3.58  | 4.56  | 5.51  | 3.40  | 5.26  |      |      |      |        |  |
| September..... | 4.05  | 2.40  | 8.51  | 3.46  | 5.68  | 3.77  | 3.54  |      |      |      |        |  |
| October.....   | 6.30  | 4.90  | 3.54  | 6.74  | 7.04  | 5.71  | 6.75  |      |      |      |        |  |
| November.....  | 2.10  | 3.40  | 8.02  | 3.67  | 4.49  | 4.07  | 3.33  |      |      |      |        |  |
| December.....  | 3.50  | 6.15  | 6.84  | 2.83  | 1.82  | 2.86  | 7.42  |      |      |      |        |  |
| TOTALS .....   | 39.10 | 48.85 | 65.63 | 44.31 | 40.73 | 38.82 | 48.23 |      |      |      |        |  |

*No observations**C C C*

# RAINFALL AT *Candross Kilmahon*

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

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

County of *Dumblarton*

*Snodden* Rain Gauge, by *Hicks*

Observer *Clair & Allan*

*File of Clyde - 2.*

|              |      |      |      |      |      |      |      |      |      |       |        |
|--------------|------|------|------|------|------|------|------|------|------|-------|--------|
| Diameter ... |      |      |      |      |      |      |      |      | 5    |       |        |
| Height ..... |      |      |      |      |      |      |      |      | 10   |       |        |
| Altitude ... |      |      |      |      |      |      |      |      | 360  | 130 T |        |
| Year ...     | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909  | MEANS. |
| January ...  |      |      |      |      |      |      |      |      |      | 6.19  |        |
| February ... |      |      |      |      |      |      |      |      |      | 2.57  |        |
| March .....  |      |      |      |      |      |      |      |      |      | 2.81  |        |
| April .....  |      |      |      |      |      |      |      |      |      | 5.10  |        |
| May .....    |      |      |      |      |      |      |      |      | 2.28 | 3.26  |        |
| June .....   |      |      |      |      |      |      |      |      | 2.66 | 3.12  |        |
| July .....   |      |      |      |      |      |      |      |      | 4.10 | 3.12  |        |
| August ..... |      |      |      |      |      |      |      |      | 4.47 | 2.90  |        |
| September .. |      |      |      |      |      |      |      |      | 6.74 | 1.95  |        |
| October ...  |      |      |      |      |      |      |      |      | 1.70 | 6.82  |        |
| November ..  |      |      |      |      |      |      |      |      | 3.76 | 2.69  |        |
| December ... |      |      |      |      |      |      |      |      | 4.96 | 5.48  |        |
| TOTALS ...   |      |      |      |      |      |      |      |      |      | 46.01 |        |

1908 Candross Church 3/4 mile SSW  
 .. Station 1 S 65° W  
 Wall 5 ft high 30 W  
 gauge moved from Dorloch April 20<sup>th</sup> 2 m. NW

RAINFALL at Cardross, KilmahewCounty of Dumbarton Observer Clair A. Allan Esq.River Basin North of Clyde & Cowal 2.Snowdon Rain Gauge, by Hicks

|              |                  |       |       |       |       |       |       |       |       |       |        |
|--------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ... | 5                |       |       |       |       |       |       |       |       |       |        |
| Height ..... | 10               |       |       |       |       |       |       |       |       |       |        |
| Altitude ... | 130 <sup>T</sup> |       |       |       |       |       |       |       |       |       |        |
| Year ...     | 1910             | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | MEANS. |
| January ...  | 6.91             | 4.11  | 5.78  | 5.34  | 4.16  | 3.55  | 6.49  | 2.22  | 5.08  | 3.96  |        |
| February ... | 6.10             | 7.31  | 4.42  | 3.38  | 5.83  | 7.62  | 5.23  | 1.01  | 6.67  | .93   |        |
| March .....  | 2.52             | 1.52  | 5.59  | 5.85  | 6.26  | 2.57  | 1.62  | 2.28  | 1.60  | 4.59  |        |
| April .....  | 4.55             | 3.19  | 2.39  | 3.17  | 2.81  | 3.03  | 3.33  | 1.45  | .81   | 1.51  |        |
| May .....    | 1.74             | 2.80  | 1.96  | 4.10  | 1.33  | 1.50  | 4.28  | 3.77  | 2.28  | .97   |        |
| June .....   | 2.59             | 3.03  | 4.75  | 3.46  | .69   | 1.86  | 1.57  | 3.29  | 1.14  | 3.65  |        |
| July .....   | 4.89             | 2.44  | 2.38  | 1.57  | 3.38  | 3.27  | 2.30  | 1.70  | 3.51  | .83   |        |
| August ..... | 8.73             | 3.81  | 4.16  | 1.11  | 4.88  | 2.25  | 4.33  | 6.07  | 3.74  | 2.81  |        |
| September .. | 1.86             | 2.14  | 3.36  | 2.68  | 1.59  | 1.97  | .95   | 2.02  | 5.75  | 2.58  |        |
| October ...  | 2.80             | 4.04  | 5.21  | 2.55  | 2.38  | 3.41  | 7.80  | 7.30  | 6.06  | .75   |        |
| November ..  | 4.30             | 6.02  | 4.55  | 5.51  | 4.64  | 2.46  | 5.32  | 5.74  | 6.07  | 4.00  |        |
| December ... | 4.83             | 9.25  | 8.95  | 3.61  | 7.29  | 5.27  | 5.19  | 2.84  | 4.51  | 9.22  |        |
| TOTALS ...   | 51.82            | 49.66 | 53.50 | 42.33 | 45.24 | 38.76 | 48.71 | 39.69 | 47.22 | 35.80 |        |

D   D   D   D   D   D   D   D

Catchment 147.5/5. The glass raised by Camden glass 27/5/15

| Date. | Lat. N. | Long.     | Railway Station. | Distance. | Direction. | Church.  | Distance. | Direction. |
|-------|---------|-----------|------------------|-----------|------------|----------|-----------|------------|
| 1911. |         |           | Cardross         | 1/2 mile  | S.         | Cardross |           |            |
| 1919  | 55° 55' | 4° 38' W. |                  |           |            |          |           |            |



RAINFALL at Cardross, KilmahewCounty of DumbartonObserver Capt. Claude A. Allan Esq.River Basin South of Clyde & Cowal 2.Howdon Rain Gauge, by Hicks

|               |       |       |       |       |       |        |       |        |       |       |       |        |
|---------------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|--------|
| Diameter ...  | 5"    |       |       | 5     |       |        |       |        |       |       |       |        |
| Height .....  | 1 0   |       |       | 1 0   |       |        |       |        |       |       |       |        |
| Altitude ...  | 130   |       | 100   | 130   |       |        |       |        |       |       |       |        |
| Year .....    | 1920  | 1921  | 1922  | 1923  | 1924  | 1925   | 1926  | 1927   | 1928  | 1929  | 1930. | MEANS. |
| January ...   | 5.83  | 7.78  | 5.49  | 5.30  | 5.07  | 4.86   | 7.16  | 6.00   | 10.38 | 1.72  | 0.82  |        |
| February ...  | 6.14  | 1.16  | 4.91  | 5.22  | 1.20  | 4.86   | 5.54  | 2.94   | 4.59  | 2.21  | .24   |        |
| March .....   | 4.56  | 6.23  | 1.87  | 2.10  | .72   | 2.49   | 3.35  | 3.59   | 6.24  | 1.21  | .87   |        |
| April .....   | 1.30  | 1.00  | 3.21  | 4.27  | 2.57  | 5.62   | 2.30  | 3.64   | 2.64  | 1.08  | .225  |        |
| May .....     | 3.85  | 2.91  | 4.14  | 2.25  | 5.04  | 6.80   | 3.57  | 3.08   | 2.34  | 3.83  | .193  |        |
| June .....    | 1.55  | .50   | 1.98  | 1.13  | 2.08  | .82    | 3.32  | 3.93   | 6.06  | 3.30  | .288  |        |
| July .....    | 2.86  | 4.59  | 2.84  | 3.68  | 3.45  | 1.57   | 1.92  | 3.71   | 3.00  | 3.97  | .199  |        |
| August .....  | 4.88  | 4.95  | 2.16  | 7.40  | 4.11  | 4.06   | 3.98  | 6.01   | 4.46  | 6.19  | .642  |        |
| September...  | 2.69  | 1.80  | 2.50  | 7.27  | 4.90  | 3.92   | 3.63  | 7.25   | 3.94  | 1.00  | .399  |        |
| October ..... | 2.59  | 4.53  | 1.95  | 6.20  | 3.44  | 4.44   | 7.33  | 6.12   | 7.95  | 5.24  | .825  |        |
| November...   | 4.70  | 2.98  | 2.93  | 3.80  | 2.27  | 1.30   | 7.35  | (4.73) | 7.05  | 6.67  | .614  |        |
| December...   | 4.66  | 6.92  | 4.39  | 5.03  | 8.26  | (3.46) | 2.88  | 1.66   | 5.11  | 11.87 | .520  |        |
| TOTALS...     | 45.61 | 45.35 | 38.37 | 53.65 | 44.11 | 43.70  | 52.33 | 52.66  | 63.76 | 48.29 | 48.18 |        |
|               | D     | D     | D     | D     | D     | D      | D     | D      | D     | D     | D     |        |

1922. Gauge moved 6 ft. 31.1". 40 yds E.N.E.

1925. July 17 confirmed by Obs. Dec. reported to Obs. (.50 in. added for snow)

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

| Date. | Lat. N. | Long. W. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge | Direction |
|-------|---------|----------|------------------|---------------------|-----------|----------------|---------------------|-----------|
|       | 55° 58' | 4° 38'   | Cardross         | 4 1/2 mi            | S         | Cardross       |                     |           |

RAINFALL at Candross (Kilmalew) M.W.R.County of Dumfries Observer Claud A. Allan, Esq.River Basin 2-Firth of Clyde & CowalType of Gauge +

\* Annual Average 45.9 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. 5  
 (In O.R. 1938 & 39 an average of 44.7 was inadvertently used & ) computed x 1.37

|           |       |       |       |       |       |       |       |       |       |        |       |  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--|
| Diameter  | 5.    |       |       |       |       |       |       |       |       |        |       |  |
| Height    | 1. 0. |       |       |       |       |       |       |       |       |        |       |  |
| Altitude  | 130.  |       |       |       |       |       |       |       |       |        |       |  |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940   | Means |  |
| January   | 4.81  | 9.22  | 6.18  | 7.07  | 2.39  | 3.26  | 6.70  | 8.50  | 4.32  | (2.58) |       |  |
| February  | 4.47  | 10.2  | 4.07  | 7.8   | 5.86  | 3.62  | 5.79  | 2.53  | 6.26  | 1.58   |       |  |
| March     | 8.2   | 2.62  | 2.42  | 2.67  | 1.78  | 3.36  | 1.86  | 3.64  | 3.99  | 4.03   |       |  |
| April     | 1.94  | 4.05  | 2.42  | 3.60  | 3.50  | 1.50  | 2.27  | .52   | 2.90  | 2.95   |       |  |
| May       | 4.38  | 2.89  | 5.09  | 2.84  | .57   | 2.02  | 1.78  | 3.03  | 2.01  | 1.04   |       |  |
| June      | 5.65  | 1.67  | 2.18  | 2.75  | 3.23  | 1.67  | 3.18  | 5.49  | 1.71  | 1.39   |       |  |
| July      | 3.80  | 2.64  | 4.11  | 2.64  | 1.82  | 3.94  | 3.11  | 4.21  | 5.48  | 4.62   |       |  |
| August    | 1.82  | 2.43  | 2.80  | 4.61  | 2.68  | 2.22  | 3.36  | 1.89  | 2.28  | 2.20   |       |  |
| September | 1.43  | 4.42  | 0.75  | 5.96  | 6.61  | 4.12  | 3.04  | 4.56  | 2.18  | 4.06   |       |  |
| October   | 4.32  | 6.88  | 3.29  | 7.49  | 9.89  | 5.32  | 2.97  | 8.90  | 3.09  | 6.53   |       |  |
| November  | 7.54  | 4.93  | 2.93  | 1.63  | 5.10  | 4.30  | 1.08  | 9.22  | 8.42  | 7.34   |       |  |
| December  | 5.03  | 8.73  | 1.14  | 8.72  | 3.65  | 8.06  | 2.83  | 5.38  | 2.57  | 5.98   |       |  |
| TOTALS    | 46.01 | 50.50 | 36.36 | 50.76 | 47.08 | 45.39 | 37.97 | 57.87 | 45.21 | 44.30  |       |  |
|           | D     | 3     | D     | 2     | 3     | 2     | D     | 2     | D     | D      |       |  |

\* average computed x 1.36 from records 1909-1932 rejected from bearings 3" low.

† computed from records 1923-36 on which with barometer filter (Bar. 3) and roughness filter (Bar. 3)

1940 Jan corrected for snow.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....  
 1 mile to 1 inch Series

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1946. |         |       | Candross         | 1 1/2 m             | S.W.                 | Candross       | 1 m                 | S.                   |

Station No. 5318  
 RAINFALL at Cardross (Kilnashaw) M.W.R. 41  
 County of Dunbarton Observer Capt A. Allan Esq.  
 River Basin 2- Firth of Clyde Coal  
 Type of Gauge.....

Annual Average 45.9 in. based on 44 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. X

|           |       |        |       |       |        |       |        |       |      |      |       |
|-----------|-------|--------|-------|-------|--------|-------|--------|-------|------|------|-------|
| Diameter  | 5"    |        |       |       | 6.04   | 7.20  |        |       |      |      |       |
| Height    | 1' 0" |        |       |       |        | 1     |        |       |      |      |       |
| Altitude  | 130'  |        |       |       |        | 41    |        |       |      |      |       |
| Year      | 1941  | 1942   | 1943  | 1944  | 1945   | 1946  | 1947   | 1948  | 1949 | 1950 | Means |
| January   | 1.34  | 5.16   | 5.56  | 6.14  | (3.28) | 7.33  | 6.18   | 7.84  |      |      |       |
| February  | 3.94  | 1.60   | 5.13  | 1.63  | 8.32   | 2.80  | (1.50) | 5.39  |      |      |       |
| March     | 2.12  | (4.74) | 2.90  | 1.42  | 3.32   | 2.68  | 4.27   | -1.00 |      |      |       |
| April     | 2.11  | 2.13   | 3.83  | 2.70  | 2.25   | 2.42  | 6.19   |       |      |      |       |
| May       | 3.16  | 3.23   | 3.64  | 3.36  | 4.04   | 2.36  | 5.74   |       |      |      |       |
| June      | 0.59  | 1.70   | 3.40  | 3.61  | 3.94   | 2.66  | 3.78   |       |      |      |       |
| July      | 2.72  | 3.01   | 2.88  | 4.25  | 4.42   | 3.44  | 5.46   |       |      |      |       |
| August    | 5.00  | 4.67   | 8.18  | 3.21  | 2.10   | 3.00  | .04    |       |      |      |       |
| September | 2.03  | 4.72   | 3.52  | 5.04  | 5.13   | 7.69  | 4.61   |       |      |      |       |
| October   | 5.77  | 5.75   | 8.38  | 6.19  | 5.59   | 4.44  | 2.42   |       |      |      |       |
| November  | 4.22  | 1.39   | 2.65  | 7.91  | 4.7    | 6.35  | 6.75   |       |      |      |       |
| December  | 3.32  | 6.65   | 2.91  | 6.36  | 5.29   | 5.54  | 2.64   | -1.00 |      |      |       |
| TOTALS    | 36.32 | 44.75  | 52.98 | 50.70 | 48.15  | 46.71 | 49.58  | -1.00 |      |      |       |
|           | D     | D      | D     | D     | D      | D     | d      |       |      |      |       |
|           |       | 10004  |       |       | 40004  |       | 20004  |       |      |      |       |

1947 Feb. est. for mas  
 1948 Terminated end of Feb.

Position of Station on reduced Ordnance Survey Map,  
 1 mile to 1 inch Series

No. of Map.....

Reference No. 26 353782

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

BRITISH RAINFALL ORGANIZATION