

# RAINFALL AT *Fettercairn, Fisque Gardens*

Lat. *56 52 N*

Lon. *2 34 W.* County of *Kingcardine*

Rain Gauge, by *A. F. N. Co. of, &c.* Observer *Sir J. R. Gladstone, Bart.*  
*W. K. 1891*

|               |      |      |       |       |       |       |       |       |       |       |        |  |
|---------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Diameter .... |      |      |       |       |       |       |       |       |       |       |        |  |
| Height .....  |      |      |       |       |       |       |       |       |       |       |        |  |
| Altitude .... |      |      |       |       |       |       |       |       |       |       |        |  |
| Year .....    | 1890 | 1891 | 1892  | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |  |
| January ....  |      |      | 2.54  | 3.45  | 3.73  | 3.61  | 1.15  | 2.24  | .78   | 5.04  |        |  |
| February .... |      |      | 2.95  | 3.36  | 5.04  | 1.70  | 1.01  | 1.25  | 1.75  | 3.44  |        |  |
| March .....   |      |      | 1.73  | 1.03  | 1.26  | 3.95  | 1.81  | 5.80  | 2.13  | 2.86  |        |  |
| April .....   |      |      | .21   | 1.11  | 1.40  | 1.36  | 1.04  | 2.23  | 8.26  | 4.66  |        |  |
| May .....     |      |      | 3.31  | 2.31  | 5.50  | .58   | 1.38  | 2.21  | 2.00  | 3.78  |        |  |
| June .....    |      |      | 3.30  | 3.37  | 1.81  | 2.62  | 2.09  | 4.11  | 1.13  | 2.34  |        |  |
| July .....    |      |      | 2.47  | 2.52  | 2.87  | 5.10  | 4.21  | 1.79  | .98   | 2.87  |        |  |
| August .....  |      |      | 4.29  | 3.27  | 6.06  | 5.00  | 2.30  | 4.13  | 3.49  | .80   |        |  |
| September.... |      |      | 2.09  | 3.68  | .80   | 1.34  | 3.70  | 2.05  | 1.70  | 2.76  |        |  |
| October.....  |      |      | 6.95  | 2.02  | 3.74  | 3.90  | 5.01  | 2.52  | 4.97  | 2.85  |        |  |
| November....  |      |      | 3.23  | 4.71  | 2.34  | 5.06  | 1.68  | 2.81  | 5.44  | 2.34  |        |  |
| December .... |      |      | .80   | 2.30  | 3.24  | 4.11  | 7.52  | 4.97  | 2.49  | 5.03  |        |  |
| TOTALS . . .  |      |      | 33.87 | 33.13 | 37.79 | 38.33 | 32.90 | 36.11 | 35.12 | 38.77 |        |  |

1892-1903 recd. *VI. 12*; entd *29. VII. 12*.

*Fettercairn Ch. 1 m. S. E.*

*Laurencekirk Str. 6 m. E.*

RAINFALL AT *Fettercairn Faeque Gardens*Lat. *56 52 N*Lon. *2 34 W*County of *Kincardine*Rain Gauge, by *A. N. App. Sec*Observer *Sir J. R. Gladstone Bart**North Pole & C - 1.*

|              |       |       |       |       |       |       |       |       |       |       |        |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ..  |       |       |       |       | 5     |       |       |       |       |       |        |
| Height ....  |       |       |       |       |       |       |       | 1.6   |       | 1.0   |        |
| Altitude ..  |       |       |       |       | 310   |       |       | 320   |       |       |        |
| Year ....    | 1900  | 1901  | 1902  | 1903  | 1904  | 1905  | 1906  | 1907  | 1908  | 1909  | MEANS. |
| January ..   | 5.85  | 1.38  | 1.24  | 4.99  | 1.90  | .63   | 2.92  | 1.54  | 3.08  | 1.56  |        |
| February ..  | 5.82  | 3.39  | 1.86  | 4.36  | 5.46  | 1.81  | 2.17  | 1.70  | 1.16  | .93   |        |
| March ....   | 2.59  | 2.56  | 1.82  | 3.57  | 2.65  | 4.17  | 2.03  | 1.66  | 5.02  | 4.72  |        |
| April .....  | 2.19  | 3.06  | 2.84  | 2.22  | 1.67  | 3.62  | 1.73  | 2.93  | 1.84  | 3.43  |        |
| May .....    | 3.58  | 2.05  | 3.64  | 1.81  | 3.12  | 1.76  | 5.98  | 6.81  | 1.40  | 3.44  |        |
| June .....   | 3.66  | 2.12  | 2.46  | 2.28  | .80   | .61   | .84   | 5.06  | 1.44  | 1.36  |        |
| July .....   | 5.51  | .90   | 3.31  | 5.97  | 1.16  | 1.88  | 1.65  | 2.21  | 2.78  | 5.32  |        |
| August ....  | 4.65  | 3.70  | 3.80  | 4.18  | 4.94  | 4.04  | 4.98  | 3.01  | 3.55  | 2.12  |        |
| September .. | 2.82  | 1.74  | 2.36  | 3.70  | 2.36  | 1.96  | 1.16  | 1.46  | 4.45  | 1.19  |        |
| October .... | 2.89  | 2.73  | 1.29  | 6.86  | 1.56  | 2.99  | 6.37  | 4.92  | 4.02  | 3.68  |        |
| November ..  | 5.67  | 1.56  | 5.18  | 1.55  | 1.42  | 8.31  | 5.64  | 2.47  | 2.32  | 1.17  |        |
| December ..  | 5.06  | 4.50  | 5.18  | 3.77  | 3.99  | 1.38  | 3.87  | 4.29  | 4.99  | 4.55  |        |
| TOTALS ..    | 50.29 | 29.69 | 34.98 | 45.26 | 31.03 | 33.16 | 39.37 | 38.26 | 36.05 | 36.47 |        |

1904 Fettercairn Church, 1 mile SE

Laurenschink Station 6 E

Wall 8 ft high 20 yards N

1892-1903 recd *gr VI 12*; entd *29. VII. 12*

RAINFALL at Fettercairn, Fasque Gardens

5615

County of KincardineObserver Miss J. R. Gladstone Bart.River Basin North Esk & Co. 1

Snowdon (1912) Rain Gauge, by

|              |       |       |       |       |       |       |       |       |      |       |        |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--------|
| Diameter ... | 5     |       |       |       |       |       |       |       |      |       |        |
| Height ..... | 1 0   |       |       |       |       |       |       |       |      |       |        |
| Altitude ... | 320 T |       |       |       | 330   |       |       |       |      | 320   |        |
| Year ...     | 1910  | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918 | 1919  | MEANS. |
| January ...  | 2.25  | 1.75  | 4.64  | 5.11  | 1.97  | 3.26  | 2.00  | 2.62  |      | 4.70  |        |
| February ... | 3.33  | 1.33  | 3.90  | 1.07  | 3.16  | 6.38  | 3.26  | 1.34  |      | 2.19  |        |
| March .....  | 1.70  | 2.40  | 2.29  | 5.35  | 4.43  | 1.66  | 3.61  | 2.60  |      | 2.45  |        |
| April .....  | 3.42  | 1.85  | .49   | 3.24  | .59   | .87   | 2.52  | 1.45  |      | 4.21  |        |
| May .....    | 2.41  | 1.39  | 1.61  | 5.15  | 3.16  | .97   | 3.98  | 2.35  |      | 1.18  |        |
| June .....   | 1.75  | 2.22  | 2.37  | 2.50  | .73   | .61   | 3.52  | 1.51  |      | 1.06  |        |
| July .....   | 2.42  | 2.87  | 2.11  | .86   | 2.65  | 4.58  | 6.46  | 1.12  |      | .66   |        |
| August ..... | 6.61  | 1.36  | 4.98  | 1.36  | 1.99  | 2.18  | 3.82  | 6.28  |      | 3.23  |        |
| September .. | 1.19  | 1.43  | 3.35  | 3.75  | .76   | 1.92  | 1.19  | 2.83  |      | 3.02  |        |
| October ...  | 2.74  | 3.04  | 5.13  | 2.10  | 3.76  | 4.30  | 5.72  | 3.76  |      | 3.46  |        |
| November ..  | 4.82  | 4.95  | 2.92  | 1.54  | 3.72  | 3.97  | 5.30  | 3.50  |      | 5.52  |        |
| December ... | 4.80  | 7.96  | 2.48  | 1.74  | 6.06  | 8.25  | 5.47  | .89   |      | 6.72  |        |
| TOTALS ...   | 37.44 | 32.55 | 36.27 | 33.78 | 32.98 | 38.95 | 46.85 | 30.25 | NR   | 38.60 |        |

1914. Well 10 ft. high 75 ft. N

| Date. | Lat. N. | Long.  | Railway Station. | Distance. | Direction. | Church.     | Distance.  | Direction. |
|-------|---------|--------|------------------|-----------|------------|-------------|------------|------------|
| 1911  | 56° 52' | 2° 31' | Lamencekirke     | 6 mls.    | S.         | Fettercairn | 1 1/4 mile | S          |



RAINFALL at Fettercairn, JaqueCounty of KincardineObserver Sir John R. Gladstone Bart. M.D. 22River Basin Yorkshire 6 1

(1926) M.O. Rain Gauge, by

(1926) Mr J. Fraser.  
(1927) Authn. by Sir J. R. Gladstone Bart.  
Mr John Giff  
J. Mann (agent)

|               |      |       |       |      |       |       |       |       |       |       |                           |
|---------------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|---------------------------|
| Diameter ...  |      | 5     |       |      |       |       |       |       |       |       |                           |
| Height .....  |      | 1 0   |       |      |       |       |       |       |       | 0.10  |                           |
| Altitude ...  |      | 330   |       |      | 350   |       |       |       |       |       | 320'<br>1920.<br>M.A.S.S. |
| Year .....    | 1920 | 1921  | 1922  | 1923 | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  |                           |
| January ...   |      | 2.35  | 3.66  |      | 3.66  | 2.14  | 5.15  | 2.14  | 5.53  | 2.13  | 3.27                      |
| February ...  |      | .64   | 1.66  |      | 1.66  | 5.68  | 4.86  | 1.71  | 1.30  | 3.43  | 1.89                      |
| March .....   |      | 2.50  | 1.05  |      | 1.05  | 2.11  | 1.02  | 3.58  | 5.42  | .20   | 1.62                      |
| April .....   |      | 1.47  | 2.27  |      | 2.27  | 4.06  | 3.29  | 1.66  | 1.87  | 2.17  | 4.21                      |
| May .....     |      | 1.70  | 4.88  |      | 4.88  | 4.19  | 2.58  | 3.14  | 1.78  | 2.23  | 1.56                      |
| June .....    |      | .83   | 1.63  |      | 1.63  | .69   | 3.66  | 3.27  | 3.00  | 2.51  | 2.61                      |
| July .....    |      | 2.05  | 5.26  |      | 5.26  | 2.91  | 2.29  | 1.63  | 2.82  | 4.68  | 2.06                      |
| August .....  |      | 2.09  | 4.57  |      | 4.57  | 2.25  | 2.16  | 4.01  | 5.59  | 3.78  | 7.20                      |
| September...  |      | 1.32  | 4.18  |      | 4.18  | 3.00  | 3.74  | 5.54  | 2.81  | .81   | 5.83                      |
| October ..... |      | 1.48  | 5.10  |      | 5.10  | 3.09  | 5.45  | 5.66  | 3.96  | 3.19  | 3.60                      |
| November...   |      | 3.53  | 2.57  |      | 2.57  | 1.93  | 6.62  | 4.29  | 3.57  | 4.92  | 4.33                      |
| December...   |      | 2.06  | 4.23  |      | 4.23  | 3.71  | .78   | 3.32  | 3.13  | 7.35  | 5.21                      |
| TOTALS...     |      | 22.02 | 41.56 |      | 41.06 | 35.76 | 41.60 | 39.95 | 40.38 | 37.40 | 43.49                     |

1929. Brick wall 10' high, 54' N.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1926. |         |       | Lawrencekirk     | 6 mi                | S.E.                 | Fettercairn    | 1 mi                | S.E.                 |

RAINFALL at Fettercairn (Jaques)County of LincolshireObserver Sir J.E. Gladstone, Bt.River Basin 1-North Esk & c.James Mann Esq. (D.R. 1936)

Type of Gauge.....

Annual Average 36.9 in. based on 22 years obs. un-weighted. Period of average 1891-1915 Ref. 5

| Diameter .....  | 5.     |       |       |       |       |       |       |       |       |       |       |  |
|-----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Height .....    | 0. 10. |       |       |       |       |       |       |       |       |       |       |  |
| Altitude .....  | 320.   |       |       |       |       |       |       |       |       |       |       |  |
| Year .....      | 1931   | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Means |  |
| January .....   | 3.67   | 3.01  | 2.78  | 2.70  | 1.81  | 5.72  | 7.40  | 4.40  | 4.31  | 1.85  |       |  |
| February .....  | 2.31   | .38   | 3.28  | .26   | 2.64  | 4.15  | 4.00  | 1.33  | 2.93  | 2.71  |       |  |
| March .....     | 1.64   | 3.31  | 2.41  | 3.03  | 1.96  | 2.65  | 4.72  | .72   | 3.55  | 3.18  |       |  |
| April .....     | 3.21   | 3.57  | 1.98  | 7.52  | 5.04  | .92   | 2.06  | .79   | .77   | 1.96  |       |  |
| May .....       | 3.83   | 4.09  | 1.14  | 3.46  | 2.20  | 1.57  | 1.77  | 3.24  | 1.39  | 1.70  |       |  |
| June .....      | 5.39   | .97   | 1.80  | 1.07  | 4.35  | 1.32  | 1.93  | 4.60  | 1.56  | .31   |       |  |
| July .....      | 4.54   | 4.43  | 2.88  | 2.43  | 1.58  | 6.13  | 3.58  | 5.39  | 5.35  | 6.78  |       |  |
| August .....    | 3.72   | .85   | 1.83  | 3.96  | 2.24  | 1.47  | 4.58  | 2.05  | 1.90  | 1.00  |       |  |
| September ..... | 1.31   | 2.15  | 2.45  | 3.89  | 4.55  | 3.49  | 1.68  | 3.15  | 2.71  | 2.29  |       |  |
| October .....   | 1.39   | 7.73  | 5.15  | 4.64  | 6.02  | 1.57  | 2.84  | 4.30  | 5.88  | 5.16  |       |  |
| November .....  | 7.21   | 1.83  | 4.55  | 1.67  | 6.14  | 2.14  | 1.10  | 4.66  | 5.18  | 6.67  |       |  |
| December .....  | 1.84   | 2.92  | 2.07  | 6.88  | 3.03  | 2.43  | 5.74  | 4.73  | 2.01  | 2.98  |       |  |
| TOTALS .....    | 40.06  | 35.24 | 30.82 | 41.50 | 41.06 | 33.56 | 44.40 | 39.36 | 37.54 | 36.59 |       |  |
|                 | D.     | 3     | 3     | 7.    | D.    | D     | D     | D     | D     | D     |       |  |

1931. Wall 9' high 50' N.

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

No. of Map.....

Reference No.....

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1931. |         |       | Lamencekirk      | 6m.                 | S.        | Fettercairn    | 1m.                 | S.        |

Station No.

5615

RAINFALL at Fettercairn (Faeque)

41

County of KircaldieObserver James Mann Esq.River Basin 1- North Esk & C.A. C. Gladstone Esq. (1946)

Type of Gauge.....

Annual Average 36.0 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No.

| Diameter  | 5"     |       |       |       | 854    | 310   |       |       |       |       |       |
|-----------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| Height    | 0' 10" |       |       |       |        | 1     |       |       |       |       |       |
| Altitude  | 220'   |       |       |       |        | 41    |       |       |       |       |       |
| Year      | 1941   | 1942  | 1943  | 1944  | 1945   | 1946  | 1947  | 1948  | 1949  | 1950  | Means |
| January   | 3.18   | 5.46  | 4.57  | 1.99  | 4.61   | 1.81  | 4.98  | 4.04  | 1.34  | 2.29  |       |
| February  | 7.25   | 2.25  | 1.67  | 1.45  | (2.75) | 1.48  | 2.10  | 2.76  | 2.05  | 2.94  |       |
| March     | 2.26   | 2.27  | .80   | .90   | (0.50) | 2.38  | 3.71  | 1.05  | 1.99  | 2.81  |       |
| April     | 2.16   | 2.19  | 1.35  | 2.51  | 1.62   | .40   | 3.18  | 1.50  | 1.68  | 2.06  |       |
| May       | 2.60   | 4.02  | 5.97  | 3.06  | 5.10   | 1.96  | 4.86  | 3.91  | 1.83  | 1.45  |       |
| June      | 2.10   | 1.28  | 2.15  | 3.04  | 3.38   | 3.29  | 1.61  | 4.10  | 1.34  | .88   |       |
| July      | 2.84   | 3.35  | 1.63  | 2.10  | 2.49   | 4.97  | 2.29  | 2.18  | 3.09  | 4.75  |       |
| August    | 3.88   | 3.21  | 3.81  | 1.66  | 4.70   | 3.82  | .06   | 5.93  | 3.79  | 3.13  |       |
| September | 1.00   | 2.98  | 2.87  | 2.83  | 2.87   | 5.34  | 2.73  | 2.66  | 1.90  | 7.34  |       |
| October   | 5.27   | 3.55  | 3.19  | 6.10  | 4.93   | .63   | 2.38  | 3.34  | 4.07  | 1.26  |       |
| November  | 7.47   | 0.76  | 3.13  | 5.16  | 2.39   | 7.28  | 2.95  | 1.65  | 4.92  | 3.91  |       |
| December  | 1.11   | 4.09  | 1.19  | 3.43  | 6.21   | 4.91  | 2.73  | 5.03  | 3.18  | 2.08  |       |
| TOTALS    | 41.12  | 35.41 | 32.33 | 34.23 | 41.55  | 38.27 | 33.58 | 38.15 | 31.18 | 34.90 |       |

1945 Feb. &amp; March est'd.

30004

1950 Oct. 1st. corr. to agree with surrounding stations

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

No. of Map.....

Reference No.....

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

BRITISH RAINFALL ORGANIZATION



RAINFALL at Pettercairn (Frasque)Station No. 5615

51

County of KincardineObserver A. G. Gladstone Esq.River Basin North Esk & C-1

Sir Gilbert Gladstone (1955)

Type of Gauge.....

Annual Average 36.0 in. based on 32 years obs. ~~un~~ weighted. Period of average 1881-1915 Ref. S

37.2

File No. ....

|               |        |       |       |       |       |       |       |       |       |       |       |
|---------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diameter ...  | 5"     |       |       |       | 834   | 310   |       |       |       |       |       |
| Height ...    | 0' 10" |       |       |       |       | 1     |       |       |       |       |       |
| Altitude ...  | 320'   |       |       |       |       | 51    |       |       |       |       |       |
| Year ...      | 1951   | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means |
| January ...   | 4.98   | 1.76  | .43   | 1.51  | 1.61  | 4.82  | 3.31  | 4.63  | 2.49  | 6.77  |       |
| February ...  | 3.78   | 1.38  | 1.02  | 2.28  | 3.69  | 1.81  | 3.27  | 3.69  | 0.39  | 3.50  |       |
| March ...     | 3.22   | 4.70  | .24   | 2.50  | 1.89  | 1.85  | 3.30  | 6.11  | 1.98  | 2.90  |       |
| April ...     | 3.29   | 1.83  | 3.40  | .97   | .76   | 1.48  | 1.23  | 2.45  | 2.68  | 2.83  |       |
| May ...       | 1.30   | 2.99  | 2.36  | 3.89  | 2.91  | .84   | 1.94  | 3.55  | 1.68  | 1.27  |       |
| June ...      | 2.24   | 3.18  | 1.54  | 1.76  | 1.14  | 3.29  | 1.84  | 2.77  | 4.30  | 1.73  |       |
| July ...      | 4.66   | 2.01  | 3.51  | 2.31  | .98   | 4.84  | 5.25  | 6.46  | 2.51  | 4.33  |       |
| August ...    | 4.07   | 2.36  | 1.85  | 2.44  | .78   | 6.33  | 7.65  | 4.09  | 0.82  | 4.61  |       |
| September ... | 2.10   | 0.74  | 2.43  | 2.20  | 2.47  | 4.99  | 2.68  | 3.61  | 0.87  | 3.64  |       |
| October ...   | 1.14   | 3.67  | 1.59  | 6.32  | 3.75  | 3.06  | 1.86  | 1.99  | 4.63  | 10.48 |       |
| November ...  | 9.99   | 3.09  | 2.73  | 7.17  | 2.89  | 1.37  | 1.78  | .97   | 7.09  | 5.87  |       |
| December ...  | 2.46   | 3.85  | 3.44  | 4.22  | 5.79  | 5.21  | 4.42  | 5.39  | 7.20  | 2.49  |       |
| TOTALS ...    | 43.23  | 31.56 | 24.54 | 37.54 | 28.66 | 38.89 | 38.53 | 45.71 | 36.64 | 50.42 |       |
|               | D      | D     | n.p.  | n.p.  | D     | D     | D     | D     | D     | D     |       |

1952. low but accept.

1953. n.p. low.

1954 n.p. low

1956 Inst. No. Ed. 29/5/56. Gauge leaking, and horizontal tube delivery tube missing. new gauge ordered. Site overhauled and recommend move 25' W.

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference NO(37)649757

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

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19    | 1920-30       | 1931-40 | 1941-50   | 1951-60 |
|----------------|------------|---------------|---------|-----------|---------|
|                | 1910-17.19 | 1921.22.24-30 | ✓       | ✓         |         |
|                | —          | D 28-30       | ✓       | Shuld'ns. |         |