

RAINFALL at Masham Moor Towler Hill

County of N.R. Yorkshire

Observer C. G. Hengell Esq. C.E.

River Basin Ouse - One

Rain Gauge, by

Diameter ...	8											1910-19 MEANS. Totals	
Height	0.9												
Altitude ...	820 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19	MEANS. Totals	
January ...	5.11	2.03	4.82	6.94	2.63	5.70	2.70	3.07	3.27	5.00	14.04		
February ...	4.59	3.35	2.71	1.94	4.05	6.15	4.61	.77	4.33	2.79	12.50		
March87	2.06	4.30	6.88	2.45	1.18	6.06	2.64	1.58	5.16	14.44		
April	3.63	1.24	.27	4.09	1.23	1.29	1.65	2.12	1.15	2.06	6.98		
May	2.19	1.55	2.86	2.88	2.03	2.09	3.15	2.40	3.02	1.60	10.17		
June.....	2.13	3.06	6.83	1.88	2.15	.76	1.91	2.61	.60	1.23	6.35		
July	2.62	.26	4.95	1.58	2.49	4.92	2.19	1.39	5.18	2.85	11.11		
August.....	4.50	2.54	5.71	1.35	1.64	3.98	2.31	8.00	2.56	2.60	15.47		
September ..	.24	2.59	2.28	1.94	1.49	.48	2.79	1.16	8.03	1.17	13.15		
October ...	4.33	4.63	3.17	2.99	2.49	1.64	7.35	4.96	3.32	4.66	20.29		
November ...	3.70	5.51	2.61	3.13	6.07	2.74	4.96	2.87	2.38	4.19	13.90		
December ...	4.56	6.39	4.06	1.92	9.26	8.37	2.64	1.97	5.71	5.65	15.97		
TOTALS ...	38.47	35.21	44.57	37.52	38.98	39.30	41.32	33.46	41.13	38.46	154.37		

N.B. 10yr. sheet for previous decade is not to be found in book corresponding with this. (MS. 31744).

28.IX.06. Inspection note by Dr. Hill :- Bin. new copper M. D. gauge set 1' 1".
 Nearly on top of flat hill in the enclosure of a small reservoir. No shelter - ground flat - possibly too great a sweep of wind.
 Same sit as Bream Bank. (Notes from note book in P.C. 259, also see Direction)

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

RAINFALL at Masham Moor Towler Hill

County of N.R. Yorkshire

Observer G. G. Henry Esq C.E.

River Basin Ure - 1

(1925) H. Shortreed Esq. C.E.

u.n.23. { Cu Standard Rain Gauge, by Casella
current condition 1950

Leeds 12

Glass coverd.

Diameter ...	8										1930 mm/m	1920-30 Total mm
Height	9											
Altitude ...	820											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January ...	5.18	6.61	5.19	2.57	3.48	4.99	5.47	3.95	7.71	1.70	6.24	53.09
February ...	2.66	1.14	3.76	7.23	1.84	5.40	2.83	1.95	3.72	1.27	1.71	31.51
March	4.15	2.48	2.99	1.70	1.67	1.11	1.30	2.72	3.21	1.27	3.01	24.61
April.....	6.28	1.48	3.57	2.98	1.90	4.09	1.53	2.85	.67	1.27	3.88	30.50
May	3.90	1.82	1.06	2.87	6.01	4.48	2.48	1.97	2.57	2.20	1.10	30.46
June	1.10	5.60	1.87	7.88	1.53	1.13	4.21	3.27	4.45	1.34	2.11	21.45
July	6.29	3.37	6.34	3.08	5.90	6.59	3.13	5.57	.80	2.70	6.14	44.91
August	1.44	4.37	4.14	4.52	3.08	2.72	3.43	8.92	6.05	2.87	3.66	44.70
September...	1.07	1.77	4.91	3.47	4.25	2.44	2.87	4.66	.47	1.17	4.70	31.78
October.....	3.84	1.66	1.39	3.71	4.24	3.84	3.50	4.69	5.95	3.88	3.57	40.27
November...	2.62	2.54	1.30	5.87	2.74	1.83	8.17	3.86	5.05	4.97	4.81	43.76
December...	4.37	5.48	5.21	3.30	5.45	5.94	1.18	3.21	2.03	8.79	3.88	48.54
TOTALS...	42.90	32.78	41.73	42.18	41.09	38.56	40.10	47.62	41.68	32.42	44.81	445.88

Inspited of 5. 4. u.n.23. S. situated in enclosure near small reservoir near summit of hill. The reservoir was within 2 yds to SW when followed by about 6 ft. Slightly better position obtained by shifting 6 yds S to left further from the a little unexposed.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series	No. of Map	Reference No.
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Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction

RAINFALL at Masham Moor (Towler Hill)

County of North Riding

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

River Basin Ouse-Ure-T.

K.L. Fawcett, Esq., C.I.E. (1929)

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average 1881-1915 Ref. 780902/27

Diameter	8.												
Height	0.9.												
Altitude	820.												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		1931-40	Menses Totals
January	2.88	2.88	3.17	3.57	1.92	5.49	5.07	6.04	7.22	2.61		40.85	
February	3.11	.59	5.30	3.2	6.23	3.86	5.36	1.94	2.75	2.83		32.28	
March	.71	2.16	2.24	3.80	1.14	2.65	4.55	.41	3.18	2.02		22.86	
April	4.08	3.36	1.30	4.08	3.28	1.70	3.97	.20	1.39	2.40		25.76	
May	3.75	5.76	3.69	2.50	1.13	2.28	3.09	3.23	1.31	1.93		28.67	
June	5.64	2.39	1.27	1.88	3.56	6.32	1.76	3.16	2.46	.34		28.78	
July	2.85	3.52	3.52	.98	.38	3.29	2.67	4.20	3.27	4.20		28.88	
August	4.03	1.78	.42	2.86	1.72	2.11	1.55	4.53	2.67	.49		22.16	
September	3.92	2.35	2.19	2.61	6.57	2.36	1.52	2.06	1.33	2.14		27.05	
October	1.25	4.82	3.49	5.07	6.25	2.91	3.04	7.99	3.92	4.57		43.31	
November	4.92	2.75	3.91	2.89	7.13	3.87	2.15	5.72	4.47	5.64		43.45	
December	1.83	2.09	.76	6.63	2.85	4.46	3.93	5.40	2.26	3.22		33.43	
TOTALS	38.97	34.45	31.26	37.19	42.16	41.30	38.65	44.88	36.23	32.39		377.48	

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

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

Station No. T.F. 3413

RAINFALL at Marsham Moon (Towle Hill) x

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County of North Bedf^rding Observer K. L. Foster Esq. C.E.

River Basin River - Wye - I.

Type of Gauge

Annual Average 36.7 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 780.922/27

Diameter	8"	0.49	214								
Height	5' 9"		1								
Altitude	820'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Total/5
January	4.36	4.22	6.10	3.59	4.20	3.73	3.52	8.71	1.40	1.89	41.72
February	4.26	2.09	2.46	1.95	4.05	3.00	4.35	2.38	2.71	5.96	36.21
March	4.01	3.25	1.53	4.42	1.02	1.56	6.21	2.62	1.19	1.62	23.43
April	2.82	1.91	1.85	2.63	2.03	2.17	5.99	2.90	3.67	3.09	29.09
May	2.13	3.20	3.63	1.18	3.69	3.70	2.67	1.57	1.28	1.86	24.91
June	.83	1.25	2.59	2.17	3.08	2.57	3.74	4.20	.67	1.17	22.27
July	1.30	2.78	1.42	2.70	2.49	2.94	2.33	.92	2.08	2.95	21.91
August	2.53	3.40	3.92	1.75	4.44	6.31	.99	4.78	2.65	5.40	36.67
September	.35	1.90	5.57	6.18	2.17	6.28	2.26	2.75	2.14	4.32	33.92
October	4.82	2.87	2.34	4.64	6.43	2.11	1.46	1.05	4.43	2.02	32.17
November	4.27	1.59	2.48	7.50	1.06	7.33	3.28	1.20	5.50	5.60	40.81
December	1.95	3.61	2.44	3.81	2.61	3.63	3.22	4.68	5.74	1.81	33.50
TOTALS	36.63	32.07	36.36	38.52	37.27	46.43	40.42	37.76	33.46	37.69	376.61

1948. High? see map.

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

Station No. 3413 T.F. 41

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RAINFALL at Marsham Moor (Tawler Hill)

County of North Riding - Yorks. Observer H. L. Harster Esq. C.E.

River Basin River - Ure - 1

Type of Gauge M.O.

Annual Average 36.7 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. S.
38.70 " 35 " 1916-1950 1916-1950 P File No. 78 ✓ 62/27 E23380/58

Diameter	8"	5"	049	214							
Height	0'9"				1			1'0"			
Altitude	820'				51						
Year	1951	1952	m	1953	1954	1955	1956	1957	1958	1959	1960
January	3.22	3.12	.71	2.96	2.87	4.77	4.23	4.26	3.78	5.86	35.78
February	4.55	.56	3.14	3.40	2.28	2.57	3.68	6.60	1.12	4.58	31.48
March	4.69	2.23	.46	2.73	2.55	1.53	2.08	2.79	2.37	3.27	24.70
April	2.23	1.75	3.04	.67	.82	2.10	.93	.99	4.17	1.94	18.04
May	8.26	1.96	2.88	4.75	3.47	.68	1.88	5.31	1.14	1.44	31.76
June	1.19	1.01	3.86	2.10	2.59	3.26	1.52	3.78	1.71	9.95	21.97
July	1.35	1.17	3.49	2.33	1.04	5.64	4.00	2.91	1.81	4.50	28.24
August	5.55	3.56	3.40	6.83	1.62	7.91	6.76	3.42	.84	3.26	43.15
September	1.81	4.72	2.91	3.43	1.54	4.44	4.12	3.37	.16	3.71	30.21
October	1.65	4.57	2.31	6.92	2.31	2.18	3.72	2.97	4.17	7.97	38.77
November	9.96	2.66	2.78	8.16	2.54	.89	2.51	.94	5.99	6.48	42.91
December	5.77	2.68	2.21	3.75	4.90	4.40	3.79	5.10	8.83	5.09	46.52
TOTALS	50.23	29.98	31.19	48.02	28.53	40.37	38.62	42.44	35.09	49.05	393.53

*July II 1958 J.B.O.K. Open surface all directions. Turf well grown.*9 Turf-wellPosition of Station on Ordnance One-Inch map : No. of Map National Grid Reference SE 154 798

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

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