

Starlow Hill = Harrogate
6 May Avenue

RAINFALL AT HARROGATE

Lat. _____ Lon. _____ County of York N.R.

Rain Gauge, by _____

Observer H. G. Paul Esq

ouse Nid 11

Diameter										5	
Height										10	
Altitude										589	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January											
	4.48	1.13	2.57	2.28	3.44						
February											
	38	.81	2.99	2.34	1.90						
March											
	2.06	3.34	3.84	1.05	1.58						
April											
	2.21	1.49	2.13	3.04	2.24						
May											
	1.66	.41	.55	1.15	2.45	4.06					
June											
	3.52	2.77	4.74	4.83	1.92	1.79					
July											
	3.21	6.59	1.75	.68	.95	2.31					
August											
	2.68	3.10	2.23	4.07	3.59	1.29					
September											
	.85	1.22	4.23	3.38	1.11	3.32					
October											
	4.05	4.89	3.66	1.87	4.69	3.08					
November											
	1.55	4.53	1.62	2.19	3.43	1.51					
December											
	2.13	3.05	4.99	3.45	3.20	3.25					
TOTALS											
	35.69	30.54	33.15	30.05	29.77						

Harlow Moor Observatory

RAINFALL AT HARROGATE, HARLOW-HILL OBSERVATORY

Lat. 54° 0' N.

Lon. 1° 36' W.

County of York wr. Northern

Sundays
Wind - II.

Rain Gauge, by E.I.T.

Observer C. Paul Esq

T. J. Ainsorley C.E. Rivers Esq

Diameter ..	5										
Height ..	1.0										
Altitude ..	480										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.28	1.75	1.60	2.31	2.82	.99	5.04	1.40	1.56	1.25	203.00
February ..	5.53	1.41	1.34	3.01	4.17	1.70	2.33	2.09	1.85	.78	214.21
March ..	.73	2.30	1.16	3.85	2.01	2.75	2.01	2.28	3.86	4.46	215.41
April ..	1.89	2.55	1.56	1.41	1.69	2.46	.84	1.50	2.75	2.87	195.21
May ..	1.52	.78	2.67	4.05	3.02	.71	2.37	4.91	2.87	1.78	214.68
June ..	3.71	1.48	1.97	2.21	1.76	1.38	1.40	3.33	1.04	3.40	216.68
July ..	3.28	1.44	2.41	3.37	3.11	1.30	1.75	2.15	2.69	3.77	215.27
August ..	5.35	1.37	2.98	3.07	3.77	4.15	3.24	1.89	1.90	3.41	211.13
September ..	.61	1.00	1.21	4.31	1.21	1.96	.71	1.03	2.55	1.84	164.43
October ..	3.58	1.88	3.75	8.50	.76	1.70	5.14	7.52	1.82	2.41	370.6
November ..	3.84	4.46	1.93	1.75	4.31	4.85	3.76	2.83	1.60	.97	303.0
December ..	3.46	3.91	2.55	1.71	1.79	.56	2.27	3.52	1.52	5.03	216.32
TOTALS ..	37.78	24.33	25.13	39.55	30.42	24.51	30.86	34.45	26.01	31.97	30.501

H.W.

1906 St Mary's Church
Harrogate Station
No obstruction

1/4 mile SE 1908
1/2 mile E
1/2 mile NE 1910

Total height 30.89.

RAINFALL at Harrogate Harlow Moor Observatory

County of W.R. Yorkshire

Observer C. R. Rivers Esq. CB.

River Basin River Nidd 11

Rain Gauge, by N+3

Diameter ...	5											
Height	1.0											
Altitude ...	480 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. TOTALS	
January ...	4.17	1.31	4.64	4.51	1.59	4.11	1.54	2.93	2.82	4.13	11.42	
February ...	3.04	2.59	2.35	99	1.57	3.72	4.06	.80	3.32	1.92	10.13	
March59	1.57	3.77	3.49	2.70	.98	4.35	3.10	1.22	4.16	12.83	
April	2.72	1.36	.81	3.17	1.13	1.28	1.53	1.97	.77	1.63	5.90	
May	2.46	.97	3.33	2.15	1.29	1.67	0.07	1.95	2.97	1.46	9.45	
June	2.95	2.80	6.90	1.40	2.15	.78	1.78	1.68	.71	1.44	5.61	
July	3.25	.47	5.02	1.02	4.90	3.74	1.95	1.27	4.11	2.36	9.69	
August	4.14	2.97	5.64	1.10	1.36	2.21	1.83	7.75	3.10	3.34	15.02	
September ..	2.24	2.82	1.91	1.27	1.46	.79	1.95	.72	7.15	1.12	10.94	
October ...	3.74	3.09	3.27	2.82	2.17	1.34	5.46	4.30	1.77	3.31	14.84	
November ...	3.69	3.42	1.82	2.50	4.29	1.85	2.94	3.10	1.61	2.13	9.68	
December ...	3.09	4.55	2.84	2.21	6.61	6.87	2.20	1.62	5.31	4.39	13.52	
TOTALS ...	34.08	27.92	41.80	26.63	31.22	29.29	32.66	31.22	34.76	30.39	129.03	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	54°	1.36 W	Harrogate	1 m	N E	St Marys	4 m	E SE

RAINFALL at Harrogate Harlow Moor Observatory

County of W. R. Yorkshire

Observer C. E. Rivers Esq C.E.

River Basin Guse. Nidd 11

Boro Singh Harraga

M.O. Rain Gauge, by N.S.F.

Diameter ...	57											
Height	10											
Altitude ...	480	478										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
											M20-3 Totals	
January ...	4.33	3.96	3.98	1.64	2.32	2.63	3.00	2.24	6.56	1.41	5.02	37.99
February ...	2.19	1.14	3.28	5.46	.97	4.34	2.36	1.18	2.87	.73	.87	24.39
March	2.56	1.96	2.08	1.56	1.59	.83	1.20	1.78	2.72	.50	2.39	19.17
April	4.46	1.26	3.15	2.26	1.89	4.02	1.24	1.60	0.80	1.14	2.75	24.57
May	2.72	1.85	1.10	3.39	4.73	4.27	2.10	1.80	2.10	1.33	1.39	26.78
June	1.71	1.17	1.57	92	2.66	.03	3.25	2.72	5.03	1.10	1.61	20.67
July	6.14	1.43	5.00	2.76	3.73	1.39	2.12	4.52	.70	2.91	4.51	35.21
August	1.62	3.86	5.95	3.82	3.31	2.25	2.80	8.69	5.67	2.17	3.64	41.78
September...	.97	.92	3.37	2.46	3.13	2.51	1.29	3.72	.37	.41	4.08	23.28
October.....	3.47	1.72	.96	3.72	3.87	3.46	3.33	2.83	5.09	3.02	2.35	33.52
November...	1.58	2.49	1.14	3.57	2.54	1.96	5.47	2.69	3.42	3.93	4.50	33.29
December...	3.18	3.83	3.73	3.47	3.26	3.97	.87	2.33	1.49	5.78	2.78	34.69
TOTALS...	34.93	23.59	35.31	35.03	33.60	31.66	29.03	36.10	34.82	24.43	35.89	354.39
	P	D	D	P	D	D	D	P	D	D	P	

qd. 2.VII.23. 8 in. x 5 in. gauges alongside in enclosure in public park
taller reulted. Height of 470 ft. in concrete (file 565049/25 (no. 2)).

Position 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 from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	54° 36'	1° 36'	Harrogate	1 1/4 mi	N E	St. Mary's	1/4 mi	E

RAINFALL at Harrogate (Harlow Moor Obey) M.W.R.

County of West Riding

Observer C.E. Rivers, Esq., C.E. died 1927

River Basin Ouse - Nidd - 11.

L. H. Clarke, C.E.

Type of Gauge Snowdon + (FA)

Borough Corporation (1928)

Annual Average 30.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Begn.

Diameter	5.												
Height	1.0.												
Altitude	478.												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Mean 109.1		
January	1.80	2.24	1.96	2.12	1.61	4.26	3.57	3.99	4.74	2.48	28.77		
February	2.39	2.27	6.09	3.30	3.30	2.44	5.03	1.64	2.70	1.90	26.06		
March	7.8	1.79	1.64	2.61	1.85	2.49	2.32	1.19	2.05	1.93	16.65		
April	3.24	2.40	1.24	3.03	2.12	1.65	3.12	1.11	1.39	2.30	21.20		
May	3.20	4.67	2.94	1.52	1.16	2.11	3.01	3.10	1.02	1.86	23.59		
June	5.42	5.7	1.14	2.52	3.04	4.46	1.37	2.84	1.74	1.32	23.42		
July	3.14	3.87	2.30	1.27	1.60	3.97	2.03	3.82	5.81	5.21	31.92		
August	3.45	1.47	0.32	1.46	1.88	1.93	1.76	3.69	2.06	1.56	17.58		
September	5.56	2.56	1.96	2.23	5.75	2.29	1.19	2.51	1.96	1.96	27.00		
October	1.89	3.61	3.68	2.48	5.16	1.70	2.22	5.44	2.92	3.21	31.30		
November	4.92	2.22	2.65	2.28	5.30	3.20	1.56	3.52	4.11	4.19	33.95		
December	1.20	1.21	0.58	6.03	2.30	2.22	2.66	4.65	2.11	2.77	25.73		
TOTALS	35.99	26.88	26.50	28.45	32.96	32.72	28.84	35.50	31.64	27.69	307.17		
	D	D	D	D	D	D	D	D	D	D	D		

1931. Thermometer screen 5' high 10' N.

1938. Rim rather "jagged". Inspected 8th July.

1938. Clump of ferns removed from vicinity of gauge (27/8)

Gauze screen 5'6" high 12' S.W.

+ Inspected 1939 6" aneroid gauge in operation

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
1931			Harrogate	1 mile	NE	St Marys	200 yds
1938					NE/E		285

Station No. 3357

MWR

RAINFALL at Haworthgate (H. and L. M. & C. Bay)

41

County of West Riding Observer Barnsley CorporationRiver Basin Don NiddType of Gauge Snowdon + (A)

Annual Average 32.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.C.N.

File No. F698347

Diameter	5"	058	530								
Height	" 0"		1								
Altitude	478'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means 1941-50
January	3.83	3.93	3.70	3.59	3.70	3.61	2.77	6.94	.99	1.88	34.97
February	4.30	1.87	1.28	1.30	3.71	3.45	3.19	1.84	1.35	5.44	27.73
March	3.20	2.28	.81	.32	1.04	1.36	6.48	1.37	1.00	1.10	18.96
April	2.09	1.48	1.26	2.64	2.05	1.78	3.40	2.50	2.45	2.78	22.43
May	1.60	2.72	2.06	.85	2.22	2.98	4.01	.98	1.88	2.15	21.48
June	.23	.94	2.14	2.77	3.08	2.87	3.79	3.61	.80	1.55	20.18
July	2.93	2.02	1.39	3.32	2.02	3.73	3.52	1.10	2.54	3.03	25.60
August	2.96	2.38	2.65	3.13	3.21	4.42	.88	4.29	2.35	4.16	30.23
September	.39	1.75	3.03	4.93	1.67	5.85	1.96	1.80	.85	3.19	25.48
October	3.96	2.28	1.55	2.77	4.24	1.91	1.10	1.01	3.15	1.73	23.70
November	2.95	1.23	2.23	5.58	4.6	6.19	2.95	1.11	4.04	3.70	30.44
December	.86	2.29	1.54	3.13	2.04	2.42	2.47	3.01	4.07	1.78	23.60
TOTALS	29.09	25.17	23.64	34.39	29.44	39.97	36.55	29.59	25.47	31.79	101.5 305.10

+ Inspected 1939 6" autographic gauge in position
 Inspected by Mr. Zobel 1.10.48. Rim of gauge bent, at 8½ in above ground. To be rectified.
 Trees to W & S too near. Nearest 35' is 15 yds away.
 Trees lopped 3.11.48

1943 low - 1950. 1950. Inspected by Mr. Zobel 24/10/50. Below

27 3. 3 1
6 4 6

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

Station No. 3357

M.W.R. (12)

51

RAINFALL at Harrogate (Harlow Moor Obs.)County of West Riding - Yorks. Observer CorporationRiver Basin Dove - Ridd - 11Type of Gauge SnowdenAnnual Average 30.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.F.N.File No. E 098347

Diameter ...	5"	058	530								
Height ...	1' 0"			1							
Altitude ...	478'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.49	2.96	50								
February	2.84	45	2.05								
March	3.53	2.14	.64	#							
April	1.19	1.30									
May	5.88	1.53									
June	1.09	1.87									
July	2.16	1.46									
August	5.61	3.09									
September	2.28	3.52									
October	.87	3.32									
November	7.24	1.57									
December	3.09	1.97									
TOTALS ...	38.27	25.18	inc								
	D	D									

126 83 New N. 0585~~27~~³⁰

Grid Ref 44/2925486

- Rejected.

An. Av. 31.19 in. based on 40 yrs. obs. within 1916-57. 1½ in low/ole. Period of av. 1916-50-5

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SE 289562

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
			N.G.R. from 16-50 averages working sheets	2000 872		

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
		/	/	/	/	/