

RAINFALL AT Moffat Erie Station

Lat..... Long..... County of Dumfries.....
 Rain Gauge, by..... Observer Mr. Welsh.....

Annan - 14.

Diameter.....											
Height											
Altitude.....							550				
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	5.55	5.59	4.78	11.60	7.60	12.80	3.90	14.80	6.30	1.60	8.452
February.....	7.59	6.88	7.11	1.30	4.10	2.60	6.90	5.20	3.80	3.00	4.648
March.....	2.43	4.57	5.76	3.40	3.40	2.60	7.50	2.70	3.20	3.50	3.906
April.....	1.85	3.66	1.52	3.30	5.00	1.60	3.70	3.30	1.60	1.40	2.393
May.....	5.25	1.16	3.05	2.25	1.40	2.20	9.0	4.10	4.80	2.80	2.791
June.....	1.48	3.27	2.69	1.70	1.90	3.50	3.70	4.70	3.50	6.30	4.079
July.....	1.95	5.30	4.51	9.30	3.90	3.10	1.00	4.20	.50	4.90	3.866
August.....	1.99	3.66	3.84	5.35	9.26	5.40	5.10	4.90	3.80	6.60	4.784
September....	4.87	1.06	7.45	4.25	7.26	9.40	2.80	3.70	6.00	6.20	5.293
October.....	8.56	5.49	5.76	7.50	12.10	5.80	6.10	7.90	5.70	2.40	6.681
November....	2.63	3.27	9.03	3.90	5.60	7.30	4.40	12.30	2.60	1.50	5.253
December....	1.85	8.19	14.50	5.10	6.70	8.00	11.30	6.30	7.60	4.50	7.344
TOTALS.....	(4600)	52.1	86.0	5600	67.50	63.80	57.30	74.10	49.40	44.70	59.670

^{too little}
 (52.20)(56.70)

1870 estimated from Kirkpatrick Juxta, Broomlands
 Drumlanrig Castle & monthly distribution
 from Broomlands alone

1874 & 1875 Estimated (Windermere 1912)

RAINFALL AT Moffat, Crichton

Lat. _____

Lon. _____ County of Dumfries

Rain Gauge, by _____

Observer M. Welsh

Annals - 14.

Diameter											3
Height											-6
Altitude	550										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	3.00	1.00	5.65	9.20	10.70	5.30	6.75	4.35	4.65	3.40	5.400
February	7.60	4.20	6.70	7.80	9.25	9.70	3.60	3.45	1.20	2.80	5.630
March	2.90	4.30	5.60	3.65	6.60	3.85	6.05	1.20	3.90	2.80	4.085
April	6.60	1.80	7.30	1.80	1.30	3.80	2.50	2.40	3.30	2.40	3.340
May	2.00	4.60	2.85	3.00	5.00	2.60	4.85	1.43	2.60	3.05	3.198
June	1.70	5.60	4.80	2.60	1.00	1.05	.60	.90	1.90	1.40	2.155
July	2.20	4.20	8.45	4.25	6.95	1.80	4.00	4.35	4.10	3.30	4.360
August	1.10	4.70	2.70	6.45	1.50	3.90	2.90	2.40	3.90	4.50	3.405
September....	6.40	3.40	4.15	3.30	3.90	8.80	6.05	3.50	2.00	2.10	4.360
October.....	2.10	3.00	4.30	7.80	4.20	4.70	4.80	1.90	4.00	6.00	4.280
November....	7.70	11.30	6.75	8.00	3.50	3.65	8.30	5.10	9.40	2.35	6.605
December....	3.70	6.20	6.20	11.60	7.60	3.15	5.60	6.20	7.10	7.80	5.815
TOTALS	47.00	54.30	65.45	62.45	61.70	52.30	56.00	37.18	48.05	41.90	52.633

RAINFALL AT Moffat Crustane

Lat.

Len.

County of

Dumfries

stana - 4

Fleming Rain Gauge, by

Observer

J. J. Welsh Esq

Diameter	3										
Height	0.6										
Altitude	550									580	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	10.70	4.80	5.60	3.60	11.50	3.60	3.20	1.90	3.80	6.90	5.560
February40	.90	3.35	8.50	12.80	1.30	3.80	5.70	5.00	6.30	11.795
March	2.80	4.35	1.20	2.00	3.90	6.50	6.20	8.80	1.80	5.50	11.805
April	1.85	2.15	1.30	2.00	2.50	2.60	2.50	3.00	4.90	5.20	2.800
May	2.60	2.00	5.40	3.90	2.40	.30	.20	3.40	2.20	3.70	2.610
June	4.00	2.40	1.10	2.90	3.10	1.30	3.40	4.70	2.90	1.60	2.710
July	2.00	1.60	2.80	3.40	2.40	7.30	4.60	2.30	.90	3.50	2.080
August	1.40	7.10	6.70	6.10	1.80	3.20	2.50	8.85	5.20	2.30	11.515
September	3.60	6.60	2.90	2.50	00	.10	6.00	3.10	3.30	4.90	3.300
October	3.05	8.00	4.25	4.10	3.70	4.85	4.70	3.10	5.50	4.40	4.565
November	10.10	5.05	6.90	3.00	8.70	9.50	2.50	4.70	6.70	10.80	6.795
December	2.10	11.70	2.70	9.30	7.10	5.50	6.80	19.00	8.60	3.40	11.720
TOTALS	44.60	56.65	44.20	51.30	59.90	46.05	46.40	68.85	50.80	57.50	(51.695)

(59.55)

avg from 1899

1897 Dec. Observer thinks that there was no mistake in the record as it was a very wet month with two floods which did more damage than any others in 24 years

Dec. 1897 Probably 9 in. too big ch. XI 11.

RAINFALL AT Moffat Ericstane

Lat.

Lon.

County of

Dumfries

Snowdon Rain Gauge, by

Aman - 4.

Observer

J. J. Welsh Esq.

Diameter										5
Height										1.0
Altitude										580 T
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899 MEANS.
January										6.57
February										5.62
March										6.24
April										4.86
May										3.77
June										1.93
July										3.65
August										2.36
September										3.29 5.02
October										5.47 4.74
November										6.16 9.99
December										7.48 3.37
TOTALS										58.12

within a foot of the Flaming gauge

RAINFALL AT Moffat Enclosure

Lat. $55^{\circ} 23' N$ Lon. $3^{\circ} 29' W$

County of Dumfries

Herring Rain Gauge, by

Observer Mr J. J. Welch

Anneal - 44.

Diameter ..	3										
Height	0.6		1.0								
Altitude ..	580 T			575							
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.EANS.
January ..	7.20	3.70	4.60	8.00	5.60						
February ..	3.70	1.90	2.20	8.53	4.40						
March ..	1.40	3.25	3.00	12.60	4.20						
April ..	4.60	4.20	3.00	12.23	5.60						
May ..	4.40	2.20	2.00	1.70	3.30						
June ..	4.70	4.00	1.30	2.47	4.30						
July ..	3.30	1.70	2.50	3.92	3.60						
August ..	3.80	5.70	2.80	6.67	5.10						
September ..	4.60	5.20	3.20	3.64	3.80						
October ..	5.70	5.30	3.50	11.45	2.80						
November ..	5.80	5.20	3.90	3.36	2.40						
December ..	13.80	6.00	7.90	4.78	5.00						
TOTALS ..	62.00	48.35	39.90	68.26	50.10						

RAINFALL AT Moffat Euston

Lat.

Lon.

County of Dumfries

Snowdon Rain Gauge, by ft^3

Observer Mrs J. J. Welsh

tanam - ft.

Euston Cameron

Diameter ..	5										
Height	16								10		
Altitude ..	580 ft								600		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	7.18	3.78	3.58	8.00	5.15	3.12	6.70	2.83	6.23	6.32	5289
February ..	2.86	1.55	2.23	5.53	4.37	3.49	3.75	4.25	3.85	2.54	3.742
March ..	.47	3.11	3.07	12.50	4.53	6.80	3.47	5.24	7.59	4.58	5.136
April ..	4.90	4.40	2.86	1.23	5.53	3.99	1.66	3.24	1.84	4.29	3.394
May ..	4.57	2.35	2.22	1.70	2.30	3.18	6.41	5.29	3.21	2.73	3.496
June ..	4.85	4.16	1.31	2.48	3.99	2.25	1.77	5.03	3.35	3.62	3.281
July ..	3.52	1.79	2.20	3.92	3.68	2.05	2.64	3.06	2.93	5.05	3.084
August ..	4.07	5.88	2.74	6.67	5.03	3.99	8.32	5.64	4.66	2.02	4.902
September ..	4.38	4.77	3.22	3.64	3.47	2.26	1.42	.75	7.27	2.25	3.343
October ..	5.66	5.81	3.52	11.45	2.71	3.60	7.30	8.99	1.93	11.14	6.211
November ..	5.38	4.62	3.80	3.36	2.03	4.93	4.98	2.95	4.24	1.55	3.784
December ..	12.04	6.33	7.11	4.78	5.05	3.77	3.81	5.86	4.92	6.23	5.090
TOTALS ..	59.88	48.55	37.86	68.26	48.84	43.43	52.23	53.13	52.02	52.32	51.652

D → N W D

1907 Moffat Church 4 miles S
 " Station 4 " S
 tree 58 ft high 40 gr W

RAINFALL at Moffat, Ericstane

County of Dumfries Observer Mrs. J. J. Welsh
 River Basin Edder - Annan 3.
Snowdon Rain Gauge, by _____

Diameter ...	5										
Height	1	0									
Altitude ...	600 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.81	2.85									
February ...	7.45	7.41									
March	5.16	2.02									
April	5.17	5.17									
May	2.15	3.96									
June	2.01	2.69									
July	6.19	1.86									
August	7.13	3.32									
September ..	1.34	2.00									
October ...	3.93	4.32									
November ..	3.17	7.34									
December ...	5.62	11.02									
TOTALS ...	54.13	53.96									

Craigielands and its
average (1910)

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Moffat	4 miles.	SW.	Moffat	4 miles.	SW.