

Rainfall at Newton

M.S. & L.R.

Cheshire.

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, 39.6 ft.

Upper Mersey - I.

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	1.03	
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} _{.33}	22.59	20.77	34.43		27.33	34.88	

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

+ ground 3^{ft} 6 396 ft + m.s.l

upper meusey - 1.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January	2.35	1.42	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	2.844
July	2.16	4.30	3.62	1.50	1.01	2.91	3.46	5.01	.31	1.10	2.538
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	3.436
October	4.07	1.23	5.03	5.44	2.33	3.98	1.95	3.22	4.01	3.03	3.429
November	2.57	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	35.23	26.34	24.56	39.65	29.64	27.85	31.81	31.633

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1868 Average (16 yrs) 29.40

RAINFALL AT Newton.

Lat.....

Lon.....

County of Cheshire.....

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

Observer M S & L R

Upper meary - 1.

Diameter	9	.										
Height	3	6	.									
Altitude	396	.										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	3.55	1.97	3.20	2.46	1.68	3.10	1.33	4.47	4.95	.44	2.615	
February.....	1.43	2.43	2.85	1.13	1.28	1.38	3.05	2.87	5.4	2.19	1.515	
March.....	1.90	1.35	2.79	2.24	1.02	1.24	2.56	1.95	1.68	1.56	1.429	
April.....	2.54	3.40	3.21	1.34	1.23	1.58	1.59	2.05	1.06	1.05	1.705	
May.....	1.30	2.62	2.79	1.95	2.15	1.88	1.06	3.49	3.20	2.34	2.178	
June.....	2.06	3.91	6.14	2.21	1.49	1.66	2.84	1.64	2.20	4.09	2.424	
July.....	1.80	3.93	3.31	4.19	1.10	2.34	1.19	4.42	1.30	3.80	3.038	
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	1.20	6.21	2.46	2.54	2.81	2.63	1.70	2.26	2.95	3.030	
October.....	1.825	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	1.40	1.96	1.94	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	29.298	

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RAINFALL AT *Newton*

80

Lat.

Lon.

County of Cheshire

Rain Gauge, by

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

Upper Merey - 1.

Diameter	9										
Height	3.6										
Altitude	396 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January55	.30	2.37	3.87	4.45	1.61	4.16	1.41	1.04	1.75	2.151
February	2.65	5.15	2.84	1.84	1.63	2.21	.59	.59	.98	1.68	2.016
March	2.71	4.42	2.36	.57	1.82	1.97	1.71	1.10	1.76	2.54	2.096
April	1.55	.96	2.69	1.83	1.18	.93	1.46	1.10	1.78	1.72	1.520
May	2.04	3.28	1.55	.98	1.48	1.64	4.84	1.54	.83	1.81	1.999
June	2.61	1.64	7.33	4.35	.94	2.98	.90	.60	2.44	.60	2.439
July	5.78	2.25	4.91	2.67	3.38	1.24	2.86	.84	5.38	2.75	3.206
August	1.89	3.89	3.25	2.79	2.19	1.22	1.35	.86	2.41	4.99	2.484
September	3.70	2.79	2.49	4.74	2.98	3.74	3.25	2.31	2.22	2.97	3.119
October	2.50	3.05	3.33	4.91	1.67	5.65	5.18	1.13	1.16	2.89	3.147
November	3.73	3.23	5.92	2.67	1.92	2.11	1.93	1.36	4.46	2.00	2.933
December	5.05	3.89	3.39	3.22	4.17	1.96	3.55	2.20	1.69	1.69	3.081
TOTALS	34.76	34.85	42.43	34.44	27.81	27.26	31.78	15.04	26.15	27.39	30.191

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
February39	.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
April53	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
September64	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
December35	5.15	2.16	3.18	3.18	3.68	3.59	2.94	3.47	2.33	3.003
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

G-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
March70	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	31.480 643

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RAINFALL at Newton

County of Cheshire

Observer Great Central Railway Co

River Basin Upper Mersey

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	3.52	
February ...	3.00	2.96	1.03	1.60	1.71	3.50	4.84	.59	4.75	1.23	
March59	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	3.70	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 1Rain Gauge, by

Diameter ...	9									
Height	3 6									
Altitude ...	396									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	MEANS.
January ...	3.44	5.31	2.31							
February ...	3.73	31	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	37	2.18							
July	6.58	1.35	4.28							
August	2.14	4.54	3.84							
September...	2.88	85	3.18							
October87	1.93	.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 } 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