

RAINFALL at

Horbury

addingford Hospital

10

County of W.R. Yorkshire

Observer

J.H. Horrofall Esq

River Basin

Grave Aine Calder 8

Rain Gauge, by Reginald Brown
2nd ed.

Diameter ...				8							
Height				2 0							
Altitude ...				200							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...				2.58	1.51	2.87	.93				
February ...				.54	1.34	2.71	4.16				
March				2.97	2.08	1.02	4.03				
April				2.62	.70	.87	1.05				
May				1.76	1.13	1.86	2.35				
June .....				.56	2.27	1.40	1.40				
July .....				.98	2.79	3.92	1.53				
August				1.14	1.74	3.87	1.53				
September ..				2.18	1.18	.57	1.72				
October ...				3.40	2.03	1.24	3.32				
November ..				1.60	2.59	2.15	3.12				
December...				1.25	4.71	5.55	1.94				
TOTALS ...				21.58	24.07	28.03	27.08	NR			

1913 Buildings 18 ft high 20 ft S

Hyd Sta. No. 39-079905
NGR: SE (44) 293° 177°

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52.2.	1.3.	Horbury	1/2 m	W	St Peter's Horbury	1/2 m	N

RAINFALL at Horbury Addington HospitalCounty of W. YorksObserver J. H. Horsfall EsqRiver Basin Guse-Aire-Galder &Sanitary Inspector HorburyGlaisher Rain Gauge, by Reynolds & Branson
heads.

Diameter ...	8										
Height	1	6	2	0						1	0
Altitude ...	150	200		89	229	189	169				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 <u>1930</u>
January ...	2.76	2.53	2.83	1.01	1.32	2.47	2.66	1.87	4.05	1.10	3.88
February ...	2.15	1.16	2.26	3.79	.81	4.78	1.64	1.37	2.84	.29	.72
March	1.44	.87	1.54	1.53	.73	1.35	.76	2.15	2.02	.20	2.76
April	3.15	.85	2.94	1.68	1.41	2.79	1.13	2.27	1.19	.98	1.86
May	3.40	1.05	1.10	2.60	3.81	2.95	2.81	1.80	2.57	1.37	1.33
June	2.17	.19	1.35	.53	1.85	.08	2.46	2.45	3.74	1.26	1.02
July	4.99	.55	3.32	3.69	2.24	1.11	2.83	3.70	.76	2.19	3.58
August	1.21	4.30	5.70	3.05	2.55	2.42	3.05	5.22	3.45	2.29	4.08
September...	1.33	.73	4.19	1.74	2.24	2.86	1.29	4.09	.53	.70	3.95
October	1.98	1.34	.67	1.74	4.12	3.31	3.07	1.97	4.29	2.00	3.09
November...	.72	1.79	1.31	2.88	1.39	1.67	4.46	3.28	3.37	4.65	2.95
December...	2.28	3.27	3.24	1.80	2.49	2.68	.81	1.76	1.56	5.32	2.18
TOTALS...	27.78	17.93	30.45	26.04	24.96	28.47	27.47	31.93	29.57	22.35	31.40

1920 Buildings 13 ft high 27 ft W
 1921 20 ft 18 ft SW
 18 24 "

Hyd Sta. No. 39-079905

NGR. 8E (44) 893⁵177⁰Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge
1920 1921	52° 2'	1° 3'	Horbury	1/2 mi W 1 mi	Horbury	1/2 mi N NE

RAINFALL at Horbury (Addingford Hos.)County of West Riding, Observer J. H. Horsfall, Esq.River Basin Ouse-Aire-Calder 8Type of Gauge GlaisherAnnual Average 23.2 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. 5

81329727

Diameter	8.											
Height	1.0.											
Altitude	169.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Totals	
January	1.82	1.65	1.64	1.43	1.22	3.23	3.66	2.50	5.26	2.70	25.11	
February	2.90	.21	5.34	.29	2.24	2.70	4.81	.78	1.36	2.38	23.01	
March	.41	1.43	1.82	1.97	.83	1.82	2.50	.39	1.87	2.18	15.22	
April	3.65	2.64	1.30	2.64	2.74	1.08	2.98	.06	1.23	2.32	20.64	
May	2.37	4.98	1.94	.93	.36	1.26	2.98	2.78	1.46	.46	19.52	
June	4.83	.33	1.04	1.77	2.24	3.78	1.05	1.72	1.73	.43	18.92	
July	2.86	2.61	2.33	1.74	.82	3.24	2.76	4.29	6.00	2.49	29.14	
August	4.37	1.30	0.55	.97	2.99	1.70	.69	3.70	1.15	.56	17.98	
September	3.52	1.28	1.59	2.05	3.65	2.73	1.19	2.43	1.23	1.88	21.55	
October	1.09	2.99	3.65	1.71	5.10	2.58	2.56	4.10	2.44	3.37	29.59	
November	3.78	1.14	1.87	1.98	4.47	3.70	1.83	3.27	3.93	4.71	30.73	
December	1.04	.68	0.34	4.08	2.41	1.53	1.78	3.29	1.71	1.51	18.37	
TOTALS	32.64	21.24	23.41	21.56	29.07	29.25	28.84	29.31	29.37	24.99	269.78	
	D	D	D	D	D	D	D	D	D	D	D	

1931. Hospital buildings 18' high 24' SW
 1940 Jan. adj for snow.

Hyd. Sta. No. 39-079905
 NGR SK (46) 295177°

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Horbury LMS	1 mile	W	Horbury, SP. BLS.	1 mile	NE

METEOROLOGICAL OFFICE,

RAINFALL

Station Horbury, Addingford Hospital

No. 39-079905

County WEST RIDING YORKSHIRE

(Old No. _____)

Authority J. H. Horsfall

Grid Ref. SE (44) 293^S 177^E

Altitude 169 ft.

River Basin OUSE

File 813297/27

TF _____

| MWR | m | a

Tributary CALDER, AIRE

YEAR	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January ...	4.20	2.29	3.44	3.23	2.86	2.58	2.87				
February ...	3.22	1.26	1.17	1.41	2.38	4.44	3.58				
March ...	3.79	1.94	.74	.30	.72	1.88	5.89				
April ...	1.80	1.21	1.71	1.75	2.15	1.97	3.09				
May ...	1.57	2.56	2.35	2.14	4.87	2.14	#				
June ...	.21	1.22	1.53	1.43	3.20	2.87					
July ...	2.81	1.64	1.35	2.52	2.18	3.48					
August ...	2.62	2.86	2.45	3.54	3.29	4.45					
September ...	.50	1.27	3.11	4.57	1.24	5.20					
October ...	2.74	2.26	1.93	2.50	4.54	1.49					
November ...	3.10	1.39	2.25	5.15	.44	5.67					
December ...	.57	1.37	1.51	2.71	1.76	2.81					
TOTAL ...	27.13	21.27	23.54	31.25	29.63	38.98					
Percentage	2	2	2	2	2	2.00					

AVERAGE ANNUAL RAINFALL

1881-1915 23.20 in.

Actual

Estimated from data for:-

1916-1950 _____ in.

1941-1970 6675 mm in.

14 yrs. (5)

Type and capacity of gauge 8"

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

1941. Hospital buildings 18' high 23'

Records have shown an excess over nearby stations for some years.

{ Ry. Sta. { Parish Church
{ Horbury L.M.S. 1 mile W. { St Peter's 1 mile NE.

Earliest year with complete data (D : W : M) 1913

*NOTES on years with incomplete or unsatisfactory data:-

NP 1947 inc.

*Each note to be dated. Continue notes overleaf if necessary.

Belfast 3/63:500:KW

Proforma for retrospective data