

RAINFALL AT *Bolton Abbey Estate Office*

Lat.

Lon.

County of *York W.R.*

Rain Gauge, by

Observer *A. Downs Esq*

Cuse - Nidd 11

Diameter						5					
Height						1 2					
Altitude						350					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January						3.93	1.88	2.50	2.71	5.92	
February ....						.42	1.57	2.85	3.78	1.90	
March						3.57	4.80	5.61	2.01	1.57	
April						2.05	2.13	2.20	2.65	2.76	
May .....						.38	.65	1.23	2.63	3.19	
June						2.11	4.91	3.61	2.57	1.70	
July						5.59	3.72	1.74	1.07	1.56	
August						2.90	1.61	5.27	3.65	1.75	
September....						1.73	6.09	3.81	.96	5.66	
October						4.96	4.03	1.66	5.56	2.84	
November						3.98	1.42	3.03	2.91	1.61	
December						4.36	4.03	3.73	4.22	3.85	
TOTALS						35.98	36.84	37.24	34.72	34.31	

RAINFALL AT Bolton Abbey Estate Office

Lat. Lon. County of York W.R. Northern
 Rain Gauge, by Observer A. Downs Esq
Wharfe - 10.

Diameter ..	5										
Height	1 2										
Altitude ..	350										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.12	2.09	2.17	3.27	3.45	2.04	5.65	1.86	2.89	2.01	2.955
February ..	4.18	.98	1.37	4.14	4.07	2.99	2.53	2.78	3.28	2.28	2.860
March ....	.75	2.67	1.95	5.15	2.54	3.87	3.15	3.85	4.47	3.27	3.167
April	1.77	2.61	1.55	1.90	2.77	3.04	1.39	2.90	2.90	3.53	2.436
May	1.36	1.10	2.67	3.12	4.46	.55	3.32	3.90	2.82	2.46	2.576
June	3.97	1.20	1.27	2.01	2.38	2.50	1.81	5.88	1.03	2.43	2.448
July	3.69	1.39	2.80	4.46	2.75	1.49	3.07	2.29	4.08	5.02	3.104
August	6.38	1.22	2.19	4.54	3.77	4.45	3.40	3.56	2.89	3.35	3.575
September..	1.08	1.09	1.23	4.70	.95	3.25	.83	.70	4.04	3.46	2.133
October	4.61	1.91	3.43	9.57	1.01	2.91	6.84	6.40	1.91	2.94	4.153
November ..	3.87	5.01	2.55	2.62	4.57	5.53	5.50	2.51	2.57	1.52	3.625
December ..	3.46	5.45	3.28	2.03	2.44	1.01	3.42	4.82	2.55	5.06	3.352
TOTALS ..	39.24	26.72	26.46	47.51	35.16	33.63	40.91	41.45	35.43	37.33	36.384

1907 Bolton Abbey Church 1/4 mile E
 " " Station 1/4 " S.W.

RAINFALL at Bolton Abbey Estate Office

County of W.R. Yorkshire Observer A. Downes Esq

River Basin Ouse-Wharfe 10

Rain Gauge, by

Diameter ...	5										
Height	1 2										
Altitude ...	350		368π								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS. Totals
January ...	5.06	1.18	5.38	4.48	2.54	5.66	3.53	3.25	3.68	4.90	15.16
February ...	4.10	4.38	2.15	1.29	2.52	5.08	5.24	.86	5.31	2.19	13.60
March .....	.55	2.30	4.64	5.07	3.97	1.45	4.64	3.71	1.64	5.29	15.28
April	3.06	1.72	.84	3.15	1.07	1.87	2.35	2.17	.79	2.00	7.31
May	2.21	1.14	2.40	2.87	1.99	1.83	2.08	1.77	2.77	1.85	8.47
June	2.87	2.75	6.99	1.81	2.62	.45	3.08	1.57	1.32	1.10	7.07
July	3.41	.98	5.77	.62	2.81	4.18	2.65	1.63	4.45	2.49	11.22
August	5.29	2.81	6.47	2.25	2.28	3.50	3.28	8.49	3.40	3.00	18.17
September ..	.29	3.92	1.97	1.50	1.67	.66	2.58	2.05	8.91	1.48	15.02
October ...	4.17	3.01	4.07	1.78	2.75	1.21	8.28	4.97	2.86	3.53	19.64
November ..	4.13	4.46	2.82	3.67	5.62	2.60	4.49	3.49	1.82	3.03	12.83
December ...	4.18	6.20	4.50	2.05	7.25	6.65	3.06	2.29	7.15	5.86	18.36
TOTALS ...	39.32	34.85	48.00	30.54	37.09	35.14	45.26	36.25	44.10	36.52	162.13

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

RAINFALL at Bolton Abbey Estate Office

County of W. R. Yorkshire Observer A. Downes Esq
River Basin Ouse-Warfe 10
Snarcliffe Rain Gauge, by N 53

Diameter ...	5"												
Height	1 2												
Altitude ...	368												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 Total	
January ...	4.91	6.43	4.51	3.25	2.56	3.96	4.00	3.66	7.28	2.10	5.95	48.61	
February ...	3.26	3.4	4.42	5.94	1.03	5.54	3.51	1.45	4.62	.82	.97	31.90	
March	3.04	2.45	2.99	2.11	1.21	1.13	1.88	3.48	3.52	4.1	2.21	24.43	
April	4.43	1.44	2.89	2.67	1.80	3.25	1.63	3.60	.97	1.43	3.55	27.66	
May	3.39	1.61	1.30	3.81	5.03	5.85	3.35	1.60	1.65	1.96	1.66	31.21	
June	2.26	.19	1.96	.87	1.94	.05	2.86	3.28	5.06	1.13	2.11	21.71	
July	5.64	2.39	5.08	3.63	4.12	1.37	2.55	3.81	1.46	3.39	4.64	38.08	
August	2.87	4.55	4.73	4.68	4.53	4.64	4.37	7.01	5.09	3.32	4.02	49.81	
September...	1.39	1.82	4.28	3.65	3.81	3.03	3.29	4.28	.74	1.38	3.53	31.20	
October	2.54	2.27	.77	5.46	4.15	4.24	4.66	4.11	4.58	4.61	4.54	41.93	
November...	2.64	2.75	1.93	4.69	2.76	2.95	6.38	3.81	4.65	5.25	4.19	42.00	
December...	3.76	5.24	3.72	3.26	3.81	4.41	1.76	2.41	2.64	7.45	3.50	41.96	
TOTALS...	40.13	31.48	38.58	44.02	36.75	40.42	40.24	42.50	42.26	33.25	40.87	430.86	

1925. Elm Tree 70ft high 25 yds S.E.
.. Birch .. 60 .. 25 .. S.
.. House .. 30 .. 15 .. N.W.

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	Parish Church.	Distance from gauge	Direction
1925			Bolton Abbey	1 1/4 m	W	Bolton Abbey	200 yds	E.

RAINFALL at Bolton Abbey Estate Office

County of West Riding Observer A. Downs, Esq.
River Basin Ouse-Wharfe-10. G. E. Hey Esq. (1938)
Type of Gauge Snowdon

Annual Average 36.3 in. based on 36 years obs. un-weighted. Period of average 1881-1915 Ref. 3

Diameter	5.										
Height	1.2.										
Altitude	368.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	3.17	3.56	2.19	2.90	1.68	4.27	3.82	4.79	5.10	2.15	33.63
February	3.97	.42	4.98	.25	4.93	2.81	6.18	1.78	3.05	1.87	30.24
March	.51	2.79	2.22	2.92	1.20	1.79	2.38	1.06	2.20	2.00	20.07
April	3.53	3.82	1.79	2.87	3.14	1.32	2.77	.55	1.33	2.15	23.27
May	2.78	3.52	2.66	2.24	1.48	1.40	2.53	3.61	.91	1.04	22.17
June	6.66	1.47	3.08	1.90	2.92	3.80	2.49	3.28	2.06	.40	28.06
July	4.03	4.37	2.11	1.85	1.35	4.70	1.89	3.62	5.63	4.54	34.09
August	3.48	1.07	0.95	2.29	1.72	4.21	1.59	3.56	1.73	1.44	22.00
September	3.64	4.03	1.99	2.83	6.43	3.45	1.73	1.41	1.21	2.89	29.61
October	1.69	6.09	3.74	4.02	7.34	3.50	2.18	7.19	3.18	2.78	41.71
November	5.53	2.89	2.50	1.93	5.28	4.41	1.31	3.83	3.63	4.49	35.80
December	2.07	1.42	0.69	5.52	2.73	3.51	2.43	4.27	2.34	2.96	27.94
TOTALS	41.06	35.45	28.90	31.52	40.20	39.17	32.30	38.95	32.37	28.71	348.63
	D	D	D	D	D	D	D	D	D	D	

1931. Elm tree 70' high 25 yds SE.
Beech " 60' " 25 yds S
House 30' " 15 yds NW

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
1931			Bolton Abbey	1 mile	W	Bolton	1/4 mile	E

Station No. 3333

RAINFALL at Bolton Abbey Estate Office

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County of West Riding Observer E. E. Hay Esq.

River Basin Ouse - Wharfe - La.

Type of Gauge Snowdon

Annual Average 36.3in. based on 36 years obs. un-weighted. Period of average 1881-1915 Ref S

File No. 158028/33

Diameter	5"		062	350							
Height	1' 2"			1							
Altitude	368'			4							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	2.32	4.34	5.07	4.94	3.87	3.61	3.76	8.19	1.98	2.31	40.39
February	3.67	1.21	2.53	1.91	4.78	4.74	2.79	2.57	2.76	6.48	33.44
March	3.68	3.15	1.01	.33	1.65	1.18	5.52	1.90	1.37	1.82	21.31
April	2.95	1.37	2.16	3.67	3.02	1.17	4.18	2.21	3.04	3.27	27.04
May	1.82	2.62	3.00	2.10	4.30	2.31	4.96	.87	1.72	1.97	25.67
June	.23	1.15	2.62	2.59	3.50	2.30	3.55	3.33	.67	2.33	22.27
July	2.16	3.46	2.40	3.12	1.99	3.21	2.17	.93	2.47	3.81	25.42
August	5.04	3.32	4.40	2.59	3.41	6.99	.34	3.95	2.54	5.62	38.20
September	.73	2.22	4.38	6.73	2.38	6.07	2.20	2.71	.87	5.69	33.98
October	5.69	3.93	2.54	3.87	5.85	1.42	1.44	1.95	4.60	2.90	34.25
November	2.57	1.29	2.59	6.83	.55	6.31	4.75	2.21	5.73	4.67	37.50
December	1.90	3.44	2.45	3.54	2.12	3.35	3.63	3.09	6.60	2.24	32.36
TOTALS	32.76 D	31.56 D	35.15 D	42.22 D	37.42 D	42.66 D	39.29 D	33.91 D	34.35 D	42.57 D	371.83

1941 Elm Tree 70' high 25yds. S.E. Beech Tree 60' high 25yds. S. House 30' high 15yds. N.W.

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
1941			Bolton Abbey	1 ml.	W.	Bolton Abbey.	1/4 ml.	E.

Station No. 3233

RAINFALL at Bolton Abbey (Estate Office)

51

County of West Riding of Yorkshire Observer E. E. Hey Esq.

River Basin Ouse - Wharfe - 10

Type of Gauge Snowdon

Annual Average 26.3 in. based on 36 years obs. un-weighted. Period of average 1881-1915 Ref S
37.45 38 within 1916-57 1916-50 158028/33 File No.

Table with 12 columns: Diameter, Height, Altitude, Year (1951-1960), Means, and monthly rainfall data (January-December). Includes handwritten values for each cell.

1951. Elm tree 70' high 25° SE. Beech tree 60' high 25° S. House 30' high 15° NW.

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference SE(44)072540

Table with 8 columns: Date, Lat. N, Long., Railway Station, Distance Direction from gauge, Parish Church, Distance Direction from gauge. Includes handwritten data for 1951.

Summary of Earlier Records from 10-year Sheets: 1916-1950, P - Rejected

Table with 6 columns: Record D, or d, 1910-19, 1920-30, 1931-40, 1941-50, 1951-60. Includes handwritten checkmarks and values.