

RAINFALL AT Kirkstead Woodhall Spa

Lat.

Lon.

County of Lincoln

Rain Gauge, by

Observer

C. J. Williams Esq M.D.

witham - 3.

Diameter ...		5										
Height		1 0										
Altitude ...		37 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January72	1.44	1.78	2.41	.97	2.44	.98	2.36		
February			2.04	2.37	1.38	.00	.00	2.60	.60	1.14		
March			1.03	.42	.64	3.04	2.11	1.92	1.20	.57		
April.....			1.48	.22	2.08	1.29	.71	1.36	2.48	2.27		
May			1.95	.67	1.44	.79	.79	1.20	1.96	2.68		
June			2.36	1.73	2.40	1.43	2.04	1.96	1.78	2.46		
July			2.49	2.51	4.46	3.17	1.69	.89	.46	.72		
August			1.39	1.28	2.83	2.28	.95	2.98	2.70	.53		
September....			1.98	1.12	.73	.30	3.53	2.34	.36	2.46		
October.....			5.07	1.37	2.51	2.06	3.39	.53	2.70	2.38		
November....			1.93	2.46	2.30	2.81	.96	2.36	1.77	1.07		
December22	1.88	1.78	2.20	3.69	1.74	2.08	2.09		
TOTALS			22.66	17.47	24.33	21.78	20.83	22.32	19.07	20.73		

1892 Layton St Andrews 517 yards N
 Plum tree 8 ft high 25 ft SE
 1895 St Peters Church 200 yards S

RAINFALL AT Kirkstead Woodhall Spa

Lat.

Lon.

County of Lincoln North

Rain Gauge, by

Observer C. J. Williams Esq. M.A.

Witham - 3.

Diameter ..	5									
Height	1 0									
Altitude ..	37 T									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
										MEANS.
January ..	2.75	.57	.72	1.58						
February ..	4.06	1.51	1.38	.39						
March ..	.43	1.26	1.38	3.13						
April ..	2.04	1.22	1.40	1.42						
May ..	.94	1.33	2.82	1.97						
June ..	2.49	1.17	2.24	.85						
July ..	1.24	2.55	1.49	2.03						
August ..	3.67	2.35	3.02	4.44						
September ..	.83	1.18	.77	3.33						
October ..	2.30	1.96	2.25	5.73						
November ..	2.07	1.77	1.41	1.67						
December ..	3.28	4.33	1.34	1.01						
TOTALS ..	26.10	21.20	20.22	27.55						

RAINFALL AT Woodhall Spa Palm House

Lat.

Lon.

County of N Lincoln

Copper Smelting Rain Gauge, by H+3
Witham - 3. Observer J Collinsby

Diameter ...										5
Height										10
Altitude ...										72
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
										MEANS.
January ...									1.14	1.17
February ...									1.34	.45
March									2.01	3.57
April									2.11	1.41
May									1.43	1.12
June									1.81	2.84
July									2.52	3.89
August.....									2.30	3.83
September ..									1.36	1.32
October ...									1.08	2.56
November ..									1.18	.43
December ...									1.444	4.46
TOTALS ...									19.72	27.05

1908 St Peters Church 100 yards S
Woodhall Spa Station 1/4 mile W
House 20 ft high 10 yards N

RAINFALL at Woodhall Spa Salom House

County of Lincolnshire

Observer J. Collins Esq

River Basin Witham + c 3

Snowdon Rain Gauge, by N & J

Diameter ...	5										
Height	1.0									1.6	
Altitude ...	72										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.74	1.51	3.00	2.57	1.29	2.38	.72	2.94	1.70	2.75	
February ...	2.18	.97	1.19	.62	.72	2.47	3.82	1.13	1.34	1.86	
March54	1.97	2.04	2.37	2.11	1.47	3.93	1.65	.69	2.20	
April	1.68	1.31	.23	1.74	.92	.46	1.53	2.25	1.08	1.94	
May	2.71	1.39	1.60	2.06	1.01	1.57	2.27	1.56	2.61	.73	
June.....	2.25	3.53	4.03	.96	1.95	.63	1.94	1.35	.87	1.19	
July	2.44	.38	4.31	.59	2.28	6.19	2.01	1.22	2.13	3.57	
August.....	3.10	2.21	5.67	.69	.93	2.63	3.90	4.59	1.86	2.80	
September ..	.48	1.76	1.61	1.64	.86	.83	1.22	.87	3.34	2.02	
October ...	1.32	1.77	1.89	4.81	1.96	1.24	1.77	2.93	1.41	2.08	
November ..	2.58	2.23	2.69	2.05	2.23	2.06	2.48	1.44	1.69	1.86	
December ...	3.26	3.55	2.77	.47	4.52	4.77	2.56	1.40	2.61	3.14	
TOTALS ...	24.23	22.58	31.03	20.57	20.78	26.59	28.15	23.33	21.33	26.14	
	"	"	"	"	"	"	"	"	"	"	

1912 House 20 ft high 20° N

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Woodhall	1/2 m	W	Sidlets	20 yds	S

RAINFALL at Woodhall Spa Galley House

County of Lincolnshire) Observer J. Collins Esq.

River Basin Witham & c. 3.

Snowdon Rain Gauge, by Neg.

Diameter ...	5"										
Height	1 6										
Altitude ...	72										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	1.50	2.00	2.13	1.52	1.90	1.34	2.20	1.25	2.85	1.60	2.04
February ...	1.15	1.27	2.16	3.01	1.87	1.85	1.39	1.67	1.12	.58	.81
March	2.72	1.73	1.80	1.58	1.48	1.04	1.52	1.73	1.76	.32	2.06
April.....	3.90	1.13	1.77	1.79	1.32	1.37	1.99	2.12	1.10	.64	2.82
May	4.45	1.54	.86	1.60	3.09	3.16	1.78	.80	1.41	1.01	1.63
June	1.61	.71	.93	1.47	1.19	.08	2.58	2.00	2.43	1.10	.90
July	2.49	.35	5.32	1.94	1.96	.73	1.78	2.53	1.05	1.84	3.53
August	1.19	3.58	2.95	2.03	2.86	2.11	2.07	2.62	2.03	1.24	2.84
September...	1.56	.59	2.77	2.55	1.99	2.53	1.84	4.47	.62	.53	3.15
October.....	1.51	2.04	1.03	1.61	3.27	2.66	1.89	1.63	3.31	2.45	1.28
November...	.53	1.38	1.07	2.28	1.56	2.99	2.39	2.94	1.84	3.90	3.01
December...	2.27	1.42	2.68	2.44	2.07	1.51	.71	2.49	1.81	3.91	1.64
TOTALS...	24.88	15.74	25.17	21.82	22.56	21.37	20.14	27.25	21.23	19.12	25.71

1922. House 20 ft. high 20 N.
1927. Trees 20 " 20 W. S.E. & W.Position of Station on reduced Ordnance Survey } No. of Map
Map, 2 miles to 1 inch Series }

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
			Woodhall	1/4 mi	W	St. Peters	1607ds S.

RAINFALL at Woodhall Spa

County of Lincolnshire

Observer Engineer & Surveyor per J. Collins Esq.

River Basin Witham &c 3

Rain Gauge, by _____

Diameter ...							5		5	
Height							1.0		1.0	
Altitude ...							75	84	40	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
										¹⁹³⁰ MEANS.
January ...									3.59	1.73
February ...									1.41	.54
March									1.80	.30
April									1.14	.66
May									1.43	.94
June									2.14	1.08
July									1.06	2.07
August									1.93	1.18
September...									.39	.61
October.....									3.44	2.46
November...									2.94	2.05
December...									2.49	2.14
TOTALS...									22.91	19.63
									D	D
										D

1929. Gauge moved on March 26th. 1½ miles W.

Hotel roof high 45ft E. House 20ft high 36ft N.N.W. Fence 6ft high 34ft W.

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
			Woodhall Spa	120yds	W.	St. Peters	50yds	S.S.W.

RAINFALL at Woodhall Spa (Galen House)

County of Lincolnshire.

Observer J. Collins Esq.

River Basin Witham &c 3

Type of Gauge

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

898168/29.

Diameter	5									
Height	1 6		1 0	1 0						
Altitude	33			40						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 Means
January	2.43	.65	1.76	1.53	2.21		3.17			
February	2.37	.69	2.21	1.03	1.72		2.44			
March	.61	1.45	2.16	1.39	.35		2.14			
April	2.77	2.27	1.40	1.62	2.73		2.32			
May	2.21	4.36	1.58	.90	.21		3.64			
June	2.26	.34	1.52	.96	1.57		1.31			
July	4.64	2.58	1.77	1.73	.34		2.54			
August	3.86	1.52	.41	2.30	2.19		.93			
September	2.53	1.93	1.59	1.26	3.75		1.35			
October	.80	3.46	3.19	.81	2.75		1.77			
November	1.96	1.57	2.27	1.65	3.73		1.30			
December	1.48	.75	.45	8.72	2.25		2.10			
TOTALS	27.92	21.57	20.31	18.89	23.80	NR.	25.01	X		NR.
	\$	\$	\$	\$	\$		\$			

1931. House 25' high 20' N. Hedge 5' high 10' E.

1933. Idem 40° " 75° E.

1937. No record kept during 1936, but will do so in future as a check on Stmt. 2554.

1934 no late

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

References No.

1 mile to 1 inch Series							
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1931			Woodhall Spa	250 ^{1/2}	W.	St. Peter.	(193+75 ft) 120 ^{1/2} S.S.W.

RAINFALL at Woodhall Spa

County of Lincolnshire

Observer J. Collins, Esq.

River Basin Witham &c. 3

Type of Gauge M.O.

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

898168/29 + 485427/26

Diameter	5						5'				
Height	10						1.6"				
Altitude	40				40	40					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.50	.69	1.45	1.53	2.22	2.66					
February	2.40	.58	2.15	1.14	1.40	2.17					
March	1.54	1.40	2.14	1.40	3.4	1.11					
April	2.51	2.26	1.47	1.62	2.71	1.73					
May	2.05	4.40	1.58	.88	.21	.80					
June	2.16	.87	1.47	.92	1.48	3.90					
July	4.30	2.60	1.77	1.66	.33	5.61					
August	4.06	1.54	.41	2.26	2.13	1.04					
September	2.54	2.09	1.56	1.21	3.79	1.92					
October	.74	3.52	3.19	.79	2.74	2.51					
November	2.04	1.71	2.41	1.67	3.65	2.06					
December	1.42	.67	1.45	3.67	2.26	1.95					
TOTALS	27.56	21.83	20.05	18.75	23.56	27.46					
	d.	2	2	2	2	2					

1931. House 20' high 35' W.N.W. Hotel 40' high 75'E. Hedge 6' high 32'W. Hedge 4' high 45'W. Impacted. 21/10/35. Ht. given as unexpected as 40ft. Gauge & site satisfactory. Mean broken. New measure recommended.

Impacted 28/9/36. No change.

1936 Hotel 40' high, 75'E.

Impacted 14.VI.37. D.K. M.W.R. Station

Impacted May 1938. No gauge held damaged and no 2d gauge in use. New one gauge held yet in use owing to change of observer.

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
1931.			Woodhall Spa	200+	W.	St. Peters	100+yds	S. W.