

# RAINFALL AT *Pomona Deerness*

70

Lat. ....

Lon. ....

County of *Orkney*

Rain Gauge, by

Observer *Rev C Clouston*

|               |      |      |      |      |      |      |       |       |       |       |        |
|---------------|------|------|------|------|------|------|-------|-------|-------|-------|--------|
| Diameter....  |      |      |      |      |      |      |       |       |       |       |        |
| Height ....   |      |      |      |      |      |      |       |       |       |       |        |
| Altitude .... |      |      |      |      |      |      |       |       |       |       |        |
| Year ....     | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876  | 1877  | 1878  | 1879  | MEANS. |
| January ....  |      |      |      |      |      |      | 2.99  | 2.90  | 2.81  | 2.31  |        |
| February. ..  |      |      |      |      |      |      | 2.52  | 4.25  | 1.75  | .84   |        |
| March.....    |      |      |      |      |      |      | 5.75  | 2.46  | 1.73  | 2.52  |        |
| April .....   |      |      |      |      |      |      | 2.92  | 1.57  | .35   | 1.13  |        |
| May .....     |      |      |      |      |      |      | 1.33  | 2.62  | 1.69  | 2.16  |        |
| June .....    |      |      |      |      |      |      | 1.47  | 3.05  | 1.31  | 1.00  |        |
| July.....     |      |      |      |      |      |      | 2.22  | 2.57  | 2.46  | 1.97  |        |
| August ....   |      |      |      |      |      |      | 3.64  | 2.61  | 1.12  | 4.77  |        |
| September ..  |      |      |      |      |      |      | 2.96  | 1.32  | 5.22  | 1.52  |        |
| October ....  |      |      |      |      |      |      | 4.65  | 3.61  | 3.81  | 5.76  |        |
| November ..   |      |      |      |      |      |      | 5.36  | 6.46  | 3.93  | 3.91  |        |
| December ..   |      |      |      |      |      |      | 4.59  | 4.03  | 3.67  | 2.07  |        |
| TOTALS ..     |      |      |      |      |      |      | 40.40 | 37.45 | 29.85 | 29.96 |        |

1876 Gauge moved from Holm

# RAINFALL AT Pomona Deerness

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

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

 County of Orkney

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

 Observer Rev. C. Houston, LL.D.
Rev. D. Stott

|               |       |        |      |      |      |      |      |      |      |      |        |
|---------------|-------|--------|------|------|------|------|------|------|------|------|--------|
| Diameter .... | 5     |        |      |      |      |      |      |      |      |      |        |
| Height .....  |       |        |      |      |      |      |      |      |      |      |        |
| Altitude .... |       |        |      |      |      |      |      |      |      |      |        |
| Year .....    | 1880  | 1881   | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | MEANS. |
| January ....  | 2.06  | .90    |      |      |      |      |      |      |      |      |        |
| February .... | 4.44  | 5.62   |      |      |      |      |      |      |      |      |        |
| March .....   | 1.86  | 2.31   |      |      |      |      |      |      |      |      |        |
| April .....   | 1.82  | 2.81   |      |      |      |      |      |      |      |      |        |
| May .....     | 1.68  | 2.96   |      |      |      |      |      |      |      |      |        |
| June .....    | 2.37  | 2.27   |      |      |      |      |      |      |      |      |        |
| July .....    | 3.31  | 6.37   |      |      |      |      |      |      |      |      |        |
| August .....  | 2.0   | 1.92   |      |      |      |      |      |      |      |      |        |
| September...  | 3.25  | .61    |      |      |      |      |      |      |      |      |        |
| October ..... | 4.15  | 3.70   |      |      |      |      |      |      |      |      |        |
| November....  | 5.75  | 3.19   |      |      |      |      |      |      |      |      |        |
| December .... | 4.40  | (5.15) |      |      |      |      |      |      |      |      |        |
| TOTALS ....   | 35.29 | 37.81  |      |      |      |      |      |      |      |      |        |

1881 Decr. Gauge out of repair amount estimated

# RAINFALL AT

Pomona Stenness & Doerness

Lat. 58° 39' N.

Lon. 3° 13' W.

County of

Orkney

Rain Gauge, by

Observer

The Meteor Council

|               |      |        |       |       |       |       |       |       |       |       |        |
|---------------|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter .... |      |        |       |       |       |       |       |       |       |       |        |
| Height .....  |      |        | 1 0   |       |       |       |       |       |       |       |        |
| Altitude .... |      |        | 170   |       |       |       |       |       |       |       |        |
| Year .....    | 1890 | 1891   | 1892  | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |
| January ....  |      | 2.95   | 4.77  | 3.60  | 4.01  | 3.38  | 3.32  | 2.23  | 3.55  | 4.33  |        |
| February .... |      | 2.02   | 3.35  | 2.66  | 3.72  | 1.04  | 2.49  | 1.60  | 5.89  | 1.50  |        |
| March .....   |      | 2.94   | 1.45  | 2.50  | 2.22  | 2.04  | 3.18  | 3.44  | 3.60  | 3.42  |        |
| April .....   |      | .83    | 2.02  | 1.14  | .48   | 2.93  | 1.66  | 1.60  | 2.69  | 2.56  |        |
| May .....     |      | 2.27   | 3.12  | 1.45  | 2.37  | .91   | 2.01  | 1.72  | 3.36  | 2.89  |        |
| June .....    |      | 1.42   | 2.12  | .41   | 1.67  | 2.81  | 3.19  | .86   | 1.22  | 2.16  |        |
| July .....    |      | 4.90   | 2.67  | 3.04  | 4.71  | 2.49  | 3.12  | 1.90  | 2.68  | 2.50  |        |
| August .....  |      | (4.67) | 3.25  | 1.87  | 3.90  | 2.76  | 3.01  | 1.97  | 3.05  | 1.44  |        |
| September.... | 3.86 | 5.37   | 3.29  | 5.24  | 1.22  | 2.77  | 6.23  | 4.66  | 4.12  | 4.59  |        |
| October ..... | 5.53 | 1.88   | 4.72  | 7.07  | 2.88  | 4.68  | 5.80  | 3.07  | 3.52  | 3.46  |        |
| November....  | 7.14 | 2.43   | 3.91  | 6.11  | 1.41  | 2.89  | 2.67  | 3.43  | 4.42  | 3.95  |        |
| December .... | 1.78 | 3.14   | 2.38  | 4.21  | 2.99  | 6.06  | 5.19  | 3.76  | 6.45  | 3.42  |        |
| TOTALS ....   |      |        | 37.05 | 39.30 | 31.58 | 34.76 | 41.87 | 30.24 | 44.55 | 36.22 |        |

1891 Aug. Gauge moved from Stenness to Doerness



# RAINFALL AT *Omaha Deerness*

Lat. ....

Lon. ....

County of *Orkney*

Rain Gauge, by .....

Observer *Dr Buchanan FRS*

*Sea level*

|              |       |       |       |       |       |       |       |       |       |       |        |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ..  | ...   |       |       |       |       |       | 5     |       |       |       |        |
| Height ....  | 10    |       |       |       |       |       |       |       |       |       |        |
| Altitude ..  | 172   |       |       |       |       |       |       | 161   |       |       |        |
| Year ....    | 1900  | 1901  | 1902  | 1903  | 1904  | 1905  | 1906  | 1907  | 1908  | 1909  | MEAN.  |
| January ..   | 3.50  | 3.18  | 3.28  | 3.30  | 2.44  | 3.73  | 3.25  | 4.23  | 3.41  | 3.95  | 3.427  |
| February ..  | 2.47  | 2.31  | 2.23  | 5.03  | 2.62  | 4.32  | 3.60  | 3.51  | 4.26  | 1.87  | 3.222  |
| March ....   | 1.95  | 2.01  | 3.05  | 2.18  | 2.15  | 2.80  | 2.18  | 2.65  | 4.39  | 1.71  | 2.507  |
| April .....  | 2.16  | 2.67  | 1.51  | 3.13  | 4.28  | 2.59  | 2.19  | 1.79  | 2.28  | 1.71  | 2.431  |
| May .....    | 1.29  | 1.43  | 1.90  | 1.29  | 1.64  | 1.57  | 3.02  | 1.16  | 2.72  | 1.58  | 1.760  |
| June .....   | 1.36  | 3.26  | 1.51  | 1.29  | 1.71  | 1.44  | 1.03  | 3.70  | 2.86  | 1.98  | 2.014  |
| July .....   | 3.31  | 1.94  | 2.48  | 3.89  | 1.07  | 3.14  | 2.45  | 1.17  | 1.67  | 2.44  | 2.356  |
| August ....  | 1.94  | 3.55  | 2.67  | 4.27  | 2.85  | 2.73  | 3.06  | 4.14  | 2.54  | 3.39  | 3.114  |
| September .. | 2.99  | 1.83  | 2.39  | 2.48  | 2.24  | 2.93  | 3.11  | 1.25  | 3.68  | 2.56  | 2.546  |
| October .... | 4.77  | 4.55  | 2.74  | 5.12  | 3.53  | 5.75  | 2.85  | 3.18  | 1.52  | 5.29  | 3.930  |
| November ..  | 3.89  | 3.56  | 1.54  | 4.61  | 3.33  | 4.28  | 4.83  | 2.45  | 4.35  | 5.39  | 3.823  |
| December ..  | 4.38  | 5.55  | 3.79  | 2.71  | 4.47  | 1.56  | 4.87  | 3.01  | 4.08  | 4.49  | 3.891  |
| TOTALS ..    | 34.01 | 35.84 | 29.09 | 39.30 | 32.33 | 36.84 | 34.44 | 32.24 | 37.76 | 36.36 | 35.021 |

1908. Deerness Church 2 miles E.  
 Kirkwall Shipping Station 10 " W

## RAINFALL at

Pomona, Deerness

County of

Orkney

Observer

Scot. Meteorological Soc.

River Basin

Magnus Spence Esq (1911)

m. o

Rain Gauge, by

|              |       |       |       |       |       |       |       |       |       |       |        |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ... | 5     |       |       |       |       |       |       |       |       |       |        |
| Height ..... | 1 0   |       |       |       |       | 4 6   |       |       |       |       |        |
| Altitude ... | 161   |       |       |       |       |       |       |       | 160   |       |        |
| Year ...     | 1910  | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | MEANS. |
| January ...  | 4.74  | 3.25  | 2.34  | 1.91  | 3.58  | 3.87  | 5.96  | 4.30  | 3.39  | 2.74  |        |
| February ... | 3.03  | 3.00  | 3.17  | 1.78  | 3.46  | 4.04  | 2.89  | 1.16  | 3.23  | 1.35  |        |
| March .....  | 1.91  | 2.08  | 3.84  | 2.72  | 3.81  | 2.32  | 3.06  | 3.10  | 2.02  | 3.02  |        |
| April .....  | 3.47  | 2.77  | 2.89  | 1.87  | 1.24  | 2.34  | 2.08  | 2.48  | 1.72  | 3.53  |        |
| May .....    | 2.12  | 2.15  | 3.77  | 1.50  | 2.77  | .57   | 2.33  | 1.55  | 1.48  | .56   |        |
| June .....   | 1.07  | 2.09  | 1.25  | 2.69  | .92   | .57   | 3.22  | 2.14  | 1.97  | 3.07  |        |
| July .....   | 1.41  | 2.01  | 1.66  | .65   | 3.59  | 1.93  | 1.76  | .48   | 5.24  | 1.21  |        |
| August ..... | 3.27  | 2.88  | 2.98  | 1.30  | 1.59  | 1.71  | 1.01  | 2.31  | 4.77  | 6.86  |        |
| September .. | 1.51  | 2.75  | .83   | 1.98  | 3.14  | 2.58  | 1.71  | 4.36  | 4.20  | 3.78  |        |
| October ...  | 1.67  | 2.19  | 3.79  | 2.53  | 2.91  | 1.06  | 6.19  | 7.00  | 3.32  | 2.67  |        |
| November ..  | 4.78  | 4.64  | 3.76  | 5.34  | 4.47  | 3.90  | 4.08  | 6.35  | 3.00  | 6.13  |        |
| December ... | 3.91  | 4.18  | 4.34  | 4.50  | 4.01  | 6.66  | 4.15  | 2.80  | 6.04  | 6.56  |        |
| TOTALS ...   | 32.89 | 33.99 | 34.62 | 28.77 | 35.49 | 31.55 | 38.44 | 38.03 | 40.38 | 41.48 | 35.64  |

1914 Stone dyke  $\overline{3\frac{1}{2}}$  ft. high 16 ft. N.E.W

| Date. | Lat. N. | Long.  | Railway Station. | Distance. | Direction.              | Church.   | Distance. | Direction. |
|-------|---------|--------|------------------|-----------|-------------------------|-----------|-----------|------------|
| 1912  |         |        | Thurso           | 50        | (1914)<br>S.W.<br>miles | Deerness. | 1 m.      | N.E.       |
| 1914  | 58° 56' | 2° 45' |                  |           |                         |           |           |            |

RAINFALL at Pomona, DeernessCounty of OrkneyObserver W. Delday Esq. died

River Basin

1 Wg Moor4.0 Rain Gauge, by

|               |       |       |       |       |       |       |       |       |       |       |               |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| Diameter ...  | 5     |       | 5     |       |       |       |       |       |       |       |               |
| Height .....  | 4.0   |       | 4.0   |       |       |       |       |       |       | 1.0   |               |
| Altitude ...  | 161   |       | 161   |       |       |       |       |       |       |       |               |
| Year .....    | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  | 1930<br>MEAN. |
| January ...   | 4.72  | 5.50  | 2.96  | 5.11  | 3.04  | 2.96  | 3.20  | 3.98  | 5.18  | 1.35  | 3.08          |
| February ...  | 4.38  | 2.15  | 1.99  | 3.65  | 3.39  | 3.80  | 2.00  | 2.19  | 3.40  | 1.07  | 0.885         |
| March .....   | 4.16  | 3.25  | 2.25  | 5.2   | 1.86  | 3.04  | 5.35  | 2.24  | 2.35  | .89   | 1.74          |
| April .....   | 1.72  | 1.50  | 3.26  | 3.19  | 1.81  | 2.35  | 3.80  | 6.10  | 1.61  | 1.49  | 2.19          |
| May .....     | 3.40  | 2.24  | 2.51  | 3.97  | 1.96  | 2.68  | 1.63  | 1.83  | 1.51  | 1.73  | 2.68          |
| June .....    | .82   | 1.95  | 1.32  | 2.11  | 1.72  | 1.46  | 2.21  | 3.10  | 1.90  | 3.30  | 1.93          |
| July .....    | 2.15  | 2.80  | 3.10  | 3.11  | 2.55  | 1.74  | 1.63  | 1.72  | 2.31  | 1.48  | 1.63          |
| August .....  | 1.77  | 2.82  | 2.48  | 4.61  | 3.13  | 2.21  | 2.95  | 1.23  | 1.35  | 4.80  | 4.77          |
| September...  | 3.41  | 3.79  | 2.76  | 5.41  | 5.03  | 3.49  | 4.76  | 3.34  | 2.22  | 5.94  | 4.43          |
| October ..... | .73   | 3.88  | 1.98  | 6.81  | 3.35  | 4.40  | 8.62  | 6.15  | 3.78  | 6.13  | 4.88          |
| November...   | 5.74  | 2.90  | 2.90  | 6.16  | 2.62  | 2.25  | 3.87  | 4.50  | 4.28  | 4.45  | 4.26          |
| December...   | 3.29  | 7.57  | 4.96  | 4.35  | 2.26  | 2.74  | 5.46  | 1.34  | 4.05  | 5.71  | 3.72          |
| TOTALS...     | 35.99 | 40.35 | 32.47 | 49.00 | 32.42 | 33.12 | 45.48 | 37.72 | 33.94 | 38.34 | 35.56         |

1930 Height of gauge reduced from 54" to 44" in June 1930

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

Map, 2 miles to 1 inch Series

Reference No.

| Date. | Lat. N. | Long.  | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|--------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1914  | 58° 56' | 2° 45' | Thurso           | 0.0 mi              | S W                  | Deerness       | 1 mi                | N E                  |



RAINFALL at Pomona (Deerness) M.W.R.County of Orkney Observer Meteorological OfficeRiver Basin..... W. J. Moir Esq.Type of Gauge M. O. Standard 1936Annual Average 35.4 in. based on 35 years obs. un-weighted. Period of average 1681-1915 Ref. R.P.N.

| Diameter  | 5.      |         |       |       |       |       |       |       |      |      |       |
|-----------|---------|---------|-------|-------|-------|-------|-------|-------|------|------|-------|
| Height    | 1. 0.   |         |       |       |       |       |       |       |      |      |       |
| Altitude  | 160.    |         |       |       |       |       |       |       |      |      |       |
| Year      | 1931    | 1932    | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939 | 1940 | Means |
| January   | 5.30    | 4.51    | 2.19  | 3.36  | 4.86  | 4.76  | 5.88  | 5.26  | 5.02 |      |       |
| February  | 4.33    | .66     | 3.98  | 3.82  | 2.98  | 2.09  | 4.78  | 2.82  | 3.83 |      |       |
| March     | 1.99    | 3.19    | 2.58  | 2.78  | 2.77  | 1.55  | 2.55  | 3.07  | 2.30 |      |       |
| April     | 2.38    | 3.41    | 2.17  | 4.27  | 2.99  | 1.08  | .92   | 1.44  | 1.52 |      |       |
| May       | 4.74    | 1.14    | 1.48  | 2.16  | .53   | 1.23  | .36   | 3.17  | .69  |      |       |
| June      | 2.06    | 1.00    | 1.04  | 1.10  | 1.53  | 1.50  | 2.70  | 4.30  | 1.20 |      |       |
| July      | 1.54    | (2.62)  | 1.25  | 3.71  | 3.20  | 3.79  | 1.65  | 2.85  | 5.29 |      |       |
| August    | .51     | 2.97    | 2.12  | 3.79  | 3.80  | 3.07  | 2.35  | 2.48  | 1.96 |      |       |
| September | .81     | (4.09)  | 1.19  | 3.49  | 4.61  | 2.98  | 3.12  | 2.29  | 1.98 |      |       |
| October   | (4.50)  | 4.57    | 2.63  | 5.90  | 6.46  | 4.21  | 2.54  | 6.35  |      |      |       |
| November  | 2.73    | 4.53    | 2.79  | 2.65  | 5.20  | 2.98  | 1.83  | 4.39  |      |      |       |
| December  | 5.64    | 2.73    | 1.61  | 3.26  | 3.94  | 3.32  | 2.22  | 4.42  |      |      |       |
| TOTALS    | (36.53) | (35.42) | 24.98 | 40.29 | 42.87 | 32.56 | 30.90 | 42.84 | in.  |      |       |

1932. July &amp; September estimated by surrounding stations.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
|       |         |       |                  |                     |                      | Deerness       | 12 m                | E                    |

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.