

RAINFALL AT *Masham Moor W. Somerside*

Lat. _____

Lon. _____

 County of *York* ~~NR~~ *NR*

Rain Gauge, by _____

 Observer *J. Lawson Esq. C2*
Case - No 1

Diameter	8										
Height	0 9										
Altitude	960										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	7.00	2.68	2.06	1.50	5.90	2.08	2.14	2.03	2.80	7.60	3.579
February	1.17	.17	2.46	5.42	8.71	1.10	.75	3.62	3.52	3.05	2.797
March	2.97	2.02	1.39	1.49	3.69	3.65	4.85	8.50	1.26	1.84	2.166
April	1.29	3.76	2.05	.59	3.18	3.05	1.50	2.55	3.50	2.97	2.444
May	2.15	2.87	3.31	2.54	2.51	.43	.81	.96	2.79	4.33	2.270
June	3.09	1.45	4.41	2.59	3.50	2.13	4.47	2.64	2.94	1.68	2.890
July	2.38	3.84	2.85	2.74	3.82	6.43	2.50	1.17	.72	3.28	2.978
August	4.75	5.91	4.23	3.27	2.67	2.51	2.25	4.67	4.44	1.69	3.639
September....	1.85	3.52	2.48	1.71	.66	1.21	8.12	2.87	1.07	5.69	2.918
October	1.27	4.19	9.65	2.73	6.31	3.97	4.67	1.98	7.46	4.20	4.613
November....	4.15	4.57	2.01	2.46	2.58	5.94	1.63	3.11	3.03	4.01	3.349
December ....	.96	6.54	1.14	4.35	3.75	3.37	5.09	6.95	6.19	2.77	4.111
TOTALS	33.03	41.52	38.04	31.39	47.28	35.87	38.78	41.05	39.72	43.11	28.979

RAINFALL AT Masham Moor West Somerset

Lat.

Lon.

County of York NR Leeds

Rain Gauge, by

Observer J. Newson Esq. Ch.
C. G. Hengell Esq. Ch.

nr - 1.

Diameter ..	* 8										
Height	0 9										
Altitude ..	960 728										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.81	2.04	1.73	5.87	5.50	1.44	5.94	2.07			
February ..	5.69	1.71	1.67	6.16	4.14	2.78	2.64	4.96			
March ....	.89	3.63	1.24	8.01	2.96	3.31	2.78	3.10			
April	2.43	3.14	1.56	2.61	2.67	3.33	.72	1.88			
May	2.43	1.72	3.25	6.67	4.07	.72	4.76	4.74			
June	3.23	1.90	1.96	2.87	2.08	2.01	1.58	4.68			
July	1.96	4.50	2.73	3.43	2.18	.71	1.02	2.20			
August	6.32	2.24	3.04	4.26	4.12	4.55	2.87	1.94			
September..	.81	1.77	2.24	5.66	1.21	2.96	.67	.69			
October....	6.75	1.65	4.98	11.20	1.25	2.25	8.27	7.83			
November ..	4.59	5.20	3.05	2.26	2.31	7.70	4.77	2.69			
December ..	4.78	4.22	5.10	3.64	2.02	1.46	2.61	4.41			
TOTALS ..	44.69	33.72	32.55	62.64	34.46	33.22	38.63	38.84			

28. 12. 06. Inspection note by Dr. Mill:- (Name not West Somerset)

* 8 in. flange crumpled & smashed, 7 in. above ground but only
2 in. above grass. Indications quite useless.

5 in. modified Bradford copper Casella 8322. 11 in. above grd.
in 12 ft. rail, as other gauges. Situation quite good, on slight slope

(note copied from inspection notes in P.B.
259, now destroyed)

RAINFALL AT Masham Moor & Lonsdale

Lat.

Lon.

County of N York

Rain Gauge, by

Observer J. Newton Esq. C.E.

C. G. Hargreaves Esq. C.E.

no. 1.

Diameter ..		5									
Height		0 9									
Altitude ..		928 ft									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..		1.80	1.59	5.46	5.15	1.30	5.36	2.07	2.77	1.82	
February ..		1.47	1.53	5.82	3.91	2.50	2.30	1.96	2.61	1.33	
March		3.39	1.15	7.41	2.65	2.97	2.42	3.10	5.19	4.43	
April		2.95	1.46	2.41	2.70	2.94	.53	1.88	2.21	3.03	
May		1.61	2.98	6.22	3.76	.65	4.35	4.74	2.68	1.97	
June		1.74	1.82	2.71	1.81	1.83	1.42	4.63	2.49	3.61	
July		4.39	2.56	3.19	2.00	.58	.89	2.20	3.20	3.26	
August		2.14	2.81	3.97	3.77	4.17	2.51	1.94	2.87	3.66	
September ..		1.63	2.05	5.17	1.06	2.64	.56	.69	3.48	2.47	
October		1.51	4.56	10.25	1.07	1.98	8.49	7.83	2.06	3.98	
November ..		5.12	2.78	1.99	2.10	7.10	5.39	2.69	2.41	1.29	
December ..		3.96	4.72	3.25	1.74	1.21	2.13	4.41	1.76	4.76	
TOTALS ..		31.71	30.01	57.85	31.72	29.87	36.35	38.04	33.73	35.66	

+ Inspected see next sheet.

RAINFALL at Macham Moor, W. SomersetCounty of N. R. GloucestershireObserver C. L. Henszell Esq. C.E.River Basin Ouse - Ure 1

Rain Gauge, by _____

Diameter ...	5											
Height	0 9											
Altitude ...	928 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Means. Totals	
January ...	5.38	1.95	4.91	5.68	2.71	5.99	3.82	3.99	3.24	4.53	15.58	
February ...	4.70	3.99	2.53	2.03	3.97	5.50	4.71	1.19	5.41	2.72	14.03	
March .....	.92	2.23	3.31	6.57	2.80	1.02	5.28	2.73	1.75	3.92	13.68
April	3.97	1.69	.41	3.72	1.06	1.50	1.86	2.14	1.37	2.57	7.94	
May	2.50	1.53	2.73	2.36	2.30	2.11	3.08	2.54	3.46	1.95	11.03	
June	2.21	3.50	7.25	1.98	3.95	.95	2.66	2.09	.83	1.39	6.97	
July	2.90	.64	5.12	1.41	2.57	5.80	2.34	1.27	5.42	2.72	11.75	
August	4.43	2.53	6.08	1.24	1.67	4.49	2.32	8.27	2.96	3.96	16.51	
September ..	.23	2.44	1.52	2.09	1.74	.62	2.96	1.50	8.90	1.52	14.88	
October ...	4.61	4.49	3.26	3.44	2.38	1.56	7.41	5.65	3.62	5.15	21.83	
November ...	3.91	5.67	3.49	3.32	5.91	2.64	4.88	2.96	2.26	4.53	14.63	
December ...	4.01	5.44	4.67	2.10	9.16	8.27	2.77	1.98	5.82	5.93	16.50	
TOTALS ...	39.87	36.10	45.28	35.94	40.22	40.35	44.09	36.31	45.04	39.89	165.33	

+ inspected

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

RAINFALL at Marham Moor ~~X~~ Somerside

County of N. R. Yorkshire

Observer C. G. Hennell Esq C.E.

River Basin Cuse. Ure 1

(1925) H. Shorthall Ex. CE.

Cu Snowdon Rain Gauge, by Casella
5.00 } good condition but 8324
4.98 }
4.99 } no bottom in outer can.

Feeds Wd.

Glass 1.00 in. glass gives .99 in standard.
smaller measurements roughly in
proportional error.

Diameter ...	5"												
Height	0 9												
Altitude ...	928												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 JANUARY	1920-30 TOTAL	
January ...	5.74	8.20	4.45	2.99	3.62	5.80	5.56	4.38	9.20	1.43	5.79	57.16	
February ...	3.69	.22	4.26	6.66	1.21	6.18	3.51	2.22	4.92	1.22	1.73	85.82	
March	4.56	3.14	3.51	2.06	1.65	1.28	1.76	3.06	5.55	.29	2.95	27.79	
April	6.72	1.26	3.88	2.93	2.34	4.67	2.04	3.16	.86	1.88	3.83	33.57	
May	3.99	2.10	1.73	3.34	6.61	4.90	2.86	2.28	2.94	2.31	1.35	34.41	
June	1.35	1.00	2.16	1.14	2.44	.20	4.18	3.21	5.21	1.41	2.18	24.48	
July	6.95	3.46	5.99	3.34	5.91	1.70	3.61	6.64	1.18	2.75	8.32	49.85	
August	1.66	5.97	5.08	5.10	3.46	3.19	3.61	10.05	5.09	3.15	3.60	49.90	
September...	1.11	1.88	5.16	3.83	5.45	2.63	3.69	5.85	.47	1.20	5.53	36.82	
October.....	3.20	1.84	1.43	4.69	4.87	4.27	3.91	5.83	6.50	4.08	4.16	44.78	
November...	3.39	2.51	1.65	6.13	3.27	2.06	8.34	4.36	5.98	4.97	4.95	47.61	
December...	4.65	7.16	4.92	3.25	5.83	6.01	1.33	2.64	2.44	8.05	3.66	47.94	
TOTALS...	47.01	38.74	44.22	45.48	46.66	42.89	44.40	53.63	48.32	32.74	48.05	492.19	

Inspected Y². 4. VII. 23. Garage in meadow in wire railing about 5 ft. away all round and 4 ft. high. Grass matted cutting round garage. Sufficient shelter to W. + E. and N but rather over-exposed to S + S.W. Suggested banking up fence to 1 ft 6 in. with turf.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

[illegible]

RAINFALL at Masham Moor (Somerside)County of North RidingObserver H. Shortreed, Esq. C.E.River Basin Ouse - Ure - 1K. W. Forester Esq. C.E. (1924)

Type of Gauge

Annual Average 28.5 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S

780902/27

Diameter	5.								8		
Height	0.9.								10		
Altitude	928.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	2.61	4.20	3.17	3.53	1.76	6.09	5.23	6.40	7.21	2.46	42.66
February	3.36	.67	5.51	.18	5.36	3.92	6.23	2.12	3.37	2.65	33.37
March	.68	2.60	2.28	3.64	.97	2.58	5.10	.58	3.44	2.30	24.17
April	4.08	3.90	1.59	4.75	3.18	1.95	4.32	.33	1.94	2.74	28.78
May	3.78	6.96	2.89	2.55	1.07	2.56	3.24	3.35	1.55	1.91	29.86
June	5.27	2.41	1.21	2.08	3.59	6.35	1.83	2.97	2.77	.49	29.97
July	3.29	3.94	3.75	1.12	.66	3.08	2.85	4.50	3.97	4.65	31.81
August	3.99	1.92	.46	2.70	2.48	2.29	1.65	5.53	2.68	.74	24.44
September	5.98	2.98	2.67	2.98	6.45	2.49	1.93	2.25	1.77	2.36	31.86
October	1.61	4.97	3.92	4.76	6.26	3.28	3.10	3.53	4.04	4.56	45.03
November	5.74	2.98	4.91	3.55	7.60	4.14	2.28	5.94	5.65	5.75	48.54
December	2.74	2.18	.76	6.74	2.82	4.25	4.75	4.23	2.37	3.17	34.01
TOTALS	43.13	39.71	33.12	38.58	42.20	42.98	42.51	47.73	40.76	33.78	404.50

1937 - Daily values supplied by A.S. West. C.E.

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
1937.			Masham	6 m	ENE	Hinkley Malgeard	6 m	ESE.

RAINFALL at Roundhill Reservoir No. 2 (1942) Station No. 3410
Masham Moor (S. side.)

41

County of North Riding Observer K. L. Foster Esq. CE.
 River Basin Ure - W. - 1 A. S. West Esq. (1942)
 Type of Gauge Harrogate W. W. (1945)

Annual Average 33.3 in. based on 26 years obs. un-weighted. Period of average 1881 - 1915 Ref. 5

File No. 660560/26
730902/27

Diameter	8"											
Height	1' 0"											
Altitude	928'	923'		41'			925'					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50	Means
January	4.54	3.07	5.49	3.77	3.24	3.75	3.33	8.28	1.91	2.03	39.74	
February	6.34	2.21	1.71	2.11	4.44	2.30	(6.00)	1.98	3.00	6.74	37.83	
March	4.29	2.56	1.95	4.6	1.15	1.61	4.91	2.37	1.33	1.73	22.36	
April	2.79	1.63	2.01	2.57	2.00	2.30	5.65	2.68	4.07	3.68	29.44	
May	2.30	2.85	3.68	2.28	3.92	3.94	2.82	1.89	1.59	2.07	27.34	
June	.71	1.20	2.30	2.43	3.87	2.66	3.83	4.19	.51	1.31	23.01	
July	1.64	3.08	2.03	2.61	2.55	3.06	1.72	1.10	2.41	2.87	23.07	
August	2.78	3.43	4.20	2.31	3.73	6.23	.61	4.08	2.51	5.85	35.73	
September	.21	2.14	5.30	6.68	2.39	6.77	2.38	2.35	1.94	5.02	35.18	
October	5.16	3.41	2.69	4.71	6.72	2.39	1.91	1.17	4.74	2.21	35.11	
November	3.74	1.63	2.50	7.34	1.16	7.01	4.21	1.42	5.54	5.93	41.11	
December	2.00	3.53	2.12	4.04	2.73	3.54	3.28	4.42	6.44	2.08	34.29	
TOTALS	36.56	30.86	36.28	41.31	37.90	46.61	40.65	35.93	35.99	41.52	384.21	
	D	D	D	D	D	D	D	D	D	D	D	

1941. Daily values supplied by A. S. West since 1937. 1943, ~~supplied~~ rec'd 1.6.45
 1947. Feb. used for snow 20004

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			Masham	6 mls	E.N.E.	Kirkby Malbaryd	6 mls	E.S.E.

Station No. TF 3410/1RAINFALL at Masham Moor (Somerside)

41

County of North RidingObserver K. L. Forster Esq CERiver Basin Don - Ure - 1

Type of Gauge.....

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

File No. 780902/27

Diameter	5		0.49	2.47							
Height				1							
Altitude	928			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.05	5.79	3.77	4.38	3.75	3.32	8.26	1.94	2.00		
February	2.21	1.71	2.04	4.43	3.34	(6.00)	1.98	2.99	6.83		
March	2.56	1.94	.46	1.12	1.57	4.91	2.35	1.31	1.73		
April	1.69	2.01	2.56	2.43	2.30	5.64	2.37	4.14	3.68		
May	2.84	3.68	1.83	3.91	3.92	2.82	2.01	1.58	2.07		
June	1.20	2.30	2.37	3.87	2.74	3.86	4.04	.46	1.44		
July	3.14	2.03	2.54	2.55	3.01	1.71	1.09	2.48	2.97		
August	3.41	4.20	2.11	3.71	6.23	.61	4.07	2.53	5.78		
September	2.12	5.28	6.63	2.39	6.76	2.38	2.34	1.88	5.03		
October	3.41	2.53	4.66	6.82	2.34	1.88	1.10	4.52	2.21		
November	1.63	2.51	7.89	.96	7.11	4.04	1.40	5.76	6.11		
December	3.88	2.20	4.04	2.71	3.53	3.48	4.25	6.45	2.05		
TOTALS		31.14 n.p.	36.18 n.p.	40.30 n.p.	39.28 n.p.	46.66 n.p.	40.65 n.p.	35.26 n.p.	36.04 n.p.	41.80 n.p.	

n.p. check.

20004

1944 Although in reasonably close agreement with 3410. This is a different gauge. Record given monthly totals & least falls.

1945 n.p. check.

1946 n.p. check.

1947 n.p. check. Feb. used for snow.

1948 n.p. check.

1950 printed not check gauge.

This should have been n.p. check. There is no evidence that it is independent of 3410/1. See file notes.

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.

Station No. 34/10RAINFALL at Roundhill Reservoir No. 2

51

County of North Riding - Yorks.

The Water Engineer,

Observer

Lane GateRiver Basin Don - Ure - 1Glais Water Bowd.

Type of Gauge.....

Annual Average 38.8 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 660560/26 E 16133/53

Diameter ...	8"										
Height ...	1'0"										
Altitude ...	925'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.01	3.64	.76	3.33	3.09	3.95	4.71				
February ...	4.53	.56	2.70	3.32	2.27	2.05	3.05				
March ...	4.87	2.52	.69	2.61	2.23	1.88	2.29				
April ...	2.76	1.42	3.12	.78	1.00	2.53	.41				
May ...	7.96	1.76	3.12	4.95	3.52	1.01	1.66				
June ...	1.20	1.21	3.53	2.80	2.77	3.48	1.69				
July ...	1.57	1.25	3.63	2.73	1.12	6.22	3.58				
August ...	6.57	3.93	3.84	6.66	1.32	8.28	6.53				
September ...	2.19	5.30	3.04	4.06	2.02	4.18	4.24				
October ...	1.96	4.61	2.18	7.48	2.16	2.61	4.33				
November ...	10.25	2.49	3.38	7.56	2.77	.89	2.33				
December ...	6.92	3.01	1.85	4.06	5.51	4.74	4.33				
TOTALS ...	54.79	31.70	31.84	50.34	29.78	41.82	39.15				
	D	D	D	D	D	D	D	ap.			

No such gauge inst. The obs. at Roundhill collects the readings from the lead shears at Somerville and passes them to his office as Roundhill No. 2. Daily record obtained from Leeds surfs. to compare with 3410 does not agree exactly but is too similar to be a different gauge. The Leeds records in the letter and will be retained. J.B.O.

1959 up no Gauge.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference SE(44) 150776

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Marham	6m.	ENE	Kirkby Malzeard.	6m.	ESE

Summary of Earlier Records from 10-year Sheets:

1916-1950, P-Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
			but - 31-36	✓	

Station No. 3410/1 ^{7X 41}RAINFALL at 6 Masham Moor (Somerside)County of North Riding Yorks.Observer H.L. Forster Esq. C.E.River Basin Cuse - Wre - 1Type of Gauge M.O.

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

Ref.

N

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41-49

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37

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File No. 78.2062/27

E23380/58

Diameter ...	5"		049	247								
Height ...	1' 0"			1								
Altitude ...	928'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	4.10	3.63	.79	3.35	2.93	4.45	4.68	3.70	4.00	5.66		
February ...	4.54	.59	3.20	2.64	2.11	2.28	3.35	6.43	.18	4.75		
March ...	4.86	2.52	.67	2.55	2.13	1.75	2.30	2.60	2.62	3.23		
April ...	2.78	1.83	3.12	.78	.85	2.31	.42	.93	4.54	2.13		
May ...	7.96	1.73	3.13	4.94	3.25	.97	1.63	6.14	1.21	1.55		
June ...	1.19	1.29	3.52	2.80	2.50	3.40	1.69	3.57	1.68	1.24		
July ...	1.67	.99	3.78	2.81	1.11	5.94	4.03	4.22	2.07	5.44		
August ...	6.57	3.93	3.83	6.62	1.22	8.28	6.01	4.14	.83	3.78		
September ...	2.19	5.02	3.36	3.38	2.06	4.10	4.19	2.80	.19	4.09		
October ...	1.97	5.69	2.49	7.63	2.23	2.64	4.37	3.32	4.85	8.85		
November ...	10.60	2.37	3.41	7.51	2.70	.77	1.86	1.10	6.06	5.97		
December ...	5.92	3.01	2.26	4.12	5.54	3.99	(4.28)	5.76	8.36	5.18		
TOTALS ...	54.35	32.60	33.56	49.13	28.63	40.88	38.81	44.71	36.59	51.87		
	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		

1951. n.p. check

See 3410 (max. fall)

00014

1952. n.p. check

1958 Print.

1953. n.p. check

1954. n.p. check

1955. n.p. check

1956. n.p. check

1957. n.p. check

1958. n.p. check

1959. n.p. check

1960. n.p. check

1961. n.p. check

1962. n.p. check

1963. n.p. check

1964. n.p. check

1965. n.p. check

1966. n.p. check

1967. n.p. check

1968. n.p. check

1969. n.p. check

1970. n.p. check

1971. n.p. check

1972. n.p. check

1973. n.p. check

1974. n.p. check

1975. n.p. check

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference

SE 143773

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
				no check C 1942	