

# RAINFALL AT *Masham Moor Roundhills Res. No 1.*

Lat. ....

Lon. ....

County of *York N.R. N. 1.*

*Symden*  
*Flaisher* Rain Gauge, by *Mr. 1.*

Observer *E. J. D. E. C. L.*  
*7 g. H. W. E. C. L. 7. H. W. E. C. L.*

Diameter ..			8								
Height ....			6.6					1.0			
Altitude ..			743 ft.								
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..			1.45	4.79	3.60	1.14	4.89	1.17	2.37	1.49	
March ....			1.63	4.60	4.33	1.88	2.59	1.98	2.08	.92	
April .....			1.14	6.62	2.81	2.65	2.65	2.77	4.85	4.81	
May .....			1.57	1.48	2.50	2.90	.74	1.87	2.30	2.86	
June .....			2.15	4.63	3.44	.59	4.07	4.46	2.53	1.74	
July .....			1.72	2.37	1.74	1.57	1.31	4.19	2.20	3.09	
August ....			2.44	3.13	1.96	.55	.97	2.00	2.99	2.68	
September ..			2.67	3.85	3.12	3.93	2.82	1.59	2.81	3.25	
October ....			1.83	4.67	1.15	2.31	.54	.35	4.05	1.96	
November ..			4.23	9.04	.94	1.82	6.72	7.10	2.16	3.50	
December ..			2.79	1.39	2.29	6.50	3.93	2.54	2.12	1.16	
			4.03	2.80	1.58	1.06	2.37	4.11	1.54	4.89	
TOTALS ..			27.65	49.37	29.46	26.90	33.60	34.13	32.00	32.45	

1908 Healey Church 3 1/2 mile E  
Masham Station 7 E  
Nothing within appreciable distance

# RAINFALL AT *Masham Mon. Roundhill Farm No 2*

Lat. ....

Lon. ....

County of *York*

*N.R. Halifax*

*Sunder* Rain Gauge, by .....

Observer .....

*E. J. Dymally C.E.*

*Wren*

*E. J. Dymally C.E. - J. H. Shaw C.E.*

Diameter ..				8							
Height ....				0 6					1. 0		
Altitude ..				975							
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..				5.23	4.45	1.27	5.19	1.30	2.33	1.62	
February ..				4.92	4.16	2.06	2.71	2.07	2.63	1.17	
March ....				7.57	2.76	2.92	2.57	2.57	5.19	5.19	
April .....				1.79	2.71	3.20	.69	1.91	2.31	3.04	
May .....				4.59	3.32	.51	3.78	3.99	2.61	1.88	
June .....				2.22	1.79	1.56	1.38	4.62	2.86	3.42	
July .....				3.32	1.85	.59	.92	2.28	3.34	2.86	
August ....				4.16	3.65	3.95	3.09	1.64	3.00	3.34	
September ..				5.01	1.45	2.39	.59	.41	4.79	2.10	
October ....				9.58	1.12	1.82	5.77	7.10	2.23	3.78	
November ..				1.52	2.56	6.44	4.02	2.64	2.40	1.42	
December ..				3.42	2.05	1.07	2.60	5.04	1.96	6.43	
TOTALS ..				53.33	31.87	27.78	33.31	35.57	35.65	36.25	

1908 Healy Church 5 miles E  
Masham Station 8 1/2 " E  
Nothing near

049 268

10 3409

RAINFALL at Masham Moor Roundhill Reservoir No 1County of N R YorkshireObserver F Bapshaw Esq C.E.River Basin Ouse - Ure

1

ad West Esq C.E.Flaisher Rain Gauge, by

Diameter ...	8										
Height .....	1.0										
Altitude ...	743 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.90	1.85	3.46	(5.84)	2.14	5.71	3.69	2.82	3.17	5.29	
February ...	4.36	3.45	2.40	2.11	3.81	6.03	4.84	.63	5.27	2.68	
March .....	.62	1.84	4.28	6.30	2.60	.63	5.80	2.58	1.73	4.64	
April .....	3.37	1.18	.20	3.79	.95	1.34	1.80	2.19	1.08	2.36	
May .....	2.16	1.47	2.75	2.60	1.83	1.92	2.95	2.20	3.06	1.81	
June .....	1.88	3.10	7.23	1.79	3.84	1.10	2.27	2.03	.85	1.25	
July .....	2.27	.42	4.84	1.37	2.34	4.45	2.31	1.24	5.73	2.80	
August .....	4.56	2.45	5.67	1.20	1.61	4.14	2.34	7.93	3.30	3.02	
September ..	.21	2.44	1.92	2.02	1.47	.49	2.85	1.46	9.08	1.51	
October ...	4.28	4.14	2.70	3.15	2.06	1.71	8.24	5.71	3.88	5.14	
November ..	3.61	5.78	2.68	3.08	5.74	2.59	4.71	3.01	2.52	4.48	
December ...	3.82	5.64	4.27	1.91	9.03	6.23	2.78	1.86	6.24	5.55	
TOTALS ...	36.04	33.76	42.40	(35.16)	37.42	38.34	44.08	33.66	46.41	40.53	
	2	2	2	2	2	2	2	2	2	2	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Masham	7mi	E	Healey	3mi	E



RAINFALL at Macham Moor Roundhills Farm N°2County of N. L. YorkshireObserver F Bagshaw Esq. C.E.River Basin Que. Use 1Raisher Rain Gauge, by \_\_\_\_\_

Diameter ...	8										
Height .....	1.0										
Altitude ...	975										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.25										
February ...	3.81										
March .....	.71										
April .....	3.68										
May .....	2.21										
June .....	1.98										
July .....	2.37										
August .....	5.56										
September ..	.24										
October ...	4.03										
November ..	4.83										
December ...	5.22										
TOTALS ...	39.99										

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at *Masham Moor Roundhill Reservoir No. 1.*County of *N. B. Yorkshire*Observer *A. S. West Esq C.E.*River Basin *Cuse. Ure 1*Water Eng. *Harragass*

*Glaisher* Rain Gauge, by  
*Funnel broken & new one supplied VII-23*  
*Glass correct*

Diameter ...	8											
Height .....	1	0										
Altitude ...	743											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	<i>Mean</i>
January ...	3.85	7.47	5.09	2.94	3.65	5.78	5.48	4.54	9.23	1.87	6.31	
February ...	3.05	2.2	4.28	7.56	1.27	6.13	3.83	2.48	4.57	1.31	1.91	
March .....	4.32	2.89	3.42	2.19	2.25	1.66	1.84	3.36	4.54	.25	3.81	
April .....	7.10	1.30	4.04	3.40	2.70	4.99	2.25	3.22	1.08	1.66	4.10	
May .....	3.78	1.98	1.71	3.59	7.20	4.96	2.96	2.32	3.03	2.58	1.35	
June .....	1.38	.96	2.08	1.23	2.38	.20	4.46	3.50	5.34	1.37	2.51	
July .....	6.96	3.28	6.18	3.35	6.74	1.82	3.74	7.52	1.76	2.88	7.15	
August .....	1.69	6.04	4.81	5.48	3.61	3.50	3.77	9.67	5.41	3.12	4.12	
September...	1.20	1.81	5.23	4.38	5.40	2.95	3.39	6.20	.56	1.18	6.09	
October .....	5.81	1.95	1.39	4.76	5.09	4.64	4.54	5.81	6.82	4.27	4.13	
November...	2.90	2.59	1.73	6.46	3.52	2.58	9.78	5.14	6.01	5.44	5.05	
December...	4.85	6.12	5.22	3.87	6.43	6.13	1.58	4.55	2.71	9.06	4.31	
TOTALS...	46.89	36.61	45.18	49.21	50.24	45.33	47.62	58.21	50.46	34.99	50.84	
	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	<i>D</i>	

*Two miles S. of VII-23.  
 London recording rain gauge alongside. Trouble had been experienced in getting  
 suitable charts and <sup>funnel</sup> for  
 gauges situated in field behind house above dam on side of hill  
 surrounded at convenient distance by trees on all sides except E.  
 Good exposure.*

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	Parish Church.	Distance from gauge	Direction
1911			Masham	7 mi	E	Healey	3 1/2 mi	E

RAINFALL at Masham Moor (Roundhill Res.)County of North RidingObserver A. S. West, Esq., C.E.River Basin Ouse-Ure-1

Type of Gauge

Annual Average 37.6 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref 5

660560/26.

Diameter	8.										
Height	1.0.										
Altitude	743.					742 790	743.				
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	2.81	3.93	3.40	3.16	1.80	5.95	4.88	4.71	6.75	3.55	40.94
February	3.40	.77	6.49	3.1	4.84	4.39	5.80	1.70	2.63	3.01	33.34
March	1.06	2.73	2.40	4.14	1.06	2.50	5.46	.26	3.25	2.07	24.93
April	4.73	3.78	1.54	4.40	3.08	1.94	4.25	.19	1.72	2.61	28.24
May	3.93	6.82	3.38	2.57	1.00	2.64	3.33	3.35	1.65	1.79	30.46
June	5.77	2.59	1.12	2.06	3.22	6.54	1.96	3.54	2.53	.54	29.87
July	3.33	3.73	3.46	1.00	.57	2.98	2.85	4.36	3.69	4.56	30.53
August	4.77	2.06	0.52	2.82	2.56	2.08	1.64	4.85	2.66	.62	24.58
September	6.22	2.61	2.69	2.84	6.49	2.60	1.67	2.23	1.47	1.84	30.66
October	1.64	4.96	4.11	4.71	5.07	2.34	3.21	6.65	4.32	4.38	41.39
November	6.23	3.04	4.23	3.40	7.43	3.85	2.25	5.52	4.32	5.39	45.66
December	2.47	2.13	0.85	7.27	2.75	3.38	4.31	4.66	2.19	2.68	32.69
TOTALS	46.36	39.15	34.19	38.68	59.87	41.19	41.61	42.02	37.18	33.04	393.29
	D	D	D	D	D	D	D	D	D	D	

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
1931			Masham	5½ m.	ENE	Healey	2½ m.	NE



RAINFALL at Masham Moor (Station No. 3409) 41  
 County of North Riding Observer Revised 1945  
A. S. West  
 River Basin Ouse 100 100 100 100 100 100 100 100 100 100  
The Water Engineer, Harrogate  
 Type of Gauge .....

Annual Average 37.4 in. based on 25 years obs. un-weighted. Period of average 1881-1945 Ref. 5

File No. 660562/24

Diameter	8"	249	268								
Height	1' 0"		1								
Altitude	743'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.64	4.92	5.52	2.80	4.00	3.03	3.22	8.60	1.64	2.12	40.72
February	6.77	2.23	1.58	1.79	3.75	2.07	4.83	2.34	2.76	6.39	34.51
March	4.36	3.35	1.25	36	73	1.68	6.62	2.15	1.15	1.49	29.14
April	3.24	1.60	1.31	2.65	2.17	3.13	4.00	2.92	3.71	3.38	27.14
May	2.36	3.08	3.56	1.57	3.53	3.87	2.82	1.57	1.44	1.98	25.77
June	64	1.24	2.36	1.78	3.38	2.33	3.46	4.01	64	1.28	21.12
July	1.90	2.96	1.56	2.57	2.49	2.95	1.69	88	2.39	2.80	22.19
August	2.54	3.15	3.91	1.96	3.92	5.99	60	4.33	2.61	5.57	34.67
September	30	1.93	5.40	6.27	1.95	6.22	2.11	2.13	2.01	4.77	33.15
October	4.98	2.71	2.30	4.40	5.71	2.45	1.61	1.13	4.45	2.14	31.88
November	3.94	1.62	2.09	6.91	1.14	7.56	3.19	1.36	5.23	5.37	38.41
December	1.48	3.32	2.19	3.13	2.60	3.33	2.61	4.21	5.98	2.03	30.88
TOTALS	34.43	32.17	33.09	36.13	35.37	48.61	36.76	35.63	34.01	39.32	363.58

947 Progs. to trans. g. on 1.1.45. to new site 100 yds W. of present site. Growth of trees has made present site unsatisfactory.  
 1948. Gauge moved 1 ft. 80 yds W.

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
1941			Masham	5 1/2 mls	E.N.E.	Healey	2 3/8 mls	N.E.

Station No. 3409RAINFALL at Washam Moor (Roundhill Res.)

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County of North Riding - Yorks.Observer The Water Engineer,River Basin Ouse - No. 1Glaciated Watershed Harrogate.Type of Gauge GlacierAnnual Average 37.6 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. 5No av. worked o/c. unstableFile No. 660560/26 = 16133153

Diameter ...	8"											
Height ...	1'0"								1'1"			
Altitude ...	743'								*790'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
											Total	
January ...	3.37	3.17	.71	3.30	3.14	4.82	4.26	3.26	3.85	6.13	36.01	
February ...	4.54	.55	2.23	3.35	2.72	2.29	3.62	6.59	.19	3.54	29.62	
March ...	4.85	2.19	.59	2.58	2.61	1.77	2.16	2.83	2.60	3.37	25.55	
April ...	2.51	1.74	3.21	.75	1.05	2.31	.34	1.00	4.25	1.96	19.12	
May ...	7.73	1.83	2.67	5.13	3.36	.93	1.67	6.17	1.16	1.51	32.16	
June ...	1.15	1.27	3.67	2.59	2.79	3.47	1.66	4.06	1.56	1.04	23.26	
July ...	1.33	1.22	3.59	2.54	1.06	6.04	4.03	4.18	1.79	4.40	30.18	
August ...	5.83	3.71	3.96	6.71	1.43	8.16	6.33	4.86	.81	3.16	44.96	
September ...	1.76	5.41	2.90	3.61	1.97	4.49	4.33	3.22	.21	3.91	31.81	
October ...	1.84	4.50	2.03	7.34	2.05	2.39	3.72	3.10	3.80	7.69	38.46	
November ...	9.87	2.45	3.06	7.04	2.85	.87	2.59	1.01	5.85	5.67	41.26	
December ...	5.57	2.92	2.05	4.48	5.11	4.48	4.15	5.54	7.64	4.75	46.69	
TOTALS ...	50.35	30.96	30.67	49.42	30.14	42.02	38.86	45.82	33.71	47.13	399.08	
	D	D	D	D	D	D	D	D	NP	D		

hub B1957/60K. A.V. poor with leaks in flange. One on face SE-SSW. Rec. tank wall  
 Original site appears to have been better but may be now overhauled by trees  
 \* From map and see enc. 91A 23/4/34 file 660560/26

1959:- no low

Position of Station on Ordnance One-Inch map :

No. of Map 91National Grid Reference SE (44) 151777

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Washam	5 1/2 m	ENE	Wesley	2 5/8 m	NE

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19 <u>1916</u>	1920-30 <u>23</u>	1931-40 <u>33</u>	1941-50 <u>73</u>	1951-60
	✓	✓	✓	✓	
	✓ <u>1916-17</u>	✓	✓	✓	