

RAINFALL AT Kirkby Lonsdale Barbon Manor

Lat. _____ Lon. _____ County of Westmoreland

June - 11.	Rain Gauge, by										Observer	Mr J Kidd	a Ford Eag
Diameter												6	
Height												1.3	
Altitude												650 ft	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.		
January											#	4.25	1.27 4.76 7.16
February												2.41	4.32 3.58 3.12
March												7.63	7.16 1.85 2.35
April												1.91	2.65 4.20 5.11
May												47	2.15 1.98 4.01
June												5.00	4.25 3.91 1.97
July												4.59	2.07 1.40 4.75
August												2.57	7.05 6.89 1.72
September												7.12	4.50 2.45 5.30
October												4.29	2.18 4.27 3.74
November												1.70	4.46 4.29 3.61
December												7.83	6.76 5.64 3.86
TOTALS												49.77	48.82 45.22 46.70

Barbon Church 1/2 Mile W.S.W

Tree 15ft high 90 ft NE

MET.O.B RAINMASTER
RETROSPECTIVE SITE REVIEW

IVD 8TH NUMBER 581631

NGS: SD(34) 639829

ALB: 650 ft 158 metres. Date of review 10.1.1973

Rejected from Survey: 5° too low.

RAINFALL AT Kirkby Lonsdale Barbon

Lat.

Len.

County of Westmoreland

dune - 4

Rain Gauge, by

Observer

Mr Wilkinson

Diameter										5	
Height										10	
Altitude										310 240	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January										1.07 5.78 8.13	
February										5.07 4.94 3.06	
March										8.21 1.86 2.40	
April										3.07 4.14 4.95	
May										2.55 2.35 4.04	
June										4.23 3.76 1.12	
July										2.22 1.33 4.38	
August										7.11 7.74 1.35	
September										4.79 2.75 6.01	
October										2.25 4.25 3.93	
November										5.27 5.20 3.61	
December										7.42 6.61 4.17	
TOTALS										53.26 50.71 47.15	

St Bartholomew Ch 400 yards NE
outhouse 10 ft high 25 ft SW

RAINFALL AT Kirkby Lonsdale, Barbon

Lat. _____

Lon. _____ County of Westmoreland

Rain Gauge, by _____

Observer Miss Charlotte E. Wilson

June - 14.

Diameter ...										5'	
Height										1. 6	
Altitude ...										375	395 B 405
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										5.89	3.02
February ...										3.12	2.63
March										3.84	2.53
April										2.24	2.26 3.58
May										3.92	3.65 2.01
June										9.46	3.41 2.80
July										4.57	4.37 7.68
August										5.16	4.89 4.65
September ..										.89	5.99 3.06
October ...										4.55	1.42 5.80
November ..										4.26	3.21 2.89
December ...										6.50	4.04 7.81
TOTALS ...										46.09	48.46

1907 Barbon Church $\frac{1}{4}$ mile N
 Station $\frac{3}{4}$ + . N
 1908 Home 25 ft high 10 yards N

Rejected from Survey : 5° too low.

RAINFALL AT Rishby Lonsdale Barbon

Lat. Lon. County of Westmoreland

Sundown Rain Gauge, by Observer Miss Wilkinson

June - 11.

Diameter ..	5										
Height ..	1.0										
Altitude ..	310 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.EAN.
January ..	7.68	2.85	3.56	7.81	5.31	3.11	7.56	1.72	5.73	3.19	4.85
February ..	5.91	1.48	1.65	4.95	3.99	3.20	2.96	3.18	3.44	2.93	3.36
March ..	.33	4.41	2.93	4.90	3.51	3.18	4.15	5.31	4.18	3.13	3.60
April ..	3.27	3.14	2.07	2.08	4.86	3.75	1.70	2.13	2.67	3.64	2.93
May ..	2.98	1.29	2.61	3.09	3.14	1.54	8.07	4.22	3.46	1.96	3.23
June ..	3.79	2.69	.97	2.16	2.10	2.42	2.74	8.81	3.56	2.69	3.19
July ..	3.10	1.31	5.35	5.41	1.87	2.56	3.08	4.42	4.60	8.42	4.01
August ..	4.84	3.83	2.57	9.48	3.08	5.49	6.05	5.04	5.16	5.00	5.05
September ..	2.97	1.88	1.71	7.88	1.63	4.02	1.41	.97	7.24	3.58	3.32
October ..	8.90	4.71	3.53	10.57	2.72	3.41	7.24	4.58	2.80	7.23	5.51
November ..	5.36	5.38	2.44	2.97	4.16	5.64	4.88	4.85	3.31	2.91	4.19
December ..	7.98	6.11	4.00	4.15	4.50	2.81	3.25	6.26	4.32	9.06	5.24
TOTALS ..	57.11	39.08	33.39	65.45	40.87	41.13	53.09	51.47	49.97	53.72	49.52

D D D D D D

1900 Bartholomew Church 400 yards N.E.

Cuthouse top high 20 ft W

Barbon Station 300 yards NE

Holm

RAINFALL AT Kirkby Lonsdale Barbon Manor

Lat.

Lon.

County of

Westmoreland

Rain Gauge, by

Observer A Ford Esq

June - 4.

Diameter ..	5										
Height ..	13										
Altitude ..	650 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	8.77	2.32	2.96	7.79	5.16	1.50	7.36	1.69	4.68	2.94	4.517
February ..	4.10	1.37	1.84	4.71	3.06	1.75	2.85	1.75	3.33	2.46	2.722
March35	4.41	2.80	4.98	3.45	3.02	3.78	4.63	3.59	3.29	3.430
April	3.26	3.29	2.04	2.06	4.39	3.85	1.78	2.26	2.59	3.73	2.925
May	3.41	1.52	2.82	2.90	2.84	1.58	8.34	4.39	3.27	2.20	3.327
June	4.04	2.55	1.11	2.29	3.05	2.35	2.56	8.65	3.73	2.75	3.308
July	3.45	1.62	5.59	5.84	1.93	2.79	4.06	4.26	5.38	8.81	4.373
August	5.66	3.66	2.89	9.28	4.12	5.97	6.32	5.08	4.38	4.70	5.206
September ..	2.94	1.98	1.73	7.00	1.80	3.77	1.34	.87	8.27	3.72	3.342
October	8.86	4.68	3.75	8.83	2.66	3.11	8.16	4.50	2.77	7.65	5.497
November ..	5.63	5.27	2.50	2.64	3.79	4.92	5.03	4.93	3.24	2.72	4.067
December ..	8.04	5.73	3.48	4.41	4.26	2.84	2.78	5.21	3.54	8.63	4.892
TOTALS ..	58.51	38.40	33.51	62.73	40.51	37.45	54.36	48.22	48.77	63.60	47.606

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1900 Kirkby Lonsdale Church 3 miles S.W.

Wire Fence 3' 6" high 6 ft W

Horn Tree 18' 6" - 75° NE

1903 Barbon Station $\frac{1}{2}$ mile SW W

H.W.

Rejected from Survey 3° too low

RAINFALL at Barbon Manor

County of Westmorland

Observer A. Ford Leg 7 Crossley Leg 1913
Longthwaiteworth

River Basin June 4

Rain Gauge, by

Diameter ...	6							5		
Height	1.3									
Altitude ...	650 T									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	4.10	2.43	3.03	3.07	3.57	4.93	5.74	2.62	4.78	5.29
February ...	5.96	7.16	2.82	2.82	4.43	6.77	4.27	1.45	6.02	1.54
March	1.13	1.14	6.27	5.41	6.45	1.82	2.90	2.02	2.01	4.91
April	2.46	4.02	1.01	5.27	1.06	2.12	2.83	1.91	1.39	2.84
May	2.09	1.12	2.76	2.59	2.56	1.15	5.68	2.47	2.26	1.82
June	2.43	4.00	8.08	3.76	.47	1.66	3.25	3.30	2.17	1.84
July	5.10	.87	4.82	.78	4.27	5.16	3.76	2.29	7.38	3.02
August	8.71	3.98	8.27	2.14	3.09	4.77	4.76	9.95	5.76	4.34
September ..	.51	4.73	1.92	4.06	4.05	1.06	2.98	5.00	12.02	4.32
October ...	2.59	4.77	5.23	2.98	1.77	1.43	9.86	5.45	6.82	3.13
November ..	3.96	7.35	7.93	6.15	5.13	3.13	3.86	4.07	2.64	3.36
December ...	4.80	7.29	5.98	3.04	5.41	7.29	4.29	2.10	7.53	5.83
TOTALS ...	43.87	48.80	58.42	42.07	41.29	42.29	54.21	42.63	60.78	40.11

1912 Wm fence 3' 6" high 2yds W
Tree 15 25. NE
1914 No printed - Bad.

MET.O.S RAINMASTER
RETROSPECTIVE SITE REVIEW
REG. S/N. NUMBER 581631

NGR: SD(34) 635829

ALT: 650 ft = 198 metres. Date of review 10.1.1979

Rejected from Survey 3 too low

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	54.15	2.30 N	Barbon	3/4 mi	W	K Lonsdale	3 mi	SW.

RAINFALL at Barbon Manor

County of Westmorland

Observer Lord Shuttleworth

F. Crossley

River Basin Line 4

Observer Lord Shuttleworth

H. Crossley

SABUROU Rain Gauge, Iw.

1920 Wire Fence 3' 6" high 2 yds W
Tree 18' 0" .. 25" N E

**MET.O.S RAINMASTER
RETROSPECTIVE SITE REV. 1**

581631

ENGR: SD(34) 639829

650 198 matrix Date of review 12-6-1970

Rejected from Survey : 3° too low.

*Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series*

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D. G. NICHOLAS

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	52° 15'	2° 30'	Barbon	3/4 mi	W	Hickby Lonsdale	3 mi	S W

581631

3726.

31

RAINFALL at Barbon Manor.

County of Westmorland,

Observer Lord Shuttleworth, died 29/12/39

River Basin Lune - 4.

4 Crossley Lane

Type of Gauge Standard

Annual Average in. based on years obs. un-weighted. Period of average Ref.

113236/31.

Diameter	5.											
Height	1.3.											
Altitude	650.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.72	4.66	3.98	5.77	1.79	5.18	4.78	6.00	4.47	1.95		
February	4.91	.24	3.60	2.21	6.18	2.11	6.37	2.22	4.44	2.16		
March	1.17	3.01	2.30	2.48	1.20	2.56	2.15	2.42	2.42	5.09		
April	3.47	2.22	2.24	3.17	3.41	1.24	3.17	1.69	2.47	1.65		
May	2.33	5.02	3.27	4.31	.96	2.27	2.44	4.62	.45	.66		
June	4.26	1.92	2.15	3.30	4.26	3.91	2.52	5.02	4.85	1.01		
July	6.22	7.59	4.82	2.93	3.36	7.09	3.91	3.93	6.10	7.03		
August	4.02	2.18	2.59	4.93	2.76	3.51	3.25	4.74	2.88	1.70		
September	2.46	5.72	1.41	5.38	12.06	4.29	4.47	2.03	1.69	4.21		
October	3.34	7.46	5.05	7.72	6.63	5.07	1.67	12.52	1.30	5.59		
November	8.59	3.79	1.48	1.37	3.97	4.83	1.05	6.59	6.67	6.12		
December	3.43	4.62	.92	6.99	2.08	5.37	3.17	4.58	3.03	4.49		
TOTALS	50.92	49.38	33.81	19.48	56.48	66.37	47.43	38.95	56.36	40.58	41.06	
	D.											

1931. Wire fence 3' 6" high 2 yards W. Thorn tree 18' high 25 yds. N.E.

1940 Jan - Mar } part estd.
Nov + Dec }MET.O.B RAINMASTER
RETROSPECTIVE SITE REVIEW

HYD STN.

NUMBER 581631

NGR: SD(34) 629829

ALT: 650 ft = 198 metres. Date of review 10.1.1979

Rejected from Survey as 3" too small. Please ask to modify reference 7/1/53.

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.			Barbon	3/4 m	W.	Kirkby Lonsdale	3 m	S.W.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 3726

41

RAINFALL at Barbon Manor

County of Westmorland

Observer T. Crossley Esq.

River Basin Lune - 4

Type of Gauge Standard

Annual Average ... in. based on ... years obs. un-weighted. Period of average ... Ref.

File No. 113238/31

Diameter	5"										
Height	1' 3"										
Altitude	650'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	94	4.64	5.51								
February	3.97	1.53	2.64								
March	2.94	3.29	(2.37)								
April	2.17	1.68	3.01								
May	2.52	3.17	3.35								
June	67	1.24	4.93								
July	2.46	3.94	5.45								
August	5.41	3.85	6.08								
September	2.22	5.42	4.67								
October	8.68	6.04	6.68								
November	3.14	.65	3.17								
December	2.81	3.41	(2.69) #								
TOTALS	37.93	38.76	(50.35)								

1941:- Winc Fence 3ft high 2yd W. ThomFence 18' high 25 yds N.E.

1943:- considerable estimation or amendment. daily entries not always reliable, ref. surv. records.

MET.O.B.
RETROS

581631

SD(34)639829

ALT: 650 HGT: 198

Date of review 10-1-1979

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
1941			Barbon (L.M.S.)	1 mile	W.	Barbon	2 miles W.