

RAINFALL AT Harrogate

Harlow Hill = Harlow
 Mary Avenue

Lat. _____

Lon. _____

County of York W.R.

Rain Gauge, by _____

Observer

H. G. Paul Esq

Case - Nidd 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	

RAINFALL AT

Lat. 54.0 N

Lon. 1.36 W

County of

York W.R. Northern

Smardon

Rain Gauge, by N.T. 3

Observer

G. Paul Ego

Wind - 11.

F. J. Dinsley, C. E. Kinn Ego

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	25300	
February ..	5.53	1.41	1.34	3.01	4.17	1.70	2.33	2.09	1.85	.78	24421	
March ....	.73	2.30	1.16	3.85	2.01	2.75	2.01	2.28	3.86	4.46	25541	
April	1.89	2.55	1.56	1.41	1.69	2.46	.84	1.50	2.75	2.87	19524	
May	1.52	.78	2.67	4.05	3.02	.71	2.37	4.91	2.87	1.78	2468	
June	3.71	1.48	1.97	2.21	1.76	1.38	1.40	3.33	1.04	3.40	2168	
July	3.28	1.44	2.41	3.37	3.11	1.30	1.75	2.15	2.69	3.77	2527	
August	5.35	1.37	2.98	3.07	3.77	4.15	3.24	1.89	1.90	3.41	3113	
September ..	.61	1.00	1.21	4.31	1.21	1.96	.71	1.03	2.55	1.84	1.643	
October	3.58	1.88	3.75	8.50	.76	1.70	5.14	7.52	1.52	2.41	3706	
November ..	3.84	4.46	1.93	1.75	4.31	4.85	3.76	2.83	1.60	.97	3030	
December ..	3.46	3.91	2.55	1.71	1.79	.56	2.27	3.52	1.52	5.03	2632	
TOTALS ..	37.78	24.33	25.13	39.55	30.42	24.51	30.86	34.45	26.01	31.97	30.501	

1906 St Mary's Church

Harrogate Station

No obstruction

Total limited 30.89.

1/4 mile
1 mile
1 1/2

SE 1905
E 1908
NE 1908
E

Hills

RAINFALL at Hamogate Harlow Moss ObservatoryCounty of W YorkshreObserver C. E. Arwin Esq. C.E.River Basin Que. Nidd 11Rain Gauge, by N+3

Diameter ...	5										
Height	1.0										
Altitude ...	480 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 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	2.72	4.06	.83	3.32	1.92	10.13
March .....	.59	1.57	3.77	3.49	2.70	.93	4.35	3.10	1.22	4.16	12.83
April	2.72	1.36	.31	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	3.07	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	1.26	2.21	1.83	7.75	3.10	2.24	15.02
September ..	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	1.51	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	Hamogate	1 m	NE	St. Marys	1/4 m	SE

RAINFALL at Harrogate Harlow Moor ObservatoryCounty of N. YorksObserver C. E. Priors Esq C.E.River Basin Cuse. Ridd 11Boro. Eng. HarrogateM.O. Rain Gauge, by N. 2 1/2

Diameter ...	5"											
Height	10											
Altitude ...	450 478											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.	1920-30 Totals
January ...	4.33	3.96	3.98	1.64	2.32	2.63	3.00	2.24	6.56	1.41	5.02	37.09
February ...	2.19	1.4	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	2.70	1.33	1.39	26.78
June	1.71	1.7	1.57	.92	2.56	.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	3.26	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	3.57	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	5.42	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

ys. 2 vu. 23. 8 in. 45 in. gauges alongside in enclosure in public park
 rather sheltered. Height of 478 ft. - correct (file 56504/25 (1902)).

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

RAINFALL at Harrogate (Harlow Moor Obsy.)

MWR.

County of West RidingObserver C. E. Rivers, Esq. C.E. died 1937River Basin Ouse - Nidd - Il.L. H. Clarke C.E.Type of Gauge Snowdon [†](+A)Borough Corporation (1932)Annual Average 30.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Bgrd

Diameter	5.										
Height	1.0.										
Altitude	478.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Mean
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	.27	6.09	.30	3.30	2.44	5.03	1.64	2.70	1.90	26.06
March	.78	1.79	1.64	2.61	.85	2.49	2.32	.19	2.05	1.93	16.65
April	3.24	2.40	1.24	3.63	2.12	1.65	3.12	.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	.86	23.59
June	5.42	.67	1.14	2.52	3.04	4.46	1.37	2.84	1.74	.32	23.42
July	3.14	3.87	2.30	1.27	.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	.56	17.58
September	5.56	2.66	1.96	2.23	5.75	2.29	1.19	2.51	.99	1.96	27.00
October	.89	3.61	3.68	2.48	5.15	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	32.77	28.84	35.50	31.64	27.69	307.17
	D	2	0	3.	0	2	3.	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 (2710)

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

† Inspected 1939 6" anemograph gauge in operation

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

Station No. 3357

RAINFALL at Hannagate (Harlow Moss clay)

41

County of West RidingObserver Borough CorporationRiver Basin Ouse NiddType of Gauge Snowdon + (A)Annual Average 32.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B1 NFile No. E693/47

Diameter	5"		058	530							
Height	1' 0"			1							
Altitude	478'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.83	3.93	3.70	3.59	3.70	3.61	2.77	6.97	.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	2773
March	3.20	2.28	.81	.32	1.04	1.36	6.43	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	4.04	.98	1.88	2.15	21.48
June	.23	.94	2.14	2.77	3.08	2.27	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	2.76	2.38	2.65	3.13	3.21	4.42	.88	4.29	2.35	4.76	30.23
September	.39	1.75	3.03	4.33	1.67	5.85	1.96	1.80	.85	3.49	25.78
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	.46	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	34.33	29.44	39.97	36.55	29.59	25.47	31.79	1015
	D	D	D	D	D	D	D	D	D	D	305.10

+ Inspected 1939 6" autographic gauge in location
 Inspected by Mr. Zobel 1.10.48. Rim of gauge bent, at 8 1/2 in above ground. To be rectified.
 Trees to W & S too near. nearest 35' W 15 yds away.
 Trees lopped 3.11.48
 1943 low - with 1950. 1950. Inspected R.F. Zobel 24/10/50 Satis.

273.31

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. 3357 51

RAINFALL at Harrogate (Harlow Moor Obsy) M.W.R. (121)

County of West Riding - Yorks. Observer Cooperation

River Basin Duse - Ridd - 11

Type of Gauge Snowdon

Annual Average 30.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B & N.

File No. E 6983/67

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								

126 83 New No. 0585³⁰
Grid Ref 44/29 25486

An. Av. 31.19 in. based on 40 yrs. obs. within 1916-57. 1 1/2 in. low o/c. Period of av. 1916-50 - Rejected.

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SE 254542

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
N & R from 16-50 averages working sheets 2004 8172						

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
	✓	✓	✓	✓	