

RAINFALL AT *Moniaive Macwellton House*

Lat.

Lon.

County of *Dumfriess*

Rain Gauge, by

Observer *Per. Li. E. Evans. Bart**with r.c. - 3.*

Diameter									8		
Height									1.2		
Altitude									400		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									5.09	2.99	
February									1.01	2.23	
March									2.45	2.70	
April									1.53	2.83	
May									3.78	3.44	
June									2.64	1.27	
July								# 3.64	6.29	6.27	
August								3.95	4.12	5.09	
September....								5.24	1.07	1.86	
October								1.19	3.04	5.54	
November....								5.30	8.79	2.87	
December								5.17	5.82	5.03	
TOTALS	45.63	42.12	

Glencordni 1 Mile W
House 50 feet high 60 feet N

RAINFALL AT *Moniaive Maxwellton Gardens*

Lat.

Lon.

 County of *Dumfriesshire*

Rain Gauge, by

 Observer *Rev. L. E. Hume, Bart*
W. H. R. - 3.

Diameter										5		
Height										1.4		
Altitude										380	350T	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January									5.09	2.99		
February									1.01	2.23		
March									2.45	2.70		
April									1.53	2.83		
May									3.78	3.44		
June									2.64	1.16		
July									6.29	6.16		
August									4.26	5.55		
September....									1.06	1.87		
October									3.02	5.31		
November....									8.79	2.78		
December									5.82	4.94		
TOTALS									45.74	41.96		

Glencairn Church 1 mile W

RAINFALL AT *Moniave Maxwellton House*

Lat. _____

Lon. _____

 County of *Dumfriesshire*

Rain Gauge, by _____

 Observer *Rev. E. Lamm Bt*
with re-3.

Diameter	8										
Height	1 4		1 2								
Altitude	400 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.89	3.62	2.55	1.92	6.43	2.34	2.91	2.28	3.25	7.09	3.928
February	1.33	.23	2.57	5.86	8.74	1.30	3.06	2.88	4.45	3.65	3.107
March	2.69	4.55	1.37	2.26	2.84	4.21	5.28	7.25	1.18	5.47	3.700
April	1.32	3.23	1.25	1.42	3.42	3.30	2.29	3.13	4.10	3.87	2.733
May	3.82	2.54	4.61	3.93	2.98	.30	.52	2.72	2.93	4.80	2.915
June	4.85	1.37	3.66	1.58	3.64	1.22	3.02	4.48	2.23	2.76	2.881
July	4.10	1.24	2.31	3.84	2.51	5.81	5.53	2.15	.49	2.97	3.095
August	3.03	6.46	7.88	5.31	3.81	4.95	2.02	7.22	5.49	3.14	4.931
September....	4.10	5.41	4.45	1.96	.25	.72	5.65	3.91	3.46	3.16	3.307
October	1.94	9.96	4.28	5.34	5.05	4.59	4.14	3.12	3.75	4.05	4.622
November....	10.24	6.34	5.18	2.95	6.03	6.19	1.44	3.84	5.26	8.11	5.557
December	1.72	6.35	2.15	6.28	4.55	4.94	6.85	10.04	6.88	4.12	5.378
TOTALS	45.93	51.30	42.26	42.65	50.25	39.77	42.71	53.02	43.46	53.19	46.1154

1890 Glencairn 1 mile N

1892 Carpharnock 5 " SW

1894 House 50 ft high 60 ft N

RAINFALL AT *Moniave Macwelton Garden*

Lat. _____ Lon. _____ County of *Dumfries*

Rain Gauge, by _____

Observer *Rev. Dr. E. Laurie Post*

224 TC - 3.

Diameter	5							6			
Height	1 4										
Altitude	350 T							350			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.97							2.60			
February	1.22							4.10			
March	2.42							6.87			
April	1.30							3.29			
May	3.82							2.54			
June	4.85							4.67			
July	4.10							2.23			
August	3.04							7.34			
September....	4.18							4.02			
October	1.95							3.18			
November....	10.22							4.11			
December	1.66							9.48			
TOTALS	45.73							54.43			

1897 200 yds. from other gauge & more exposed to S.W.

RAINFALL AT *Moniaive Maxwellton House*

Lat.

Lon.

County of *Dumfriess*Rain Gauge, by *James*

Observer

*Rev. Sir E. Laurie Bart.**with rc - 3.**David Brougham*

Diameter ..	8								5		
Height	1.2			1.6							
Altitude ..	400										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.78	3.71	3.20	8.49	4.66	2.73	5.73	2.27	5.76	6.56	4789
February ..	4.82	1.36	2.93	6.41	4.20	3.41	3.47	3.21	3.35	2.03	3519
March32	2.49	3.14	11.66	3.46	5.76	3.39	4.48	7.08	5.03	4681
April	2.52	4.54	2.91	1.33	4.81	3.50	1.51	2.67	2.05	3.95	2979
May	4.70	2.77	2.55	2.63	2.95	2.23	6.80	5.37	3.19	2.54	3563
June	3.98	3.78	2.16	2.44	2.39	3.10	1.80	5.01	4.06	3.65	3237
July	2.47	1.60	2.40	4.19	3.77	1.45	2.93	1.85	3.89	4.79	2934
August	6.42	5.22	2.88	7.66	5.74	4.53	6.33	5.10	3.84	1.93	4965
September ..	3.38	4.77	3.35	5.01	3.68	2.10	.88	1.05	6.30	2.68	3320
October	5.59	5.77 6.11	2.96	11.59	2.24	3.59	8.22	8.32	2.22	10.15	6065
November ..	4.96	3.37 4.30	4.79	4.15	3.52	5.39	3.93	3.71	3.43	2.27	3952
December ..	8.38	5.59	6.43	4.83	4.37	3.61	3.80	6.19	5.52	6.58	5530
TOTALS ..	52.32	44.97 46.24	39.70	70.39	45.69	41.40	48.79	49.23	50.69	52.16	4954

M m n n n n

1904 Values sometimes by 6 inch and sometimes by 8 inch gauge
variation usually very slight 8 in gauge discontinued in 1905

1907 Glencairn Church 1 mile W

Crofted Station 1 SE

Tree 60 ft high 60 yards N + NE

1901 Values corrected by M.O. Edinburgh f 283932

RAINFALL at Moniaive, Maxwellton HouseCounty of DumfriesObserver Rev. Sir E. Laurie (Bt.) Bart.River Basin Nith Hb.

3.

Sir Claude & E. Laurie Bt.

Rain Gauge, by _____

Diameter ...	5										
Height	16				13						
Altitude ...	400 ⁺										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.48	2.54	7.13	6.53	4.09	4.21	7.31	2.43	6.70	4.06	4.948
February ...	7.71	5.74	4.28	3.95	8.48	11.12	5.45	1.55	5.31	.89	5.448
March	4.19	1.20	5.90	5.26	7.41	1.63	1.66	3.95	1.80	4.12	3.712
April	3.68	4.53	.82	5.27	2.50	3.05	3.17	2.56	.61	1.89	2.808
May	2.26	3.32	1.75	5.44	2.56	1.67	4.87	3.49	2.41	.97	2.874
June	2.10	3.65	5.10	2.78	.42	1.48	1.70	2.50	1.53	1.90	2.316
July	6.02	2.06	3.22	.83	3.60	4.69	4.49	1.53	3.12	.91	3.047
August	9.28	3.69	4.31	1.93	4.52	2.26	4.74	6.12	3.35	3.20	4.340
September ..	1.45	2.12	2.14	3.20	1.58	1.51	2.02	3.63	5.75	2.93	2.633
October ...	2.90	4.69	3.97	3.59	2.21	4.68	8.60	7.69	5.96	1.74	4.603
November ..	4.45	6.49	3.63	6.00	6.54	3.38	5.33	4.80	5.87	3.09	4.958
December ...	7.12	9.96	9.55	4.09	8.92	8.84	5.58	2.76	4.91	6.16	6.789
TOTALS ...	55.64	49.99	51.80	48.87	52.83	48.52	54.98	43.01	47.32	31.86	48.416

D D D D D

1911. Trees 60 to 70 feet high, 60 feet NE.

1914 " 75 ft. high.

1919 " 80 " " 60 ft. NE.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.			Grosford	1 mile	SE.	Glencairn	1 mile	W.

RAINFALL at Morriave (Macaulay house)County of DumfriesObserver Mr. Claude V. E. Laing
Fullerton (Glasgow)River Basin 3 N.E.R.C.

Rain Gauge, by _____

Diameter ...	5											
Height	16	1.5										
Altitude ...	400											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	MEANS.
January ...	6.22	6.74	6.55	3.57	6.63	5.54	7.68	4.98	10.45	2.43	8.27	
February ...	3.67	1.12	4.59	6.83	6.64	5.54	4.88	3.34	4.20	1.61	2.7	
March	4.77	6.06	2.16	2.61	1.38	1.20	1.96	4.38	6.71	7.4	3.13	
April	3.06	1.53	2.94	4.56	2.71	4.06	2.28	2.64	1.06	1.83	1.93	
May	4.96	2.75	2.51	2.23	3.79	6.14	3.64	(2.84)	1.36	3.01	1.21	
June	1.78	.33	1.64	1.33	1.58	.28	3.68	3.99	5.46	2.40	3.10	
July	4.87	5.52	4.15	4.38	4.53	2.22	3.00	5.72	1.68	4.93	4.74	
August	3.95	6.99	2.73	8.11	4.53	4.12	4.80	6.90	5.74	5.79	6.48	
September...	2.53	1.85	2.57	5.74	6.11	2.35	3.48	6.16	1.89	.58	4.38	
October	2.85	3.72	2.38	7.11	4.36	5.52	4.40	5.31	8.43	5.53	7.99	
November...	2.33	3.24	2.55	4.68	3.78	2.01	7.92	5.60	5.60	7.11	6.13	
December...	4.78	5.54	4.88	5.44	8.22	4.89	1.37	2.53	2.86	10.42	5.95	
TOTALS...	48.72	45.39	39.65	56.56	48.26	43.87	49.09	57.39	55.44	45.88	53.53	
	0	5	2	1	2	1	1	1	2	2	2	

1920, 8425 80ft. 60ft. off. N.E.

1928 Total 10.20 low probably due to omission. not published
show page gauge is sound. See No. 819/74/28

1929 low up (10°).

1930 low up, overclouded. 47° f 765/730.

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.	55° 11' 10"	5° 51' W	Glenfidd	1m.	N.E.	Glenfidd	1m.	W.

RAINFALL at Maxwellton House.County of DumfriesshireObserver Mr. W. Laurie Bt.River Basin 3-N. E. & C.(1931) Mr. Col. Sir G. Laurie, Bt.Type of Gauge SnowdonAnnual Average 16.3 in. based on 10 years obs. in-weighted. Period of average 1881-1915 Ref. 5

Diameter	5"										
Height	1' 3"						1' 2"		1' 3"		
Altitude	375'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	7.33	9.13	7.25	7.09	2.15	6.36	8.07	7.13	5.89	2.85	
February	5.11	.01	4.22	.37	6.04	2.76	6.34	3.06	6.24	1.75	
March	1.04	2.83	3.25	3.04	1.63	4.17	2.15	2.62	3.83	4.71	
April	2.13	4.25	2.45	3.61	3.92	4.23	3.52	.54	1.96	2.34	
May	3.90	3.42	3.61	3.75	.85	1.79	2.42	4.77	.86	1.60	
June	6.52	2.12	2.28	1.86	5.27	2.05	2.97	5.44	2.60	.94	
July	4.60	4.41	5.97	2.39	1.64	4.97	4.92	6.50	5.43	5.40	
August	2.44	2.33	1.99	6.50	2.17	2.52	2.81	1.99	1.54	1.26	
September	1.10	5.36	1.53	6.33	5.86	3.59	2.92	4.25	1.98	3.61	
October	2.95	7.68	2.63	6.01	8.10	4.86	4.75	8.41	3.43	4.99	
November	11.81	3.73	2.34	.80	7.39	6.12	1.24	9.79	8.52	5.38	
December	5.25	11.67	1.47	9.33	3.84	6.83	3.97	4.67	2.29	5.84	
TOTALS	54.18 m.	56.94 m.	38.99 m.	50.68 m.	48.86 m.	49.25 m.	46.08 m.	59.17 m.	44.57 m.	40.67 m.	

1931. Glasshouse 14' high 14' N.
Inspected 25-3-38. Gauge found to have a leak in the funnel. Gauge repaired 11/4/38.

1938. Frames 2'6" high 9' away

1940. Greenhouse 15' high 10 yds. W.

1941. Obs. discontinued after Dec. 1940 (incl. 72A. 22044+140)

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.			Crossford	1 1/2 m.	S.E.	Kirkland	1 m.	N.W.
1938			"	1 m.	S	"	1 m.	W

63-623617
Station No. 5230/5.

RAINFALL at Maxwellton House

41

County of Dumfriesshire

Observer Major Gen. J. E. Laurie Bt.

River Basin 3. Nith & C.

Type of Gauge. Snowdon

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

File No.

Diameter	5	6.23	6.17								
Height	1' 0"		1								
Altitude	350'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January						4.71	4.70	6.55	2.55	2.60	
February						2.60	.56	3.46	2.44	3.82	
March						3.10	7.06	2.95	1.13	3.58	
April						1.31	4.85	2.76	2.34	3.48	
May						1.70	5.64	1.89	2.08	2.09	
June						3.37	4.27	4.38	.79	2.97	
July						3.21	4.92	1.77	2.49	4.72	
August						4.61	.18	6.20	3.04	7.05	
September						8.39	2.92	4.83	2.41	9.24	
October						0.68	1.29	3.25	5.65	2.84	
November						6.85	4.34	3.10	5.68	3.25	
December						3.63	2.12	5.56	7.71	2.40	
TOTALS						44.16	42.75	46.70	38.31	48.04	

Obs. ceased Dec. 1940 restarted 1946.

1946. Greenhouse 15' high 10 yds W.

1947 low April and November. 1948 n.p. low. 1949 n.p. low.

1949 (1/6) New gauge installed.

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.
1946 1947			Moniaive Dumfries	3 miles 1 1/4 m	W. S.E.	Kirkland	1 mile	W.

BRITISH RAINFALL ORGANIZATION

Station No. 5030/5

RAINFALL at Maxwellton House

51

County of DumfriesObserver Major Gen. Sir J. E. Laurie St. LaurieRiver Basin 3 - river & c.Type of Gauge Standard No.

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

File No.

Diameter	5"				6.23	6.17					
Height	1' 0"					1					
Altitude	350'					51		370'			
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	4.54	4.81	1.10	4.46	3.93	3.97	5.20	6.05	2.63	4.36	
February	2.87	.97	1.07	3.68	1.13	.56	3.93	3.87	1.23	6.93	
March	3.00	2.47	.40	3.39	1.95	1.82	2.92	1.30	3.21	1.85	
April	2.59	2.25	2.38	1.22	1.46	1.30	1.87	1.04	3.87	4.72	
May	2.33	3.42	2.89	4.49	2.85	1.98	3.32	3.70	1.10	1.79	
June	1.60	2.76	1.49	3.29	2.60	2.64	1.25	4.00	3.21	2.44	
July	1.68	3.68	5.29	3.17	2.56	5.46	3.13	4.79	3.96	4.29	
August	7.48	3.34	3.25	3.75	1.62	7.50	3.50	3.92	.67	5.38	
September	4.49	1.67	5.59	5.70	3.67	4.66	2.97	5.65	1.61	4.02	
October	0.57	4.59	3.89	10.63	3.79	2.80	4.04	4.27	6.15	4.82	
November	11.33	2.66	5.41	9.64	2.41	1.20	2.87	2.00	8.40	8.23	
December	6.67	3.60	4.51	4.82	5.86	5.19	4.39	5.71	8.90	3.43	
TOTALS	49.15	36.22	37.27	58.44	33.73	39.08	38.89	46.30	44.94	52.26	
	D	D	D	D	D	D	D	D	D	D	

Ins. 17.10.58 ~~From~~ S. sound. Trees SE-NW far too close. House to N with a few yards. Steep slope S - W in that direction. Site very poor but does prefer to continue daily readings at this site. A gauge is in existence at another site in the gardens 25/821896 which is read monthly. This site will be considered a separate station (5030/51) and its values should be published.

1918 below
1959 below site very poor
Annual Average 45.02 in based on 9 yrs obs with 1946-58. Period of average 1916-50. Ref S. Registered

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference 25/821897

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951 1954.			Dumfries Thornhill	14 mi 7 mi S N.W.	Kirkland	1 mi W.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ imp 19 ✓ 6.1 2 19	✓ 6.1 imp 22. ap 27.3 ✓ 6.1 D 20.31	✓ T 14.0 D 33.635 and 37.440	✓ C 19.46. ap 4.449	

Air Ministry, Meteorological Office

Station No.

5030/51

RAINFALL at Maxwellton House Gardens

51

County of DumfriesObserver Major Gen. Sir J. E. Laurie Gt.River Basin 3- Nith & CType of Gauge H.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

File No.

Diameter ...								5"			
Height ...								1'0			
Altitude ...								350'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...									2.59		
February ...									1.39		
March ...									3.44		
April ...									3.61		
May ...									1.20		
June ...											
July ...									#		
August ...											
September ...											
October ...								4.36			
November ...								2.07			
December ...								5.80			
TOTALS ...								44.			

125 17.10.58 G. Sound. Exp sat. see note on 5030/5

14.55 up inc

1959 terminated

1959 up inc

Position of Station on Ordnance One-Inch map:

No. of Map

National Grid Reference 25/821 896

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

Summary of Earlier Records from 10-year Sheets:

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