

RAINFALL AT Eccles (Worsley Hall)

80

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer N. W. B. Upjohns

Mersey - Inwell 3

Diameter				8						
Height				6	10.					
Altitude				80						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	MEANS.
January	4.18	3.48	1.69	4.31	2.43	1.51	.94			
February	2.45	3.12	2.35	.71	.88	.74	1.93			
March98	1.61	1.67	2.26	1.44	1.70	1.85			
April	1.87	.79	1.46	1.32	.84	1.13	1.63			
May56	1.50	1.83	4.34	1.88	.57	3.18			
June	4.09	.85	3.55	2.10	.95	3.04	.71			
July	2.63	3.89	1.53	2.98	.91	6.85	3.81			
August	2.49	.70	1.69	1.76	1.07	3.63	5.17			
September	5.75	3.66	4.91	3.97	4.32	1.06	2.60			
October	5.35	1.73	5.57	5.04	1.71	1.74	2.38			
November	3.20	1.05	3.26	2.51	1.21	4.51	1.75			
December	3.86	4.08	2.03	4.28	2.02	2.07	1.63			
TOTALS										
	3741	26.46	31.70	35.57	19.66	28.55	27.58			

1883. Worsley Ch. 1m. E.N.E.

Chimney top high 40ft N.E.

Values rejected from Survey (5° low).

RAINFALL AT Eccles Worsley Hall Garden

Lat. _____

Long. _____

County of Lancashire

Rain Gauge, by _____

Observer Mr W. B. Upjohn

Marsy - Irwell 3

Diameter	8										
Height	10	0	8.6								8.0
Altitude	80	L									100
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.03	1.84	2.88	.69	1.33	2.08	.50	1.31	1.45	3.46	
February21	.05	2.10	3.12	3.20	.22	1.17	1.99	1.47	1.00	
March	2.23	1.44	.77	.59	2.03	2.64	3.69	2.03	.86	.94	
April.....	.63	1.70	.98	.51	1.22	1.44	1.18	2.04	.74	2.35	
May	1.58	1.74	2.82	1.43	2.05	.67	.30	1.48	2.27	2.44	
June	1.90?	2.53	3.45	1.47	2.59	1.38	1.54	3.35	1.88	1.25	
July	2.57	.82	3.35	2.62	2.32	4.40	1.70	1.21	.15	2.31	
August	3.57	6.15	4.78	1.75	3.09	2.37	1.91	2.64	3.60	1.32	
September....	.69	2.78	3.53	3.35	.69	2.12	4.98	3.86	.33	5.23	
October.....	1.89	3.61	4.28	2.13	2.51	3.16	3.72	1.79	3.09	2.93	
November....	2.81?	3.13	2.17	1.81	1.78	1.64	.93	1.53	1.79	1.66	
December....	.45	5.15	2.69	3.10	2.42	2.56	3.84	4.43	2.29	2.34	
TOTALS	21.56	30.94	33.80	22.57	25.23	24.68	25.46	27.66	29.87	27.23	
	?										

1890 Record doubtful

1891 Worsley Church 1 mile NE by E

Chimney 50 ft high 30 ft NE

1898 Eight or ten inches too small. New g. fixed in 1899

Annual values rejected from survey (5 low)

RAINFALL AT Eccles Worley Old Hall

Lat.

Long.

County of

Lancashire

Rain Gauge, by

Observer

W. Bourke Esq C.E.

Mersey - Irwell 3

Diameter					5						
Height					1 0						
Altitude					185 ft						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January					2.41	3.06	1.37	1.72	2.36	4.40	
February					4.82	.48	2.38	2.85	2.42	1.09	
March					3.08	3.00	4.37	2.89	1.20	1.71	
April					1.54	2.08	1.89	2.46	1.86	3.30	
May					2.79	.70	.50	1.96	3.33	2.62	
June					3.16	1.72	2.52	4.77	2.70	1.28	
July					3.57	5.24	2.37	1.50	.47	2.26	
August					4.11	3.62	2.85	3.75	5.07	1.32	
September81	2.38	6.33	4.17	.53	5.62	
October					3.79	3.80	4.66	2.09	3.71	3.09	
November					2.25	2.93	1.22	4.75	2.79	1.58	
December					3.17	3.87	4.42	4.29	3.33	2.78	
TOTALS . . .					35.50	32.83	34.88	37.20	29.77	31.05	

1894 Worsley Church 1/2 mile E

Bushes 8 ft high 15 ft N. W. SE.

RAINFALL AT Eccles Worsley New Hall

Lat.

Lon.

County of Lancashire South

Rain Gauge, by

Observer Prof W B Egerton

Mersey Dwell 3

Diameter ..	8										
Height	8 0						10. 0				
Altitude ..	100 II									80	
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MRENS.
January ..	4.34	2.28	2.49	2.01	2.45	1.68	4.19	1.19	2.22	1.32	2.417
February ..	2.89	1.04	1.18	2.33	2.86	1.57	2.57	1.32	2.79	.88	1.943
March59	2.29	1.54	3.20	1.34	3.08	2.06	2.29	2.28	2.63	2.130
April	1.55	2.05	1.87	1.02	1.56	2.26	1.90	1.23	2.76	3.05	1.919
May	1.61	.70	3.21	4.35	2.39	.50	2.56	3.41	2.74	1.84	2.331
June	2.74	1.77	1.79	2.33	1.40	1.91	1.22	5.31	2.08	2.13	2.268
July	2.47	2.40	1.63	3.39	1.55	2.20	1.63	3.27	4.63	4.91	2.808
August	6.34	1.87	2.56	3.56	4.05	3.88	3.27	3.89	2.98	3.14	3.554
September ..	1.00	.63	.77	4.49	1.65	2.24	1.76	.70	2.99	2.36	1.859
October	5.45	2.95	4.09	7.03	1.96	3.06	5.42	3.41	1.82	4.97	4.016
November ..	2.44	3.66	1.92	3.64	2.48	2.90	2.49	2.61	2.53	1.03	2.570
December ..	3.98	3.56	2.26	1.09	2.89	.26	3.79	3.08	1.88	6.25	2.904
TOTALS ..	35.40	25.20	25.31	38.44	26.52	25.54	32.86	31.71	31.70	34.51	30.719

S S D V

Hub

1900 Worsley Church 1 miles E by NE

Chimney 50 ft high 60° 90 ft N E

1908 Worsley Station 2 miles E

Annual average rejected from survey (5" low)

RAINFALL AT Eccles Worsley Old Hall

Lat.

Lon.

County of Lancashire South

Rain Gauge, by Basartelli.

1908

Observer W. Bowker Eng. C.E.

m w 684 p.m.

Mersey Level 3

Diameter ..	5										
Height ..	1.0							1.6			
Altitude ..	185 ft							150			
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.69	2.71	3.23	2.05		2.14	4.61	2.12	3.34	2.01	
February ..	3.37	1.40	1.57	2.83		1.92	3.14	2.52	3.51	1.10	
March ..	.65	2.65	1.87	3.54		3.83	1.73	4.53	3.02	3.50	
April ..	2.29	2.74	2.33	1.24		3.02	1.96	1.98	2.76	3.16	
May ..	1.87	.95	3.82	4.41		.61	2.54	6.14	3.27	2.04	
June ..	3.05	2.08	2.03	2.21		2.43	1.07	7.35	2.22	2.19	
July ..	2.73	2.47	2.52	3.52		2.05	1.37	4.65	4.46	5.04	
August ..	6.65	2.18	3.05	4.65		4.35	3.35	6.64	2.98	3.18	
September ..	1.60	.75	1.32	4.87		2.77	3.05	1.19	2.90	2.51	
October ..	5.72	3.33	4.53	8.43		3.49	8.77	4.85	1.98	5.29	
November ..	2.71	4.02	2.25			3.88	4.02	4.33	2.78	1.51	
December ..	4.39	4.13	2.59			.32	7.54	5.51	2.87	6.84	
TOTALS ..	39.72	29.41	31.11			30.81	43.15	51.81	36.09	38.37	

1900 Worsley Church 1/4 mile E

Bushes 8 ft high 15 ft N.W. + S.E.

1905 Wood 6 ft high 30 yards S.W.

The two gauges are kept by two foremen padron & son 3/4 mile apart & separated by a wood on rising ground

1907 Bad - not printed.

1908 New g. by Basartelli of Manchester.

Not printed too big.

1909 Worsley Station 1 mile S.E.

RAINFALL at Eccles Worsley New Hall

County of South Lancashire Observer Mr W.B. Upjohn
 River Basin Mersey. Inwell 3

Rain Gauge, by

Diameter ...	8										
Height	10 .0										
Altitude ...	80 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.48	.82	3.45	3.84	2.01	4.87	2.31				
February ...	2.09	2.58	1.23	1.16	1.78	3.09	3.84				
March58	.83	4.58	2.99	3.34	1.47	1.59				
April	2.64	2.09	.57	3.84	1.17	1.42	2.67				
May	3.20	.99	2.06	2.52	2.00	1.37	2.72				
June	2.73	2.44	4.32	1.99	2.04	3.39	3.09				
July	3.85	.27	5.15	.90	3.54	4.53	2.17				
August	4.95	3.05	6.44	2.45	4.21	5.18	2.88				
September ..	.22	3.93	2.19	1.63	3.27	.76	2.65				
October ...	3.24	2.31	4.22	1.87	2.41	1.64	5.30				
November ...	4.85	3.09	2.85	3.48	4.68	1.81	2.66				
December ...	2.24	5.18	3.44	2.10	5.20	6.52	2.43				
TOTALS ...	34.07	27.54	40.50	28.77	35.19	36.06	34.33	N.D.			

Rejected from Survey (5° low)

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Worsley	2 M	E	Worsley	1 M	NE

RAINFALL at Eccles-Worsley Old Hall

County of South Lancashire

Observer Mr W.B. Upjohn

River Basin Mersey, Churnet 3

Rain Gauge, by

Diameter ...	6										
Height	1 6										
Altitude ...	150										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	M.H.A.N.S.
January ...	4.16	1.19	3.59	4.02	2.75	5.93					
February ...	2.47	2.92	1.30	1.35	1.91	3.71					
March65	1.23	5.06	3.54	2.62	1.38					
April	3.13	2.45	.80	4.28	1.39	1.55					
May	3.63	1.02	2.18	2.67	1.52	1.32					
June	2.92	2.38	4.47	2.32	2.01	3.53					
July	3.83	.44	5.31	.97	4.45	4.35					
August	5.50	3.12	6.20	2.81	3.75	4.87					
September ..	.53	3.96	2.51	1.76	3.59	.56					
October ...	3.37	2.47	4.19	1.75	2.30	1.72					
November ...	5.01	3.08	3.35	3.85	4.65	1.76					
December ...	2.54	5.67	4.17	2.73	6.25	6.62					
TOTALS ...	37.74	29.93	43.13	32.05	37.19	37.30	NO.	NO.			

1911 Profoundest rainfall total
 1913 next to high 100 SW

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Worsley	1 m	SE	Worsley	1/4 m	SE