

RAINFALL AT Kirkby Malzeard Hambleton Hill

Lat. _____

Lon. _____

County of _____

York W.R.

Rain Gauge, by _____

Observer J. Henson Esq. C.E.

Use - Use 12

Diameter	8										
Height	0 9										
Altitude	1106										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.92	2.89	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	3.194
March	3.80	2.22	2.88	2.39	5.15	4.99	5.49	7.19	1.54	1.05	3.640
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	.90	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	3.585
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	41.033

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

RAINFALL AT

Kirkby Malzeard Hambleton Hci

Lat.

Lon.

County of ..

York W.R. Northam

Rain Gauge, by ..

Observer ..

T. Newson Esq C.E.

C. F. Henzell Esq C.E.

no-12.

Diameter ..	8											
Height	0 9											
Altitude ..	1106 π											
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	.39	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	5.02	5.92	5.54	5.34	2.17	.63	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	40.360	255

H.W.B.

049753

RAINFALL at Kirkby Malzeard Hambleton Hill

County of W Yorkshre

Observer C. G. Hensell Esq C.E.

River Basin Great Ouse 12

Rain Gauge, by _____

Diameter ...	8										
Height	0 9										
Altitude ...	1106 π										
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	5.15	4.51	1636
February ...	3.64	4.19	1.62	3.67	3.54	5.78	3.75	80	0.40	2.29	1224
March99	2.47	4.62	6.08	2.25	1.65	5.16	2.50	2.30	3.84	1382
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	3.86	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	31.05	47.13	NR (3640)	44.63	37.11	16527

1917 Total est'd from map & env'g stations for survey purposes.

68 of 1000 ft.

7

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

RAINFALL at Pirby Malzeard Hambleton HillCounty of N. YorkshiresObserver C. S. Hensyell Esq. C.E.River Basin Cuse- Ure 12(1925) H. Shortland Esq. C.E.Rain Gauge, by Cu Glaisherdownfall Lead8.05
8.00
4.95S. beginning to
look at season.

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	6440	
February ...	4.50	4.7	3.46	5.40	.80	5.40	3.80	1.69	4.37	2.00	2.12	3401	
March	2.95	2.19	3.28	2.68	1.85	2.01	1.38	3.26	(4.12)	.44	2.88	2704	
April	6.79	1.25	4.52	3.45	1.75	3.83	1.89	3.13	(.72)	1.94	3.82	3309	
May	4.65	1.83	1.10	3.40	5.70	5.63	2.73	2.33	2.42	1.73	1.41	3293	
June	1.17	.98	1.49	1.41	4.03	.35	3.72	2.80	2.86	1.24	2.45	2250	
July	7.25	2.61	6.16	3.05	(4.98)	.42	2.66	5.38	2.86	2.38	6.08	4283	
August	2.84	4.79	4.19	3.40	(3.00)	4.70	2.81	8.85	(4.31)	3.46	4.80	4715	
September...	1.05	3.01	3.99	4.53	4.33	2.56	2.89	5.27	(.61)	1.32	6.48	3609	
October	3.53	1.97	2.26	3.57	(5.00)	2.33	4.10	4.80	6.49	3.70	3.53	4128	
November...	3.07	2.59	1.85	(5.33)	(3.42)	3.31	(7.55)	4.42	7.19	4.51	4.97	4821	
December...	2.60	3.36	4.81	4.08	4.40	2.54	1.43	3.35	5.99	8.16	2.40	4022	
TOTALS...	45.67	33.34	43.96	42.43	42.73	35.84	40.22	48.32	48.95	32.15	47.08	46075	

Dec 1924. thick

Inspected 7.5. VII. 23. S. on open wood to north of road by bridge. S. in slight hollow with sufficient shelter all round. Good exposure.

1923. No estimate from map. Obs. correct

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.

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

RAINFALL at Kirby Malzeard (Hambleton H. Hill)

County of West RidingObserver H. Shortreed, Esq., etc.River Basin Ouse - Ure - 12R. W. Farnley Esq., C.E. (1939)

Type of Gauge

Annual Average 39.7 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref 3

780902/27

Diameter	8.											
Height	0.9.											
Altitude	1106.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	2.46	4.21	2.32	3.12	2.50	5.37	6.77	6.24	8.25	1.55	42.79	
February	3.48	.64	5.88	.29	4.59	3.05	5.93	2.62	3.50	3.48	33.46	
March	.87	1.32	3.59	3.27	3.24	4.89	3.50	.89	3.12	2.64	27.33	
April	4.08	3.83	1.61	4.63	3.58	2.20	3.28	.54	2.20	2.63	28.48	
May	3.24	(6.20)	3.75	2.41	.82	2.47	3.67	2.98	1.17	2.34	29.05	
June	4.73	(1.48)	2.55	1.59	3.71	5.85	1.86	4.48	3.26	.46	29.97	
July	4.54	5.96	3.40	1.29	.98	4.68	2.31	4.29	4.83	4.50	36.78	
August	4.13	1.35	0.82	3.61	.64	3.30	2.01	2.78	2.30	.86	22.80	
September	5.34	2.93	2.30	2.70	6.52	3.37	1.84	2.09	2.02	2.01	31.12	
October	1.13	5.07	4.15	4.27	5.73	1.94	2.83	8.84	4.67	5.47	44.10	
November	6.21	2.11	3.92	4.04	8.12	4.93	2.25	6.64	4.20	5.26	47.68	
December	1.85	2.69	0.87	7.67	3.41	3.26	4.78	6.10	3.08	3.14	36.85	
TOTALS	42.06	37.79	35.06	38.89	43.84	45.31	41.03	49.49	42.60	34.34	410.41	

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	Direction

Station No. T.F. 3380RAINFALL at Kirby Mabeard (Hambleton Hill)

41

County of West Riding Observer K. L. Forster Esq.River Basin Ouse - Ure - 12

Type of Gauge.....

Annual Average 34.7 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 780902/27

Diameter	3"											
Height	0' 9"											
Altitude	1106'											
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	4.89	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	3.47	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	.68	6.44	4.51	1.56	4.75	5.55	3.956	
December	2.00	4.35	2.62	3.37	2.76	3.73	2.95	4.39	6.04	1.86	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. incl. for 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.

BRITISH RAINFALL ORGANIZATION

Station No. 3380 T.C. 41RAINFALL at § Kirby Walstead (Hambleton Hill)

51

County of West Riding - Yorks. Observer H. D. Straker Esq.River Basin Don - the 12Type of Gauge SnowdonAnnual Average 39.7 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref. S
40.81 " " " 35 " " 1916-1950 1916-1950 P E23380/58
File No. 758/02/17

Diameter ...	8"		0.49	7.53								
Height ...	0'9"			1				1'0"				
Altitude ...	1106'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	1949-60
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	.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	.91	.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
 High SE 1956 1.65"K. One exposed all directions. Turf-wall fixed. Road 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 160 730

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