

RAINFALL AT Moffat Auchin CastleLat. 56 78Lon. 3 57County of Dumfriesshire

Rain Gauge, by

Observer

Mr W. McAdamArea - 4.

Diameter . . .						5	.	.	5		
Height						6	.	.	6		
Altitude . . .						500	.	.	500	T	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . .						3.04	3.97	2.30	4.25	8.91	
February . . .						.61	3.05	5.74	5.54	4.96	
March						3.99	6.25	10.30	2.51	5.92	
April						2.60	2.66	3.83	5.30	5.19	
May						1.11	.56	2.55	2.95	4.46	
June						1.51	3.59	5.43	3.80	2.29	
July						6.58	5.31	4.55	.92	3.70	
August						5.85	2.86	7.92	6.68	1.77	
September . .						1.20	6.81	3.69	3.71	5.08	
October						4.14	4.46	3.94	5.53	5.51	
November . . .						7.94	2.09	5.36	5.72	9.61	
December . . .						5.77	7.82	12.31	11.21	4.78	
TOTALS . . .						44.34	49.43	67.92	58.12	62.18	

Moffat Church 1 3/4 miles E.

RAINFALL AT Moffat Auchin Castle

Lat. 55° 26' N

Lon. 3° 47' W

County of Dumfriess

Rain Gauge, by

Observer

Mr W McAdam

Mr J. Macgregor (CR)

Innan - 14.

Diameter ..	5											
Height	0 6											
Altitude ..	500											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
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	2.58	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	50.59	
September ..	5.33	4.85	3.25	4.24	3.07	2.48	1.21	.99	6.98	2.87	35.27	
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	55.12	35.1

1900 Moffat church 2 miles E

Cyprus Tree 128 ft high 9 ft N

1903 Beathoch Station 2.9 miles SE

1908 Kirkpatrick Church 2 1/2 miles SE

Shrubs 6-9 ft high 2 1/4 yards N + S

1909. Corrected for wrong day.

Hick

RAINFALL at Moffat, Auchen CastleCounty of Dumfries Observer Mrs. J. Macgregor
River Basin Eden Arman 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	5.133	23.33
February ...	8.24	7.98	4.60	4.05	8.65	7.38	5.64	1.12	8.25	.95	5.686	5.96
March	4.85	1.85	6.81	6.94	7.01	2.57	2.00	2.27	1.56	3.69	3.955	9.52
April	4.39	4.97	1.20	5.72	3.41	2.91	3.59	2.69	.74	3.21	3.283	10.23
May	2.43	4.01	1.36	3.91	2.57	1.42	5.14	3.30	2.36	1.65	2.815	12.45
June	2.50	3.03	5.94	3.65	1.07	1.74	2.44	3.61	1.49	3.13	2.860	10.67
July	5.95	2.17	3.72	.80	3.39	4.83	4.95	1.84	3.95	1.25	3.285	11.92
August	8.44	3.45	4.32	2.02	4.44	4.91	4.35	7.47	3.42	3.92	4.674	19.16
September ..	1.24	2.56	2.36	2.67	2.11	1.50	2.48	4.45	7.30	4.43	3.110	18.66
October ...	3.92	5.09	4.98	4.61	1.80	2.98	10.02	7.74	8.56	2.39	5.209	28.71
November ..	3.75	6.83	4.52	6.81	7.48	3.03	5.87	6.37	6.17	4.67	5.450	22.08
December ...	5.74	9.12	11.75	4.19	9.05	7.83	5.25	3.33	6.47	10.04	7.277	25.07
TOTALS ...	57.41	54.14	55.92	50.92	56.21	44.92	60.34	45.91	57.38	44.22	52.737	20.78

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 (1911)	Moffat	(1914) 2 m.	NE.
1914	55° 22'	3° 20'			S. (1914)	1913 Kirkpatrick Juxta	3 mls.	S.

5036/4
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RAINFALL at Anchen Castle Moffat

County of Dumfriess 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	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	1930
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	3.30	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	2.25	1.51	2.45	35.50
May	6.74	3.07	4.26	3.57	4.67	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	3.32	9.18	4.36	7.69	5.56	6.93	10.99	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	63.55
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 1.40. ✓ WH. Record reasonable

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.

RAINFALL at Auchen Castle (Moffat)County of DumfriesObserver Sir W.R. Younger, Bart.River Basin H. Annan

Type of Gauge

Annual Average 53.2 in. based on 26 years obs. un-weighted. Period of average 1891-1915 Ref S

Diameter									5		
Height									1.0		
Altitude									⁴⁹⁰ 506		
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	75.54
February	4.95	10.4	4.18	3.2	7.33	2.53	5.09	4.39	9.16	1.92	39.91
March	9.7	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	6.65	2.01	3.08	290.3
May	4.51	3.36	3.26	4.30	9.2	9.3	2.30	6.18	7.8	1.60	281.4
June	7.85	2.20	2.28	1.98	4.98	2.69	4.35	8.40	4.45	1.25	404.3
July	5.08	6.31	7.36	2.86	1.67	6.54	4.64	6.88	7.01	6.72	550.7
August	2.25	1.74	2.72	6.94	3.16	3.24	4.31	3.09	1.23	1.54	302.2
September	1.54	5.30	1.38	8.07	7.23	5.92	3.18	4.40	2.06	4.10	431.8
October	4.76	8.30	3.38	10.38	8.81	4.82	5.23	10.46	2.91	6.07	651.2
November	12.43	5.06	2.39	1.41	6.08	4.98	1.54	13.51	10.09	6.69	641.8
December	5.90	13.39	1.35	10.48	3.36	9.32	4.12	5.05	2.67	6.92	625.6
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 1931-1939 received 1/10. SW Rain gauge

1940. Tree 20' high 50' N.E.

" 20' 80' S.E.

" 30' 150' S.E.

Shrubbery 15' " 65' W.S.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.
1939			Beattick	2m.	S.S.E.	Moffat.	2m	E.
				2m.	N.N.W.	Kirkpatrick	3m.	N.N.W.

5036/4/1

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RAINFALL at Moffat (Auchen Castle) new gaugeCounty of DumfriesObserver Sir W. P. Younger Bart.River Basin 4. AnnanType 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	
TOTALS										mp. imp.	

1940. Tree 30' high 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.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION

Station No. 503614

RAINFALL at Moffat (Auchen Castle)

41

County of Dumfries

Observer Sir W. R. Younger, Bart.

River Basin H - Annan

per Mr. A. Waugh & James Corbett for

Type of Gauge Standard 5"

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

58.2 Correlation coefficient 1891-1950

File No.

Diameter	5"					615	855				
Height	1'0"						1				
Altitude	505			480'			41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.08	6.70	7.29	6.88	3.82	8.58	6.01	8.06	7.36	4.54	6032
February	4.19	157	5.45	1.99	8.18	3.98	(6.78)	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 Nil	(7.56)	4.34	7.67	4910
September	2.80	6.19	4.47	4.93	7.16	9.45	4.49	6.57	3.13	13.58	6283
October	5.24	5.66	9.98	5.45	5.99	.56	1.62	5.35	7.14	4.44	5143
November	5.59	1.77	2.88	3.30	.32	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

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 query. Daily record unreliable.

1950. Not used in report. (By J. O. S. computer).

30004 00304

1950. Inspected by A. B. Thomson 21.8. (see 2018 B fl. E 11792 for). Jan. off. with Feb. obs. est. for snow loss. see over

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series

No. of Map

Reference No. NT (36) 061048

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

~~(St. Margaret's)~~

£ 5,352.

Station No.

503614

RAINFALL at

Moffat (Auchen Castle)

51

County of Dumfries

Observer _____

River Basin, 4 - Annan

Type of Gauge..... M.O.

Annual Average 52.35 in. based on 35 years obs. un-weighted.

Period of average

1891-1915

Ref. AWB

Ar. no longer applies MR 12.1.1

1916-1950
File No.

File No.

Diameter	...	5"				615	800					
Height	...	1' 0"					1					
Altitude	...	480'	463'	463'	480'		51					
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	.64	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	5.46	(1.60)	8.32	5.48	5.30	1.17	5.44	
September	...	6.39	1.92	5.41	7.58	(3.86)	6.02	3.78	7.30	1.44	3.73	
October	...	0.80	6.09	4.58	12.00	2.99	4.52	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	7.29	5.12	5.12	9.94	6.32	
TOTALS	...	60.65	37.66	48.80	68.97	58.49	48.36	51.81	50.93	55.03	62.65	
		d	d	D	D	d	d	d	d	d	Dd	

1952 Grange moved to 24. Margaret to 5/3/52 one mile due south

1955. Feb to Mar adj for snow. Aug post col. and app'd Sept.

1958 10.9.12 changed Dec encl 1924
by 12.10.58 C. Schicklik done

Nr 170 - 1 SW. Note 50% W line boundary - rising 8-9m to S = 41 MW

Also use to be for 30k. New site excellent.

12.10.59 G. Moved as recd.

50304

Move 52

* St. Margarets 36/068038

Position of Station on Ordnance One-Inch map :

No. of Map.....

Brychan Castle
National Grid Reference NT 46 061048

[illegible]

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	✓	✓	✓	✓	
	✓		D 39 + 4.0	✓ bound 46, 47, 50	