

RAINFALL AT Kirkby Malzeard Hambleton Hill

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer J. Henson Esq. C.R.

Ours. Ure 12

Diameter	8										
Height	0.9										
Altitude	1106										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.92	2.59	1.98	1.87	5.14	(7.00)	3.18	4.54	4.12	7.56	4.420
February	1.83	.36	3.54	5.69	8.70	(1.70)	1.10	3.56	2.72	2.74	2.194
March	3.80	2.22	2.88	2.39	5.15	4.99	5.49	7.19	1.54	1.05	3.670
April	1.74	3.90	.93	.74	3.11	3.14	1.51	2.40	3.03	4.83	2.582
May	2.62	3.36	4.01	2.00	3.20	.39	1.47	1.45	2.42	4.85	2.577
June	3.84	1.81	3.21	1.60	5.42	2.57	4.27	2.79	2.90	.70	2.931
July	2.18	2.09	3.11	3.47	3.18	4.83	1.89	2.04	1.31	3.66	2.776
August	5.56	7.97	3.20	2.45	2.86	2.92	2.01	4.78	3.91	.22	3.588
September	2.46	2.87	2.45	1.35	1.71	1.74	7.65	2.46	.76	6.64	3.009
October	2.30	4.46	7.87	2.65	4.98	4.25	5.52	2.60	7.95	4.07	4.665
November	4.47	5.82	2.52	1.92	4.01	7.74	1.97	2.42	3.90	3.12	3.789
December	1.58	4.22	1.82	5.83	3.20	2.73	5.27	5.38	4.76	4.02	3.881
TOTALS ..	38.30	41.97	37.52	31.96	50.66	(44.00)	41.33	41.61	39.32	43.66	411.055

1895 In January and February gauge was covered up
 The average rainfall for the Valley taken up down for
 those months

RAINFALL AT Kirkby Malzeard Hambleton Hill
 Lat. Lon. County of York W.R. Northern
 Rain Gauge, by Observer T. Hanson Esq C.R.
 C. G. Hengzell Esq C.R.

use - 12 -

Diameter ..	8										
Height ..	0 9										
Altitude ..	1106 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.59	3.01	1.72	5.68	3.73	1.12	4.03	1.05	2.42	1.69	2.904
February ..	5.01	1.82	1.04	5.07	5.30	1.72	2.39	2.23	2.06	.74	2.738
March ..	3.99	4.95	3.04	7.28	3.31	2.88	3.52	2.11	4.49	3.97	3.944
April ..	3.52	2.34	2.04	1.64	3.88	3.77	.89	2.11	2.31	4.32	2.632
May ..	2.17	1.94	3.18	7.24	2.95	1.73	3.85	4.55	3.89	3.16	3.466
June ..	3.67	2.59	1.69	3.08	2.37	1.41	1.67	7.22	4.49	2.98	3.117
July ..	2.38	2.67	2.52	2.91	1.97	.79	.75	2.15	3.34	3.74	2.322
August ..	7.82	2.37	1.77	5.09	4.02	4.39	3.89	2.54	2.00	3.05	3.694
September ..	1.38	1.62	1.96	5.01	1.28	4.03	.49	.80	4.63	2.28	2.348
October ..	5.61	2.03	5.16	11.67	1.70	1.82	5.49	5.90	2.96	4.87	4.721
November ..	4.71	5.53	3.06	1.88	6.02	5.92	5.54	5.34	2.17	.68	4.080
December ..	5.92	8.46	3.99	3.53	5.77	3.11	1.73	4.85	1.88	4.50	4.374
TOTALS ..	50.77	39.33	31.17	60.08	42.30	32.69	33.74	40.85	36.64	35.83	40.940 2.55

H. H.

RAINFALL at Kirkby Malzeard Hambleton Hill

County of W.R. Yorkshire

Observer

C. G. Hengell Esq C.E.

River Basin One - One - 12

Rain Gauge, by

Diameter ...	8										
Height	5	9									
Altitude ...	106	ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	7.07	2.08	3.83	4.05	5.42	6.24	6.10	2.60	3.15	4.51	1636
February ...	3.64	4.19	1.62	3.67	3.54	5.78	3.75	80	3.40	2.29	1224
March99	2.47	4.62	6.05	2.25	1.65	5.16	2.50	2.30	3.86	1392
April	3.51	1.99	.63	5.59	1.59	1.39	1.96	1.80	1.29	1.82	687
May	1.82	1.96	2.71	3.76	2.14	2.15	3.05	2.50	3.66	2.10	1124
June	2.29	3.91	7.15	2.15	3.56	.24	3.07	2.60	1.02	1.10	779
July	3.22	.82	3.37	.52	1.86	4.98	2.93	1.50	5.66	2.60	1269
August	4.44	3.33	11.28	1.38	2.46	3.34	2.24	8.70	1.87	3.23	1604
September ..	1.63	3.45	1.22	2.05	1.90	1.15	2.69	1.80	9.63	1.86	1598
October ...	3.88	4.23	4.85	3.04	2.89	1.65	6.48	5.50	3.86	3.00	1884
November ..	4.19	6.93	4.56	4.62	6.04	1.91	6.30	3.70	2.11	6.21	1832
December ...	5.24	6.79	5.03	2.00	7.71	5.57	3.37	2.40	4.78	4.53	1508
TOTALS ...	41.92	42.15	50.87	38.91	41.36	36.05	47.13 (3640)	NR	44.63	37.11	16527

1917 Total est'd from map & observations for Survey purposes.

SW. of House.

7

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

RAINFALL at Kirkby Malzeard Hambleton Hill

County of W. R. Yorkshire

Observer C. G. Hengell Esq C.E.

River Basin Ouse-Ure 12

(1925) H. Shattock Esq C.E.

In Glacier Rain Gauge, by
 8.05
 8.00
 7.95

S. beginning to
fall at sea level

1925 feet

Diameter ...	8										
Height	0.9										
Altitude ...	1106					1100	1106				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	5.27	8.29	6.85	2.14	3.47	2.76	5.26	3.04	9.91	1.27	6.14
February ...	4.50	2.7	3.46	5.40	7.80	5.40	3.80	1.69	4.37	2.00	2.12
March	2.95	2.19	3.28	2.68	1.85	2.01	1.38	3.26	(4.12)	1.44	2.88
April	6.79	1.25	4.52	3.45	1.75	3.83	1.89	3.13	(7.72)	1.94	3.82
May	4.65	1.13	1.10	3.40	5.70	5.63	2.73	2.33	2.22	1.73	1.41
June	1.17	.98	1.49	1.61	4.03	3.35	3.72	2.80	2.86	1.24	2.45
July	7.25	2.61	6.16	3.05	(4.98)	4.42	2.66	5.38	2.86	2.38	6.08
August	2.84	4.79	4.19	3.40	(3.00)	4.40	2.81	8.85	(4.31)	3.46	4.80
September...	1.05	3.01	3.99	4.58	4.33	2.56	2.89	5.27	(6.61)	1.32	6.48
October.....	3.53	1.97	2.26	3.57	(5.00)	2.33	4.10	4.80	6.49	3.70	3.53
November...	3.07	2.59	1.85	(5.33)	(3.42)	3.31	(7.55)	4.42	7.19	4.51	4.97
December...	2.60	3.36	4.81	4.08	4.40	2.54	1.43	3.35	5.09	8.16	2.40
TOTALS...	45.67	33.34	43.96	42.49	42.73	35.84	(40.22)	48.32	48.95	32.15	47.08

Dec 1925. short

Inspected 9th 5.VII.23. S. on open moor to west of road by bridge. S. in slight hollow with sufficient shelter all round. Good exposure.

1923. No. estimated from map. 0.61 common.

1924. July Aug. Oct & Nov. adjusted by sun. obs. for date of entering.

1926. Nov. adjusted for snow.

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 Kirby Malzeard (Hambleton H.) Hill

County of West Riding

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

River Basin Ouse -ire - 12

Elevation 1,100 ft. (1939)

Type of Gauge

Annual Average 39.7 in. based on 40 years obs. unweighted. Period of average 1881-1915 Ref. S

780902/27

Diameter	8.										
Height	0.9.										
Altitude	1106.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Total
January	2.46	4.21	1.32	3.12	2.50	5.37	6.77	6.24	8.15	1.55	4279
February	3.48	6.64	5.88	2.29	4.59	3.05	5.93	2.62	3.50	3.48	3346
March	.87	1.32	3.69	3.27	3.24	4.89	3.50	.89	3.12	2.64	2733
April	4.08	3.83	1.51	4.63	3.58	2.20	3.28	.54	2.20	2.63	2848
May	3.24	(6.20)	3.75	2.41	1.82	2.27	3.67	2.98	1.17	2.34	2905
June	4.73	(1.48)	2.55	1.59	3.71	5.85	1.86	4.48	3.26	1.46	2997
July	4.54	5.96	3.40	1.29	.98	4.62	2.81	4.29	4.83	4.50	3678
August	4.13	1.35	0.82	3.61	1.64	3.20	2.01	3.78	2.30	1.86	2280
September	5.34	2.93	2.30	2.70	6.52	3.37	1.84	2.09	2.02	2.01	3112
October	1.13	5.07	4.15	4.27	5.73	1.94	2.83	8.84	4.67	5.47	4410
November	6.21	2.11	3.92	4.04	8.12	4.93	2.25	6.64	1.20	5.26	4763
December	1.85	2.69	0.87	7.67	3.41	3.26	4.78	6.10	3.08	3.14	3685
TOTALS	42.06	37.79	35.06	38.89	43.84	45.31	41.03	49.49	42.60	34.34	41041

1932. May & June adjusted by surrounding stations.

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. 3380

RAINFALL at Kirby Malzeard (Habbleton Hill) ✓ 41

County of West Riding Observer K. L. Foster Esq.

River Basin Ouse - 12

Type of Gauge

Annual Average 34.7 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No. 780902/27

Diameter	3"	049	753								
Height	0' 9"		1								
Altitude	1106'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.62	4.01	4.01	4.55	4.57	4.02	2.81	9.28	1.54	2.39	4.180
February	7.82	4.28	2.84	1.70	4.80	2.95	(6.50)	2.76	2.70	6.89	4.324
March	5.83	2.98	1.83	1.83	1.20	1.47	8.53	1.45	1.36	1.74	2.722
April	3.15	1.69	2.35	2.61	2.05	1.79	5.30	3.49	4.10	3.20	2.971
May	2.31	2.38	3.59	1.05	4.15	3.93	2.95	1.13	1.53	1.62	2.464
June	1.14	1.26	2.92	2.32	3.45	2.34	4.24	3.54	.57	1.02	2.180
July	2.44	3.90	1.87	2.12	2.64	2.42	2.11	1.19	2.48	3.56	2.473
August	2.98	3.67	4.18	1.91	3.05	5.07	1.26	4.87	3.72	5.41	3.612
September	2.0	3.02	5.28	6.19	2.60	7.63	1.71	2.57	1.66	5.05	3.591
October	4.60	3.31	(2.61)	4.13	5.25	3.26	1.66	1.11	4.99	2.65	3.257
November	4.24	1.67	2.40	7.76	6.68	6.44	4.51	1.56	4.78	5.56	3.956
December	2.00	4.35	2.62	3.37	2.76	3.73	2.95	4.39	6.04	1.56	3.377
TOTALS	40.33	36.52	36.50	38.54	37.20	45.05	44.53	37.32	35.44	40.64	39.207

1947 Feb. snow

00044

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.

Station No. 3380 T.P. 41

RAINFALL at S. Kirkby Malzeard (Hambleton Hill)
 County of West Riding - Yorks. Observer K. L. Foster Esq.
 River Basin Ure - the - 12
 Type of Gauge Snowdon

Annual Average 39.7 in. based on 40 years obs. un-weighted. Period of average 1891-1915 Ref. S
40.81 " " 35 " " 1916-1950 P E 23380/58
 File No. 25/17 ✓ 02/17

Diameter	8"	049	753								Means
Height	0'9"			1							Totals
Altitude	1106'		57								
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	
January	3.13	2.77	1.32	2.44	2.94	4.81	3.73	3.65	4.83	5.37	35.29
February	3.66	.88	3.10	2.76	2.04	2.68	3.31	5.29	1.24	4.72	28.68
March	4.32	2.89	.82	2.47	2.66	1.56	3.04	2.43	2.42	3.37	25.98
April	2.56	1.75	2.50	.71	.83	2.18	.55	1.10	4.55	2.28	19.01
May	6.78	1.79	2.92	5.12	3.31	.79	1.67	6.52	1.13	2.11	32.14
June	1.19	1.40	3.16	2.52	2.91	3.29	1.47	4.04	1.39	1.22	22.59
July	1.56	1.61	3.83	2.71	1.13	5.35	3.23	3.00	1.75	6.17	30.34
August	5.26	5.01	3.55	7.36	1.36	8.12	6.86	4.67	.82	3.73	46.74
September	2.59	5.21	3.34	4.02	1.73	3.53	5.39	3.35	.27	3.92	33.35
October	1.83	5.58	3.16	7.52	2.48	1.90	4.18	3.92	4.01	8.55	43.13
November	9.23	2.90	3.48	8.98	3.04	.79	2.27	.90	6.13	6.31	44.03
December	5.65	2.41	2.04	4.48	4.41	3.82	3.27	5.83	7.21	4.72	43.84
TOTALS	47.76	32.30	33.22	51.39	28.84	38.82	38.97	44.70	34.75	52.47	405.12
	W	W	W	W	W	W	W	W	W	W	

1956 Aug 31 - Sept 2 amended - Eng Confirms error occurred 27/4/57
 July 1958 J. B. K. One surface ad. due to Turf-wall fair. Read on Sunday. Monthly totals interpolated by engineer

§ Turf-wall

Position of Station on Ordnance One-Inch map : No. of Map 91 National Grid Reference SE 160 750

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
	10-16, 18-19	✓	✓	✓	