

Rainfall at Newton

50

M. S. & L. R.

Cheshire.

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, 346 ft.

Upper Wesley - 1.

YEAR -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January -			3.19	2.01	1.61	.58	2.40	.30	1.68	2.32	
February -			3.43	.96	2.15	.96	3.28		.13	2.43	
March -			.20	1.55	1.34	1.70	.20		1.34	4.03	
April -			.40	.68	.40	1.10	.99		1.85	2.77	
May -			.92	.75	.62	1.24	2.78	1.76	2.49	.40	
June -			1.83	2.54	1.04	3.08	2.24	2.56	2.92	1.84	
July -			2.41	2.85	2.00	1.97	4.24	3.50	4.30	3.04	2.06
August -			2.57	2.85	2.07	1.14	2.14	7.71	5.60	3.46	6.92
September -			.98	1.13	3.15	1.84	.87	3.08	3.88	2.76	4.76
October -			3.20	.95	2.84	1.76	3.60	2.47	1.66	2.42	2.80
November -			.76	2.33	1.40	3.82	.48	1.87	1.00	1.45	1.71
December -			1.32	3.63	.33	4.90	.78	3.91	.40	3.79	2.84
TOTALS -			23.71	20.28	22.59	20.77	34.43		27.33	34.88	

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Newton (Hyde)
M.S.L.R.

60
chestre.

+ ground 3rd 396 ft + m s l

upper meay - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.35	.42	1.72	4.50	1.15	2.10	3.19	2.52	2.94	3.07	2.396
February - -	.60	1.61	1.09	.98	3.30	2.20	2.83	2.55	2.07	4.10	2.133
March - - -	3.50	4.98	2.52	.78	1.69	1.43	1.44	.99	3.32	.61	2.126
April - - -	1.29	1.16	3.10	1.62	.90	1.14	.61	4.23	1.64	1.91	1.760 -
May - - - -	2.41	.97	4.07	1.35	3.07	2.41	1.67	2.33	1.06	3.24	2.258
June - - - -	6.79	3.77	3.10	3.71	2.40	.86	4.73	1.69	.14	1.25	2.044
July - - - -	2.16	4.30	3.62	1.50	1.01	2.91	3.46	5.01	.31	1.10	2.338
August - - -	4.48	2.86	2.93	4.75	2.25	3.93	4.85	1.71	2.78	2.80	3.334
September -	2.18	3.99	4.67	5.35	4.15	.55	5.07	2.19	1.39	4.02	3.426 +
October - -	4.07	1.23	5.03	5.44	2.33	3.98	1.95	3.22	4.01	3.03	3.429
November -	2.51	4.53	1.21	2.89	2.50	2.26	4.81	.85	2.15	3.13	2.684
December -	1.60	1.98	2.45	2.36	1.59	.79	4.24	2.35	6.04	3.55	2.695
TOTALS -	33.94	31.80	35.57	38.23	26.34	24.58	39.65	29.64	27.85	31.81	31.633

1868 Average (16 y^{rs}) 29.40

RAINFALL AT *Newton*

Lat.....

Lon.....

County of *Cheshire*

Rain Gauge, by.....

Observer *M. S. L. N.**upper meay - 1.*

Diameter .....	.9	.										
Height	3	.6	.									
Altitude	396	.										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	3.55	.97	3.20	2.46	1.68	3.10	1.33	4.47	4.95	.44	2.615	
February.....	.43	2.43	2.85	.13	.28	.38	3.05	2.87	.54	2.19	1.515	
March.....	1.90	1.35	2.79	2.24	1.02	.24	2.56	1.95	1.68	1.56	1.729	
April.....	2.54	3.40	3.21	.34	1.23	.58	1.59	2.05	1.06	1.05	1.705	
May.....	1.30	2.62	2.79	1.95	2.15	.88	1.06	3.49	3.20	2.34	2.178	
June.....	2.06	3.91	6.14	2.21	.49	1.66	2.84	1.64	2.20	4.09	2.724	
July.....	1.80	3.93	7.31	4.19	1.10	2.34	1.19	4.42	.30	3.80	3.035	
August.....	1.65	1.43	3.13	3.61	2.73	1.30	2.63	3.37	2.19	5.59	2.763	
September.....	2.54	4.20	6.21	2.46	2.54	2.81	2.63	1.70	2.26	2.95	3.030	
October.....	8.25	2.33	4.56	3.54	3.53	3.62	1.31	2.31	2.25	2.48	3.418	
November.....	2.05	2.63	3.48	1.33	4.32	3.64	2.33	3.13	1.10	1.69	2.570	
December.....	2.23	1.98	2.44	.40	1.96	.94	3.29	2.69	2.07	2.13	2.013	
TOTALS.....	30.30	31.18	48.11	24.86	23.03	21.49	25.81	34.09	23.80	30.31	29.295	

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RAINFALL AT *Newton*

80

Lat. _____

Lon. _____

County of *Cheshire*

Rain Gauge, by _____

Observer *M.S. & L.P. Co.*

Upper mercury 1.

Diameter	<i>9</i>										
Height	<i>36</i>										
Altitude	<i>396 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.55</i>	<i>.30</i>	<i>2.37</i>	<i>3.87</i>	<i>4.45</i>	<i>1.61</i>	<i>4.16</i>	<i>1.41</i>	<i>1.04</i>	<i>1.75</i>	<i>2.151</i>
February	<i>2.65</i>	<i>5.15</i>	<i>2.84</i>	<i>1.84</i>	<i>1.63</i>	<i>2.21</i>	<i>.59</i>	<i>.59</i>	<i>.98</i>	<i>1.68</i>	<i>2.016</i>
March	<i>2.71</i>	<i>4.42</i>	<i>2.36</i>	<i>.57</i>	<i>1.82</i>	<i>1.97</i>	<i>1.71</i>	<i>1.10</i>	<i>1.76</i>	<i>2.54</i>	<i>2.096</i>
April	<i>1.55</i>	<i>.96</i>	<i>2.69</i>	<i>1.83</i>	<i>1.18</i>	<i>.93</i>	<i>1.46</i>	<i>1.10</i>	<i>1.78</i>	<i>1.72</i>	<i>1.520</i>
May	<i>2.04</i>	<i>3.28</i>	<i>1.55</i>	<i>.98</i>	<i>1.48</i>	<i>1.64</i>	<i>4.84</i>	<i>1.54</i>	<i>.83</i>	<i>1.81</i>	<i>1.999</i>
June	<i>2.61</i>	<i>1.64</i>	<i>7.33</i>	<i>4.35</i>	<i>.94</i>	<i>2.98</i>	<i>.90</i>	<i>.60</i>	<i>2.44</i>	<i>.60</i>	<i>2.439</i>
July	<i>5.78</i>	<i>2.25</i>	<i>4.91</i>	<i>2.67</i>	<i>3.38</i>	<i>1.24</i>	<i>2.86</i>	<i>.84</i>	<i>5.38</i>	<i>2.75</i>	<i>3.206</i>
August	<i>1.89</i>	<i>3.89</i>	<i>3.25</i>	<i>2.74</i>	<i>2.19</i>	<i>1.22</i>	<i>1.35</i>	<i>.86</i>	<i>2.41</i>	<i>4.99</i>	<i>2.484</i>
September....	<i>3.70</i>	<i>2.79</i>	<i>2.49</i>	<i>4.74</i>	<i>2.98</i>	<i>3.74</i>	<i>3.25</i>	<i>2.31</i>	<i>2.22</i>	<i>2.97</i>	<i>3.119</i>
October	<i>2.50</i>	<i>3.05</i>	<i>3.33</i>	<i>4.91</i>	<i>1.67</i>	<i>5.65</i>	<i>5.18</i>	<i>1.13</i>	<i>1.16</i>	<i>2.89</i>	<i>3.147</i>
November....	<i>3.73</i>	<i>3.23</i>	<i>5.92</i>	<i>2.67</i>	<i>1.92</i>	<i>2.11</i>	<i>1.93</i>	<i>1.36</i>	<i>4.46</i>	<i>2.00</i>	<i>2.933</i>
December	<i>5.05</i>	<i>3.89</i>	<i>3.39</i>	<i>3.22</i>	<i>4.17</i>	<i>1.96</i>	<i>3.55</i>	<i>2.20</i>	<i>1.69</i>	<i>1.69</i>	<i>3.081</i>
TOTALS	<i>34.76</i>	<i>34.85</i>	<i>42.43</i>	<i>34.44</i>	<i>27.81</i>	<i>27.26</i>	<i>31.78</i>	<i>15.04</i>	<i>26.15</i>	<i>27.39</i>	<i>30.191</i>

RAINFALL AT

Newton

Lat. _____

Lon. _____

County of Cheshire

Rain Gauge, by _____

Observer M. L. R. C.

Upper Mersey - 1.

Diameter	9											
Height	3 6											
Altitude	396 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.94	2.39	3.13	1.27	2.62	2.07	1.00	1.38	1.97	3.82	2.259	
February ....	.39	.29	2.17	3.07	3.50	.39	1.85	2.04	2.28	.75	1.673	
March	3.34	1.73	.94	.53	2.66	2.95	4.32	1.95	1.91	1.85	2.218	
April .....	.53	1.87	1.35	.57	1.57	1.26	1.37	2.84	2.29	3.06	1.671	
May	2.55	3.25	3.79	2.86	2.68	1.17	.52	2.28	3.36	2.54	2.500	
June	3.23	2.33	2.86	2.00	3.13	2.02	2.59	3.07	2.92	1.92	2.607	
July	2.76	3.23	3.54	2.95	1.88	6.35	1.80	1.81	.83	1.58	2.673	
August	3.98	6.84	3.68	2.52	3.57	3.40	2.24	2.96	5.44	1.47	3.610	
September....	.64	3.27	3.18	3.78	.60	1.33	5.34	3.61	.43	5.52	2.770	
October	2.01	4.39	5.74	2.39	4.24	3.02	4.61	1.71	2.99	3.43	3.453	
November	3.60	2.04	2.28	2.57	2.56	2.20	1.20	4.19	1.88	1.63	2.415	
December ....	.35	5.15	2.16	3.18	3.18	3.68	3.59	2.94	3.47	2.33	3.000	
TOTALS	26.32	36.78	34.82	27.69	32.19	29.84	30.43	30.78	29.77	29.90	30.852	

1860 —

RAINFALL AT Newton

Lat.

Lon.

County of Cheshire

Rain Gauge, by

Observer St. Central Railway

Upper Mersey - 1.

Diameter ..	9										
Height	3.6										
Altitude ..	396 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.45	1.94	2.81	2.63	2.70	2.10	4.73	1.70	2.72	1.72	2.650
February ..	2.47	1.20	.68	2.84	2.88	1.67	3.11	2.29	3.39	1.87	2.240
March ....	.70	2.77	1.73	3.84	2.04	4.27	3.00	2.40	2.55	2.08	2.538
April	2.24	2.30	1.93	1.83	2.11	2.45	2.04	1.29	2.13	2.83	2.115
May	1.19	.72	2.46	2.49	2.33	.69	3.61	3.35	2.43	1.43	2.070
June	4.16	1.58	1.03	1.28	.84	2.98	1.51	4.35	1.65	1.87	2.125
July	3.24	2.61	2.30	3.11	1.67	2.17	2.35	2.16	4.40	5.08	2.909
August	6.55	1.38	2.31	3.73	4.19	3.67	3.12	3.73	3.68	2.85	3.521
September ..	1.64	.64	1.31	3.98	1.28	2.10	1.17	.75	4.50	2.80	2.017
October	4.25	3.22	4.37	6.91	1.38	3.38	5.12	3.64	1.10	5.55	3.892
November ..	2.13	4.66	1.47	3.55	3.06	2.80	2.27	1.98	2.27	1.12	2.531
December ..	3.98	4.43	2.24	.96	2.71	.67	3.35	2.28	2.48	5.71	2.881
TOTALS ..	36.00	27.45	24.64	37.15	27.19	28.95	35.38	29.92	33.30	34.91	31.480

Hub

RAINFALL at NewtonCounty of ChesterObserver Great Central Railway CoRiver Basin Upper Mersey 1

Rain Gauge, by _____

Diameter ...	9											
Height	3-6											
Altitude ...	396 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.23	1.29	2.55	3.80	2.75	5.56	2.96	3.12	2.27	5.52		
February ...	3.00	2.96	1.03	1.60	1.71	3.50	4.84	.59	4.75	1.23		
March .....	.59	1.65	3.83	3.50	4.96	1.63	1.85	1.90	1.49	6.22		
April	3.32	2.54	1.10	3.71	1.29	1.45	2.71	1.89	1.19	2.33		
May	2.99	1.66	2.34	2.51	2.06	1.47	2.78	2.76	2.03	1.81		
June	2.37	3.55	4.21	1.91	2.75	1.91	3.95	1.75	1.89	2.33		
July	3.88	.20	3.71	1.48	4.29	3.82	2.46	2.07	5.85	2.58		
August	4.91	1.84	6.51	2.10	3.71	4.42	2.58	4.51	5.70	2.85		
September ..	.19	4.05	1.91	1.12	2.45	.82	2.44	1.79	7.81	1.41		
October ...	2.49	2.41	2.79	1.42	1.83	1.37	4.30	5.12	2.78	3.05		
November ..	4.65	2.99	3.70	3.19	3.73	1.89	2.44	3.97	1.79	2.76		
December ...	3.25	4.42	4.33	2.22	4.67	5.27	2.91	2.09	6.40	5.94		
TOTALS ...	34.87	29.56	38.01	28.56	36.20	33.11	36.22	31.56	41.95	36.03		

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

RAINFALL at NewtonCounty of CheshireObserver Great Central RailwayRiver Basin Upper Mersey 1

Rain Gauge, by _____

Diameter ...	9										
Height	3 6										
Altitude ...	396										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS
January ...	3.24	5.31	2.31								
February ...	3.73	3.1	4.13								
March	3.21	2.68	2.11								
April	4.48	1.67	2.81								
May	5.43	2.57	1.14								
June	2.42	3.7	2.18								
July	6.58	1.35	4.28								
August	2.14	4.54	3.84								
September...	2.88	3.85	3.18								
October	3.87	1.93	3.57								
November...	1.20	1.76	2.46								
December...	2.03	3.92	3.39								
TOTALS...	38.41	27.26	32.40#								

Position of Station on reduced Ordnance Survey }
Map, 2 miles 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