

RAINFALL AT *Doncaster Pumping Station*

80

Lat. Lon. County of *Yorks*
 Rain Gauge, by Observer *WHR Crabtree Esq F.E*

Cause - Don Y.

Diameter			8					8			
Height			6					6			
Altitude			30					30 π			
Year.	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January			2.91	3.24	2.60	1.16	3.35	2.11	.41	1.89	
February			1.48	2.37	1.99	2.30	.62	.60	.85	1.48	
March			1.72	1.21	1.61	1.30	2.22	1.11	1.90	3.11	
April			3.60	2.44	1.49	1.94	2.11	.98	1.13	3.46	
May			1.88	1.89	.98	1.60	6.17	1.79	.53	4.37	
June			4.13	2.96	.56	2.53	.82	.19	1.80	.26	
July			3.31	3.52	2.58	.77	2.80	1.88	6.87	1.78	
August			2.34	.95	.53	1.90	1.48	1.93	2.25	3.60	
September....			1.10	5.47	1.79	1.77	1.24	2.17	1.15	1.53	
October			4.90	3.60	.80	4.41	4.04	1.98	.67	3.87	
November....			3.06	.95	.58	2.47	1.55	1.44	4.08	.54	
December....			3.69	1.68	2.05	.79	4.47	1.17	2.22	1.15	
TOTALS			34.12	30.28	17.56	22.94	30.87	17.35	23.86	27.04	

1887 *St Georges Church 1/4 mile S*
Engine House 36ft high 45ft E

RAINFALL AT Doncaster Pumping Station

Lat. _____

Lon. _____

County of _____

York W.R.

Rain Gauge, by _____

Observer _____

W.H.R. Crabtree Esq C.E.
Cuse. Dm 7

Diameter	8											
Height	0 6						1 2					
Altitude	30 M											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.30	.94	1.11	1.40	1.25	3.60	.43	2.74	.47	2.36	1.660	
February ....	.98	.05	1.90	2.53	2.89	.32	.62	2.95	.84	1.26	1.431	
March	1.41	1.33	.82	.35	.60	1.71	2.18	2.64	1.16	.95	1.015	
April .....	.41	1.47	1.03	.38	2.60	2.23	.85	1.35	2.68	1.99	1.499	
May	2.56	3.42	2.55	2.05	1.63	.93	.59	.64	1.60	2.47	1.844	
June	2.59	2.92	3.06	1.09	2.70	1.96	3.15	2.48	1.00	1.86	2.281	
July	2.58	2.19	1.97	4.53	3.44	4.87	1.38	.65	2.19	1.56	2.536	
August	2.52	3.43	2.06	1.61	2.08	1.76	1.56	3.00	3.91	.90	2.283	
September....	1.59	1.87	1.87	.96	.54	.84	4.11	1.85	.61	1.94	1.618	
October.....	1.09	3.37	4.63	1.43	3.25	3.13	3.28	1.03	2.49	3.28	2.698	
November....	3.48	2.63	1.06	1.67	1.22	3.34	1.79	2.72	2.26	1.34	2.157	
December ....	.61	3.56	.45	2.53	1.37	2.81	2.93	2.20	1.92	2.84	2.122	
TOTALS . . .	22.12	27.18	22.51	20.53	23.57	27.50	22.87	24.25	21.13	22.75	23.441	

1890 St Georges Doncaster 1/4 mile S.W
 Engine House 36ft high 40ft S

RAINFALL AT Doncaster Pumping Station

Lat.

Lon.

County of York W.L. Southern

Rain Gauge, by N. 43

Observer W. H. R. Gaudet Esq. C.E.

7. Oscar Kirby Esq. C.E.

Raise - Don. 4

Diameter ..	8										
Height	1.2										
Altitude ..	308										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.33	1.17	.83	2.00	2.20	.49	2.80	.65	1.16	.80	1.543
February ..	3.66	1.22	1.40	1.38	3.74	.73	2.13	1.30	1.69	.55	1.780
March ....	.63	1.60	1.32	2.60	1.77	2.33	1.66	1.39	3.15	3.12	1.957
April .....	.81	1.31	2.18	.77	1.44	1.81	.83	2.04	2.29	1.52	1.510
May	1.19	.64	2.61	2.98	1.89	.45	1.26	3.58	2.31	1.95	1.886
June	1.86	1.22	1.60	1.21	.41	2.18	2.02	3.13	1.35	2.96	1.794
July	1.62	2.18	1.86	2.39	2.40	1.32	.39	2.97	3.70	3.77	2.260
August	3.56	1.34	4.91	2.90	3.29	3.09	1.53	1.90	2.15	3.17	2.784
September ..	.74	1.11	1.02	3.36	1.40	1.15	1.02	.60	1.49	2.05	1.394
October	3.42	2.10	2.49	6.28	.47	1.34	5.42	5.19	.77	2.17	2.965
November ..	2.36	3.29	1.78	1.42	1.18	3.38	2.81	2.57	.96	.29	2.014
December ..	2.92	5.07	2.05	.93	1.41	.42	2.31	2.71	1.57	4.94	2.433
TOTALS ..	26.10	22.35	24.05	28.22	21.60	18.69	24.18	28.03	22.69	27.29	21.320

1900 St. Georges Church 1/4 mile S.W.

Engine No 36 ft high 45 ft E

1903 Doncaster Station 3/8 mile S

Hub

RAINFALL at Doncaster Pumping StationCounty of W. Yorksh.Observer F. Oscar Kirby Esq. C.E.River Basin Ouse Don 7Copper Glaisher Rain Gauge, by N43

diam { $\begin{matrix} 8.00 \\ 7.95 \\ 8.00 \end{matrix}$ glass broken; .01-.20 correct.
Snordon 19 Nov 1913 N43

Diameter ...	8										
Height	1.2										
Altitude ...	30 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.07	1.15	3.91	2.68	.57						
February ...	1.84	.98	1.29	.52	.91						
March .....	.49	1.13	2.90	1.86							
April	1.89	.96	.21	2.02							
May	2.03	.62	3.46	1.65							
June	2.98	3.57	4.24	.56							
July	3.65	.26	4.54	.63							
August	2.80	2.19	5.11	1.05							
September ..	.36	2.22	1.14	7.12							
October ...	2.23	2.35	2.54	2.49							
November ...	3.41	2.96	2.12	1.80							
December ...	3.38	3.87	1.95	.94							
TOTALS ...	27.13	22.26	33.31	23.32							

1912 Engine House 36 ft high 45 ft E
 1912 Dec 31 moved 150 ft NE
 1913 Nov 19 New Snordon tested N43
 Boile No. 14 high 30 ft 55

See Hand Book

Inspected C.S. 1. 12.13. Old Glaisher. collar under funnel entirely detached, being secured with metal strip & gapping badly. Must catch too much. Rather sheltered by surrounding bushes 3 ft high 5 ft NE & SE. New g. to be erected.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Doncaster	3/8 m	S + 1/2 E	St. George's	1/4 m	S + 1/2 E

RAINFALL at Doncaster Pumping StationCounty of W.R. YorkshireObserver F. Oscar Kirby Esq. C.E.River Basin Ouse DonR.E. Ford Esq. C.E.Insider Rain Gauge, by N43 3355New Gauge

Diameter ...					5						
Height					1.6						
Altitude ...					30						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...					54	1.89	.44	1.71	1.29	2.50	
February ...					.90	2.30	2.74	.46	1.28	2.16	
March					1.29	.62	3.17	1.46	.65	3.02	
April .....					.45	.62	1.03	1.45	.95	1.52	
May					1.34	1.45	2.19	2.00	2.28	1.22	
June					1.26	.69	1.79	1.17	.88	.81	
July					3.75	4.11	.97	.87	3.20	2.88	
August					2.21	2.04	1.58	4.08	1.89	2.54	
September ..					.90	.56	2.00	.56	3.89	1.72	
October ...					2.14	.77	1.36	2.13	1.38	2.72	
November ..					2.07	1.75	2.67	1.01	1.10	1.66	
December...					4.17	5.15	1.94	.88	2.53	2.93	
TOTALS ...					21.32	22.15	21.88	17.78	21.32	25.48	

1914 Boiler House 14 ft high 30 ft 5.6.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53.32.	1.7.		Doncaster	7/8 m	SW	St. James	1/4 m	SW

RAINFALL at Doncaster Pumping StationCounty of W. Yorks.Observer G. G. Kirby Esq. C.E.River Basin Guse-DowBorough Exp. Doncaster.Snowdon Rain Gauge, by No. 7 No. 3555

(Old Gauge)

Diameter ...	5											
Height	1	6										
Altitude ...	30											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	2.43	1.71	2.42	1.05	1.48	1.40	2.53	1.64	3.59	1.75	3.27	
February ...	2.01	1.5	2.54	4.10	.98	2.69	2.06	1.57	2.04	.63	.65	
March	1.82	.53	1.33	1.43	1.06	.57	.74	1.69	2.73	.05	2.40	
April	3.23	1.29	2.65	1.71	1.40	1.90	1.74	1.96	0.85	.62	2.36	
May	3.69	1.28	.83	2.89	3.04	3.85	2.17	1.79	2.45	1.11	1.48	
June	1.58	.16	.84	1.18	2.03	.17	3.45	2.20	2.68	1.15	2.44	
July	3.86	.56	3.10	3.71	2.37	1.13	1.53	3.11	0.58	1.50	5.86	
August .....	.76	3.74	5.49	2.14	5.01	2.14	3.67	6.23	2.88	1.61	2.47	
September...	1.20	.74	2.12	2.06	2.43	2.88	.98	4.67	0.28	1.00	4.31	
October	1.76	1.56	.94	1.20	3.43	2.67	2.39	1.70	4.40	2.50	2.15	
November...	1.06	1.62	.78	2.26	1.57	1.88	3.36	2.81	2.25	4.08	3.00	
December...	2.22	1.88	3.07	2.51	1.88	2.21	.79	2.57	1.69	4.13	1.88	
TOTALS...	25.62	15.22	26.11	26.24	26.58	23.49	25.41	31.94	26.22	20.13	32.27	
	D	D	D	D	D	D	D	D	D	D	D	

1920 Boiler House 14 ft high 30 ft SW.

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
1920	53° 32'	1° 7'	Doncaster	7/8 min	SW	St. George's	1/4 min	SW

RAINFALL at Doncaster Pumping StationCounty of Yorkshire W. R. Observer F. O. Kirby Esq. L. E.River Basin Ouse - Don 7. Don Engls. Doncaster

Rain Gauge, by.....

(New Gauge)

Diameter												5
Height												10
Altitude												31
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January												
February												
March												
April												
May												
June												
July												
August	See previous sheet for old g.											
September												4.37
October												2.16
November												3.04
December												1.91
TOTALS												inf.

New G. on new site 150 yds. W. of existing gauge. Will eventually replace Old G.

H. Pleschke noted N° 11 1605 when he visited site 11.654 but he was unable to decipher "PRO 4300/30" which is given on 54 711/30 but 1A as the number of the gauge set up in 1930. We believe that concrete setting noted in 1934 was laid down in 1930.

Position of Station on reduced Ordnance Survey
Map, 2 miles 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

RAINFALL at Doncaster (Pumping Stn.) old g.County of West Riding Observer F.O. Kirby, Esq., C.E.River Basin Ouse - Don - 7

Type of Gauge.....

Annual Average 24.5 in. based on 35 years obs. un-weighted. Period of average 188-1915 Ref. S

54711/30

Diameter	5.										
Height	1.6.										
Altitude	30.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.67										
February	1.97										
March	.32										
April	3.00										
May	2.28										
June	5.67										
July	4.97										
August	4.92										
September	3.06										
October	.90										
November	2.12										
December	.94										
TOTALS	32.82										
	D	# Terminated See file 54711/30. Replaced by new g 3157/1									

D. Terminated See file 54711/30. Replaced by new g 3159/1

1931. Boiler house 14' high 30ft SW.

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	Direction from gauge
1931			Doncaster Central	58 ml	SW	St. Georges	3/8 mile	SW

RAINFALL at Doncaster (P.S.) near g.County of W. Riding Observer H.W. Kirby C.E.River Basin 7- Ouse-Don.

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

54711/30.

Diameter	5"											
Height	1' 0"											
Altitude	31'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	1.63	1.04	2.16	1.65	1.30	3.06	3.48	1.67	3.80	1.91	21.75	
February	2.02	.34	3.66	.72	2.39	2.77	2.92	1.23	.76	1.72	18.42	
March	.32	1.56	3.12	1.98	1.21	1.27	2.25	.27	1.67	1.55	15.20	
April	3.03	1.72	0.89	2.31	1.51	1.51	3.37	.06	1.43	1.79	17.92	
May	2.32	6.80	2.47	.88	.46	1.21	3.29	2.68	1.58	.54	22.29	
June	5.70	1.08	2.82	1.68	2.69	3.81	2.49	1.82	1.60	1.14	24.43	
July	4.99	3.32	1.45	2.14	.91	3.50	2.54	2.52	3.34	5.02	29.73	
August	4.94	2.34	0.38	1.12	1.97	1.61	.17	1.69	1.61	.47	16.30	
September	3.05	1.53	1.68	1.44	4.53	2.29	1.16	1.95	1.20	.67	19.61	
October	.90	3.06	5.36	1.33	3.19	2.31	3.06	2.28	2.51	3.46	27.46	
November	3.15	1.34	2.07	2.29	4.47	2.96	1.47	2.02	3.49	4.77	28.03	
December	.94	.98	0.40	3.60	2.83	1.37	3.43	2.89	2.13	2.32	20.89	
TOTALS	33.04	25.17	26.05	21.14	27.71	27.67	29.63	21.08	25.12	25.36	261.97	

1931. Pump house 27' high 120' W

1940. Jan part cald.

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	Direction from gauge
1931			Doncaster Central	3/4 m.	S.W.	St. George's	3/4 m.	S.W.

Station No. 3159/1

RAINFALL at Doncaster (P.S.) new gauge

41

County of West Riding Yorkshire Observer H. C. Kinsley Esq. B. Sc. (Eng. 1923)River Basin Don

Type of Gauge

Brass Engineer's Standard

Annual Average in. based on years obs. un-weighted. Period of average Ref.

File No. 5471130

Diameter	5"			0.86	3.89						
Height	1' 0"				1						
Altitude	31'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.43	2.11	3.01	2.21	1.91	1.79	2.13	4.28	.76	1.06	22.69
February	2.39	1.01	.70	1.53	1.42	2.25	2.10	1.07	.74	3.98	17.23
March	2.60	2.12	.63	.38	.36	1.05	4.04	.49	1.52	.94	15.13
April	1.28	.81	.98	1.96	1.31	1.09	1.90	1.41	2.09	2.75	15.58
May	2.10	2.58	1.86	2.16	1.63	1.63	1.51	1.38	1.44	2.12	18.41
June	.27	1.16	.82	2.16	2.10	2.54	3.14	2.48	.40	1.10	16.17
July	2.83	1.15	.68	1.96	1.78	4.79	.91	.95	3.79	1.74	20.58
August	2.24	2.54	1.91	3.05	1.72	4.73	.51	3.77	1.71	3.24	25.42
September	.37	1.84	2.77	3.27	1.15	2.61	1.22	.98	.63	2.68	17.52
October	2.07	2.22	1.42	2.32	2.88	.87	.66	1.40	3.63	.72	18.19
November	3.07	1.49	1.34	3.59	.27	4.70	1.12	.94	2.93	3.71	23.16
December	.48	1.13	.78	1.68	1.20	3.14	2.21	2.61	1.58	1.17	14.98
TOTALS	24.13	20.16	16.90	26.33	17.73	30.19	21.45	21.76	21.25	25.16	225.06

1941 Pump House 27 ft. high 120 ft. W.

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.
1941			Doncaster Central.	3/8 ml.	S.W.	St. George's.	3/8 ml.	S.W.
1947			"	"	"	"	1/2 ml.	S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 3159/1RAINFALL at Doncaster (Pumping Station)

51

County of West Riding - Yorks

Observer

Borough Registrar & SurveyorRiver Basin Cuse - DonIn. Lawley Esq., C.E.Type of Gauge M.O. + A

Annual Average in. based on years obs. un-weighted. Period of average Ref.

" " 24.60 " 26 " within 1931-57 " 17.6-50

File No. 5471/30

Diameter	5"											
Height	1'0"											
Altitude	31'											
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total	
January	1.52	1.85	.40	1.34	1.59	3.24	1.12	2.20	2.29	4.51	20.06	
February	2.42	.49	1.64	2.16	1.76	1.20	1.67	3.56	.04	1.82	16.76	
March	2.35	1.87	.64	1.52	2.24	.74	.97	1.87	.78	1.36	14.39	
April	.69	.63	1.99	.31	.68	2.06	.16	0.28	2.73	0.58	10.11	
May	4.22	1.48	1.65	3.26	2.51	.24	.88	1.79	.51	0.90	17.44	
June	.83	1.92	1.30	1.68	2.57	4.10	1.85	4.06	1.24	0.41	19.96	
July	1.62	1.62	2.75	1.72	.64	3.65	4.24	4.98	1.54	2.44	25.20	
August	4.45	.93	2.14	5.26	.49	5.96	5.51	3.21	.32	3.27	31.54	
September	1.17	2.23	1.57	1.48	.76	1.81	3.48	1.63	0.00	2.86	16.99	
October	1.27	2.68	1.89	2.55	1.48	1.23	1.02	1.35	1.67	5.64	20.78	
November	5.08	1.58	1.24	4.32	1.78	.69	2.37	.73	2.90	3.28	23.97	
December	1.50	1.50	1.12	2.31	2.19	1.99	1.89	3.10	2.59	1.87	20.06	
TOTALS	27.12	18.78	18.33	27.91	18.74	26.91	25.16	28.76	16.61	28.94	237.26	
	D110	D76	D75	D110	D76	D104	D102	D117	D108	D118		

1951. Pump house 27' high 120' W.

R. 16 gauge defines v instrument set in concrete Sea level 63.4 file 5471/30
Inf. 1959 SatisfactoryPosition of Station on Ordnance One-Inch map: No. of Map 103 National Grid Reference SE(44)576040

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Doncaster	5/8 m SW.	Doncaster	1/2 m SW.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		Camp 1930	✓	✓	
			✓	✓	