

RAINFALL AT *Bolton Abbey*

Lat. .... Lon. .... County of *York N.R.*  
 Rain Gauge, by .... Observer *J. Broughton Esq. C.E.*

*Cuse - Nidd 11.*

Diameter ....					5						
Height ....					1 -						
Altitude ....					326T	369					
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....					<sup>11</sup> (7.08)	2.13					
February ....					4.45	2.55					
March ....					2.57	2.08					
April ....					2.27	2.45					
May ....					1.98	2.92					
June ....					.34	2.96					
July ..					6.07	1.33					
August ....					1.06	1.21					
September....					3.28	3.82					
October ....					2.58	5.89					
November....					1.60	2.69					
December ....					6.24	(1.25) <sup>11</sup>					
TOTALS ....					(39.52)	(31.28)					

Dec. est. VIII. 19

*Bolton Abbey**400 yards N.E.*

# RAINFALL AT *Bolton Abbey Estate Office*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *York W.R.*

Rain Gauge, by \_\_\_\_\_

Observer *A. Downo 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 ....						4.21	5.7	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.*

*Donthorn*

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	.82	.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 Boston Abbey Estate OfficeCounty of W.R. YorkshireObserver A. Downes EsqRiver Basin Ouse - Wharfe 10

Rain Gauge, by \_\_\_\_\_

Diameter ...	5										
Height .....	1 2										
Altitude ...	350		388								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS. Totals
January ...	5.06	1.18	5.38	4.48	2.54	5.66	3.53	3.25	3.68	4.70	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	3.49	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	18.86
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 OfficeCounty of N. YorksObserver A. Downes Esq.River Basin Ouse-Warfe 10Snarcliffe 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	5.74	1.03	5.54	3.51	1.45	4.32	.82	.97	31.90
March .....	3.04	2.45	2.99	2.11	1.21	1.13	1.88	3.48	2.52	.41	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	4.44	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	430.50

1925. holm tree 70 ft high 25 yds. S.E... Beech " 60 " " 25 " S... Horse " 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 1/2 m	W	Bolton Abbey	200 yds	E.

RAINFALL at Bolton Abbey Estate OfficeCounty of West RidingObserver A. Downs, Esq.River Basin Ouse-Wharfe-R.G. S. Hey Esq. (1928)Type of Gauge SnowdonAnnual Average 36.2 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	4.87	2.11	1.85	1.35	4.70	1.89	3.62	5.43	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	22.04
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.  
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			Bolton Abbey	1 mile	W	Bolton	1/4 mile	E





Station No. 3333

RAINFALL at Bolton Abbey (Estate Office)

51

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

River Basin Ouse - Wharfe - 10

Type of Gauge Snowden

Annual Average 36.3 in. based on 36 years obs. un-weighted. Period of average 1881-1915 Ref. S  
" " 37.45 " 38 " 1916-57 " 1916-58 " 1916-58  
File No. 188024/33

Diameter ...	5"		062	350								
Height ...	1'2"			1								
Altitude ...	266			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
January ...	3.59	3.75	.86	2.82	1.94	4.26	3.17	2.56	3.22	5.08	31.25	
February ...	3.76	1.13	3.03	2.39	2.14	1.67	3.33	6.83	.43	2.35	27.06	
March ...	3.64	2.09	1.26	2.11	2.59	1.42	2.67	1.47	1.22	2.03	20.50	
April ...	1.51	2.03	2.69	.57	1.32	2.55	.97	.87	3.68	2.07	17.66	
May ...	3.94	1.81	1.51	3.59	3.37	1.55	.94	4.73	.85	1.55	23.84	
June ...	1.12	2.72	2.84	2.47	2.31	2.53	1.79	4.92	1.64	1.27	23.61	
July ...	2.08	1.81	4.58	2.98	.96	4.59	3.47	3.56	2.57	7.70	34.20	
August ...	3.99	5.17	3.68	7.45	.96	7.70	5.29	4.22	.61	3.98	43.05	
September ...	3.00	3.99	2.98	4.19	2.47	4.26	4.91	4.67	.20	3.39	34.06	
October ...	1.28	4.16	1.93	6.13	3.00	2.05	4.62	2.91	2.92	5.42	34.42	
November ...	8.00	2.05	3.94	5.22	2.00	1.08	2.54	1.06	4.68	5.94	36.51	
December ...	6.44	3.38	1.40	5.28	5.28	4.39	4.34	4.80	7.41	5.06	47.78	
TOTALS ...	42.35	34.09	30.70	45.20	28.34	38.05	37.44	42.60	29.43	45.84	374.04	
	D	D	D	D	D	D	D	D	D	D		

1951. Elm tree 70' high 25°SE. Road 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) 072 540

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951.			Bolton Abbey	1 m.	N.	Bolton Abbey	1 1/4 m.	E.

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
	✓	✓	✓	✓	
	-	✓ but -20-24	✓	✓	