

RAINFALL at Heversham Plumtree Hall

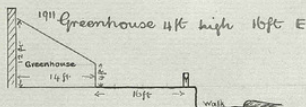
County of Westmorland

Observer J. Garrick Watson Esq

River Basin Kent 3
Miss M. C. Watson 1919.
Smoodon Rain Gauge, by _____

Diameter ...	5										
Height	0 8										
Altitude ...	125π	115π									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919 MEANS Totals
January ...	4.81	2.84	4.86	4.43	4.61	5.96	5.87	2.59	5.77	6.53	20.46
February ...	4.53	5.58	3.40	3.15	5.17	6.16	4.58	1.42	5.55	1.88	13.40
March	1.52	1.52	6.92	5.05	5.57	2.17	1.70	2.50	2.68	4.21	11.09
April	2.12	3.69	.96	4.91	1.23	2.68	2.65	1.78	1.53	2.15	8.11
May	2.15	2.23	2.49	2.68	2.42	1.24	4.05	2.86	2.36	1.98	11.25
June	1.83	3.02	6.73	3.36	.86	.68	2.16	3.29	2.22	2.39	10.06
July	3.93	.73	5.76	.71	3.88	5.39	4.18	2.03	6.13	1.33	13.67
August	6.52	4.63	5.32	2.31	4.06	4.89	3.32	11.08	4.88	4.64	23.59
September ..	.52	4.45	1.61	2.97	4.14	.76	2.70	4.41	12.09	4.54	23.74
October ...	2.10	6.05	5.74	3.73	2.21	1.36	8.58	8.25	6.60	2.40	25.83
November ..	4.74	7.08	6.21	5.80	6.49	2.59	5.00	5.06	2.82	3.06	15.94
December ...	3.88	7.52	6.20	3.49	6.78	7.10	4.56	2.56	7.99	7.51	22.42
TOTALS ...	38.65	49.34	56.20	42.59	47.62	40.98	49.35	47.83	60.29	42.09	199.56

1911 g. moved 10 yds S 1. IV. 12



Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Heversham	1030 yds	S	Heversham	220 yds	S

RAINFALL at Heversham Plumtree HallCounty of WestmorlandObserver Miss M. C. WatsonRiver Basin Glent 3Snowdon Rain Gauge, by
1925 B.A.

Diameter ...	5"											
Height	0.8											
Altitude ...	115											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	1920-30 Totals
January ...	5.81	7.06	4.26	4.26	4.21	4.07	5.84	4.40	11.99	2.46	8.26	64.62
February ...	3.75	.25	5.21	5.95	.73	5.35	7.24	3.81	5.27	1.55	.88	39.69
March	5.68	5.48	2.56	2.53	3.04	1.34	2.02	3.96	3.70	1.33	3.29	35.23
April	5.78	1.63	2.00	3.33	2.56	3.79	1.89	2.45	2.00	1.86	2.13	29.42
May	6.71	3.44	3.38	3.63	7.30	5.77	2.34	2.38	1.01	2.88	1.76	40.60
June	2.07	.36	2.77	.91	3.33	.32	3.94	4.57	7.92	2.28	2.04	30.51
July	7.35	1.81	6.07	4.62	5.19	2.90	5.15	4.72	7.80	4.79	4.41	54.81
August	2.57	8.02	5.61	8.08	3.85	5.36	4.03	5.45	7.48	7.95	6.49	67.89
September...	3.19	2.15	3.97	5.33	6.73	3.90	5.11	6.94	3.72	1.78	2.40	45.42
October	1.53	3.07	1.22	8.33	4.91	5.46	3.97	4.78	6.73	6.89	7.95	53.94
November...	2.75	3.34	3.11	7.74	3.92	2.45	6.28	6.71	8.92	10.12	5.75	61.09
December...	4.95	6.85	5.99	5.17	8.46	4.19	1.36	1.19	4.22	7.25	4.48	54.11
TOTALS...	52.14	45.46	46.45	59.38	54.23	45.10	44.17	54.36	70.16	52.84	49.54	577.33

1925 3.86. 8 N.

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
1920			Heversham	1/2 mi	S	Heversham	220 yds	S

RAINFALL at Heversham (Plumtree Hall)County of Westmorland,Observer Miss M. C. Watson,River Basin Kent - 3.Type of Gauge B.A. M.O. (1938)Annual Average 45.7 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. S
1944/30.

Diameter	5.							5			
Height	0.8.							1.0			
Altitude	115.							about 120			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	4.16	6.28	3.95	6.20	1.63	5.01	3.33	4.78	4.59	2.18	42.11
February	4.78	.04	4.22	.21	5.71	2.18	6.24	1.91	3.33	1.96	30.58
March	.80	2.95	3.04	2.74	1.53	2.55	1.59	1.63	1.74	4.41	23.01
April	2.66	2.88	2.16	3.35	4.05	.78	4.16	.47	1.71	2.05	24.27
May	2.40	5.78	2.62	4.99	.45	1.43	2.69	3.88	.92	1.13	26.29
June	7.88	2.03	1.73	2.95	4.94	3.91	3.12	4.22	3.31	.98	35.07
July	6.48	5.81	3.44	2.51	2.00	4.35	3.52	5.96	6.74	5.75	46.56
August	3.40	2.57	3.24	4.69	4.02	3.85	2.75	4.07	2.68	1.24	32.51
September	2.06	5.46	.80	6.11	9.82	7.02	4.48	2.15	1.80	3.34	43.04
October	4.34	8.26	5.36	6.67	6.63	3.77	2.29	9.63	1.84	5.04	53.93
November	9.45	3.84	2.39	1.32	4.49	5.02	1.69	5.80	6.65	4.17	44.82
December	5.12	4.79	1.05	7.63	3.34	6.69	3.34	4.63	2.80	3.78	43.17
TOTALS	53.53	50.79	34.00	49.37	48.61	46.36	39.20	49.13	38.14	36.03	445.36
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1938 - new gauge from Jan 1st. "in a rather better position."

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.			Heversham	1030 yds.	S.	Heversham	220 yds.	S.

Station No. 3712

RAINFALL at Heversham (Plumtree Hall) 41County of Westmorland Observer Miss M.C. Watson *died Sept, 1946*River Basin Kent - 3 Miss Lilian WatsonType of Gauge M.O.Annual Average 45.7 in, based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 1944/30

Diameter	5"	5.84	9.58								
Height	1' 0"		1	3' 7"		1' 0"		3' 7"	1' 0"		
Altitude	120		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.18	4.56	6.74	4.39	3.09	4.32	4.53	8.14	2.51	2.24	41.70
February	3.71	1.62	2.02	1.76	4.94	3.29	.57	2.67	2.28	4.91	27.77
March	2.83	3.16	.32	.42	2.13	1.54	5.28	2.65	1.72	2.41	23.06
April	1.19	1.89	2.44	2.75	2.16	1.49	3.79	1.98	4.07	2.58	24.34
May	3.44	3.72	5.37	2.46	3.91	1.96	3.44	2.03	2.92	1.85	31.10
June	.45	1.12	3.40	2.82	3.88	3.96	3.52	6.80	.95	2.64	29.54
July	3.18	4.06	5.02	3.85	2.83	4.79	4.02	1.99	4.16	4.72	38.62
August	3.80	4.68	7.18	3.63	1.41	5.09	.21	4.87	2.76	7.78	41.41
September	1.66	5.39	4.99	5.64	3.91	6.82	3.84	5.77	2.00	8.34	48.56
October	6.51	4.59	5.32	4.73	5.29	1.19	.60	3.11	6.71	4.00	42.05
November	2.63	1.24	2.51	7.65	.20	6.26	6.28	4.21	6.32	4.65	41.95
December	1.90	4.69	2.25	3.68	2.77	5.07	2.21	3.57	5.77	2.64	34.55
TOTALS	32.48	40.72	48.16	43.78	36.52	45.78	38.29	42.79	42.17	48.96	424.65

ft. Gauge on steep grass near well which drops to field below. (50 is 1 ft above ground on which P.S. stands)

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Heversham	1020 yds	S	Heversham	220 yds	S.

BRITISH RAINFALL ORGANIZATION

Station No. 3712RAINFALL at Haverham (Plumtree Hall)

51

County of Westmorland Observer Miss Lillian WatsonRiver Basin Hart-3Type of Gauge M.O.Annual Average 45.7 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 1944/30

Diameter ...	5"	584	956	4							
Height ...	1' 0"		1	3' 7"							
Altitude ...	120'		51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.22	3.13	2.19	3.67	2.76	4.07	5.03	4.49	3.27		
February ...	3.40	1.07	1.82	3.06	1.50	.65	4.02	5.07	1.50		
March ...	4.89	2.89	.48	2.43	1.39	1.10	3.22	1.37	2.52		
April ...	1.85	2.14	2.39	1.19	2.62	1.23	1.01	1.36	4.14		
May ...	1.63	2.65	2.17	3.26	2.90	2.38	3.49	5.38	1.51		
June ...	.97	3.53	3.03	4.57	4.17	2.00	2.12	3.84	6.32		
July ...	3.04	2.30	5.15	5.25	1.62	5.01	3.23	3.42	5.26		
August ...	4.20	4.62	4.19	5.76	1.88	8.54	4.11	4.87	.57		
September ...	4.53	3.41	5.77	7.34	2.62	3.46	5.21	6.77	.92		
October ...	.83	3.12	1.87	8.89	2.32	3.70	7.05	5.49	4.46	x	
November ...	7.37	1.85	5.45	7.59	2.32	1.36	1.52	1.04	5.34		
December ...	5.26	4.69	2.70	5.93	5.19	4.46	4.37	3.69	8.06		
TOTALS ...	46.19	36.30	37.21	58.94	31.12	37.96	44.38	47.39	43.87		
	D	D	D	D	D	D	D	D	D		

* Gauge stands on steep ground near wall which seems to fill below (It is 1 ft above ground on which it stands)
 1954 Ref. to query dated new rim height to be as shown.
 1955 Low, but accept.
 1959 Terminated. Observer is 87 and feels it is time to cease reading rainfall.

in. An. 49.14 in. based on 21 yrs obs. 1916-37. Does not fit after '37. Period Jan. 1916-50. Ref. S. - Rejected

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD(34)491836

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Hildenthorpe	2 1/2 mi E	Hildenthorpe	220 yds S

Summary of Earlier Records from 10-year Sheets :

1916-1950 P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓	✓	✓	✓	