

RAINFALL AT

Maybole Culzean Gardens

Lat.

Lon.

County of

Ayr

Rain Gauge, by

Observer

Mr David Murray

Culzean May - 6.

Diameter									9		
Height									3.6		
Altitude									100	250	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January				(26.10)					2.50	2.55	
February				(19.30)					1.00	3.20	
March				(18.30)					2.25	2.00	
April				(12.20)					1.40	1.90	
May				(16.30)					2.40	2.80	
June				(12.80)					2.00	.55	
July				(21.00)					3.35	3.10	
August				(23.00)					3.15	4.55	
September....				(25.20)					2.25	2.85	
October				(23.80)					1.55	3.00	
November....				(29.50)					4.65	2.65	
December				(30.00)					2.85	4.10	
TOTALS				(257.50)					29.35	33.25	

1891-1897

computed from Ayr Anemometer 915-100

RAINFALL AT *Maybole Culzean Gardens*

Lat. _____

Lon. _____

County of _____

Ayr

Rain Gauge, by _____

Observer _____

Mr. D. Murray
Culzean Bay - 6.

Diameter	9										
Height	3 6		3.0								
Altitude	250		200								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	14.50	2.40	2.70	1.20	4.10	1.60	2.30	1.65	2.25	4.90	
February	1.90	.30	1.70	2.70	5.80	.10	1.40	2.15	4.65	1.60	
March	2.50	2.60	.80	1.90	2.30	4.05	3.95	4.55	1.95	3.05	
April	1.60	.70	.80	1.25	1.20	2.30	2.25	2.15	2.15	2.75	
May	2.65	1.50	4.05	2.50	3.50	.35	.80	1.25	2.75	3.50	
June	3.80	.65	2.90	1.70	3.50	1.70	3.30	4.95	2.20	1.35	
July	3.40	1.00	2.50	3.90	2.20	4.10	4.95	1.80	1.00	4.20	
August	2.90	5.80	7.55	3.10	3.40	5.57	2.70	4.65	4.20	1.75	
September....	3.50	6.17	5.65	3.00	.20	1.00	4.15	3.90	3.40	4.45	
October	2.90	4.35	2.90	5.80	1.90	3.65	3.20	1.50	2.35	3.40	
November....	6.40	3.55	3.15	2.28	3.00	3.65	1.55	4.20	4.80	4.05	
December	1.40	5.95	2.40	3.85	3.60	4.90	5.70	5.25	4.75	3.90	
TOTALS	36.45	34.97	37.10	33.18	34.70	32.97	36.25	38.00	36.45	38.90	35.877

1891 Kirkcawald 2 Miles S.W.

Tronies 18 ft high 50 ft N

1890 months distributed by air

RAINFALL AT *Maybole, Culzean, ^{Castle} Gardens.*

Lat. Lon. County of *Ayr*

Rain Gauge, by Observer *Mr D. Murray*

Culzean Bay - 6.

Diameter ..	9										
Height ..	30										
Altitude ..	200										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.90	2.60	5.05	6.50	3.40	2.40	4.00	2.20	4.30	4.10	3945
February ..	2.75	1.40	.70	4.75	2.95	3.35	2.30	2.50	2.75	4.40	2785
March25	1.90	3.20	5.75	2.00	3.40	4.00	3.75	3.80	3.25	3130
April	2.50	3.25	.90	1.05	3.35	2.10	1.60	2.45	1.35	2.10	2065
May	2.50	1.30	2.80	4.45	1.80	1.70	3.75	3.75	2.40	1.50	2595
June	1.50	3.30	1.40	2.50	1.30	1.90	1.60	4.05	2.20	2.15	2200
July	3.40	1.00	2.10	2.75	2.90	2.60	2.75	2.50	3.70	5.15	2885
August	5.40	5.00	3.15	5.05	5.20	4.80	4.15	3.30	2.95	2.70	4170
September ..	3.40	3.15	4.35	2.70	3.40	3.50	1.65	.85	4.95	2.15	3010
October	5.15	5.00	2.05	7.50	2.10	3.45	6.30	6.40	1.20	6.20	4545
November ..	5.20	4.90	2.80	3.75	3.90	4.05	3.45	3.95	3.85	1.90	3775
December ..	4.45	4.05	3.10	3.60	2.65	3.40	4.75	4.20	3.95	4.10	3835
TOTALS ..	41.40	36.85	31.60	50.35	34.95	36.65	40.30	40.00	37.60	37.70	3894.0

1903 Kirkoswald Church 29 miles S.W.

Maybole Station

1909 Corrected for wrong day.

Gleenside Station 1 mile S.E.

RAINFALL at Maybole, Culzean GardensCounty of AyrObserver Mr. C. TateRiver Basin Doon & 5Mr. R. G. Hepburn (1912)West Coast StreamsRain Gauge, by Gardner & Lytle (Glasgow)Mr. Alfred J. Harrison (1919).

Diameter ...	7	8	7	8							
Height	3 0 0 3	2 8		1 0 2 8					2. 10		
Altitude ...	200			150							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.75	2.90	3.00	2.89	3.23	3.36					
February ...	5.55	5.30	2.40	2.10	4.24	5.47					
March	1.50	1.25	4.05	2.93	3.17	1.34					
April	2.70	3.35	1.55	2.65	2.41	2.32					
May	2.35	2.05	.93	2.50	1.41	.92					
June	2.25	3.15	5.75	2.33	.74	2.31					
July	4.60	2.45	1.38	.60	1.42	2.67					
August	4.45	1.95	2.85	1.07	2.94	1.93					
September ..	1.47	2.10	2.60	2.42	2.01	.73					
October ...	1.75	(2.80)	3.50	2.15	1.19	1.56					
November ..	4.45	4.85	3.80	5.19	3.69	1.80					
December ...	2.85	7.56	5.25	4.08	5.26	4.52					
TOTALS ...	36.67	(39.71)	37.06	30.91	31.71	28.93	N.O.				

D up 2 D

1911. Oct. partly estimated.

1912. Oct. 30th. g. moved 155 ft. N.

1913. Wall 15 1/2 ft. high 82 ft S

1919. Therm. screen. 4 ft. high 3 ft. N.
 6 ft. 5 ft. S.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912.	55° 21' 20"	4° 47'	Glenside	1 1/2 miles	SE	Linkoswald	2 1/4 miles	S
1914.	—	—	—	1 1/2 miles	SEE	—	2 1/2 miles	S.W.
1919.	—	—	—	1 1/2 miles	E	—	2 1/2 miles	S.W.

RAINFALL at Maybole, Gulyean Castle GardensCounty of AyrObserver Mr A. J. Harrison
(3rd Gardner)River Basin Gulyean Bay 6.1920 " W. J. Orr " " "(1926) Snowdon Float Rain Gauge, by Gardner & Eyle (Glasgow)
1926. 8' snowdon

Diameter ...	8					8"						
Height	2.10					2' 10"	1.3					
Altitude ...	150		138			138						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN	
January ...	4.64	7.88	4.15	3.84	5.11	3.53	3.91	5.73	9.25	2.47	5.34	
February ...	4.33	5.9	4.55	4.97	6.4	4.31	3.21	1.65	3.49	2.16	2.5	
March	4.63	5.53	1.47	1.41	1.50	1.63	2.72	3.43	3.03	96	2.52	
April	2.04	1.17	2.02	2.69	2.27	3.23	1.81	3.14	1.12	1.91	1.33	
May	4.63	1.92	3.58	1.28	3.92	6.48	2.26	2.32	1.70	2.91	1.83	
June	2.19	5.8	3.17	1.93	2.27	5.55	1.57	4.34	4.13	2.70	2.61	
July	4.52	4.51	2.48	3.86	2.55	2.09	2.93	2.31	2.62	4.15	2.80	
August	3.90	4.76	2.72	6.48	3.82	2.46	3.15	4.13	3.17	5.47	6.16	
September...	2.56	1.66	1.78	6.05	6.06	2.41	4.57	5.85	4.97	1.27	3.49	
October	3.18	4.25	1.94	4.81	2.59	3.71	5.01	5.08	6.95	5.63	6.90	
November...	2.42	2.27	2.36	4.61	2.77	1.62	3.73	5.26	5.97	5.65	5.37	
December...	3.06	6.85	2.85	4.48	4.67	4.18	2.32	90	3.58	9.24	4.08	
TOTALS...	42.10	42.17	33.07	46.41	38.17	36.20	37.19	44.14	49.98	44.52	42.68	

1920 Two Apple Trees 9 ft + 6 ft high 6 ft S.W. + S.E.

Thermometer screen 4 " - S - N.

1926. Gauge moved Jan. 1st 17 ft. N.W.

1920 Tree 11' high 7' N.

Ther. screen 4 " + 11' S.E.

Position of Station on reduced Ordnance Survey } 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	56° 21' 20"	4° 47' 0"	Gleniside	1 1/2 mi	S E	Hirkswald	2 1/2 mi	S.W.

RAINFALL at Maypole (Culzean Castle Gardens)County of Arg. Observer W.T. Orr.River Basin 6 - Culzean Bay & C.Type of Gauge SnowdonAnnual Average 34.4 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. B. 31

Diameter	8"											
Height	1' 3"											
Altitude	138'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.83	6.06	3.53	5.20	3.02	3.89	5.20	6.10	2.90	(2.91)		
February	4.20	.03	3.89	.63	5.28	1.86	4.79	2.36	5.14	1.95		
March	.97	2.12	3.59	2.94	1.70	1.76	.85	2.13	3.72	6.28		
April	1.46	2.96	1.87	2.82	2.36	.74	2.03	.43	2.06	2.19		
May	2.39	2.43	2.72	3.93	.80	3.67	.95	2.62	.51	1.88		
June	6.31	1.74	1.53	2.16	3.30	2.29	3.27	4.77	1.82	1.33		
July	3.53	3.83	3.02	1.77	1.71	6.17	3.99	6.62	3.31	4.82		
August	1.89	2.02	3.82	4.88	1.77	3.60	2.48	1.44	2.64	2.40		
September	1.24	4.74	0.71	4.39	4.51	4.62	1.12	3.20	2.02	7.65		
October	3.53	5.94	2.56	7.01	7.64	5.27	3.00	9.09	1.36	3.98		
November	7.60	4.36	1.53	1.61	5.39	3.52	.38	5.05	7.53	5.18		
December	4.44	9.79	1.71	6.44	3.17	5.23	1.82	2.60	2.60	5.88		
TOTALS	41.39	46.02	29.98	43.78	40.65	42.62	29.88	46.41	35.61	46.41		
	S.	D	29.98	D	D	2	D	D	0	D		

1931. See 11' high 9' N. Thermometer screen 4' high 11' S.E.

1940 Jan. values corrected for snow.

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
1931.			Glenside	1½m	S.E.	Kirkoswald	2½m	S.

RAINFALL at Maybole (Culzean Castle Gdns) Station No. 5264 41

 County of Ayr Observer Mr W. J. Orr

 River Basin 6-Culzean Bay & C.

 Type of Gauge Snowdon

 Annual Average 36.4 in. based on 14 years obs. yr-weighted. Period of average 1881-1915 Ref. B of N.

As does not fit form 1603. 11/2 5/45

File No.

Diameter	8"				641	433					
Height	1' 3"					1					
Altitude	138'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	0.47	5.44	5.04	5.52	4.11	5.99	3.51	8.03	5.63	3.06	
February	2.96	1.52	4.97	2.27	5.24	3.30	.06	2.93	4.17	3.06	
March	2.52	2.49	2.51	.57	2.36	1.98	3.47	3.95	2.50	2.50	
April	1.76	1.30	4.01	3.36	1.34	2.07	4.87	1.99	5.01	3.82	
May	2.99	2.01	2.89	2.96	3.14	.52	5.10	.87	2.11	1.72	
June	1.16	1.77	4.06	3.33	4.20	1.88	4.01	5.06	.87	2.71	
July	3.75	3.04	1.51	2.30	2.21	3.93	2.97	3.38	1.46	4.26	
August	4.43	5.06	4.57	2.57	3.22	1.81	.50	4.48	3.53	3.51	
September	1.92	4.87	3.41	4.35	4.43	5.89	4.86	5.48	1.44	9.38	
October	3.98	6.93	6.36	4.33	3.54	.59	1.83	6.48	7.18	4.33	
November	3.28	1.08	3.01	6.38	.54	6.67	6.96	2.85	(5.50)	3.43	
December	2.20	6.51	2.54	5.50	3.64	4.91	2.37	5.26	8.34	1.58	
TOTALS	31.42	42.02	44.88	43.34	37.97	39.54	40.51	50.76	47.74	43.36	
	D	D	D	D	D	D	D	D	D	D	

1949 Nov est. Mo Ed.

1950 Dec 13K + 30K est. from snow depths given by obs.

00024

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

BRITISH RAINFALL ORGANIZATION

Station No. 5264

RAINFALL at Maybole (Guelgan Castle Gdn.)

51

County of Clyde

Observer Mr. W. J. Orr

River Basin 6 - Guelgan Bay & C.

Type of Gauge Standard

Annual Average 43.35 in, based on 29 years obs. un-weighted. Period of average 1916-50 Ref. 5

File No. 716-30

Diameter ...	8"				641	733					
Height ...	1' 3"					1					
Altitude ...	138'			✓		5'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.76	5.88	-100	-100		2.93	4.10	4.74	1.51		
February ...	3.49	2.40				0.70	2.66	6.01	2.19		
March ...	3.67	1.52				1.39	4.26	.95	2.69		
April ...	2.00	1.38				1.20	2.89	1.60	2.47		
May ...	1.64	1.28				1.78	1.58	3.05	1.40		
June ...	1.96	2.89				2.56	2.96	2.80	2.89		
July ...	2.48	3.26	-100	-100		6.22	4.18	4.16	3.58		
August ...	5.32	6.08	4.09	5.04		6.01	4.46	4.39	.65		
September ...	2.97	2.43	3.84	5.31		3.52	3.99	3.07	2.02		
October ...	1.54	4.80	4.14	2.47		3.04	4.97	3.00	5.66		
November ...	6.34	2.87	5.92	5.86		2.50	2.18	2.22	4.88		
December ...	8.23	4.17	4.32	5.88		3.73	3.86	4.79	5.51		
TOTALS ...	44.40	38.96	-100	-100		35.58	42.09	28.78	35.35		
	2	2	inc. n.p.	inc. n.p.		d	d	d	d		

Records destroyed by obs.

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference MS(26) 732103

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
	✓ 72/16-18 Jan 1911	✓	✓	✓	