

## RAINFALL AT

Rochdale Fieldhead 70

Lat.

Lon.

County of

Lancashire

Rain Gauge, by

Observer

S.S. Platt Esq. C.S.

Diameter.....										8		
Height.....										64		
Altitude.....										486		
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....										6.41	4.06	1.77
February.....										4.88	1.79	2.88
March.....										3.41	2.37	1.83
April .....										2.69	2.09	2.30 1.87
May.....										1.03	3.19	4.64 2.03
June .....										3.43	2.17	2.62 5.80
July.....										3.09	5.65	.71 5.40
August .....										4.23	4.46	6.10 4.57
September.....										3.96	4.05	4.50 2.69
October.....										3.01	5.76	4.22 2.92
November....										3.78	6.73	3.02 2.16
December .....										6.22	3.66	2.48 3.18
TOTALS .....										52.46	38.81	37.10

RAINFALL AT *Rochdale, Fieldhead*

80

Lat.

Lon.

County of

*Lancashire*

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

Observer

*S.S. Platt Esq., C.E.**Hesley - Swell 3*

Diameter ....	8						8				
Height ....	6	4					6.4		12.0		
Altitude ....	486						486 ft		484 ft		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January.....	42	97	4.00	5.11	6.44	3.07	6.52	2.12	2.19	2.54	
February....	2.25	6.41	3.51	2.30	2.46	4.12	.83	.64	1.01	3.15	
March.....	3.27	4.79	3.52	.75	2.77	3.83	3.01	2.10	2.74	2.70	
April.....	2.03	1.90	4.67	1.75	1.56	1.33	2.84	.96	2.06	2.46	
May.....	2.38	4.19	1.88	.69	1.89	2.23	6.42	1.99	.93	1.93	
June.....	2.81	2.08	6.78	4.49	.91	5.15	1.68	.58	2.23	1.10	
July.....	6.21	3.72	6.12	2.80	4.51	1.54	3.75	1.88	6.93	3.36	
August.....	2.14	5.48	2.33	2.87	2.19	1.66	2.22	1.47	5.30	5.56	
September....	4.54	2.57	2.30	5.80	3.05	6.27	3.97	5.35	1.50	3.32	
October....	5.28	3.74	3.66	5.90	3.50	6.09	5.76	2.39	2.20	3.86	
November....	4.54	4.28	6.09	5.44	1.72	2.23	2.57	2.03	6.83	1.98	
December....	7.02	5.01	4.33	4.34	5.08	2.06	5.74	3.04	3.15	3.78	
TOTALS....	42.89	45.14	49.19	42.24	36.08	39.58	45.31	24.55	37.07	35.74	

*S<sup>t</sup> Chado Church 1155 1200 yards S by W.*

Gauge on large platform 6' 4" above platform 13' 8" above ground

1887 Wall 9 ft high 75 ft N

Wall 10 " " 90 ft W

Wall 7 " " 60 ft E

1888 Gauge moved 1<sup>st</sup> May 45 yards S

Annual values rejected from survey (7 low).

# RAINFALL AT Rochdale Fieldhead

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer J. S. Platt Esq, C.E.

Mersy - Irwell 3

Diameter ....	8											
Height .....	12.0											
Altitude ....	484 ft											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January .....	5.23	3.16	4.73	1.65	4.63	3.83	2.36	2.03	3.70	6.30	3.762	
February .....	.55	.43	3.30	5.87	7.07	.55	2.60	3.03	4.39	1.56	2.935	
March .....	3.78	2.40	1.61	1.27	4.91	3.86	6.29	4.77	2.25	2.84	3.398	
April .....	1.28	2.40	1.42	.67	1.78	2.13	2.00	3.14	2.61	3.74	2.117	
May .....	2.97	3.03	4.46	2.34	3.21	.81	.54	2.09	3.63	3.20	2.628	
June .....	3.17	1.80	3.27	2.03	3.36	3.20	3.19	4.32	2.76	1.94	2.904	
July .....	2.74	3.41	3.52	3.39	4.05	5.58	3.08	1.68	.60	2.15	3.020	
August .....	4.85	7.94	4.93	2.85	4.33	4.81	2.28	5.85	6.07	1.64	4.555	
September....	1.97	3.61	4.68	5.06	.35	2.09	8.92	4.66	1.01	7.60	3.995	
October.....	3.80	6.32	6.53	4.40	4.80	4.75	4.63	2.71	4.66	3.79	4.639	
November....	7.22	4.51	3.68	3.90	2.97	3.84	1.55	5.66	3.37	1.65	3.835	
December ...	.36	9.35	3.07	4.75	4.84	5.70	5.99	6.16	4.96	3.28	4.846	
TOTALS ...	37.92	48.36	45.20	38.18	46.30	41.15	43.43	46.10	40.01	39.69	42.634	

1890 S. Chads Rochdale 1155 yards SSW of Fieldhead  
wall of fl ht 210 ft N

" 14 " " 150 " E

Slabbs 20 " " 150 " S

Shed 15 " " 66 " W

New gauge January 1898

Annual values rejected for survey (7 low)

## RAINFALL AT Rochdale, Fieldhead

Lat.

Lon.

County of Lancashire, South.

Recording Rain Gauge, by Richard J. Fr. Observer S. S. Platt Esq. B.B.

Say, from Casella 1909

Irwell 3

Diameter ..											
Height ..									12 0		
Altitude ..										484	
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..										2.12	4.28 3.09
February ..										2.76	4.16 2.59
March ..										3.99	3.08 2.96
April .....										1.83	2.42 3.89
May .....										3.50	2.61 2.06
June .....										7.51	1.52 2.17
July .....										3.57	4.58 6.60
August .....										4.22	4.13 2.77
September..										1.05	3.87 2.93
October....										5.13	1.59 6.25
November..										3.36	3.00 1.75
December ..										4.42	2.91 7.37
TOTALS ..										43.46	38.15 44.43

D D 3

1909 St. Chads Church 1155 yards 55W  
 Warrington Station 380 . SE

Annual values rejected from Survey (8" low)

# RAINFALL AT Rochdale Fieldhead

Lat.

Lon.

County of Lancashire South

Rain Gauge, by

Observer S. S. Platt Esq. C.E.

Iwell 3

Diameter ..	8										
Height ..	120										
Altitude ..	484 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.75	3.36	3.15	4.00	3.92	2.32	5.65	2.10	4.17	2.99	3.835
February ..	3.70	1.75	1.50	4.31	3.84	2.60	4.37	2.72	4.06	2.51	3.136
March ..	.70	3.74	2.66	5.00	2.42	3.36	3.78	3.92	3.02	2.94	3.154
April .....	2.82	2.93	2.16	2.16	3.08	3.37	1.84	1.82	2.43	3.82	2.643
May .....	1.46	1.18	2.87	3.72	2.86	.49	2.90	3.48	2.59	2.04	2.359
June .....	4.97	1.95	1.21	1.57	.97	2.89	1.14	7.46	1.53	2.15	2.584
July .....	2.50	1.86	2.63	4.44	1.40	3.23	2.05	3.52	4.52	6.45	3.260
August .....	5.78	2.82	3.04	6.29	5.23	4.67	5.00	4.19	4.10	2.72	4.384
September ..	1.30	1.09	1.96	5.11	1.40	2.70	1.40	1.05	3.78	2.87	2.266
October .....	6.06	3.39	4.76	8.96	2.21	3.94	7.41	5.07	1.58	6.03	4.941
November ..	3.88	6.33	2.42	3.86	3.98	3.89	4.47	3.36	2.92	1.71	3.682
December ..	5.77	6.56	3.75	2.25	3.13	.90	4.79	4.35	2.91	7.15	4.156
TOTALS ..	45.69	36.90	32.11	51.67	34.44	34.36	44.80	43.04	37.61	43.38	40.400 45.4

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Hub

1900 St. Chad's Church 1155 yards S.S.W.

Wall 9 ft high 210 ft N

" 14 " 150 " E

Stables 20 " 150 " S

Shed 15 " 66 " W

1903 Woodlawn Station 380 " S.E.

Annual totals rejected from survey. (7" low)

## RAINFALL at Rochdale Fieldhead Yard

County of South Lancashire Observer S. S. Platts cl H. Yardwood

River Basin Mersey-Tirell 3

Ordinary Rain Gauge, by Casartelli

Diameter ...	8										
Height .....	12.0										
Altitude ...	484	ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.58	1.68	4.52	4.04	3.61	7.04	3.74	3.43	3.21	4.79	
February ...	4.61	5.52	1.73	1.52	2.59	5.14	5.65	1.19	6.94	1.11	
March .....	.83	2.10	5.70	4.90	5.12	1.38	2.31	3.07	1.93	5.88	
April .....	2.98	2.68	1.33	4.48	1.63	1.88	3.26	1.96	1.38	2.22	
May .....	2.77	1.70	2.55	3.55	2.64	1.73	2.59	2.51	2.15	2.01	
June .....	3.55	3.08	5.23	2.41	2.66	.97	2.33	2.00	1.29	1.83	
July .....	4.29	.84	3.77	.85	4.37	4.63	1.94	2.38	3.76	2.45	
August .....	6.23	2.29	6.67	2.14	3.26	5.42	2.85	7.00	3.18	3.49	
September ..	.15	3.93	1.53	1.44	3.53	.81	2.63	2.44	12.54	1.93	
October ...	3.57	2.87	5.03	1.93	2.50	1.94	8.39	8.80	3.69	2.68	
November ..	5.44	4.43	3.38	5.17	5.83	2.52	3.53	5.01	2.71	3.82	
December ...	4.37	6.74	5.35	3.14	6.16	7.15	3.14	2.53	9.51	8.28	
TOTALS ...	44.37	37.86	46.79	35.57	43.90	40.61	42.36	42.32	52.29	40.49	

1912 Wall 9-14 ft high 50+70 yards E+N  
Stables 20. 50 5  
Shed 15. . 22 65

Rejected from Survey. 7" low.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53°37'23" N	2°9' W	Wardleworth	380 yds	SE	Sifhado	1155 yds	SSW

## RAINFALL at Rochdale Fieldhead Yard

County of South Lancashire

Observer S. S. Platt Esq. C.

H. Garwood

River Basin Mersey Irwell 3

Recording Rain Gauge, by Casella

Diameter ...	8										
Height .....	12.0										
Altitude ...	484 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.67	1.68	4.57	4.06	3.61	7.12	3.74	3.47	3.29		
February ...	4.68	5.61	1.74	1.51	2.59	5.19	5.65	1.18	7.04		
March .....	.83	2.12	5.72	4.89	5.12	1.38	2.31	3.03	1.93		
April .....	3.02	2.70	1.33	4.47	1.64	1.88	3.26	1.96	1.38		
May .....	2.79	1.71	2.55	3.56	2.64	1.75	2.59	2.55	2.15		
June .....	3.59	3.08	5.26	2.41	2.66	.96	2.33	2.00	1.27		
July .....	4.38	.86	3.81	.85	4.38	4.63	1.94	2.38	3.75		
August .....	6.33	2.29	6.73	2.14	3.26	5.46	2.85	7.00	3.18		
September ..	.15	4.06	1.54	1.44	3.53	.80	2.63	2.44	12.59		
October ...	3.64	2.89	5.09	1.93	2.50	1.94	8.43	8.80	3.69		
November ..	5.56	4.45	3.43	5.17	5.83	2.59	3.52	5.01	2.71		
December ...	4.39	6.81	5.39	3.16	6.16	7.17	3.14	2.53	9.51		
TOTALS ...	45.03	38.20	47.16	35.59	43.92	40.87	42.39	42.35	52.69	NR	
	7	7	7	7	7	7	7	7	7		

1912 Wall 9-14 ft high 50-70 yds E + N  
 Slab 20 - . 50 S  
 Shed 15 - . 22 W

Rejected from Survey 8' low.

Date.	Lat. N.	Long. W	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53.37.23	2.9.		Wardleworth	380 yds	SE	St. Chad's	1155 pts	SSW

RAINFALL at Rochdale Fieldhead YardCounty of S. Lancashire)Observer H. Garwood Esq. C.E.River Basin Mersey-Irwell 3S. H. Morgan, Esq. (1922)  
Borough Surveyor (Rochdale).Ordinary Rain Gauge, by Casanielli

Diameter ...	8								8"		
Height .....	12.0							1'			
Altitude ...	484							473			
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<u>MEANS.</u>
January ...	5.45	7.62	3.94	4.57	3.31	3.77	4.99	4.59	12.58	2.48	6.74
February ...	4.84	5.2	4.99	6.36	1.31	7.39	3.54	1.80	6.11	.92	.53
March .....	4.06	3.92	2.93	2.05	1.62	1.64	2.43	5.30	2.96	1.52	3.18
April .....	5.68	1.84	2.35	3.86	1.66	2.92	1.85	2.93	.93	1.30	2.44
May .....	7.01	2.10	1.28	4.16	5.42	6.14	4.20	1.81	1.28	3.69	2.09
June .....	2.76	3.9	2.29	1.03	2.20	1.19	2.21	4.12	6.59	1.54	2.50
July .....	10.18	2.06	4.88	4.56	4.17	1.88	2.54	3.53	1.75	3.13	7.00
August .....	3.09	6.68	4.39	5.77	5.64	3.43	4.97	7.53	4.66	6.43	7.29
September...	3.67	1.56	3.57	4.47	4.25	3.71	3.27	6.07	.58	2.82	3.54
October .....	1.73	4.35	3.84	6.12	5.34	5.05	3.91	3.92	4.90	6.18	6.30
November...	2.27	2.70	3.53	7.39	2.57	2.66	5.96	4.75	7.99	8.61	6.19
December...	3.94	7.17	5.57	4.24	5.05	3.40	1.72	1.18	3.32	8.66	3.99
TOTALS...	54.68	40.91	40.56	54.58	42.54	42.18	41.59	47.53	53.65	47.28	51.79

1926. Wall 9ft. high 70 yds N.  
" 14 " 50 " E.Stables 20 " 50 " S.  
Bldg 15 " 22 " W.1928. The height of the rain-gauge was lowered 1' 0" above the ground on the 1<sup>st</sup> Jan. 1928.  
The position is practically the same.Rejected from Survey 7' low.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
	53° 37' 23"	2° 9'	Wardleworth	380 yds	S.E.	St. Chad's	1155 yds	SSW

## RAINFALL at Rochdale (Fieldhead Yard)

County of South Lancashire Observer S. H. Morgan, Esq., C.E.

River Basin Mersey-Tweddle-3.

Type of Gauge.....

Annual Average 44.8 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. S.  
743051/27.

Diameter ....	8.										
Height ....	1.0.										
Altitude ....	473.										
Year ....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.07	5.92	2.74	4.08	2.04	4.76	4.00	6.01	6.27	2.52	
February	5.65	.28	3.36	.52	5.82	2.45	5.98	2.32	5.36	2.73	
March	.50	2.90	3.13	2.75	1.33	2.66	1.90	1.28	3.01	4.05	
April	3.64	3.64	1.85	2.48	3.55	.99	2.67	.68	1.91	2.20	
May	2.45	4.60	1.70	3.13	1.04	1.48	2.43	3.95	1.74	1.11	
June	4.89	.81	2.29	2.50	4.52	4.26	2.15	5.60	3.27	.85	
July	4.45	4.04	3.97	2.06	1.72	4.00	2.48	4.65	7.02	3.97	
August	4.54	1.41	1.88	4.04	1.65	2.67	2.95	4.18	3.87	1.88	
September	3.23	5.52	1.37	3.69	8.01	5.29	1.87	1.59	1.78	4.17	
October	2.56	7.38	5.12	5.90	9.33	5.57	1.99	10.90	2.01	4.32	
November	7.16	3.66	1.93	2.02	5.00	7.35	1.86	6.47	7.34	7.23	
December	2.38	2.07	.67	6.39	4.16	4.33	3.04	5.43	3.57	4.27	
TOTALS ....	47.52	42.22	30.01	40.03	48.17	45.81	33.32	53.06	47.15	39.30	
	D.										

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....  
1 mile to 1 inch Series }

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

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. ....

2862

RAINFALL at ..... Rochdale (Fieldhead Yard)

41

County of ..... South LancashireObserver S. H. Morgan Esq. C.E.

2.48.

River Basin Mersey - Irwell - 3W.H.G. Mercer, Esq. B.Sc. Tech. A.M.I.C.E.Type of Gauge ..... GlassBorough Surveyor (1950)Annual Average 44.8 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 743051/2

Diameter	8"			561	581							
Height	10"					1						
Altitude	473'					X41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	.97	5.28	6.21	6.09	3.87	5.77	3.51	10.65	2.60	2.55		
February	4.82	2.04	3.55	2.24	6.19	7.32	1.29	3.88	2.67			
March	3.89	3.40	1.37	4.8	1.42	1.46	6.04	1.83	3.18	2.04		
April	1.98	2.94	2.66	3.28	2.53	1.59	4.11	2.09	5.04	3.58		
May	2.54	3.58	3.04	2.97	4.21	1.47	2.27	1.75		1.83		
June	.36	.64	4.40	3.56	5.00	3.31	2.63	5.84		2.05		
July	3.10	4.25	2.10	4.53	2.56	4.56	4.03	2.15		4.53		
August	6.11	5.14	7.32	2.62	2.94	6.16	3.34	4.54	3.68	5.97		
September	73	2.33	4.78	4.81	3.19	8.21	3.75	3.57	1.46	8.13		
October	4.81	5.93	2.63	5.38	7.20	7.8	1.07	3.81	5.16	2.50		
November	3.26	1.55	3.71	9.00	78	7.38	6.12	2.78	5.31	4.85		
December	2.64	3.99	1.44	5.21	2.99	3.93	3.19	5.20	6.57	3.50		
TOTALS	35.21	41.07	43.21	50.17	42.88	51.94	38.35	48.09	N.P.	N.P. imp.		

1947. Period Bins 2' 7" high 7' 6" away. Cars 9' 0" high 25' 9" away. Banks of Timber 4' 4" high 27' 2" away  
1948. N.P. high, gauge brokenPosition of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....  
1 mile to 1 inch Series

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

Station No. 2862

RAINFALL at Rochdale (Fieldhead Yard.)County of S. LancashireRiver Basin Mersey - Irwell - 3Type of Gauge GlaisherAnnual Average 41.5 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 743051/27 I.W.S.

Diameter ...	<u>8"</u>			<u>561</u>	<u>581</u>						
Height ...	<u>1' 0"</u>					<u>1</u>					
Altitude ...	<u>473</u>					<u>51</u>					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	<u>5.39</u>	<u>6.62</u>	<u>1.89</u>	<u>5.77</u>	<u>5.63</u>	<u>5.13</u>					
February ...	<u>3.13</u>	<u>1.76</u>	<u>1.55</u>	<u>3.42</u>	<u>2.37</u>	<u>.85</u>					
March ...	<u>4.88</u>	<u>2.75</u>	<u>1.75</u>	<u>2.36</u>	<u>1.08</u>	<u>1.94</u>					
April ...	<u>3.21</u>	<u>3.90</u>	<u>2.75</u>	<u>.75</u>	<u>2.59</u>	<u>3.10</u>					
May ...	<u>1.84</u>	<u>2.29</u>	<u>3.17</u>	<u>3.07</u>	<u>3.96</u>	<u>1.51</u>					
June ...	<u>.89</u>	<u>3.77</u>	<u>3.55</u>	<u>3.34</u>	<u>3.03</u>	<u>3.04</u>					
July ...	<u>3.32</u>	<u>2.42</u>	<u>6.29</u>	<u>6.58</u>	<u>1.22</u>	<u>7.83</u>					
August ...	<u>5.79</u>	<u>4.60</u>	<u>4.88</u>	<u>6.49</u>	<u>.98</u>	<u>9.88</u>					
September ...	<u>2.95</u>	<u>4.03</u>	<u>3.72</u>	<u>5.80</u>	<u>3.30</u>	<u>3.71</u>					
October ...	<u>1.40</u>	<u>5.80</u>	<u>2.73</u>	<u>8.32</u>	<u>2.70</u>	<u>3.44</u>					
November ...	<u>9.18</u>	<u>2.97</u>	<u>5.25</u>	<u>6.52</u>	<u>2.27</u>	<u>1.40</u>					
December ...	<u>8.80</u>	<u>4.44</u>	<u>2.00</u>	<u>7.22</u>	<u>6.84</u>	<u>4.04</u>					
TOTALS ...	<u>50.78</u>	<u>45.25</u>	<u>39.53</u>	<u>59.64</u>	<u>35.97</u>	<u>45.87</u>					
	<u>D</u>	<u>d</u>	<u>d</u>	<u>01.</u>	<u>d</u>	<u>d</u>					

1951 Diesel pump 5' 8" high at 34° N.

1955 Open shed 11' 17½' SSW

1960 Irrigated, shaded down

Position of Station on Ordnance One-Inch map :

No. of Map .....

National Grid Reference SD (54) 899142

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓ ✓ last - 13	✓ D 21 - 30	✓ ✓ last 40	41-48 n.p. 48 D 44-45 47 D 41-43, 46	imp 49-50