

Nottingham (Matlock Field)

M. S. & L. R.

Cheshire.

Mps heat

399 ft + m.s.l

Upper Mersey - 1.

| YEAR -- | 1850 | 1851 | 1852 | 1853 | 1854 | 1855 | 1856 | 1857 | 1858 | 1859 | MEANS. |
|---------------|------|------|------|------|-------|-------|------|-------|-------|-------|--------|
| January -- | | | 4.00 | | 1.46 | .52 | .57 | 2.00 | 1.05 | 1.70 | |
| February -- | | | | | 1.92 | .47 | 2.07 | .93 | .34 | 2.28 | |
| March -- -- | | | .33 | | 1.17 | 1.33 | .29 | .71 | 1.34 | 4.47 | |
| April -- -- | | | .16 | | .58 | .92 | 1.74 | 2.48 | 2.31 | 2.28 | |
| May -- -- -- | | | 1.48 | | 2.51 | 1.33 | | 1.37 | 1.69 | .26 | |
| June -- -- -- | 4.01 | 3.08 | | | 1.75 | 2.12 | 1.84 | 3.72 | 3.36 | 2.07 | |
| July -- -- -- | 2.94 | 2.28 | | | 2.42 | 2.35 | 3.79 | 4.84 | 3.02 | 1.31 | |
| August -- -- | 2.20 | | | | 3.30 | 2.53 | 7.23 | 13.00 | 3.55 | 6.45 | |
| September -- | 1.28 | 1.50 | | | 1.50 | .72 | | .96 | 2.94 | 4.67 | |
| October -- | 1.13 | 2.51 | 1.76 | | 2.51 | 5.22 | 2.78 | 1.44 | 3.59 | 1.76 | |
| November -- | 1.26 | 2.90 | 1.84 | 2.90 | | .35 | | .65 | 1.45 | 2.56 | |
| December -- | 2.14 | | 1.40 | 4.40 | | .55 | 2.38 | 1.22 | 4.29 | 1.80 | |
| TOTALS -- | | | | | 36.42 | 18.39 | | 33.32 | 28.93 | 31.61 | |

C C C C C C C C

7 M.S. & L.R. p.m.

Mothram

(Mothley, Tivoli) M.S. & L.R. = Rainfall Cheshire.

+ Ground 3^{1/6} 399 ft + m.s.l

Upper Mersey - 1.

| YEAR -- | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January -- | 2.97 | 0.00 | 2.31 | 4.50 | 1.30 | 3.27 | 3.94 | 3.88 | 3.01 | 2.80 | 2.798 |
| February - | .48 | 2.78 | .73 | 1.02 | 3.34 | 2.45 | 3.77 | 3.91 | 2.62 | 5.31 | 2.641 |
| March - - - | 4.57 | 5.47 | 3.52 | .83 | 2.21 | 1.61 | 1.94 | 1.85 | 4.72 | 1.16 | 2.788 |
| April - - - | 1.34 | 1.17 | 2.95 | 2.18 | 1.13 | 2.02 | .76 | 5.59 | 2.29 | 2.43 | 2.186 - |
| May - - - - | 3.99 | 1.20 | 4.39 | 1.80 | 3.17 | 2.86 | 1.81 | 2.46 | 1.52 | 4.03 | 2.723 |
| June - - - - | 6.47 | 2.91 | 3.42 | 4.27 | 3.30 | .88 | 4.90 | 2.32 | .16 | 1.36 | 2.999 |
| July - - - - | 2.78 | 5.28 | 4.78 | 2.07 | 1.68 | 2.86 | 4.90 | 6.21 | .15 | 1.11 | 3.182 |
| August - - - | 5.12 | 2.67 | 2.70 | 5.56 | 2.70 | 3.93 | 5.39 | 2.76 | 2.37 | 2.48 | 3.568 |
| September - | 2.76 | 3.96 | 5.57 | 5.10 | 4.78 | .58 | 6.16 | 2.94 | 1.79 | 6.35 | 3.999 + |
| October - - | 4.26 | .98 | 5.39 | 5.97 | 2.33 | 5.13 | 2.66 | 4.24 | 5.35 | 3.53 | 3.984 |
| November - | 2.39 | 4.79 | 1.45 | 3.68 | 3.16 | 2.58 | 6.23 | 1.99 | 2.72 | 4.28 | 3.327 |
| December - | 1.80 | 1.95 | 3.08 | 3.17 | 1.62 | .93 | 4.69 | 4.86 | 8.67 | 4.60 | 3.537 |
| TOTALS - | 38.93 | 33.16 | 40.29 | 40.15 | 30.72 | 29.10 | 47.15 | 43.01 | 35.37 | 39.44 | 37.732 |

C C C C - C + C C C

1868 Average (14 yrs) 34.04

RAINFALL AT Mottram Mallets Fields

Lat.....

Lon.....

County of... Cheshire.....

..... Rain Gauge, by.....

Observer ... M. S. L. R.

Upper Mersey - 1.

| Diameter | .9 | . | | | | | | | | | | | |
|----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|--|
| Height | 3 | .6 | . | | | | | | | | | | |
| Altitude | 399. | . | | | | | | | | | | | |
| YEAR | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | MEANS. | | |
| January..... | 2.60 | 1.57 | 4.72 | 2.62 | 3.49 | 3.49 | 2.30 | 5.61 | 5.09 | 6.65 | 3.214 | | |
| February..... | - .87 | 3.15 | 3.73 | .65 | 1.55 | .74 | 2.05 | 4.33 | 1.11 | 2.12 | 2.030 | | |
| March..... | 2.18 | 1.49 | 2.40 | 2.25 | 3.33 | .64 | 4.11 | 3.84 | 1.39 | 1.61 | 2.324 | | |
| April..... | 2.51 | 3.91 | 2.79 | .36 | 1.40 | 1.18 | 3.24 | 2.16 | 1.96 | 2.21 | 2.172 | | |
| May..... | 1.42 | 1.91 | 3.20 | 2.35 | 1.49 | 2.03 | 1.60 | 3.73 | 2.83 | 2.28 | 2.284 | | |
| June..... | 1.84 | 3.87 | 7.97 | 2.23 | 1.00 | 2.79 | 3.87 | 2.78 | 1.41 | 4.51 | 3.227 | | |
| July..... | 2.36 | 4.47 | 5.13 | 3.66 | 1.79 | 4.30 | 3.12 | 4.69 | .54 | 4.38 | 3.444 | | |
| August..... | 2.26 | 1.21 | 3.62 | 3.99 | 3.17 | 4.76 | 3.64 | 7.31 | 3.54 | 6.20 | 3.970 | | |
| September..... | 2.94 | 3.81 | 8.27 | 2.36 | 4.44 | 3.34 | 3.98 | 2.29 | 2.49 | 2.74 | 3.666 | | |
| October..... | + 0.43 | 3.71 | 5.28 | 4.21 | 3.41 | 5.26 | 2.18 | 3.92 | 2.57 | 3.53 | 4.250 | | |
| November..... | 2.28 | 1.71 | 3.43 | 2.61 | 4.68 | 4.19 | 3.52 | 5.60 | 2.49 | 1.71 | 3.222 | | |
| December..... | 2.59 | 3.39 | 2.25 | 1.08 | 2.66 | 1.51 | 4.03 | 2.62 | 2.01 | 3.03 | 2.517 | | |
| TOTALS | 32.28 | 34.20 | 52.79 | 28.37 | 32.41 | 34.23 | 37.64 | 48.88 | 27.43 | 34.97 | 36.320 | | |

C C C /

RAINFALL AT ~~Mottram, Marley's Field~~ 80

Lat.

Lon. County of Cheshire

Rain Gauge, by

Observer M. S. & L. R. Co.

Upper Mersey - P

| Diameter | 9 | | | | | | | | | | |
|-----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 3.6 | | | | | | | | | | |
| Altitude | 3997 | | | | | | | | | | |
| Year | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | MEANS. |
| January | .57 | .77 | 3.54 | 4.38 | 5.28 | 1.99 | 5.28 | 1.46 | 1.83 | 1.80 | 2.690 |
| February | 3.29 | 5.39 | 3.79 | 2.42 | 2.12 | 2.44 | .56 | .63 | 1.74 | 1.89 | 2.427 |
| March | 2.70 | 4.69 | 2.98 | 1.02 | 2.00 | 2.38 | 2.61 | 1.52 | 2.51 | 4.02 | 2.643 |
| April | 1.96 | 1.01 | 3.38 | 1.84 | 1.52 | 1.28 | 2.27 | 1.55 | 2.11 | 2.06 | 1.898 |
| May | 2.98 | 3.60 | 1.83 | 1.19 | 2.05 | 2.13 | 6.40 | 2.31 | .66 | 2.01 | 2.516 |
| June | 4.19 | 2.01 | 7.43 | 5.26 | 1.38 | 3.59 | 1.50 | .59 | 2.89 | .60 | 2.944 |
| July | 5.66 | 4.35 | 6.23 | 3.24 | 3.46 | 1.69 | 3.34 | 1.04 | 5.34 | 2.89 | 3.724 |
| August | 3.20 | 4.73 | 3.80 | 3.46 | 3.82 | 1.52 | 2.01 | 1.94 | 3.33 | 5.63 | 3.344 |
| September | 5.79 | 3.31 | 3.03 | 5.59 | 3.12 | 3.80 | 2.74 | 3.50 | 1.70 | 3.46 | 3.604 |
| October | 4.06 | 3.81 | 3.72 | 6.05 | 2.80 | 7.65 | 5.82 | 2.36 | 1.55 | 3.71 | 4.153 |
| November | 4.11 | 3.51 | 7.20 | 2.93 | 1.93 | 2.63 | 2.16 | 1.56 | 6.05 | 2.03 | 3.411 |
| December | 6.10 | 4.63 | 6.10 | 3.62 | 4.33 | 2.72 | 5.18 | 2.69 | 2.04 | 2.35 | 3.976 |
| TOTALS | 444.61 | 41.81 | 53.03 | 41.00 | 33.81 | 33.82 | 39.87 | 21.15 | 31.75 | 32.45 | 37.330 |

RAINFALL AT Mottram Matter's Field & Station

Lat.

Lon.

County of

Cheshire

Rain Gauge, by

Observer

MSLR Co

Upper Mersey - 1.

| | | | | | | | | | | | |
|-------------------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|----------|
| Diameter | 9 | | | | | | | | | | |
| Height | 3 6 | | | | | | | | 3 . 6 | | |
| Altitude | 399 T | | | | | | | | 452 | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. |
| January | 3.14 | 2.81 | 3.34 | 1.88 | 2.75 | 2.40 | 1.43 | 1.29 | 1.95 | 3.16 | 2.415 |
| February | .56 | .36 | 2.81 | 3.97 | 4.47 | .38 | 2.17 | 2.41 | 2.88 | .49 | 2.050 |
| March | 3.77 | 1.96 | 1.01 | .62 | 2.79 | 3.42 | 4.90 | 2.74 | 1.75 | 1.76 | 2.472 |
| April | .75 | 2.06 | 1.28 | .65 | 1.82 | 1.52 | 1.98 | 2.74 | 2.39 | 2.87 | 1.806 |
| May | 2.17 | 3.93 | 4.32 | 2.64 | 2.20 | 1.33 | .57 | (1.93) | 3.21 | 2.65 | (2.495) |
| June | 4.04 | 3.18 | 3.26 | 2.20 | 3.27 | 2.05 | 2.89 | 2.44 | 2.34 | 1.14 | 2.681 |
| July | 3.36 | 3.40 | 3.30 | 3.16 | 2.99 | 6.34 | 1.84 | 2.54 | 1.26 | 1.47 | 2.966 |
| August | 4.91 | 7.17 | 4.24 | 2.87 | 4.75 | 3.49 | 2.74 | 3.15 | 4.91 | 1.89 | 4.012 |
| September | 1.02 | 3.95 | 3.05 | 4.23 | .76 | 1.26 | 6.55 | 3.64 | .28 | 5.48 | 3.022 |
| October | 2.79 | 5.12 | 6.83 | 2.95 | 4.07 | 3.53 | 4.79 | 1.64 | 2.89 | 3.04 | 3.765 |
| November | 4.68 | 2.48 | 2.39 | 2.62 | 2.47 | 2.71 | 1.23 | 4.72 | 2.16 | 1.00 | 2.646 |
| December | .34 | 6.20 | 2.66 | 3.16 | 3.29 | 3.87 | 3.82 | 3.06 | 3.55 | 2.28 | 3.223 |
| TOTALS | 31.53 | 42.62 | 38.49 | 30.95 | 35.63 | 32.30 | 34.91 | (32.30) | 29.57 | 27.23 | (33.553) |

1897 May 10th gauge moved 125 yards E to Mottram
Station.

1860

RAINFALL AT Motham Station

Lat.

Lon.

County of Cheshire

Rain Gauge, by

Observer

Central Railway Co.

Upper meadow - 1.

| Diameter .. | 9 | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| Height .. | 3.6 | | | | | | | | | | |
| Altitude .. | 452 T | | | | | | | | | | |
| Year .. | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January .. | 3.16 | 2.06 | 2.90 | 1.94 | 2.22 | 2.04 | 3.40 | 1.11 | 2.17 | 1.37 | 2.237 |
| February .. | 2.14 | 1.38 | .65 | 2.33 | 2.82 | 1.78 | 2.74 | 1.95 | 3.34 | 2.36 | 2.149 |
| March .. | .73 | 2.14 | 1.68 | 3.42 | 1.70 | 3.40 | 2.97 | 2.76 | 3.01 | 2.84 | 2.415 |
| April | 2.18 | 2.07 | 1.89 | 1.45 | 1.84 | 2.27 | 1.92 | 1.52 | 1.90 | 2.60 | 1.964 |
| May | 1.18 | .63 | 2.57 | 2.00 | 2.40 | .64 | 3.41 | 3.99 | 2.73 | 1.75 | 2.130 |
| June | 3.37 | 1.13 | 1.61 | 1.00 | .68 | 2.91 | 1.65 | 5.43 | 1.95 | 2.74 | 2.247 |
| July | 3.46 | 2.20 | 2.71 | 2.58 | 1.45 | 1.80 | 2.80 | 2.80 | 3.81 | 5.59 | 2.920 |
| August | 4.03 | 1.44 | 2.49 | 3.45 | 3.94 | 4.05 | 2.94 | 3.76 | 3.36 | 2.94 | 3.240 |
| September .. | 1.17 | .41 | .90 | 3.42 | .96 | 3.07 | 1.19 | .43 | 4.67 | 2.74 | 1.896 |
| October | 3.43 | 2.76 | 4.41 | 6.40 | 1.32 | 3.10 | 4.75 | 3.85 | .99 | 4.65 | 3.566 |
| November .. | 1.16 | 4.51 | .75 | 3.57 | 2.85 | 3.10 | 2.95 | 2.32 | 2.83 | 1.05 | 2.509 |
| December .. | 3.52 | 4.55 | 1.95 | .77 | 2.75 | .58 | 3.28 | 2.20 | 2.80 | 6.51 | 2.891 |
| TOTALS .. | 29.53 | 25.28 | 24.51 | 32.33 | 24.93 | 28.74 | 34.00 | 32.12 | 33.56 | 36.64 | 30.161 543 ✓ |

RAINFALL at Mottlam Station

County of Cheshire

Observer Great Central Railway Co

River Basin Upper Mersey 1

Rain Gauge, by

| Diameter ... | 9 | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 3.6 | | | | | | | | | | |
| Altitude ... | 452 T | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 3.55 | 1.09 | 1.99 | 3.07 | 3.19 | 5.44 | 3.02 | 2.69 | 2.51 | 4.40 | |
| February ... | 2.95 | 2.84 | .62 | .71 | 1.95 | 3.22 | 5.41 | .83 | 4.50 | 1.76 | |
| March | .56 | 2.11 | 3.17 | 3.50 | 4.21 | 1.74 | 3.07 | 2.03 | 1.72 | 6.11 | |
| April | 3.92 | 2.51 | 1.22 | 2.77 | 1.96 | 1.45 | 2.75 | 2.28 | 1.40 | 2.91 | |
| May | 2.19 | 2.60 | 2.40 | 2.28 | 2.85 | 1.41 | 2.20 | 1.97 | 2.76 | 2.25 | |
| June..... | 3.03 | 2.78 | 4.49 | 1.77 | 3.12 | 2.35 | 4.09 | 2.14 | 1.88 | 2.36 | |
| July | 4.13 | .20 | 3.14 | 1.48 | 3.73 | 4.24 | 2.01 | 2.56 | 5.25 | 2.52 | |
| August..... | 4.21 | 3.58 | 5.98 | 2.36 | 2.98 | 4.28 | 3.00 | 5.12 | 3.44 | 3.21 | |
| September .. | .19 | 3.80 | 2.00 | 1.16 | 2.73 | .71 | 2.63 | 2.42 | 8.80 | 2.26 | |
| October ... | 2.18 | 2.00 | 2.41 | 1.63 | 1.71 | 1.44 | 4.47 | 5.43 | 1.76 | 2.81 | |
| November .. | 3.63 | 2.78 | 2.75 | 2.76 | 3.42 | 2.19 | 2.47 | 3.40 | 2.83 | 3.06 | |
| December ... | 3.13 | 4.41 | 4.77 | 3.09 | 5.00 | 5.49 | 2.99 | 2.18 | 5.95 | 6.27 | |
| TOTALS ... | 33.67 | 30.70 | 34.94 | 26.58 | 36.85 | 33.96 | 38.11 | 33.05 | 42.80 | 39.92 | |

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

RAINFALL at Moltram StationCounty of CheshireObserver Great Central RailwayRiver Basin Upper Mersey 1

Rain Gauge, by _____

| Diameter ... | 9 | | | | | | | | | |
|--------------|-------|-------|-------|------|------|------|------|------|------|--------|
| Height | 3.6 | | | | | | | | | |
| Altitude ... | 452 | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | MEANS. |
| January ... | 5.05 | 5.72 | 3.36 | | | | | | | |
| February ... | 3.73 | 4.4 | 4.64 | | | | | | | |
| March | 2.56 | 2.71 | 2.32 | | | | | | | |
| April..... | 4.53 | 1.54 | 2.69 | | | | | | | |
| May | 5.33 | 1.82 | 1.24 | | | | | | | |
| June | 2.82 | 4.1 | 2.58 | | | | | | | |
| July | 7.01 | 1.44 | 4.77 | | | | | | | |
| August | 2.09 | 5.34 | 4.74 | | | | | | | |
| September... | 2.64 | 1.12 | 3.95 | | | | | | | |
| October..... | 1.17 | 2.51 | 7.9 | | | | | | | |
| November... | 1.11 | 1.86 | 1.64 | | | | | | | |
| December... | 2.71 | 4.96 | 3.68 | | | | | | | |
| TOTALS... | 40.75 | 29.87 | 36.40 | * | | | | | | |

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

Reference No.

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