

RAINFALL AT Laverdale Bagwith Brae

Lat.

Lam.

County of York

Rain Gauge, but-

Observer T. Hewson Esq C.E.

Use - me 12.

RAINFALL AT Kirkby Malzeard Bagworth Brae

Lat.

Long.

County of

York W.R.

Rain Gauge, by

Observer

J. Newson Esq., C.E.

Dose - Mr 12

Diameter	8										
Height	0.9										
Altitude	697	ft.									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.41	2.04	2.14	2.35	4.60	7.78	1.05	2.03	1.37	5.51	3.112.8
February	1.20	.06	4.33	5.29	5.78	1.78	.65	3.74	2.03	2.39	2.726
March	2.92	2.05	2.13	.51	2.84	3.27	3.70	5.76	1.79	1.72	2.669
April	1.42	3.67	2.08	.59	3.52	2.89	1.58	1.87	3.42	3.38	2.114.2
May	2.73	2.77	3.09	2.47	2.15	.61	6.4	1.29	2.69	4.40	2.284
June	3.59	1.00	4.63	1.84	3.97	2.55	3.33	2.68	2.18	1.66	2.742
July	1.73	3.40	1.51	1.84	3.37	5.13	2.04	1.11	.90	1.82	2.285
August	5.15	5.13	4.22	3.07	2.28	2.22	2.04	3.86	3.25	1.71	3.293
September	2.05	2.67	1.58	1.71	.77	1.56	6.00	2.09	.87	4.39	2.369
October	1.04	4.40	8.36	2.52	5.92	3.92	5.12	1.72	6.98	3.20	4.318
November	3.73	4.23	1.64	2.07	2.29	6.14	1.74	2.14	3.99	2.69	2.066
December	1.58	5.24	.77	3.63	2.77	3.71	4.92	4.14	3.72	3.51	5.399
TOTALS	32.55	36.66	36.48	27.89	40.26	41.56	32.81	32.43	33.19	36.38	35.021

RAINFALL AT Kirkby Malzeard Bagwith Brae

Lat.

Lon.

County of York W.R. Northern

Rain Gauge, by

Observer J. Henson Esq C.E.

C.G. Norquay Esq C.E.

June-12-

Diameter ..	* 8										
Height	0 9										
Altitude ..	697 ft	703 ft									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.41	1.81	1.25	3.78	3.56	1.00	4.51	1.17	2.19	1.41	2.509
February ..	7.87	1.67	1.70	3.09	3.88	1.53	2.19	2.08	2.26	.98	2.725
March ..	1.12	2.99	1.19	4.83	2.69	2.72	1.66	2.47	4.79	6.89	3.135
April ..	1.97	2.45	1.69	1.58	1.99	3.24	.62	1.68	2.28	3.07	2.052
May ..	2.40	1.50	2.38	5.46	3.75	.39	3.45	4.25	2.82	1.91	2.831
June ..	2.92	1.70	1.64	3.27	1.34	1.44	1.20	5.08	3.32	2.16	2.407
July ..	1.95	2.14	2.34	3.42	1.85	.65	1.00	1.91	3.06	3.33	2.165
August ..	7.15	1.56	2.54	3.50	3.53	4.09	3.27	1.75	2.40	3.78	3.352
September ..	.90	1.26	1.63	4.43	1.51	2.62	.74	.56	3.11	2.23	1.899
October ..	5.85	1.53	3.22	9.70	.94	1.93	6.78	7.06	2.87	3.15	4.253
November ..	4.31	3.96	2.83	1.80	2.30	6.64	3.68	2.74	1.85	1.10	3.121
December ..	3.35	3.88	3.01	2.46	2.26	.91	2.13	4.45	1.44	5.36	2.925
TOTALS ..	44.20	26.45	25.42	47.27	29.60	27.16	31.23	35.20	31.89	35.32	33.374

1906 not printed

28. IX. 06. Inspection note by Dr. Hill:-

1907 "

* Glassik. upper part sound but rim somewhat crumpled.

1908 "

lower part, outer can wants hydraulic joint gallery.

1909 "

Set 6 in. above ground

Cassella 5 in. No 8323, perfect order, set at 11 in.

Grass in usual circular enclosure too long.

HUB

RAINFALL AT Kirkby Malzeard Parish Boro

Lat. Lon. County of York W.R. Northern

Rain Gauge, by J. Weston Esq. Ch
Observer C. G. Honywell Esq. Ch.

Mo - 12 -

Diameter ..											
Height ..	5										
Altitude ..	0.9										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	1.81	1.22	3.90	3.65	1.00	4.51	1.11	2.19	1.36		
February ..	1.64	1.59	3.48	3.90	1.46	2.24	1.73	2.24	.99		
March ..	3.06	1.11	5.49	2.60	2.72	1.67	2.44	4.53	6.16		
April ..	2.45	1.66	1.48	2.03	3.08	.58	1.81	2.24	3.16		
May ..	1.51	2.40	5.94	3.72	.39	3.42	4.30	2.70	1.84		
June ..	1.69	1.62	3.17	1.33	1.48	1.19	5.14	3.26	2.43		
July ..	2.18	2.34	3.44	1.86	.61	1.00	1.91	3.06	3.40		
August ..	1.51	2.54	3.47	3.54	4.04	3.27	1.76	2.23	3.74		
September ..	1.24	1.61	4.44	1.63	2.61	.72	.56	3.01	2.18		
October ..	1.53	3.33	9.69	.94	1.94	6.32	7.05	2.34	3.36		
November ..	3.98	2.68	1.77	2.27	6.59	3.74	2.74	1.91	1.26		
December ..	3.73	3.30	2.51	2.19	.92	2.04	4.45	1.38	5.19		
TOTALS ..	26.33	25.40	48.78	29.56	26.84	30.70	35.00	31.09	35.07		

+ Inspected see previous sheet.

RAINFALL at Kirby Malzeard Ragwith Brae

County of W.R. Yorkshire Observer C. G. Hemmell Esq. C.B.

River Basin Ouse - Ure 12

Rain Gauge, by _____

Diameter ...	8									
Height	0 9									
Altitude ...	703 ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	4.87	1.68	5.40	5.08						
February ...	2.87	2.30	2.15	1.50						
March67	1.75	3.66	4.55						
April	3.12	1.28	.24	3.84						
May	2.65	1.41	3.15	2.22						
June	2.28	2.72	7.71	1.50						
July	2.89	.38	4.41	.98						
August	4.87	2.87	6.36	1.51						
September ..	.49	2.42	2.05	1.76						
October ...	3.92	3.89	3.16	3.31						
November ..	3.53	4.99	2.14	3.00						
December ...	4.17	5.69	3.52	1.76						
TOTALS ...	36.23	31.38	43.95	31.01	M.R.					

1910 Not printed

1911

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

049 840

10 3391

RAINFALL at Kirkby Malzeard Bagwish Brae

County of W.R. Yorkshire

Observer C.G. Hengell Esq. M.A.

River Basin Orme. Else 12

Rain Gauge, by

Diameter ...	5										
Height	0.9										
Altitude ...	703 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.30	1.58	5.18	4.26	1.83	5.54	2.17	2.79	2.92	4.80	
February ...	3.06	2.42	2.16	1.59	3.70	5.27	4.15	.84	4.45	3.83	
March68	1.74	4.08	4.71	2.49	1.09	5.39	2.41	1.59	4.45	
April	3.20	1.26	.24	3.86	.96	1.17	1.67	1.79	1.06	3.41	
May	2.54	1.38	3.05	2.26	1.84	2.52	3.37	2.05	2.85	1.57	
June	2.32	2.95	7.58	6.60	2.64	.24	1.90	2.03	.75	.55	
July	3.09	.35	4.48	1.18	2.15	4.89	2.45	1.20	3.74	.82	
August	4.94	2.76	6.28	1.48	1.76	3.10	1.87	8.42	2.61	1.65	
September ..	.49	2.49	1.95	1.75	1.79	.51	2.73	1.01	7.87	1.26	
October ...	3.87	3.94	3.22	3.34	2.29	1.52	6.44	4.59	2.98	4.48	
November ..	3.68	5.07	2.03	3.01	4.88	2.33	4.04	2.42	2.14	3.63	
December ...	4.14	5.40	3.57	1.57	8.71	8.24	2.68	1.76	5.39	5.10	
TOTALS ...	37.31	31.84	43.82	30.61	35.03	36.42	38.86	31.31	38.35	35.25	

+ Inspected

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

RAINFALL at Kirkby Malham - Page with Brack

County of W. R. Yorkshire

Observer G. G. Hennell Esq. L.E.

River Basin Use - Use 12

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

Cu Snowdon Rain Gauge, by Casella
no bottom to outer can 832
glass correct vsl-23.

What are feeds?

Dec. 11th 1964

1926. Jan. Mar. Apr. Aug. 4 Dec. adjusted by maps
1927. Oct. 11. Sp. moved 30 yds. N.E.

1927 Oct. 11. 49 m.s.s. 50 m.s.s. 50 m.s.s.
Inspected 9/25. 5.VII.23 S. in grass meadows. Buffet shelter on E and N
but open to S and W. Depth of 10 ft in 20 yds to W but some shelter beyond.
Suggested moving 70-80 yds ^{fuller} from road to get more shelter on W & S.
S. 15' N of road about 10 yds in iron railings.

RAINFALL at Kirby Malzeard (Bagwith Brae)

County of West Riding

Observer H. Shortreed, Esq., F.R.S.

River Basin Ouse - Ure - 12

Met. Envir. Survey Eng. C.E. (1930)

Type of Gauge

Annual Average 32.9 in. based on 30 years obs. un-weighted. Period of average 1901-1915 Ref. 3
780902/27

Diameter	S.											
Height	0.9											
Altitude	703.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Total 10	
January	1.75	3.07	2.39	2.59	1.84	4.81	4.78	5.25	5.84	1.57	33.89	
February	2.49	7.0	4.70	1.3	5.25	3.75	5.52	1.36	2.39	4.17	30.46	
March	1.79	2.15	2.39	3.35	1.96	2.42	3.87	1.34	2.62	1.92	20.81	
April	4.34	2.75	1.24	1.01	3.44	1.83	4.20	1.18	1.74	2.45	26.18	
May	3.36	6.21	2.92	1.85	1.00	2.29	3.21	3.09	1.54	1.44	26.91	
June	4.57	1.26	1.05	1.78	3.28	5.45	2.18	3.84	2.98	1.43	26.82	
July	4.78	3.90	2.42	1.75	1.50	3.80	2.04	2.61	4.91	5.35	32.06	
August	4.05	1.96	0.26	2.27	1.58	2.69	1.51	4.43	2.24	5.7	21.56	
September	4.95	2.03	1.98	2.21	6.13	3.10	1.32	2.19	1.35	1.58	26.84	
October	1.16	4.05	3.85	3.76	5.70	2.17	2.85	6.95	4.17	4.07	38.73	
November	4.85	2.15	3.61	2.92	6.88	3.47	2.42	5.37	4.42	5.38	41.47	
December	1.66	1.58	0.44	6.97	2.60	3.18	3.88	4.37	1.54	2.28	28.50	
TOTALS	38.75	31.81	27.25	32.59	39.16	38.96	37.78	40.98	35.74	31.21	354.23	

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. 3381

RAINFALL at Kirby Malzeard (Bagnall Brae) 41

County of West Riding Observer K. L. Fenton Esq. CE

River Basin Ouse - Hull N.D.

Type of Gauge

Annual Average 32.9 in. based on 30 years obs., un-weighted. Period of average 1881-1915 Ref. S

File No. 780902/27

Diameter	5"	049	840									
Height	0' 9"			1								
Altitude	703'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total	
January	4.59	3.50	5.34	3.74	4.01	3.57	2.37	8.55	1.10	1.89	38.36	
February	3.52	3.70	2.32	1.86	4.50	2.61	6.69	1.63	2.02	2.82	39.47	
March	3.68	3.08	1.37	1.50	1.87	1.69	8.29	1.34	1.00	1.41	23.28	
April	2.64	1.73	1.15	2.59	1.75	2.12	4.79	2.89	3.27	2.91	26.44	
May	2.06	2.32	2.79	.96	4.20	4.30	3.10	1.32	1.39	1.71	24.14	
June	.19	1.08	2.85	2.88	2.85	2.68	4.63	3.62	.71	1.07	22.56	
July	1.76	3.28	1.74	2.49	2.51	2.88	2.05	1.22	1.94	2.74	22.63	
August	2.64	3.28	3.96	2.03	3.57	6.92	1.05	4.94	3.33	4.89	36.61	
September	3.4	2.32	4.47	6.15	2.43	6.46	1.94	2.05	1.70	3.74	31.63	
October	4.67	2.92	2.09	3.88	5.63	2.74	1.20	1.01	4.39	1.82	29.95	
November	4.22	1.84	2.23	6.99	1.07	7.26	2.31	1.15	4.82	2.17	37.06	
December	1.52	3.23	1.88	3.05	2.68	3.28	3.25	3.46	4.78	1.84	28.97	
TOTALS	36.67	31.88	32.28	32.79	37.12	36.07	46.21	41.67	33.68	30.45	34.51	361.05

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

BRITISH RAINFALL ORGANIZATION

Station No. 3381 T.F. 41

RAINFALL at Kirkby Malzeard (Bogwith Brow)

51

County of West Riding - Yorks.

Observer

H. L. Forster, Esq.C.E.

River Basin. Ouse - Tre - 12

Type of Gauge. M.O.

Annual Average 32.9 in. based on 30 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " 38.59 " " 18 " within 1937-57 " " 1916-58 E23380/58
 File No. 780/02/27

Diameter	5"	049	840								Means
Height	0'9"		1								Totals
Altitude	703'		51								
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	
January	2.75	2.68	.76	4.37	2.78	4.50	3.34	3.95	3.91	5.77	34.81
February	3.12	1.48	2.85	2.49	1.77	2.55	3.19	5.95	1.20	2.97	25.57
March	3.79	2.26	.47	2.57	2.19	1.41	2.17	3.29	2.20	3.87	34.22
April	1.82	1.74	3.43	.49	1.32	2.46	.34	.99	4.41	1.56	18.56
May	8.18	2.15	2.09	5.49	2.84	1.09	1.66	5.82	1.00	1.99	32.11
June	1.11	1.60	3.81	2.12	2.71	3.57	1.34	4.39	1.42	0.98	23.05
July	1.74	1.54	3.80	2.37	.89	6.22	3.23	3.05	2.76	5.36	30.96
August	5.42	4.26	3.21	6.58	1.04	7.51	7.78	3.58	.88	3.80	44.06
September	1.67	4.37	2.84	3.48	1.78	4.89	5.49	3.77	.19	2.93	31.41
October	1.86	3.27	3.01	6.22	2.59	1.58	3.81	2.87	3.30	6.72	35.25
November	8.96	3.44	3.26	6.30	3.33	.74	2.76	.94	5.01	5.47	40.21
December	3.96	3.30	2.35	3.40	4.71	3.60	2.48	5.69	7.34	4.37	41.20
TOTALS	44.35	31.11	31.88	45.88	27.95	40.12	37.39	44.29	32.62	45.79	381.41

JULY 1958 9.60K. g. rain. Slightly over-exposure SW-S but turf-wall effective. Mountain Ash NW-W may over-shelter loci

Turf-wall

Position of Station on Ordnance One-Inch map : No. of Map 91 National Grid Reference SE 195747

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	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
		✓	✓	✓	✓	-
		-	-	-	-	