

RAINFALL AT Burndale West Somerset

80

Lat.

London.

County of York NR

Rain Gauge, by

Observer T. Stevenson Esq. C.E.

One - the 1

RAINFALL AT Masham Moor W. Somerside

Lat.

Long.

County of

York ~~W.R.~~ N.R.

Rain Gauge, by

Observer

J. Newson Esq C8

Once a week

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	2.579
February	1.17	.17	2.46	5.42	8.71	1.10	.75	3.62	3.52	3.05	2.199
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	38.979

RAINFALL AT Masham Moor & Somerdale

Lat.

London.

County of

York N.Y.

Rain Gauge, by

Observer J Newson Esq C.R.

C. G. Wenzell Eng. C. L.

use - 1 -

Diameter	* 8									
Height	0 9									
Altitude	960 ft	928 ft								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	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	1.96		
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	4.56	2.87	4.94		
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	38.54		

28. IX. 06. Inspection note by Dr. Hill:- (Name not West Somerset)

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

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

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

RAINFALL AT Masham Moon N. Lonsdale

Lat.

Lon.

County of

N York Nth

Rain Gauge, by

Observer J. Newton Esq C.E.
C. G. Honzelle Esq C.E.

line - 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	1.50	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	4.48		
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 Masham Moor, SomersideCounty of N.R. Yorkshire

Observer.

C.G. Hennzell by chRiver Basin. One - the 1

Rain Gauge, by _____

Diameter ...	5											1916-19 Means. Totals.
Height	0.9											
Altitude ...	928 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919		
January ...	5.38	1.95	4.91	5.68	2.71	5.79	3.82	3.99	3.24	4.03	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	9.92	2.23	3.31	6.57	2.80	1.02	5.28	2.73	1.70	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	2.81	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 .. .	2.23	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	

+9
Impacted

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

RAINFALL at Masham Moor ~~Y~~ Somerside

County of N. R. Yorkshire

Observer G. G. Hennell Esq. C.E.

River Basin Ure 1

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

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

8324

feeds like

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

Diameter ...	5"											1930 MEANS	1920-30 TENDENCY
Height	9												
Altitude ...	928												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			
January ...	5.74	8.20	4.45	2.99	3.62	5.80	5.56	4.58	9.20	1.43	5.79	57.16	
February ...	3.69	2.22	4.26	6.66	1.21	6.18	3.51	2.22	4.92	1.22	1.73	35.82	
March	4.56	3.14	3.51	2.04	1.65	1.28	1.76	3.06	7.55	.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	2.20	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	49.96	
September...	1.11	1.88	5.16	3.85	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	2.64	8.05	3.66	49.94	
TOTALS...	47.01	38.74	44.22	45.68	46.66	42.89	44.40	53.68	48.32	32.74	48.05	49.21	

Inspected 26. VII. 23. Gauge in meadow in wire railing about 5 ft. away all round and 4 ft. high. Glass mounted acting round gauge. Sufficient shelter 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. _____

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

RAINFALL at Masham Moor (Somerside)

County of North Riding

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

River Basin Ouse - Pre - I.

K.L.S. Farnham, Esq., C.E. (1939)

Type of Gauge

Annual Average 28.2 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	3.87	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	11.32	.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	6.85	1.83	3.97	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	2.26	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	2.87	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	Parish Church.	Distance from gauge	Direction
1937.			Masham	6 m	ENE	Hirkley Malgaard	6 m	E.S.E.

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

Roundhill Reservoir No 3 (1942)

Station No. 3410

RAINFALL at Masham, North Yorks. (8 miles S.E.)

41

County of North Ridings Observer K. T. Foster Esq., C.E.
 River Basin River Ure I. A. S. West Esq. (1942)
 Type of Gauge Harrogate W.W. (1945)

Annual Average 32.2 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S
 File No. 660560/26 780974/27

Diameter	8"	049269									1941-50 Means
Height	1' 0"										
Altitude	928' 925'	41				925'					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	
January	4.54	3.07	5.49	3.77	3.24	2.75	3.33	8.28	1.91	2.03	39.74
February	6.34	2.21	1.71	2.11	4.44	2.20	(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	1.69	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	1.81	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	6.85	35.73
September	.21	2.14	3.30	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	7.94	1.16	7.01	4.21	1.42	5.54	5.93	41.11
December	2.00	3.59	2.12	4.04	2.73	3.59	3.28	4.42	6.44	2.08	34.29
TOTALS	36.56	30.86	36.28	41.91	37.90	46.61	40.65	35.93	35.99	41.02	384.21

1941-Daily values supplied by A. S. West since 1937. 1943, ~~1943~~, read 1.6.45
 1944, Feb. read 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	Parish Church.	Distance from gauge
1941			Masham	6 miles	ENE	Kirkby Malham	6 miles E.S.E.

RAINFALL at Masham Moor (Somerset)

41

County of North Riding

Observer K. L. Forster Esq C.E.

River Basin River. Use. 1

Type of Gauge

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

Ref.

File No. 180902/24

Diameter	5	049	247								
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	1.46	1.12	1.51	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	2.11	3.86	4.04	.46	1.44		
July	3.14	2.03	2.54	2.55	3.03	1.71	1.09	2.48	2.87		
August	3.41	4.20	2.11	3.71	6.22	.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	9.6	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	36.18	40.80	39.28	46.66	40.65	35.26	36.04	41.80		
	mp	mp	mp	mp	mp	mp	mp	mp	mp	mp	

np check.

20004

1944 Although in remarkable close agreement with 3410, this is a different gauge. Record gauge monthly totals or leave fall.

1945 np check.

1946 np check.

1947 np check. Fall. winter & snow

1948 np check.

1950 printed not check gauge. This should have been np check. There is no evidence that it is equivalent of 3410/1. See file notes for

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

Station No. 3410

51

RAINFALL at Roundhill Reservoir No. 2.

County of North Riding - Yorks.

The Water Engineer,

Observer H. Langdale Esq.

River Basin Ouse. Mr. - 1

Leeds Water Board.

Type of Gauge.

Annual Average 38.8 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 660580 Tab E (16133) 153

Diameter	8"	049269									
Height	1'0"		1								
Altitude	925'		51								
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	2.62	.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	2.74	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	2.74	.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	np.			

No much gauge exists. The observer at Roundhill collects the readings from the scale
scales at Sonning and passes them to his office at Roundhill Res. No. 2.
Daily record obtained from scales 3410, to compare with 3410 does not agree
entirely but is too similar to be a different gauge. The scale record is the
better and will be retained. J.B.O.K.

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	Parish Church.	Distance from gauge
1951			Marshall	6m.	ENE	Kettleby Malgrave	6m. ESE

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D. or d	1910-19 (D)	1920-30 (D)	1931-40 (D)	1941-50 (D)	1951-60
	V	V	V	V	

Station No. 3410/1

T.F. 41

51

RAINFALL at Masham Moor (Somerside)

County of North Riding - Yorks. Observer H. L. Horster Esq. C.E.
River Basin Ouse - 1

Type of Gauge. M.O.

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

" " 41-49 " 37 " Within 1916-57 " " 1916-50

Ref. E23380/58

File No. 78A062/27

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	2.91	.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	2.90	.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.							

1951. n.p. check See 3410 (man-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

July 1959. A.O.K. by round. One-sided E-S-W. Turf-wall good. This is not a check gauge.

The number of this station should really be 3410.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SE 143773

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