

RAINFALL at Rochdale Roch Mills Sarsgill WorksCounty of South Lancashire

Observer

S. S. Platt Esq C.E.River Basin Messing. Irwell 3H. Yarwood.Rain Gauge, by Casatelli

Diameter ...					8							
Height					10		1.1					
Altitude ...					263							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...					3.42	6.93	3.73	3.72	3.93	5.51		Total 16.17. 16.89
February ...					2.78	5.61	6.00	1.19	6.71	1.21		15.11
March					6.05	1.90	2.32	2.96	2.47	6.78		14.53
April					1.93	2.00	3.31	2.03	1.37	2.46		9.17
May					2.95	1.82	3.03	2.91	2.57	2.18		10.69
June					3.22	1.47	2.37	2.27	1.88	2.48		9.00
July					5.51	5.54	2.33	2.70	4.01	2.56		11.60
August					3.98	6.69	2.94	8.20	3.35	3.76		18.25
September ..					3.78	.76	2.93	2.68	12.96	2.13		20.70
October ...					2.70	2.07	8.74	9.20	4.18	2.84		24.96
November ..					5.91	2.05	3.60	5.45	2.85	3.76		15.66
December...					6.70	7.44	3.54	3.24	9.58	7.65		24.01
TOTALS ...					48.93	44.28	44.54	46.55	55.86	43.32		190.57 47.14

1910 Building 19 ft high 9 ft N
Wall thickness 9. 110. N.W.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.36	2.10.	Rochdale	2100 yds	NE	St. Philip	1900	NE

RAINFALL at *Rochdale Rock Mills Sewage Works*County of *Lancashire*Observer *H. Jarwood Esq. C.E.*River Basin *Mersay-Inwell 3**S. H. Morgan C.E.*
*Borough Surveyor (Rochdale)*Rain Gauge, by *Casartelli*

Diameter ...	8											
Height	1.1											
Altitude ...	363											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	5.32	7.72	4.44	4.29	3.91	3.88	5.55	5.91	12.29	2.24	6.18	Totals. 61.63
February ...	4.47	5.58	5.10	6.43	1.34	7.71	4.14	2.11	5.84	9.77	3.32	38.98
March	4.02	4.07	3.55	2.23	1.81	1.94	2.35	6.09	3.02	1.34	2.95	33.37
April	5.92	1.88	2.58	3.97	1.95	2.98	2.38	3.68	9.77	1.34	2.83	30.45
May	6.18	2.64	1.49	4.30	5.62	6.49	4.44	2.40	1.17	3.43	2.28	40.44
June	3.28	5.52	2.69	1.29	2.49	3.6	3.32	4.91	6.86	1.43	2.89	29.54
July	8.65	2.19	5.49	5.14	4.60	2.15	2.88	5.57	1.94	3.01	6.83	48.45
August	2.92	7.11	4.17	6.18	7.58	3.65	6.24	9.89	5.54	6.58	7.48	67.34
September...	3.08	1.36	4.19	4.70	4.85	4.06	4.51	7.91	7.3	2.24	4.02	41.65
October	1.50	3.50	1.08	5.97	5.45	5.71	4.34	5.49	4.94	6.63	6.54	51.15
November...	2.21	2.93	3.54	7.73	2.83	2.70	7.41	5.52	7.47	8.60	5.98	56.72
December...	4.13	7.35	5.77	4.97	5.99	3.68	2.84	1.52	3.23	7.87	4.13	51.48
TOTALS...	51.68	41.79	44.09	57.20	48.32	45.31	50.40	61.00	54.00	45.68	51.93	551.40
	D	D	D	D	D	D	D	D	D	D	D	486

1926. Building 19ft. high, 81ft. N.
wall 9 " " 110 " NW.Position of Station on reduced Ordnance Survey }
Map, 2 miles to 1 inch Series } No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
	53° 36'	2° 10'	Rochdale	2100 yds	N E	St. Chads	1900	N E

RAINFALL at Rochdale (Roch Mills Sew. Wks.)

County of South Lancashire

Observer S. H. Morgan, Esq., C.E.

River Basin Marsy-Inwell-3

Type of Gauge Glaisher

Annual Average 44.5 in. based on 16 years obs. unweighted. Period of average 1881-1915 Ref. 5

723061/27.

Diameter	8.											
Height	1.1.											
Altitude	363.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.77	5.27	2.60	3.86	1.63	4.41	3.27	5.03	5.49	2.11		Total 39.6
February	6.52	21	3.23	4.6	4.67	2.27	5.43	1.90	5.19	2.56		32.4
March	27	2.66	3.03	2.24	1.64	2.34	1.68	9.4	2.52	3.71		21.2
April	24.5	3.70	2.11	2.16	3.38	1.02	2.25	4.7	1.84	3.60		23.9
May	2.79	4.57	1.70	2.83	1.04	1.53	2.51	3.89	1.79	1.04		23.7
June	6.40	7.4	2.56	2.68	4.76	3.80	1.94	4.65	3.44	1.00		31.9
July	5.59	4.26	3.72	2.18	1.76	4.26	2.06	5.03	6.82	5.49		41.1
August	6.33	1.62	1.68	3.79	1.75	2.60	2.06	3.63	3.90	1.85		29.2
September	3.47	4.84	1.78	2.53	7.02	5.21	1.73	1.62	1.95	5.27		36.4
October	2.61	7.41	5.02	4.95	8.16	4.53	1.93	10.19	2.18	4.82		51.3
November	8.26	2.77	1.77	1.88	5.06	5.53	1.82	5.37	7.74	8.30		43.3
December	2.33	1.99	6.4	6.21	3.56	3.60	2.63	5.20	3.57	5.76		35.4
TOTALS	53.79	40.04	29.84	36.76	44.43	41.45	29.31	47.92	46.43	45.51		465.4
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		D.

1936. Pump house 20 ft. high 84 ft. N.

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

Station No. 2860 M.W.R. 6/47.

RAINFALL at Rochdale (Rock Mills Sewage Works)

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County of South Lancashire Observer S.H. Morgan Esq. B.E.River Basin Mersey, Luvell-3 H.H. Morgan Esq. B.E. ANICEType of Gauge Glaisher, Snowden (1947) Barograph, Surridge (1950)Annual Average 44.5 in. based on 16 years obs. un-weighted. Period of average 1881-1945 Ref SFile No. 743051/27

Diameter	8"			561	698		5"				
Height	1' 1"				1		1' 0"				
Altitude	362'		X	X	41		362'				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.15	5.33	5.69	5.83	3.80	5.44	4.33	9.16	2.10	2.97	Totals 45.80
February	4.93	1.61	3.05	2.22	5.60	6.87	.72	3.04	3.05	5.20	36.29
March	4.80	3.30	1.21	.46	1.15	1.08	5.97	1.57	1.92	2.17	24.23
April	2.01	2.68	2.54	2.86	2.38	1.29	3.63	1.95	3.74	3.68	26.76
May	2.49	3.85	3.13	3.19	4.93	1.33	2.21	2.07	4.90	1.83	30.23
June	.52	.85	4.28	3.92	5.10	3.38	2.89	4.85	.51	2.25	28.55
July	2.89	4.72	3.44	3.84	2.96	5.14	3.85	2.67	2.00	4.69	36.20
August	6.75	4.68	7.09	3.81	3.29	5.82	.30	4.96	3.33	6.25	48.28
September	.69	2.37	5.10	4.80	2.67	7.28	3.34	2.69	1.58	7.05	37.57
October	4.92	5.84	3.21	4.86	5.75	1.03	.97	2.74	4.75	2.70	36.83
November	3.15	1.13	3.50	7.48	.69	7.16	6.39	2.13	6.38	5.61	43.62
December	2.68	3.76	2.39	4.93	2.78	4.06	3.44	4.03	7.53	3.55	39.15
TOTALS	39.28	40.72	44.69	48.20	41.10	49.88	38.04	41.86	41.79	47.95	433.51
	D	D	D	D	D	D	D	D	D	D	49.66

1947 Gauge moved 400' on 30/6

Inspected by Mr. W.J. Grasswell 21.9.48. Satisfactory gauge in good condition & 6 yds from screen within enclosure.

H.O. gauge MK II 3840 (with T. measure)

10/5/60. New 5" M.O. gauge & new wire.

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.
1947			Rochdale	2000*	E by N.	Rochdale	2800*	

BRITISH RAINFALL ORGANIZATION

Station No. 2860 *inv. 28* **51**
*4/7/51*RAINFALL at Rochdale (Roch Mills Sewage Works)
County of Lancashire Observer W. H. G. Mercer Esq. B.Sc. (P.M.I.C.E.)
River Basin Mersey - Jewell - 3 P. rough drainage
Type of Gauge Snowdon + AAnnual Average 44.5 in. based on 16 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 743251/37

Diameter ...	5"			561	698						
Height ...	1' 0"				1						
Altitude ...	362'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.63	5.03	1.62	4.41	3.06	4.96	4.30	4.38	3.55	5.94	41.88
February ...	2.71	1.32	2.23	3.30	2.30	1.23	2.89	6.49	.55	3.02	26.04
March ...	5.00	2.59	2.12	3.04	1.97	1.51	3.73	2.63	2.09	1.11	25.79
April ...	2.26	3.72	3.04	.78	2.46	3.09	.54	1.39	3.29	2.64	23.21
May ...	1.56	2.09	2.51	3.12	3.84	1.74	1.55	3.70	1.80	1.95	23.86
June89	4.23	3.64	3.56	3.22	2.70	2.30	4.72	4.42	1.71	31.39
July ...	3.48	2.15	5.49	5.52	2.12	7.08	4.95	3.86	3.28	7.34	45.27
August ...	5.09	4.72	5.23	5.85	1.36	10.50	6.19	4.67	.51	5.83	49.95
September ...	2.89	3.76	3.84	5.63	2.82	3.52	6.15	4.85	.33	3.02	36.81
October ...	1.35	4.62	2.23	7.58	2.55	3.30	6.29	4.42	4.95	4.74	42.03
November ...	8.33	2.47	4.49	6.33	2.26	1.89	2.25	1.61	4.52	7.37	41.72
December ...	7.74	4.19	1.78	6.85	5.81	4.35	5.05	4.13	7.52	4.71	52.13
TOTALS ...	45.93	40.89	38.42	55.97	33.77	45.87	46.19	46.85	36.81	49.38	440.08
	D	D	D	D	D	D	D	D	D	D	

Ins 22.9.58 C.S. Ransen. G. Sound. Exp sat.

Annual Average 43.90 in. based on 4 years obs. 1916-50. To short. Period of average 1916-50 **Rejected**.
1916-50 **Rejected**Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference 4886129

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - **Rejected**

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1914 ✓	✓ ✓	✓ ✓	✓ D41-47	