

RAINFALL AT Moffat Auchen Castle

Lat. 56° 78'

Lon. 3° 57'

County of Dumfries

Rain Gauge, by

Observer Mr W. McAdam

Area - 1/4.

Diameter					5	.	.	5			
Height					6	.	.	6			
Altitude					500	.	.	500	T		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											
TOTALS											
	44.34	49.43	67.92	58.12	62.18						

Moffat Church 1 3/4 miles E.

RAINFALL AT Moffat Auchens Castle

Lat. $55^{\circ} 20' N.$ Lon. $3^{\circ} 47' W.$

County of Dumfries

Rain Gauge, by

Observer Mr W McDonald

Mr J Macgregor (OS)

Annals - 14.

Diameter ..	5										
Height ..	0 6										
Altitude ..	500										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M. MEAN.
January ..	6.99	4.21	5.24	7.43	4.78	3.17	7.39	3.75	6.39	6.36	55.71
February ..	4.73	.69	2.01	8.86	4.85	3.74	4.19	4.74	3.20	3.11	40.12
March ..	.41	2.66	3.32	12.61	4.42	6.39	4.84	4.92	6.76	3.96	50.29
April ..	4.58	4.93	2.87	1.68	6.39	4.04	2.00	2.39	1.85	4.01	34.74
May ..	5.40	2.52	2.28	2.48	2.60	3.18	6.73	5.16	3.60	2.64	36.59
June ..	5.48	4.29	1.44	2.05	3.52	2.68	1.63	6.09	3.83	2.43	33.34
July ..	2.74	2.00	2.94	4.67	4.08	2.34	2.64	3.84	2.64	4.09	31.98
August ..	4.57	5.57	3.42	7.01	5.39	4.63	7.60	6.05	4.50	1.85	50.50
September ..	5.33	4.85	3.25	4.24	3.07	2.48	1.21	.99	6.98	2.87	35.25
October ..	5.89	6.61	3.94	12.27	3.59	3.97	6.83	7.88	2.33	12.06	65.37
November ..	6.57	4.07	4.84	4.57	3.35	4.97	4.66	4.51	4.09	2.57	44.20
December ..	11.57	7.20	6.70	5.06	5.07	3.97	3.58	6.36	4.81	6.60	60.92
TOTALS ..	64.26	49.60	42.25	72.93	51.11	45.46	53.30	58.68	50.98	52.55	559.12

D D D D D D

1909

1900 Moffat church 2 miles E

Cyrus Drew 1281 high 9 ft N

1903 Beattock Station 2 miles S E

1908 Kirkpatrick Church 2 1/2 miles S E

Shanks 6-9 ft high 2 to 4 yards N + S

1909 Corrected for wrong day.

RAINFALL at Moffat, Auchent Castle

County of Dumfries Observer Mr. J. Macgregor
 River Basin Eden Annan 3.⁴

Rain Gauge, by _____

Diameter ...	5											
Height	0 6											
Altitude ...	500 T										506	
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	5.96	3.08	4.36	5.55	5.23	3.82	8.61	2.72	7.11	4.89	5133	23.33
February ...	8.24	7.98	4.60	4.05	8.65	7.38	5.64	1.12	8.25	.95	5686	15.96
March	4.85	1.85	6.81	6.94	7.01	2.57	2.00	2.27	1.56	3.69	3955	9.62
April	4.39	4.97	1.20	5.72	3.41	2.91	3.59	2.69	.74	3.21	3283	10.23
May	2.43	4.01	1.36	3.91	2.57	1.42	5.14	3.30	2.36	1.65	2815	12.45
June	2.50	3.03	5.94	3.65	1.07	1.74	2.44	3.61	1.49	3.13	2560	10.67
July	5.95	2.17	3.72	.80	3.39	4.83	4.95	1.84	3.95	1.25	3285	11.99
August	8.44	3.45	4.32	2.02	4.44	4.91	4.35	7.47	3.42	3.92	4674	19.16
September ..	1.24	2.56	2.36	2.67	2.11	1.50	2.48	4.45	7.30	4.43	3110	8.66
October ...	3.92	5.09	4.98	4.61	1.80	2.98	10.02	7.74	8.56	2.39	5209	28.71
November ..	3.75	6.83	4.52	6.81	7.48	3.03	5.87	6.37	6.17	4.67	5450	22.08
December ...	5.74	9.12	11.75	4.19	9.05	7.83	5.25	3.33	6.47	10.04	7277	25.09
TOTALS ...	54.41	54.14	55.92	50.92	56.21	44.92	60.34	45.91	57.38	44.622	52734	207.80
	D	D	D	D	D	D	D	D	D	D	M	

1911. Shrubs 6 ft - 9 ft high, 5 ft - 6 ft distant on 3 sides.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Beattock	2 mls.	SE (1914) S. S (1914)	Moffat	(1914) 2 m.	NE.
1914	55° 22'	3° 20"			S E (1915)	Kirkpatrick Twista	3 mls.	S.

5036/4
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RAINFALL at Auchencastle Moffat

County of Dumfries Observer

River Basin 4 - Annan

Type of Gauge.....

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

Diameter												
Height												
Altitude												
Year	20 1931	21 1932	22 1933	23 1934	24 1935	25 1936	26 1937	27 1938	28 1939	29 1940	1930 Means	
January	7.82	9.89	5.49	5.20	7.29	7.46	10.02	7.03	12.03	2.45	10.07	84.75
February	5.97	.86	5.41	6.06	.79	5.83	5.97	3.49	7.61	1.99	.39	44.37
March	6.67	8.65	3.80	2.95	1.31	1.76	3.43	4.66	8.04	1.44	3.46	45.67
April	3.47	1.73	2.87	4.31	3.88	6.12	3.60	3.51	2.05	1.51	2.45	35.50
May	6.74	3.07	4.26	3.57	4.07	9.57	3.38	3.53	1.89	4.18	2.46	47.32
June	1.36	.66	2.03	2.07	2.74	.59	5.51	4.89	6.91	3.44	3.24	33.44
July	4.47	5.81	5.77	5.87	6.27	1.93	3.77	7.41	2.64	5.86	4.95	54.75
August	4.66	8.51	3.55	10.08	4.40	4.80	5.47	6.44	8.20	6.82	7.93	70.96
September	3.12	3.06	2.97	7.44	6.41	3.13	5.26	6.63	3.43	.85	3.21	45.51
October	2.24	3.71	3.82	9.18	4.36	7.69	5.56	6.93	10.79	7.04	10.25	71.27
November	3.82	3.21	3.61	5.76	5.29	2.03	9.16	5.09	8.86	10.80	5.92	68.55
December	4.93	8.74	6.49	6.93	12.49	5.52	1.55	1.32	5.80	14.86	6.06	74.69
TOTALS	55.27	57.90	49.07	69.42	59.90	56.43	62.68	60.93	78.55	61.24	60.39	671.78

Back years 1920-1930 covered 1-10. ✓ WH. Report reasonable.

Position of Station on reduced Ordnance Survey Map, | No. of Map..... Reference No.....
1 mile to 1 inch Series.

RAINFALL at Auchter Castle (Moffat)

County of Dumfries

Observer Sir W.R. Younger, Bart.

River Basin. N. Annan

Type of Gauge.

Annual Average 53.2 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S

Diameter										5	
Height										1.0	
Altitude										140 506	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.04	10.83	9.21	10.21	3.20	6.97	10.13	11.43	6.44	2.08	15.54
February	4.95	10.04	4.18	3.32	7.33	2.53	5.09	4.39	9.16	1.92	39.91
March	1.97	3.85	3.27	3.16	2.01	3.56	2.06	4.25	4.66	5.07	32.86
April	2.52	5.01	2.93	4.07	4.34	1.28	3.11	.68	2.01	3.08	29.03
May	4.51	3.36	3.26	4.30	1.92	.93	2.30	6.18	.78	1.60	28.14
June	7.85	2.20	2.28	1.98	4.98	2.69	4.35	8.40	4.45	1.25	40.43
July	5.08	6.31	7.36	2.86	1.67	6.54	4.64	6.88	7.01	6.72	55.07
August	2.25	1.74	2.72	6.94	3.16	3.24	4.31	3.09	1.23	1.54	30.22
September	1.54	5.30	1.38	8.07	7.23	5.92	3.18	4.40	2.06	4.10	43.18
October	4.76	8.30	3.38	10.38	8.81	4.82	5.23	10.46	2.91	6.07	65.12
November	12.43	5.06	2.39	1.41	6.08	4.98	1.54	13.51	10.09	6.69	64.18
December	5.90	13.39	1.35	10.48	3.36	9.32	4.12	5.05	2.67	6.92	62.56
TOTALS	57.80	65.39	43.71	64.18	53.09	52.78	50.06	78.72	53.47	47.04	566.24

Back years 1931-1938 received 1/10. Not record reasonable

1940. Tree 30' high 50' N.E.

20' S.E. 80' S.E.

Bankie 150' 150' S.E.

Shruberry 15' 65' W.S.W.

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
1939			Beattock	2 m. S.S.E. 2 m. N.N.W.	S.S.E. N.N.W.	Moffat. Kirkgunzeon	2 m. E. 3 m. N.N.W.

RAINFALL at Moffat (Auchen Castle) newgauge
 County of Dumfries Observer Sir W. R. Younger Bart.
 River Basin N. Annan
 Type of Gauge Snowdon.

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

Diameter										5
Height										1.0
Altitude										480'
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 Means
January										
February										
March										
April										
May										
June										
July										(670)
August										152
September										405
October										593
November										657
December										690 X
TOTALS										imp.

1940. Tree 30' height 50' N.E.

" 20' " 80' S.E.

Bastle 30' " 150' S.E.

1940 Station terminated

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

BRITISH RAINFALL ORGANIZATION

Station No. 50364+

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RAINFALL at Moffat (Auchen Castle)

County of Dumfries

Observer Sir W.R. Younger, Bart.

River Basin N - Ayrshire

per Mr. A. Waugh M. James. Corbett for

Type of Gauge Standard 6"

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

58.2 Commence rainfall 1st Nov 1950 File No.

Diameter	5"				615	855					
Height	1'0"					1					
Altitude	506			480'		41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.03	6.70	7.29	6.88	3.82	8.58	6.01	8.06	7.36	4.54	6032
February	4.19	1.57	5.65	1.99	8.18	3.98	(0.75)	5.98	6.05	5.00	4334
March	2.96	4.48	1.81	.51	3.66	3.24	(5.17)	4.87	1.28	6.04	3402
April	1.81	3.45	3.87	2.89	2.23	1.85	10.19	4.44	6.20	4.61	4154
May	3.80	5.65	4.72	2.49	5.89	1.29	4.41	2.05	2.98	1.83	3511
June	0.91	1.38	4.06	4.08	4.13	4.91	4.79	7.02	1.37	3.03	3568
July	3.30	3.31	3.90	4.33	4.58	4.11	5.30	3.42	2.35	5.70	4030
August	6.44	6.46	7.17	3.85	1.59	4.00	0.00	(7.56)	4.34	7.69	4910
September	2.80	6.19	4.47	4.99	7.16	9.45	4.49	6.57	3.13	13.58	6283
October	5.24	8.66	9.98	5.45	5.99	.56	1.62	5.35	7.14	4.44	5143
November	5.59	1.77	2.88	9.30	3.2	9.83	8.82	5.28	6.78	4.21	5478
December	3.00	9.90	2.87	6.68	4.34	4.82	2.26	8.48	11.11	2.20	5566
TOTALS	41.12	56.52	58.67	53.44	51.89	56.62	53.81	69.08	60.09	62.87	56411
	D	D	D	D	D	d	D	D	D	d	HB

1945. Observer says the present site (to which gauge was moved about 20 years ago) is at 480 ft. The earlier site was at 506 feet.

1947 Feb estimated and bear adj. for snow and part est. 1948 Aug part est. 1950 - Print with
gauge. Daily record unavailable.

1950. Not added to monthly. (By D.J. Smith competition).

30004 00204

1950. Estimated by A.B. Thomson 21.8. (see 20118 fl. E 11792 lbs). Jan est. with Feb. dec. est.
for snow loss see over

Position of Station on reduced Ordnance Survey Map, No. of Map Reference No. NT (36) 061048
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

(St. Margaret's) S.E.T. 53°52'. Station No. 5036/4

RAINFALL at Moffat (Anker Castle) ✓

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County of Dumfries

Observer Boundary

River Basin 4 - Annan

Obs. by James Gorlett, Esq.

Type of Gauge M.O.

Annual Average 53.55 in. based on 3.5 years obs. un-weighted. Period of average 1916-1950 Ref. A.W.S.
 At no logo graphic MR. 10th b
 57.43 in. based on 25 yrs. 1916-1950 File No. P

Diameter	5"	615	800								
Height	1' 0"										
Altitude	480' 463' 463'	480' 463'									
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	6.29	4.73	1.91	4.90	3.63	3.49	8.85	6.15	2.78	6.24	
February	3.82	6.4	1.99	3.20	(1.68)	1.07	4.77	4.50	1.90	8.85	
March	2.93	2.28	.95	3.92	(2.11)	2.60	4.55	1.79	4.87	2.22	
April	4.92	3.77	3.57	1.26	2.36	.96	2.48	1.56	4.06	6.38	
May	2.27	2.45	3.46	5.58	4.20	2.91	2.43	3.71	1.39	3.06	
June	2.42	2.94	1.32	4.25	2.66	4.20	1.49	3.42	4.34	3.74	
July	2.81	1.85	8.99	3.87	1.84	5.16	4.57	5.82	5.28	5.06	
August	8.18	4.06	3.46	5.16	(1.60)	8.32	5.48	5.30	1.17	5.44	
September	6.39	1.92	5.41	7.58	(3.86)	6.32	3.78	7.30	1.44	3.73	
October	0.80	6.09	4.58	12.00	2.99	4.62	5.56	4.35	7.22	3.29	
November	10.21	2.94	8.66	10.20	3.23	2.53	2.73	1.93	10.64	8.32	
December	9.61	3.99	4.50	6.65	6.33	7.23	5.12	5.12	9.94	6.32	
TOTALS	60.65	37.66	48.80	68.92	6	48.36	51.81	50.93	55.03	62.65	
	d	d	D	D	D	d	d	d	d	Dd	

1952. Gauge moved to St. Margaret's 5/3/52 one mile due south.

1955. Retro fit adj for snow. Avg power and app'd Sept.

1955 N.g. & R. changed Dec 1926

1955 G. slightly dented. D/S to W - two trees elev 40°-50°
W E and SW. River Sot W into hollow - rising ground E-S-W-NW

Also use to E for 30'. New site excellent.

12.10.59 G. buried as recd.

303.04 QH

Mile 52.

Position of Station on Ordnance One-Inch map :

No. of Map.....

Anker Castle

National Grid Reference T. (100) 601048

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓		D 39 + 60	✓	✓