

RAINFALL AT

Rochdale Fieldhead

70

Lat.

Long.

County of

Lancashire

Rain Gauge, by

Observer

S.S. Platt Esq. C.L.

Diameter.....											8
Height.....											6 4
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.**Long.*

County of

Lancashire

Rain Gauge, by

Observer *S.S. Platt Esq., C.E.**Hussey - Irwell 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	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	2.53	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	6.76	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

St. Chads Church ¹¹⁵⁵ 550 ft 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 1st May 45 yards S

Annual values rejected from survey (7 low).

RAINFALL AT Rochdale Fieldhead

Lat.

Law.

County of Lancashire

Rain Gauge, by

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

Mersey - Irwell 3

1890 Si phads Rockdale 1155 yards SSW of Fieldhead

Wall off high 210 ft

~ 14 ~ . 150 ~ E

Slabbs 20 ~ ~ 150 ~ \$

Shear 15 .. . 66 .. W

New gauge January 1898

Annual values rejected for survey (γ low)

RAINFALL AT Rochdale, Fieldhead

Lat.

Long. County of Lancashire, South.

Recording Rain Gauge, by Richard H. F. Observer S. S. Platt Esq. B.B.
Say, from Casella (70)

Inwell 3

Diameter ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height ..									12.0		
Altitude ..									484		
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
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	5.00	1.75	
December ..								4.42	2.91	7.37	
TOTALS ..								43.46	38.15	44.43	

0 0 0

1909 St Chads Church 1155 yards 55.65
Wardleworth 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.

Inwell 3

Diameter ..	8										
Height ..	12 0										
Altitude ..	484 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.75	3.30	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	4.49	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	3.20	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 45.41

1900 Fieldhead Church 1155 yards S.S.W

Wall 9 ft high 210 ft N

" 14 " 150 " E

Stable 20 " 150 " S

Shed 15 " 66 " W

1903 Woodlawn Station 380 " S E

Hus

Annual totals rejected from survey. (-" low)

RAINFALL at Rochdale Fieldhead Yard

County of South Lancashire Observer S. S. Platt by cl.
St. Yardwood

River Basin Mersey Gowell 3

Ordinary Rain Gauge, by Pascarella

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	
March83	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	3.56	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	3.28	5.17	5.83	2.52	3.53	5.01	2.71	3.82	
December ...	4.07	6.74	5.35	3.14	6.16	7.15	3.14	2.53	9.51	8.28	
TOTALS ...	44.87	37.86	46.79	35.57	43.90	40.61	42.36	42.32	52.29	40.49	

1912 Wall 9.14' high 50+70 yards E+N
 Stable 20. 50. 5
 Shed 15. 22. 15

Refugee from Survey. 7" low.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53° 23' N	2.9. W	Wardlewood	380 yds	SE	St. Chad's	1155 yds	SSW

RAINFALL at Rochdale Fieldhead YardCounty of South LancashireObserver J. J. Platt by C. E.
J. GarwoodRiver Basin Messary Lomwell 3Recording Rain Gauge, by Cassella

Diameter ...	6										
Height	12. c.										
Altitude ...	484 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.67	1.68	1.57	4.06	3.61	7.12	3.74	3.47	3.49		
February ...	4.68	5.61	1.74	1.51	2.59	5.19	5.65	1.18	7.04		
March83	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	4.00	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 ...	45.02	38.20	47.16	35.59	43.92	40.87	42.89	42.35	52.69	NR	
	3	3	3	3	3	3	3	3	3		

1912 Wall 9.14 ft high 50.70 yds E + N
 Sibley 20. 50 W
 Sheld 15. 22 W

Rejected from Survey & 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 yds	SSW

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

Diameter ...	9								8		
Height	12.0								1		
Altitude ...	484								473		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
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	8.82	4.99	6.36	1.31	7.39	3.54	1.80	6.11	.92	.53
March April.....	4.06	3.92	2.93	2.05	1.62	1.64	2.43	5.30	2.96	1.52	3.18
May	5.68	1.84	2.35	3.86	1.66	2.92	1.85	2.93	.93	1.30	2.44
June	7.01	2.10	1.28	4.16	5.42	6.14	4.20	1.81	1.28	3.69	2.09
July	2.76	.39	2.29	1.03	2.20	.19	2.21	4.12	6.59	1.54	2.50
August	10.18	2.06	4.88	4.56	4.17	1.88	2.54	3.53	1.75	3.13	7.00
September...	3.09	6.68	4.39	3.77	5.64	3.43	4.97	7.53	4.66	6.43	7.29
October.....	3.67	1.56	3.57	4.47	4.25	3.71	3.27	6.07	.58	2.82	3.54
November...	1.73	4.35	.84	6.12	5.34	5.05	3.91	3.92	4.90	6.18	6.80
December...	2.27	2.70	3.53	7.39	2.57	2.66	5.96	4.75	7.99	8.61	6.19
TOTALS....	52.68	40.91	40.56	54.58	42.54	42.18	41.59	47.53	53.65	44.28	51.79

1926. Wall 9ft. 8in. 70 yds N.
 " 14 " 50 " E.
 Stables 20 " 50 " S.
 Shed 15 " 22 " W.

1928. The height of the rain-gauge was lowered 10" above the ground on the 1st 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
53° 37' 28"	2° 9'		Wardleworth	390 yds	S.E.	St. Chads	1153 yds SSW

RAINFALL at Rochdale (Fieldhead Yard)

County of South Lancashire

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

River Basin Mersey Tewell - 3

Type of Gauge

Annual Average ~~mm~~ ^{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	2.28	3.36	5.52	5.82	2.45	5.98	2.32	5.36	2.73	
March	5.50	2.90	3.13	2.78	1.33	2.66	1.90	1.28	3.01	4.05	
April	3.64	3.64	1.85	2.40	3.55	0.99	2.67	1.68	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	1.81	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	3.65	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	6.90	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	2.88	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	
	2.	3	3.	3.	3.	3.	3.	3.	3.	3.	

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	Parish Church.	Distance from gauge	Direction

Station No. 2862

RAINFALL at Rochdale (Fieldhead Yard)

41

County of South Lancashire

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

River Basin Mersey - 3

W.H.G. Manser, Esq. B.Sc., M.A.M.I.C.E.

Type of Gauge Glaisher

Borough Surveyor (1950)

Annual Average 44.8 in. based on 5 years obs. un-weighted. Period of average 1881-1915

Ref. S.

File No. 743051/2

Diameter	8"			561	581						
Height	10'				1						
Altitude	473'			XU1							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	9.7	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	2.64		
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	3.6	6.64	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	3.15		4.53	
August	6.11	5.14	7.32	2.62	2.94	6.16	3.34	4.54	3.68	5.97	
September	7.3	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	7.78	1.07	3.81	5.16	2.50	
November	3.26	1.55	3.71	9.00	7.8	7.38	6.12	2.78	5.31	4.85	
December	2.64	3.39	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			

1947. Petrol Bins 2' 7" high 7' 6" away. Cedars 7' 0" high 26' 9" away. Banks of Timber 4' 4" high 27' 2" away
1948 3' 1" high, gauge leakingPosition 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

117(3)

RAINFALL at Rosedale (Fieldhead Yard)

51

County of S. LancashireObserver R. H. G. Hurst Esq. B.Sc. P.M. I.C.H.River Basin Mersey - Irwell - 3Borough LancasterType of Gauge GlaisherAnnual Average 41.5 in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 743051/27

Diameter ...	<u>8¹/₂</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>3.40</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>45.26</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>D</u>	<u>D</u>	<u>D</u>					

1951 Desert pump 5' 8" high at 34° N.

1955 Open shed 11' 17¹/₂ SSW

1960 Irrigated, balanced drain

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD(54) 879/142

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	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
		✓	✓	✓	41-48 n.p. 48 34-45 47 2-41-43, 46	
		✓ last - 13	321-30	✓ last 40		