

RAINFALL AT Alloa W.D. Gaskmann Res

Lat. _____

Lon. _____

County of ClackmannanRain Gauge, by W. Mackie EsqObserver A. Mackie EsqC.L.Form L. Cont - 1.

| | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|-------|-------|-------|--------|
| Diameter ... | | | | | | | | 11 | | | |
| Height | | | | | | | | 10 | | | |
| Altitude ... | | | | | | | | 172 | | | |
| Year ... | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January ... | | | | | | | | .97 | 3.20 | 4.50 | |
| February ... | | | | | | | | 2.01 | 1.87 | 1.20 | |
| March | | | | | | | | 2.90 | 2.85 | 3.25 | |
| April | | | | | | | | 1.35 | .85 | 4.20 | |
| May | | | | | | | | 3.67 | 2.87 | 3.10 | |
| June | | | | | | | | 4.30 | 1.53 | 1.93 | |
| July | | | | | | | | 2.68 | 2.88 | 2.57 | |
| August | | | | | | | | 4.02 | 1.87 | 2.79 | |
| September .. | | | | | | | | 1.60 | 6.95 | 1.56 | |
| October ... | | | | | | | | 5.50 | 1.90 | 4.44 | |
| November .. | | | | | | | | 1.90 | 2.80 | 1.01 | |
| December ... | | | | | | | | 4.90 | 2.20 | 4.30 | |
| TOTALS ... | | | | | | | | 35.80 | 31.77 | 34.85 | |

7.5 7.5 7.5

1907 Clackmannan Ch 1 mile 2 furlongs South

" 7.5

7.5 SSE

Some 21 ft high 60 ft

NNE

Read every Monday morning 9 am & on 1st month

RAINFALL at Alloa W.W., Gartmorn Res. 5488County of Blackmanman Observer Andrew Mackie Esq. C.E.River Basin Forth, Lower - left bank tribs.Rain Gauge, by Jas. Milne & Sons (Edin.)Weekly.

| Diameter ... | 11 | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 1 | 0 | | | | | | | | | |
| Altitude ... | 172 | ft | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 3.90 | 1.08 | 1.50 | 3.54 | 2.35 | 1.58 | 4.33 | .46 | 2.42 | 3.60 | |
| February ... | 2.66 | 3.89 | 2.72 | 1.71 | 3.05 | 4.62 | 3.85 | .60 | 3.50 | 1.70 | |
| March | 2.14 | 1.80 | 4.05 | 3.70 | 3.90 | 1.46 | 2.86 | 1.60 | .95 | 2.60 | |
| April | 2.66 | 1.47 | .66 | 2.45 | 1.30 | 1.59 | 1.92 | 1.35 | .55 | 2.00 | |
| May | 1.24 | 1.05 | 1.58 | 2.48 | 2.05 | 2.53 | 4.23 | 2.38 | 2.50 | .90 | |
| June | 1.12 | 1.38 | 4.88 | 2.52 | .75 | 1.42 | 3.15 | 1.96 | .65 | 2.00 | |
| July | 3.68 | 2.63 | 1.79 | .81 | 2.30 | 4.18 | 4.60 | 1.95 | 3.73 | 1.25 | |
| August | 7.75 | 1.94 | 2.74 | 1.04 | 4.05 | 4.33 | 2.73 | 5.05 | 3.17 | 2.48 | |
| September .. | 1.00 | 1.37 | 2.66 | 2.10 | 1.05 | 2.12 | 1.02 | 2.10 | 4.60 | 1.85 | |
| October ... | 1.91 | 3.43 | 3.13 | 1.90 | 1.60 | 3.75 | 5.85 | 4.40 | 3.85 | .92 | |
| November .. | 3.24 | 4.30 | 2.14 | 3.68 | 3.65 | 2.28 | 4.55 | 3.75 | 2.25 | 4.15 | |
| December ... | 2.00 | 3.41 | 5.98 | 2.26 | 6.30 | 4.87 | 3.55 | 1.87 | 3.15 | 5.25 | |
| TOTALS ... | 33.30 | 27.75 | 33.83 | 28.19 | 32.35 | 34.73 | 42.64 | 27.45 | 31.32 | 20.69 | |

imp D imp D imp D imp D

imp D imp D

1910 Home 21 ft high 60 ft NNE

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|-------------|------------|------------|
| 1911 | 56.8. | 3.44 | Blackmanman Rd. | 7 fms. | SSE. | Blackmanman | 1 1/4 mile | SSE. |

RAINFALL at Allea W. W. Gartmorn ReservoirCounty of Blackmannan Observer A. Mackie Esq. C.E.River Basin Loth, Lower 1 1926. Robert Cairns Esq. C.E.(1925) Kew and Felt Rain Gauge, by J. Milne's Sons (Edin.) Bar's Surveyor Allea

Weekly.

| | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| Diameter ... | 11 | | | 11.3 | | | | | | | |
| Height | 1 0 | | | 1 0 | | | | | | | |
| Altitude ... | 172 | | | 172 | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930. MEANS. |
| January ... | 4.25 | 4.82 | 3.70 | 2.25 | 3.35 | 4.30 | 4.65 | 3.05 | 6.60 | 1.50 | 5.80 |
| February ... | 3.85 | 4.8 | 2.40 | 3.65 | .73 | 3.45 | 5.00 | 2.50 | 4.00 | 1.55 | .60 |
| March | 2.40 | 3.60 | 1.60 | 1.25 | .55 | .85 | 1.80 | 2.70 | 3.70 | .50 | 2.20 |
| April | 1.85 | .76 | 1.80 | 3.65 | 2.15 | 5.20 | 1.50 | 1.50 | .90 | 1.48 | .80 |
| May | 2.98 | 2.05 | 2.50 | 1.45 | 4.95 | 5.00 | 2.65 | 2.40 | 1.65 | 2.45 | 1.30 |
| June | 1.80 | .15 | 1.40 | 1.00 | 1.92 | .80 | 2.35 | 4.20 | 4.10 | 1.80 | 2.75 |
| July | 3.80 | 2.95 | 3.30 | 2.00 | 4.10 | 1.85 | 3.45 | 4.80 | 1.85 | 3.20 | 3.25 |
| August | 5.23 | 5.25 | 2.10 | 6.50 | 3.50 | 5.10 | 2.00 | 6.60 | 4.80 | 5.00 | 6.05 |
| September... | 2.07 | 2.75 | 1.20 | 3.50 | 3.80 | 3.05 | 3.05 | 4.50 | 3.05 | 1.30 | 3.90 |
| October | 1.48 | 3.85 | 2.30 | 3.50 | 3.20 | 3.05 | 4.05 | 5.45 | 4.60 | 5.80 | 3.35 |
| November... | 3.69 | 2.40 | 2.30 | 5.30 | 2.75 | 1.20 | 4.80 | 2.35 | 5.10 | 5.05 | 4.05 |
| December... | 4.20 | 4.55 | 2.50 | | 5.00 | 2.45 | .90 | 1.50 | 4.35 | 5.40 | 3.45 |
| TOTALS... | 37.60 | 33.60 | 27.10 | 34.05 | 36.00 | 36.30 | 36.20 | 41.55 | 44.70 | 35.03 | 35.50. |
| | W | W | | W. | W | W. | | | | | |

1920. House 20ft high 60ft N.N.E.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1920 | | | Blackmannan Rd | 7 ft | S.S. E | Blackmannan | 1 mi 2 ft | S.S. E. |

RAINFALL at Allea W.W. (Gartmann Reservoir)County of BlackmanObserver Robert Cairns, C.E.River Basin 1-70th - lower - left bankType of Gauge StandardAnnual Average 32.1 in. based on 26 years obs. un-weighted. Period of average 1881-1915. Ref. Survey
Weighted with Falkirk (Kew) Computer x11/26

| | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|
| Diameter | 11 | | | | | | | | 5 ⁴ | | |
| Height | 1.0 | | | | | | | | | | |
| Altitude | 172 | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | 2.47 | 4.12 | 1.90 | 3.25 | .93 | 4.83 | 2.98 | 4.99 | 3.99 | 1.59 | |
| February | 2.45 | .03 | 2.46 | .00 | 2.65 | 2.35 | 4.02 | 1.57 | 3.97 | 1.38 | |
| March | 1.10 | 2.55 | 1.40 | 3.40 | 1.53 | 2.20 | 2.40 | 1.59 | 2.43 | 2.56 | |
| April | 2.25 | 4.23 | 1.10 | 4.13 | 2.42 | 1.14 | 1.49 | .21 | 1.52 | 3.06 | |
| May | 3.60 | 3.23 | 1.73 | 1.85 | .40 | .93 | 2.95 | 4.14 | 1.69 | 1.78 | |
| June | 5.40 | .91 | 1.05 | 1.73 | 3.30 | 1.21 | 2.54 | 4.02 | 1.77 | .62 | |
| July | 4.70 | 2.65 | 4.13 | 3.10 | 1.05 | 3.70 | 3.67 | 3.50 | 5.94 | 4.62 | |
| August | 2.10 | .95 | 1.43 | 3.50 | 2.13 | 2.83 | 3.63 | 2.29 | 2.19 | 1.15 | |
| September | 1.33 | 2.90 | 1.25 | 3.45 | 4.94 | 3.47 | 1.73 | 3.19 | 2.21 | 2.54 | |
| October | 1.70 | 4.55 | 2.20 | 4.13 | 6.86 | 2.86 | 3.01 | 6.37 | 3.61 | 3.75 | |
| November | 5.90 | 2.03 | 1.85 | .50 | 2.20 | 2.84 | .57 | 5.71 | 5.88 | 4.05 | |
| December | 1.60 | 5.88 | .80 | 3.50 | 1.98 | 3.52 | 1.53 | 2.07 | 2.15 | 2.92 | |
| TOTALS | 34.60 | 34.03 | 21.49 | 32.54 | 31.39 | 31.88 | 30.52 | 39.65 | 36.25 | 30.02 | |
| | W | W | W | W | W | W | W | W | W | W | |

1931. Water Office & dwelling house 20' high 60' N.E.E.

1933. Low up. 5' too low. Engineer promises g. quite sound when issued special instructions to observer.

1935 Low up. New standard g. & type income from Aug. 1935 (Moldin)

Inspected N.E. bar 26.8.37. g. sheltered on S.E.E. Will be moved to more open site 100 yds E. on 1.10.37. This site is 40 yds N of bank of clear water tank and 30 yds S of toolhouse.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1931. | | | Blackman Rd. | 7 ft | S.S.E. | Blackman | 1 m 2 ft | S.S.E. |

Station No.

5458

RAINFALL at Alloa W.W. (Gartnash Res^d)

41

County of Clackmannan Observer Robert Craig, Esq., C.E.River Basin 1-Forth - Lower-Left Bank Burgh SurveyorType of Gauge M.O.Annual Average 32.1 in. based on 26 years obs. un-weighted. Period of average 1881 - 1915 Ref. Survey.

File No.

| Diameter | 5" | | | | 895 | 285 | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Height | 1' 0" | | | | | 1 | | | | | | |
| Altitude | 172' | | | | | 41 | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means | |
| January | 1.78 | 3.72 | 4.53 | 2.92 | 3.13 | 3.84 | 3.63 | 5.46 | 3.08 | 1.73 | | |
| February | 3.12 | 1.39 | 2.10 | .83 | 4.25 | 2.15 | 1.60 | 3.91 | 2.59 | 3.59 | | |
| March | 2.25 | 2.53 | 1.07 | .17 | 1.90 | 2.34 | 3.30 | 1.26 | 1.22 | 2.35 | | |
| April | 1.25 | 2.27 | 1.43 | 2.08 | 1.20 | .76 | 3.77 | 2.46 | 1.76 | 2.20 | | |
| May | 2.98 | 3.08 | 4.49 | 1.59 | 3.89 | 1.38 | 2.87 | 2.46 | 1.81 | 1.33 | | |
| June | 0.84 | 1.24 | 3.59 | 2.33 | 3.02 | 2.19 | 3.85 | 4.39 | .86 | 1.51 | | |
| July | 2.90 | 1.57 | 2.48 | 2.92 | 3.81 | 4.45 | 3.46 | 3.16 | 2.51 | 5.45 | | |
| August | 3.80 | 3.43 | 4.48 | 3.06 | 2.90 | 3.11 | 0.00 | 5.02 | 3.65 | 4.24 | | |
| September | 1.30 | 4.30 | 3.35 | 3.36 | 4.59 | 5.83 | 2.95 | 4.84 | 1.24 | 7.94 | | |
| October | 2.78 | 2.72 | 6.11 | 3.46 | 4.27 | .49 | 1.52 | 3.72 | 4.53 | 2.28 | | |
| November | 2.76 | .38 | 2.20 | 6.12 | .31 | 5.02 | 3.69 | 2.60 | 2.96 | 2.71 | | |
| December | 2.10 | 2.85 | 1.23 | 3.46 | 3.30 | 3.16 | 1.37 | 4.25 | 4.76 | 1.98 | | |
| TOTALS | 27.86 | 29.48 | 37.06 | 32.30 | 36.57 | 34.72 | 32.01 | 44.03 | 30.97 | 37.31 | | |
| | W | W | W | W | W | W | W | W | W | W | | |

941 Water Offices and Dwelling house 20' high 250' W.

1948 up. Row. Letter sent re possible leak. 1949 reasonable.

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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1941 | | | Clackmannan Rd. | 7 fm. | S.S.E. | Clackmannan | 1 m 2 f. | S.S.E. |

BRITISH RAINFALL ORGANIZATION

Station No. 5458RAINFALL at Alloa W.D. (Eastmorn Res.)

51

County of Clackmannan Observer Burgh SurveyorRiver Basin South Lower, Left Bank - 1Type of Gauge M.O.Annual Average 32.1 in. based on 36 years obs. un-weighted. Period of average 1881-1915 Ref. S.

33.9

File No.

| | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--|
| Diameter ... | 5" | | | | 895 | 285 | | | | | | |
| Height ... | 1'0" | | | | | 1 | | | | | | |
| Altitude ... | 172' | | | | | 51 | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means | |
| January ... | 4.66 | 2.05 | 0.74 | 2.37 | 1.78 | 3.45 | 7.57 | 2.28 | 1.31 | 3.41 | | |
| February ... | 2.35 | .36 | 1.09 | 2.78 | (2.36) | 1.77 | 3.02 | 2.11 | 1.19 | 2.15 | | |
| March ... | 2.28 | 3.12 | .96 | 2.67 | (1.73) | 1.30 | 3.69 | 1.50 | 2.05 | 1.72 | | |
| April ... | 1.60 | 1.50 | 1.77 | 1.08 | (0.90) | .35 | 1.12 | 1.02 | 2.71 | 2.49 | | |
| May ... | 1.89 | 1.27 | 1.49 | 4.80 | (2.38) | 1.48 | 2.37 | 3.26 | .86 | 2.47 | | |
| June ... | 1.51 | 2.23 | 1.34 | 2.41 | (0.90) | 3.32 | 1.58 | 4.15 | 1.73 | 1.74 | | |
| July ... | 5.62 | 1.71 | 5.31 | 2.84 | (0.80) | 6.22 | 3.79 | 4.80 | 5.34 | 3.04 | | |
| August ... | 4.17 | 5.40 | 1.66 | 5.06 | (0.91) | 4.74 | 3.76 | 3.87 | .57 | 3.92 | | |
| September ... | 2.87 | 1.55 | 4.24 | 3.87 | (2.00) | 4.12 | 2.12 | 4.35 | 1.07 | 2.10 | | |
| October ... | 0.54 | 2.26 | 1.76 | 8.55 | 2.69 | 2.20 | 2.62 | 3.12 | 2.25 | 3.36 | | |
| November ... | 5.54 | 1.91 | 4.28 | 5.62 | 1.88 | .51 | 1.44 | 1.41 | 5.74 | 4.35 | | |
| December ... | 3.75 | 2.39 | 4.48 | 4.09 | 4.08 | 3.70 | 4.57 | 5.52 | 5.63 | 3.14. | | |
| TOTALS ... | 36.78 | 25.75 | 29.12 | 47.14 | 22.47 | 32.16 | 37.65 | 37.39 | 30.18 | 33.89 | | |
| | W | W | W | W | NP. | d | d | d. | d. | d. | | |

1951. Water office's dwelling house 20 ft. high 250 ft. W.
 1955 NP. low, and too much app.

37704

March 59 amended with ref to mean
 neighbours 9/25/60.

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference NS(26) 915937

| Date. | Lat. N. | Long. | Railway Station. | Distance Direction from gauge | Parish Church. | Distance Direction from gauge. |
|-------|---------|-------|------------------|-------------------------------|----------------|--------------------------------|
| 1951 | | | Clackmannan Rd. | 7 ft. S. 35. | Clackmannan | 1 mil. 2 ft. S. 55. |

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|----------------|----------------|---------|---------------------|-------------|---------|
| | ✓ 15 and 19 | ✓ | np. 33-38 2 1931 | ✓ but np us | |