

RAINFALL at Lanaghan (Ardara)County of DumfriesObserver M. J. B. RobertsonRiver Basin 5 - EstType of Gauge Snowdon (B)Annual Average in. based on years obs. un-weighted. Period of average Ref.

| Diameter | | | | | | | | 5" | | | |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------------------|
| Height | | | | | | | | 4' 0" | | | |
| Altitude | | | | | | | | 445' | | | |
| Year | 1910 1901 | 1911 1902 | 1912 1903 | 1913 1904 | 1914 1905 | 1915 1906 | 1916 1907 | 1917 1908 | 1918 1909 | 1919 1910 | Means |
| January | | | | | | | 790 | 3.71 | 5.47 | 6.00 | Totals 16-19 23.05 |
| February | | | | | | | 440 | 1.05 | 6.17 | 0.98 | 12.60 |
| March | | | | | | | 330 | 2.37 | 1.89 | 4.40 | 11.76 |
| April | | | | | | | 420 | 2.95 | 0.95 | 3.20 | 11.36 |
| May | | | | | | | 390 | 3.84 | 3.00 | 1.46 | 12.20 |
| June | | | | | | | 290 | 2.66 | 1.08 | 2.22 | 8.86 |
| July | | | | | | | 600 | 2.48 | 5.12 | 1.11 | 14.7 |
| August | | | | | | | 430 | 9.84 | 4.95 | 4.09 | 23.88 |
| September | | | | | | | 260 | 5.70 | 8.36 | 5.84 | 22.50 |
| October | | | | | | | 990 | 8.71 | 5.77 | 2.93 | 27.31 |
| November | | | | | | | 610 | 5.47 | 3.50 | 4.86 | 19.93 |
| December | | | | | | | 450 | 3.40 | 6.00 | 9.12 | 23.02 |
| TOTALS | | | | | | | 7600 | 52.18 | 52.06 | 46.21 | 210.45 9.7 |

Back years entered June 1946: 1917-1944 In close agreement with Gues. Howard 6/46

W. J. B. R. M.

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 Langholm (Askleton)County of Dumfries Observer Mr. I. B. RobertsonRiver Basin 5 - 123Type of Gauge Snowdon (S)

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

| Diameter | 5" | | | | | | | | | | | |
|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------------|
| Height | 4' 0" | | | | | | | | | | | |
| Altitude | 445' | | | | | | | | | | | |
| Year | 1920 1991 | 1921 1992 | 1922 1993 | 1923 1994 | 1924 1995 | 1925 1996 | 1926 1997 | 1927 1998 | 1928 1999 | 1929 2000 | 1930 2001 | Means |
| January | 7.44 | 11.63 | 4.74 | 4.22 | 5.90 | 6.28 | 7.80 | 6.31 | 14.23 | 2.07 | 8.62 | Totals 71.24 |
| February | 6.23 | 0.59 | 5.32 | 6.74 | 1.44 | 8.16 | 6.95 | 3.55 | 6.80 | 1.40 | 0.60 | 47.78 |
| March | 6.70 | 7.85 | 3.38 | 2.25 | 1.04 | 2.11 | 3.32 | 4.82 | 7.10 | 1.02 | 2.95 | 42.54 |
| April | 4.13 | 1.61 | 3.64 | 4.39 | 3.18 | 6.26 | 5.09 | 4.30 | 1.51 | 1.67 | 2.57 | 38.35 |
| May | 6.53 | 2.98 | 3.53 | 2.49 | 6.15 | 7.89 | 3.72 | 2.62 | 1.80 | 2.97 | 2.25 | 42.93 |
| June | 1.94 | 0.69 | 2.20 | 1.81 | 2.67 | 0.90 | 4.35 | 5.50 | 7.76 | 2.81 | 3.14 | 33.77 |
| July | 6.43 | 4.55 | 8.02 | 5.25 | 6.80 | 2.60 | 5.36 | 2.58 | 4.59 | 5.60 | 5.76 | 58.52 |
| August | 3.48 | 6.40 | 4.29 | 12.45 | 4.05 | 5.84 | 6.27 | 6.80 | 9.52 | 8.54 | 10.13 | 77.77 |
| September | 2.83 | 2.09 | 3.34 | 6.79 | 6.06 | 4.46 | 6.05 | 6.36 | 2.87 | 0.83 | 3.96 | 45.64 |
| October | 1.74 | 4.03 | 3.17 | 8.34 | 4.76 | 5.40 | 5.47 | 7.01 | 10.21 | 5.61 | 9.65 | 65.39 |
| November | 4.96 | 2.71 | 2.02 | 6.06 | 3.64 | 1.82 | 9.80 | 5.70 | 8.92 | 9.05 | 6.27 | 60.95 |
| December | 6.47 | 9.67 | 5.80 | 4.65 | 10.25 | 5.61 | 1.40 | 2.27 | 5.82 | 11.12 | 6.08 | 69.14 |
| TOTALS | 58.88 | 54.80 | 49.45 | 65.44 | 55.94 | 57.33 | 65.58 | 58.82 | 81.13 | 52.69 | 61.98 | 662.04 47.5 |

Back years entered June 1946: 1917-1944. In disagreement with 5040
H. Russell. 6/46.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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1920 | | | Langholm | 5m | S | Eves | 1m | S.W. |

BRITISH RAINFALL ORGANIZATION

RAINFALL at Langthorpe (Ankleson)County of DerbyshireObserver Mr. J. B. RobinsonRiver Basin S. 822Type of Gauge Standard (B)

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

| Diameter | 5" | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| Height | 4' 0" | | | | | | | | | | | |
| Altitude | 445' | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means | |
| January | 4.91 | 9.17 | 7.92 | 8.33 | 3.29 | 7.30 | 7.32 | 7.67 | 7.45 | 1.66 | | Totals 65.02 |
| February | 4.34 | 0.24 | 4.78 | 0.26 | 6.71 | 3.42 | 5.86 | 3.12 | 7.03 | 2.28 | | 38.04 |
| March | 1.18 | 3.64 | 3.00 | 4.46 | 1.91 | 3.52 | 2.61 | 3.44 | 5.01 | 6.21 | | 34.98 |
| April | 3.74 | 4.48 | 2.86 | 4.95 | 5.37 | 1.93 | 2.96 | 0.74 | 2.13 | 3.67 | | 32.83 |
| May | 4.48 | 3.79 | 3.13 | 3.62 | 0.82 | 0.50 | 3.26 | 4.58 | 1.10 | 3.42 | | 28.79 |
| June | 7.49 | 2.04 | 2.53 | 3.37 | 6.23 | 3.00 | 3.32 | 7.84 | 5.13 | 1.38 | | 62.33 |
| July | 5.36 | 5.54 | 7.01 | 3.25 | 3.33 | 6.43 | 4.48 | 3.14 | 7.53 | 6.11 | | 57.11 |
| August | 3.67 | 1.45 | 3.53 | 7.29 | 5.61 | 3.15 | 3.38 | 3.15 | 2.72 | 2.17 | | 36.12 |
| September | 2.27 | 6.19 | 0.74 | 6.70 | 6.13 | 6.81 | 4.79 | 4.16 | 2.87 | 4.51 | | 45.17 |
| October | 4.58 | 7.63 | 4.16 | 8.76 | 8.88 | 5.42 | 2.96 | 11.46 | 4.26 | 4.49 | | 62.59 |
| November | 9.06 | 3.88 | 1.81 | 1.47 | 6.17 | 4.97 | 1.37 | 11.64 | 8.10 | 6.12 | | 54.89 |
| December | 4.85 | 9.08 | 1.15 | 7.78 | 2.67 | 7.47 | 4.56 | 4.21 | 2.29 | 6.12 | | 50.18 |
| TOTALS | 55.93 | 57.13 | 42.62 | 60.24 | 57.12 | 53.92 | 46.96 | 70.14 | 55.62 | 48.14 | | 547.82 |

Back years entered June 1946 : 1917-1944. Values in close agreement with 5040. W. Russell. 6/46

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 Lougholm (Dollyton)Station No. 5039/8

41

County of DumfriesshireObserver J. B. Robertson Esq.River Basin 5. FohType of Gauge Standard (B.)Annual Average 51.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915. Ref. A.W.S.

Average for 5040 adopted. " " 35 " " 1916-1950

File No. 1916-1950

| Diameter | 6.7 | 4.0 | 5" | | | | | | | | |
|-----------|-------|-------|-------|-------------------|---------------|-------|---------------|---------------|---------------|-------|-------------|
| Height | | 1 | 4' 0" | 1' (from 1/10/46) | | | | | | OMIT | |
| Altitude | | 41 | 445' | | | | | | | ↓ | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 1.55 | 5.00 | 8.23 | 6.18 | 5.08 | 6.48 | 6.30 | 8.94 | 4.65 | 4.34 | Total 56.75 |
| February | 4.56 | 1.78 | 4.83 | 2.74 | 6.89 | 2.78 | .79 | 5.07 | 6.54 | 5.40 | 40.88 |
| March | 4.69 | 3.14 | 1.95 | 0.44 | 4.49 | 4.19 | 4.42 | 3.79 | 1.98 | 4.96 | 34.55 |
| April | 2.01 | 3.02 | 3.34 | 3.14 | 2.62 | 1.33 | 8.79 | 3.72 | 5.81 | 5.44 | 39.22 |
| May | 3.21 | 5.72 | 5.57 | 3.43 | 5.90 | 1.78 | 3.41 | 2.13 | 2.95 | 3.58 | 37.68 |
| June | 0.80 | 0.94 | 4.60 | 5.37 | 4.72 | 5.60 | 3.53 | 6.84 | 1.10 | 4.57 | 38.07 |
| July | 2.88 | 3.80 | 4.12 | 3.79 | 4.15 | 5.32 | 4.86 | 2.97 | 2.37 | 5.26 | 37.52 |
| August | 7.53 | 5.47 | 6.12 | 5.23 | 2.94 | 5.70 | .07 | 8.87 | 3.33 | 8.31 | 53.57 |
| September | 2.04 | 6.47 | 4.84 | 6.27 | 6.06 | 8.35 | 4.38 | 6.63 | 1.36 | 12.35 | 57.75 |
| October | 5.53 | 5.74 | 7.77 | 4.39 | 5.45 | .91 | 1.54 | 5.60 | 8.16 | 5.04 | 50.13 |
| November | 4.23 | 1.50 | 2.84 | 9.50 | 0.39 | 9.73 | 6.94 | 6.71 | (4.00) | 3.89 | 52.73 |
| December | 2.72 | 7.60 | 2.21 | 6.55 | 3.90 | 5.84 | 2.58 | 6.42 | (9.50) | 2.36 | 49.68 |
| TOTALS | 41.75 | 50.18 | 56.42 | 57.03 | 52.09 m.p. | 58.01 | 48.11 n.p. | 67.69 m.p. | 54.75 Imp. | 65.80 | 551.53 |

1945 House 28' high 30' N. Vinery 15' high 15' NE m.p. site unorthodox

00034 1.703912

Back years entered June 1946: 1917-1944 values on close agreement with 5040.
 Letter d. 1.10.46 Gauge moved to open site in middle of field.
 1947 m.p. check. 1948 N.P. check.

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

No. of Map

Reference No. 33-381914

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge. | Direction from gauge. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1945 | | | Lougholm | 5m | S | Fewo | 1m. | S.W. |

Station No. 5039/9

RAINFALL at Langholm (Archlemon Gardens)

41

County of Dumfriesshire

Observer J. B. Robertson Esq.

River Basin 5-86

Mr Douglas Stephen

Type of Gauge G. Laishan

Annual Average 51.2 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. 2115

Adapted to 5040

File No.

| Diameter | 5 | | | | | | | | | | |
|-----------|-------|------|------|------|------|--------------------------|------------|------------|------------|------------------|-------|
| Height | 1' 0" | | | | | | | | | | |
| Altitude | 445 | | | | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | | | | | | 6.60 | 8.96 | 4.60 | | | |
| February | | | | | | 1.07 | 5.08 | 5.33 | | | |
| March | | | | | | (5.33) | 3.97 | 2.04 | 5.14 | | |
| April | | | | | | # 8.78 | 3.66 | 4.80 | 5.29 | | |
| May | | | | | | 1.78 | 3.37 | 2.11 | 2.88 | 1.82 | |
| June | | | | | | 5.60 | 3.46 | 7.07 | 1.10 | 3.86 | |
| July | | | | | | 5.32 | 4.76 | 3.50 | 2.30 | 6.28 | |
| August | | | | | | 5.70 | .03 | 8.86 | 3.21 | 7.33 | |
| September | | | | | | 7.83 | 4.09 | 7.07 | 1.28 | 10.64 | |
| October | | | | | | .66 | 1.43 | 5.64 | 8.03 | 4.03 | |
| November | | | | | | 9.52 | 6.84 | 4.64 | 6.99 | 4.52 | |
| December | | | | | | 5.84 | 2.58 | 6.40 | (9.50) | 2.02 | |
| TOTALS | | | | | | 12.15 48.34 d.m.p. | 48.34 D | 66.96 D | 52.06 D | 118.86 d.m.p. | |

Gauge formerly at Langholm (Buro) s/n No 5040

1946. Bankflower Roses etc 2' high S.N. until Sept. when gauge moved to new site (open space)

1946 Similarity in monthly totals of this stat. & No. 5039/8 suggests at this readings are not strictly independent.

1949. Dec ext No 3b.

207.61
269.77
479.38Position 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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1946. | | | Langholm | 5 miles | N.E. | Eweo | 1 mile | N.E. |

BRITISH RAINFALL ORGANIZATION

Station No. 5039/9RAINFALL at Langholm (Arkleston Gardens)

51

County of DumfriesObserver Mrs Douglas StephenRiver Basin 5-EskType of Gauge GlaisherAnnual Average 51.4 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. R.W.S.File No.

| | | | | | | | | | | | | |
|---------------|-------|------|------|------|------|------|------|------|------|------|-------|--|
| Diameter ... | 5" | | | | | | | | | | | |
| Height ... | 1' 0" | | | | | | | | | | | |
| Altitude ... | 445' | | | | | | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means | |
| January ... | 7.37 | | | | | | | | | | | |
| February ... | 4.21 | | | | | | | | | | | |
| March ... | 4.76 | | | | | | | | | | | |
| April ... | 4.19 | | | | | | | | | | | |
| May ... | 1.50 | | | | | | | | | | | |
| June ... | 2.22 | | | | | | | | | | | |
| July ... | | | | | | | | | | | | |
| August ... | | | | | | | | | | | | |
| September ... | | | | | | | | | | | | |
| October ... | | | | | | | | | | | | |
| November ... | | | | | | | | | | | | |
| December ... | | | | | | | | | | | | |
| TOTALS ... | | | | | | | | | | | | |

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference NY15381914

| 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 |
|----------------|--|---------|---------|------------------------------------|---------|
| | Arkleston can be omitted for 1917 onwards. | | | mp 46.50. Comp 1946 ✓ D47-49 | |