

RAINFALL AT Laverdale Hawset

Lat.

Lam.

County of York

Rain Gauge, by

Observer J. Newson Esq. C.E.

One - the 12

RAINFALL AT Kirby Malzeard Hawset

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer J. Hewson Esq. Cl.

Date: Dec 12

Diameter	8										
Height	0	9									
Altitude	820										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.69	1.90	1.83	1.43	6.02	4.25	1.36	1.87	2.49	6.17	3.301
February	1.08	.15	2.84	6.26	6.89	1.45	.72	3.82	2.90	2.38	2.8119
March	3.18	1.90	.99	.92	3.15	3.61	4.08	6.67	1.22	1.75	2.7447
April	1.53	3.67	1.77	.60	3.01	3.08	1.72	2.13	3.96	3.55	2.502
May	2.63	3.38	3.44	2.55	2.44	.47	.59	1.49	2.60	4.41	2.400
June	3.27	1.11	5.02	2.23	3.96	2.66	3.43	3.18	2.60	1.72	2.918
July	1.95	3.51	1.85	2.09	3.46	5.22	2.08	1.37	.85	2.87	2.526
August	5.22	5.69	4.79	3.85	2.54	2.48	1.73	3.87	3.65	1.77	3.559
September....	2.16	2.91	1.93	2.17	.65	1.24	6.30	2.33	.96	5.02	2.569
October....	1.19	4.47	7.07	3.18	6.09	3.84	5.42	2.00	6.43	3.99	4.368
November....	3.85	4.52	2.12	2.39	2.66	6.45	1.77	2.57	3.69	3.50	2.250
December....	1.41	5.66	1.11	4.33	3.53	3.56	5.85	4.96	4.76	3.52	3.869
TOTALS ...	33.16	388.7	34.76	32.00	44.40	38.31	35.05	36.26	36.11	40.65	36.959

RAINFALL AT Kirby Malzeard Hawset

Lat.

Lon.

County of York W.R. Northern

Rain Gauge, by

Observer T. Newton Esq Ch.

line - 12.

C. G. Hornsby Esq Ch.

Diameter ..	8										
Height ..	0.9										
Altitude ..	820 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.79	2.00	1.55	4.39	3.76	.97	4.80	1.49	2.68	1.62	2.806
February ..	4.89	1.49	1.59	4.23	4.03	1.48	2.57	2.25	2.55	1.08	2.616
March ..	1.01	3.53	1.39	5.95	2.67	2.87	2.38	3.33	4.38	6.65	3.416
April ..	2.23	2.52	1.88	1.75	2.75	2.89	.55	2.11	2.89	3.55	2.262
May ..	1.98	1.62	2.59	5.60	4.15	.71	3.60	4.88	2.79	2.11	3.003
June ..	3.16	1.63	1.64	3.59	1.65	1.49	1.07	5.21	3.06	2.21	2.471
July ..	2.38	2.29	2.32	3.74	2.07	.72	1.36	1.96	3.40	3.80	2.404
August ..	7.13	1.84	2.76	3.62	3.82	4.08	4.15	2.25	2.88	3.71	3.624
September ..	.90	1.37	1.54	5.00	1.45	3.12	.75	.74	3.65	2.26	2.078
October ..	5.71	1.56	3.54	9.91	.99	2.15	7.65	6.66	2.45	3.92	4.454
November ..	4.64	3.98	2.64	2.01	2.01	6.68	4.01	2.95	2.44	1.48	3.204
December ..	4.10	3.75	3.58	2.50	2.42	1.08	1.89	4.99	1.73	4.17	3.021
TOTALS ..	42.92	27.58	27.02	52.29	31.77	28.24	34.78	38.82	34.40	36.57	35.430

Hull

28. IX. 06 Inspection note by Dr. Hill - 8 in. Copper & glasser still in good condition but for the hydraulic joint gallery having dropped. Glass lying beside g. in ground - placed it inside inner can. G. possibly open to interference by animals (rabbit etc), wire netting round the 12ft. enclosure advised - also change of gauge to 5 in. Showdon.

+ Inspected

049 825 10 3379

RAINFALL at Kirby Malzeard Hawsett

County of W.R. Yorkshire

Observer Ch. Hennell by C.S.

River Basin One - 12

Rain Gauge, by —

Diameter ...	8										
Height	0 9										
Altitude ...	820 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS. 131.25
January	4.81	2.11	3.70	5.35	2.57	6.13	3.88	2.29	3.11	5.08	14.36
February ...	3.81	3.63	1.96	2.35	3.62	5.35	4.54	.64	0.60	2.21	12.99
March75	2.04	4.59	6.58	3.11	.92	3.82	2.23	1.70	3.87	11.62
April	3.30	1.57	.45	4.05	1.16	1.52	1.86	1.64	1.03	2.43	6.96
May	2.48	1.74	2.83	2.43	1.81	2.36	2.63	2.28	3.41	1.57	9.89
June	2.38	2.92	7.58	2.23	2.68	.35	2.40	2.31	1.08	1.64	4.43
July	3.18	.54	4.51	1.13	3.11	5.22	2.55	1.30	3.86	1.90	9.61
August	4.86	3.48	6.59	1.57	1.80	3.14	2.56	8.39	3.18	2.48	16.61
September46	2.66	2.20	1.92	2.10	.53	3.12	1.63	8.95	1.55	15.25
October ...	4.21	4.91	3.71	3.41	2.27	1.60	8.02	5.21	3.52	4.43	21.18
November ...	3.87	5.25	2.86	3.93	5.90	2.13	4.33	3.46	2.62	3.76	14.17
December ...	4.01	6.12	5.60	2.11	9.31	7.74	2.66	2.17	6.32	5.74	16.89
TOTALS ...	37.62	36.97	46.48	37.36	39.44	36.99	42.37	33.55	44.38	36.66	156.96

+ Immerse

RAINFALL at Kirkby Malzeard Hawsett

County of W. R. Yorkshire

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

River Basin Ouse-Ure 12

(1925) H. Shattock Esq. C.B.E.

Cu. Gauge Rain Gauge, by
 { 8.00
 { 8.04 beginning to leak in seam +
 { 7.96 in other places.

Wind Deflectors (feet)

leaves
as
indicates

Diameter ...	8	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Average.
Height	0.9											
Altitude ...	620											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1920-30 Totals
January ...	5.49	6.99	4.43	2.72	3.05	5.14	5.44	3.56	8.54	1.40	6.26	53.02
February ...	3.41	29	4.18	6.13	.84	5.50	3.37	2.07	4.58	1.05	1.34	32.76
March	4.06	2.97	3.08	1.73	1.70	.96	1.45	2.58	4.19	.38	2.80	25.90
April.....	6.19	1.04	3.54	3.00	2.57	4.35	1.74	2.76	.66	1.70	3.77	31.32
May	4.09	2.06	1.06	3.35	6.33	4.92	2.48	1.85	2.76	1.99	1.37	32.26
June	1.60	52	2.01	1.09	2.49	.13	4.00	3.31	4.61	1.11	1.95	22.82
July	6.41	2.23	6.07	3.15	5.33	1.74	3.34	5.23	1.09	2.96	6.15	43.70
August	1.81	5.54	3.84	4.62	3.24	3.18	3.34	9.03	4.50	3.20	3.49	45.79
September...	1.12	1.75	4.38	3.71	4.72	2.76	3.33	5.62	.50	1.18	6.79	35.86
October.....	3.60	1.96	1.29	4.41	5.01	4.23	3.66	5.29	5.94	4.26	3.94	43.59
November...	2.78	2.56	1.36	6.22	3.54	1.81	8.00	3.70	5.63	5.56	5.48	46.64
December...	4.17	6.26	4.76	3.68	5.06	4.80	.97	3.47	2.56	9.28	3.58	48.59
TOTALS...	44.73	34.17	40.00	43.81	43.88	39.52	41.12	48.47	45.56	34.07	46.92	462.25

Inspected 9.5.1930. S. in open valley in meadow. Sufficient shelter on all sides, slightly less open to east. Good exposure.
Gauge to N. of road about 100 yds.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series }

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

RAINFALL at Kirby Malzeard (Hawsett)

County of West Riding

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

River Basin Ouse - Ure - R.

W.M. Franklin Esq., C.I.E. (1939)

Type of Gauge

Annual Average 37.1 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. S
780902/27

Diameter	8.						5			8	
Height	0.9.										
Altitude	820										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	2.21	4.22	3.26	3.02	1.71	4.98	4.96	6.35	6.26	1.29	38.26
February	3.27	6.64	5.29	2.25	6.53	2.89	4.85	1.64	2.98	2.98	31.22
March	1.64	2.66	2.90	2.67	1.04	2.54	3.97	1.42	2.61	1.90	21.35
April	4.50	3.85	1.32	3.60	3.52	1.43	3.99	.19	1.66	2.30	26.36
May	3.68	5.82	3.83	2.99	.91	2.09	2.95	3.05	1.14	1.71	27.69
June	4.64	1.49	1.65	1.80	3.63	4.87	1.86	4.06	3.27	3.5	27.62
July	4.65	3.90	2.98	.76	1.49	4.21	2.17	3.53	4.21	4.70	31.60
August	3.90	1.51	0.62	2.82	1.37	2.66	1.37	4.09	2.03	1.56	20.83
September	5.12	2.78	1.96	2.32	5.75	3.00	1.53	2.17	1.14	1.75	27.52
October	1.66	4.88	3.66	4.17	6.23	2.58	2.69	7.80	3.56	4.20	41.43
November	6.33	2.96	3.24	2.58	7.21	3.76	1.92	5.83	5.10	5.28	44.21
December	1.96	2.19	0.67	7.47	2.61	4.03	4.29	4.99	1.99	2.86	33.06
TOTALS	42.56	36.90	30.78	34.45	41.00	39.04	36.85	44.02	36.97	29.88	371.15

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. 3279

RAINFALL at

Kirby Malzeard (Haworth)

41

County of West Riding

Observer K. W. Foster Esq. C.E.

River Basin Don - Ure 12

Type of Gauge

Annual Average 37.1 in. based on 111 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 780902/27

Diameter	8"	049	825					5"			
Height	0' 9"			1							
Altitude	820			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Total 115
January	4.27	3.40	4.76	3.61	4.60	3.81	3.11	8.41	1.17	2.08	39.22
February	4.91	3.18	2.37	1.68	4.59	3.23	6.13	2.55	2.57	6.13	37.34
March	3.64	2.87	1.59	3.1	1.15	1.31	8.02	2.35	.91	1.87	23.52
April	2.68	1.63	1.90	2.39	2.15	1.83	4.66	2.13	3.35	3.07	25.20
May	1.67	2.50	3.12	1.01	4.34	3.31	2.68	.99	1.51	1.80	22.93
June	.21	1.06	2.83	2.83	2.86	2.07	3.67	3.41	.66	1.05	20.65
July	1.95	3.29	1.55	2.60	2.43	2.54	2.06	1.07	1.89	3.05	22.43
August	2.42	3.09	4.66	2.02	3.46	6.41	1.01	4.71	3.24	5.93	36.95
September	.28	2.12	4.76	6.28	2.63	6.01	2.16	2.14	1.49	4.64	32.41
October	4.22	3.04	2.66	3.67	5.88	2.61	1.06	1.01	4.51	2.03	30.69
November	4.87	1.70	2.33	7.25	.89	7.57	3.68	1.21	5.25	5.19	39.34
December	1.73	3.43	2.16	3.66	2.50	3.75	2.76	4.47	5.76	1.39	31.61
TOTALS	31.63	31.31	34.69	37.31	37.48	44.45	41.00	34.45	32.84	37.63	362.29

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. 3379 T.F. 41

RAINFALL at Kirkby Malzeard (Haworth)

County of West Riding Yorks. Observer K. D. Horsterley, C.E.

River Basin Ouse Weir 12

Type of Gauge H.D.

Annual Average 37.1 in. based on 111 years obs. un-weighted. Period of average 1881-1915 Ref. S
 38.65 - - 35 - - 1916-1950 1916-1950 P E23380/58
 File No. 78 ✓ 02/27

Diameter	5"										
Height	0' 9"	1' 1"									
Altitude	820'	51									
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.73	2.71	.45	2.67	2.73	4.32	4.18	3.44	4.39	5.94	34.56
February	2.93	1.40	2.55	3.06	2.20	2.15	3.11	4.80	.17	3.53	24.95
March	3.74	2.26	.56	2.51	2.30	1.58	2.32	2.51	2.94	2.41	23.13
April	1.79	2.00	2.86	.45	.90	2.07	.22	1.00	4.37	1.69	17.85
May	5.98	1.91	1.90	5.34	2.91	.92	1.46	5.73	.79	1.21	28.15
June	1.12	1.09	2.73	2.13	2.46	2.92	1.54	2.71	1.32	1.24	20.26
July	1.90	1.61	3.33	2.36	1.08	6.19	3.13	2.59	2.24	5.20	29.63
August	5.38	4.57	3.88	6.34	1.10	7.74	6.03	3.59	.81	3.34	42.78
September	2.29	4.26	3.12	3.20	1.60	4.35	4.28	3.05	.22	3.51	29.88
October	1.86	4.02	3.04	6.96	2.09	1.86	4.08	2.94	4.06	6.57	37.48
November	9.67	2.88	3.56	7.02	2.81	.57	1.70	1.05	4.13	5.66	39.03
December	5.42	2.15	1.77	3.29	5.01	3.80	3.00	5.86	8.97	4.82	44.09
TOTALS	45.81	29.86	29.75	45.38	27.19	38.47	35.05	40.25	34.41	45.17	371.29

July 1953 A.D. 9. min. over-surface all directions. Turf-well good. Better into
available hollow.

\$ Turf-well

Position of Station on Ordnance One-Inch map : No. of Map 91 National Grid Reference 9E154729

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
	✓	✓	✓	✓	✓