

581631

3726

RAINFALL AT Kirkby Lonsdale Barbon Manor

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

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

County of Westmoreland

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

Observer

Mr J Kidda Ford EngJune - 4

Diameter ....							6				
Height .....							13				
Altitude ....							650				
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  $\frac{1}{2}$  mile W.S.W  
 Tree 15ft high 90ft NE

MET.O.S. RAINMASTER  
 RETROSPECTIVE SITE REVIEW

STD. STN. 581631  
 NUMBER

NGG: 52(34) 639829

ALT: 650 ft 198 metres, Date of review 10.1.1979

Repeared from Survey: 3" too low.

# RAINFALL AT Kirkby Lonsdale Barbon

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

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

County of \_\_\_\_\_

Westmoreland

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

Observer \_\_\_\_\_

Mrs Wilkinson

June - 4

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....								4.77	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's Ch 400 yards NE  
 Outhouse 10 ft high 20 ft W

# RAINFALL AT *Wirkby, Bunsdale, Barbon*

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

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

County of *Westmorland*

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	4.07	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 House 25 ft high 10 yards N

*Rejected from Survey : 5" too low.*

# RAINFALL AT Kirkby Lonsdale Barbon

Lat. .... Lon. .... County of Westmorland

Sundon Rain Gauge, by Observer Miss Wilkinson

June - 14.

Diameter ..	5										
Height ....	1.0										
Altitude ..	310 T										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	7.68	2.85	3.56	7.81	5.31	3.11	7.56	1.72	5.73	3.19	4.852
February ..	5.91	1.48	1.65	4.95	3.99	3.20	2.96	3.18	3.44	2.93	3.369
March ....	.33	4.41	2.93	4.90	3.51	3.18	4.15	5.31	4.18	3.13	3.603
April .....	3.27	3.14	2.07	2.08	4.86	3.75	1.70	2.13	2.67	3.64	2.931
May .....	2.98	1.29	2.61	3.09	3.14	1.54	8.07	4.22	3.46	1.96	3.236
June .....	3.79	2.69	.97	2.16	2.10	2.42	2.74	8.81	3.56	2.69	3.193
July .....	3.10	1.31	5.35	5.41	1.87	2.56	3.08	4.42	4.60	8.42	4.012
August ....	4.84	3.83	2.57	9.48	3.08	5.49	6.05	5.04	5.16	5.00	5.054
September ..	2.97	1.88	1.71	7.88	1.63	4.02	1.41	.97	7.24	3.56	3.327
October ....	8.90	4.71	3.53	10.57	2.72	3.41	7.24	4.56	2.30	7.23	5.517
November ..	5.36	5.38	2.44	2.97	4.16	5.64	4.88	4.85	3.31	2.91	4.190
December ..	7.98	6.11	4.00	4.15	4.50	2.81	3.25	6.26	4.32	9.06	5.244
TOTALS ..	57.11	39.08	33.39	65.45	40.87	41.13	53.09	51.47	49.97	53.72	48.528

1900 Bartholomew Church 400 yards N.E.  
 Outhouse 10 ft high 20 ft N  
 Barbon Station 300 yards NE

Hub



RAINFALL AT Kirkby Lonsdale Barlow Manor

Lat. ....

Lon. ....

County of Westmorland

Rain Gauge, by .....

Observer A. Ford EsqJune - 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	
March ....	.35	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	53.60	47.606	352

1900 Kirkby Lonsdale Church. 3.8 miles S.W.

Wire Fence 3' 6" high 576 W

Shorn Tree 18' 0" " 75 NE

1903 Barlow Station  $\frac{1}{2}$  mile S.W.

Reported from survey 3' too low

RAINFALL at Barbon ManorCounty of WestmorlandObserver A. Fordley 7 Crossley 1913  
LothkullworthRiver Basin Lune 4

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

Diameter ...	6							5			
Height .....	1.3										
Altitude ...	650 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	4.10	2.43	3.03	3.07	3.57	4.93	5.77	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	5.45	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	2.24	
May	2.09	1.12	2.76	2.59	2.56	1.15	5.68	2.47	2.26	1.22	
June	2.43	4.00	5.28	3.76	.47	1.66	3.25	3.30	2.17	1.24	
July	5.13	.87	4.82	.78	4.27	5.16	3.76	2.29	7.38	2.02	
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	5.13	
TOTALS	43.87	48.86	58.42	42.07	41.29	42.29	54.21	42.63	60.78	40.11	
	2	2	2	2	?	2	3	2	2	2	

1912 Wire fence 3' 6" high 29 to W  
29 to NE  
1914 Not printed - Bad.

MET.O.S. RAINMASTER  
RETROSPECTIVE SITE REVIEWNO. SIN.  
NUMBER 581631

NGR: SD(34) 633829

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	Barbon	3/4 mi	W	Kilnsondale	3 mi	SW.

RAINFALL at Barbon ManorCounty of WestmorlandObserver Lord Shuttleworth

7. Crossley

River Basin Lune H1929 Janus mediarum

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

Diameter ...	5"											
Height .....	1.3											
Altitude ...	650											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN	
January ...	6.05	8.49	4.02	4.45	5.02	3.40	6.50	4.84	10.88	2.01	4.75	
February ...	5.30	.63	4.08	4.58	1.27	5.53	6.87	2.93	6.08	.93	.33	
March .....	5.62	4.56	4.00	1.76	2.56	1.33	2.28	5.25	3.65	1.50	3.33	
April .....	6.07	1.42	2.46	3.64	2.69	3.21	2.04	2.66	1.96	1.82	2.53	
May .....	6.95	3.60	3.51	4.61	7.70	4.62	3.52	1.63	0.70	2.71	1.24	
June .....	3.30	.29	3.82	1.00	3.72	.37	4.75	5.63	10.55	2.41	3.22	
July .....	9.51	1.96	7.17	5.32	4.92	2.34	4.22	5.89	5.36	5.59	6.48	
August .....	3.84	8.33	5.34	8.65	4.48	4.79	4.39	8.78	9.35	7.67	6.48	
September...	3.55	3.02	3.74	6.93	6.26	4.81	5.71	6.81	3.06	2.21	2.38	
October .....	1.23	3.35	1.23	7.27	5.71	5.67	4.12	4.77	5.57	7.47	8.34	
November...	3.36	2.67	3.31	8.10	3.97	2.43	7.14	7.20	7.43	8.15	5.67	
December...	5.17	7.68	6.01	4.43	8.71	3.95	1.26	1.19	4.32	7.74	4.46	
TOTALS...	59.95	46.00	45.69	60.74	57.01	43.05	52.80	57.58	68.91	50.21	49.41	

1920 Wire Fence 3' 6" high 27ds W

Tree 15' 0" .. 25' .. N.E.

METEOR. RAINMASTER  
RETROSPECTIVE 50% REV. 1

581631

NGR: SD(74) 633823

GILL 650

11 = 198

matrix. Date of review 10.1.1979

Rejected from Survey : 3" too low.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	54° 15'	2° 30'	Barbon	1/4 mi	W	Hickby Lonsdale	3 mi	SW



RAINFALL at Barbon Manor,County of Westmorland,Observer Lord Shuttleworth, <sup>died 20/12/39</sup>River Basin Lune - 4Type of Gauge Sheddon

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	.21	6.18	2.11	6.37	2.22	4.14	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	.69	2.47	1.05	
May	2.33	5.02	3.27	4.31	.96	2.27	2.44	4.62	.45	.66	
June	7.26	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	2.13	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	5.67	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	48.56	48.66	47.43	38.95	55.26	40.27	41.06	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1931. Wire fence 3'6" high 2 yards W. Thorn tree 15' high 25 yds. N.E.

1940 Jan. - May part setd.  
Nov. & DecMET.O.S. RAINMASTER  
RETROSPECTIVE SITE REVIEWNO. STN.  
NUMBER 581631

NGR: 52(34) 639829

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

Rejected from Survey as 3" too small. Volume asked to modify exposure 7/1/82.

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 1/4 m	W.	Kirkby Lonsdale Barbon	3 m 2 1/2 m	S.W. W.



Station No. 3726

RAINFALL at Barbon Manor

41

County of Westmorland Observer T. Greenhalgh Esq.River Basin Lune - 4Type of Gauge SnowdonAnnual 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	2.44								
March	2.94	3.29	(2.37)								
April	2.17	1.58	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:- Wire Fence 3 1/2' high 2 yds W. Thom Fence 18' high 25 yds NE.

1943. Considerable estimation amendment: daily entries not always reliable, Ref. G.M.P. Records.

MET. OBS. RETROS.

581631

NGR: SD(34)639829

ALT: 650 198 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	Direction from gauge
1941			Barbon (L.M.S.)	1/2 mile	W.	Barbon	2 miles	W.

BRITISH RAINFALL ORGANIZATION