

RAINFALL AT Rothsay Barone Cottage

70

Lat. Lon. County of Bute.

Rain Gauge, by Observer, J. Hay

Bute - 1.

Diameter							5				
Height							1				
Altitude							116				
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January							*(3.79)	7.74	6.19	3.07	
February							5.70	6.35	3.27	2.37	
March							5.99	3.73	2.54	3.90	
April							2.28	3.69	3.11	2.21	
May95	2.89	3.39	3.37	
June							4.41	5.07	3.37	7.88	
July							3.55	5.47	.74	5.25	
August							5.46	6.41	3.97	5.81	
September ..							2.88	2.09	4.78	8.32	
October							6.82	7.36	7.70	3.23	
November ..							2.88	8.75	1.47	1.90	
December ..							7.66	9.05	1.89	3.12	
TOTALS ..							46.00	52.37	68.60	42.42	50.43

*

rough est. (4.12)

1876 Jan'y amount computed,

1878 Shrubs 3 to 4 ft high 10 ft distant E.

Rothsay church $\frac{1}{2}$ mile E.S.E.

RAINFALL AT *Rothsay Barone Cottage*

Lat. _____

Lon. _____

 County of *Bute*

Rain Gauge, by _____

 Observer *J. Kay, Esq.*
Bute - 1.

Diameter	5										
Height	1. 0										
Altitude	116 π										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	2.69	.46	4.50	6.25	7.21	3.72	4.67	4.12	3.38	3.54	4.060
February	4.11	5.06	3.42	6.11	5.46	4.60	2.38	2.74	1.41	3.30	3.859
March	3.43	5.87	4.15	2.39	3.90	2.61	3.78	2.29	3.72	1.97	3.411
April	3.64	1.76	2.50	2.56	1.40	3.13	2.09	2.37	3.29	2.58	2.532
May	1.19	2.68	2.70	3.10	3.84	2.97	2.95	1.19	4.55	3.35	2.858
June	2.67	5.42	5.10	3.12	1.27	1.93	1.55	1.52	3.15	1.32	2.709
July	2.47	5.49	6.02	2.63	5.79	3.09	2.97	3.15	5.04	2.29	4.094
August	1.79	4.54	4.12	5.12	4.51	2.45	2.82	3.72	3.66	6.35	3.908
September...	3.40	3.77	5.52	3.25	3.30	8.56	5.21	4.53	2.48	2.39	4.241
October80	2.65	5.46	6.00	5.82	4.20	3.90	2.36	2.36	4.03	3.758
November...	5.89	6.85	8.39	7.89	4.40	3.26	5.14	3.27	6.32	3.30	5.471
December ...	6.23	5.74	5.59	5.99	6.74	3.44	4.47	4.01	4.26	4.94	5.141
TOTALS	38.31	50.29	59.59	54.41	53.64	43.96	41.93	35.31	43.62	39.36	46.012

1880. *Rothsay*, $\frac{1}{2}$ mile S.E.

Shrubs 4ft high 12ft NE

1882. Reg. Gen. give Nov^r = 8.49 which is wrong.

RAINFALL AT *Rotheray Barone Cottage*

Lat. _____

Lon. _____

 County of *Bute*

Rain Gauge, by _____

 Observer *J. Kay Esq*
Bute - 1.

Diameter	5											
Height	10											
Altitude	116 π											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	6.90	3.19	4.66	2.49	7.35	1.42	3.00	1.36	2.90	6.80	4.007	
February	1.05	.78	2.56	4.27	7.82	.67	3.08	3.39	4.18	2.98	3.078	
March	4.08	3.90	1.23	2.05	2.61	3.36	6.13	4.08	1.70	3.75	3.289	
April	1.96	1.64	1.86	2.93	2.25	3.20	2.79	2.63	3.39	4.91	2.756	
May	3.83	1.94	6.13	2.70	2.79	.68	.79	3.09	2.43	3.44	2.782	
June	5.79	2.58	3.99	1.39	3.17	2.62	3.50	6.35	3.61	2.27	3.527	
July	4.06	1.48	3.49	5.08	4.34	4.58	5.66	3.37	2.62	5.50	4.018	
August	3.32	6.37	8.25	3.67	4.45	6.77	3.32	5.36	5.45	2.63	4.959	
September....	6.60	4.72	6.59	3.48	.11	1.43	4.12	4.25	5.72	5.78	4.280	
October	4.43	5.41	3.60	6.60	3.35	4.31	2.64	2.57	3.73	3.66	4.030	
November....	8.44	4.61	5.93	3.74	4.82	5.95	1.87	3.26	5.12	4.60	4.834	
December	1.10	6.55	3.61	4.80	4.38	4.79	5.56	5.01	5.73	6.41	4.744	
TOTALS	51.56	43.17	51.90	43.20	47.44	39.78	42.46	44.72	46.58	52.73	46.354	

1891 Rotheray Church $3\frac{1}{2}$ mile SE
 Shrub 3 to 4 ft high 10 to 15 ft

1880

RAINFALL AT

Glenburn Hydropathic 1904 -
Rothsay Barone Cottage and

Lat.

Lon.

County of Dumfries

Rain Gauge, by

Observer J Kay Esq. Royal Borden

Auto - 1.

Diameter ..	5										
Height	10										
Altitude ..	116 ft					76		95			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.84	3.70	4.19	6.27	4.98	4.40	5.27	3.71	5.38	5.05	4.879
February ..	3.87	2.03	2.01	5.72	4.74	4.64	5.30	3.57	4.59	2.51	3.898
March	3.34	2.25	2.98	6.11	2.47	5.24	4.04	5.55	6.05	2.45	3.648
April	3.17	4.09	1.92	1.89	4.58	3.50	2.46	3.42	2.11	5.69	3.283
May	4.22	1.99	2.75	3.05	3.02	2.33	5.67	5.32	2.72	3.18	3.425
June	2.90	4.04	1.78	2.12	1.97	1.48	1.87	4.85	3.73	3.16	2.890
July	5.11	1.35	4.77	4.71	3.07	3.42	3.24	3.54	3.95	5.38	3.854
August	4.62	5.97	3.71	9.50	5.95	5.82	5.56	6.45	4.15	3.45	5.518
September ..	4.38	4.20	5.12	3.74	4.76	3.87	3.56	2.67	8.45	2.54	4.329
October	6.60	5.60	2.76	9.69	2.74	4.43	7.78	6.32	2.20	7.07	5.519
November ..	5.60	4.48	4.97	3.87	4.02	5.48	5.68	5.58	5.22	3.00	4.790
December ..	7.52	4.38	4.77	4.90	4.25	3.96	5.24	7.56	7.13	6.17	5.588
TOTALS ..	54.17	44.08	41.73	61.57	46.55	48.57	55.67	58.54	55.68	49.65	51.621

1904 Gauge moved to Glenburn Hydropathic during the year, date not stated. amount not printed in 'British Rainfall'

RAINFALL at Ordernraig, Bothsay.County of ButeObserver J. Davidson EsqRiver Basin Isle of Bute 1

per M.O.

Rain Gauge, by

Diameter ...							5					
Height							1	0				
Altitude ...							201					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...							6.57	3.56	5.75			
February ...							5.73	1.48	7.44			
March							1.35	2.77	2.41			
April							4.40	2.44	1.38			
May							4.32	5.37	4.37			
June							1.77	2.95	1.81			
July							2.27	2.41	4.18			
August							5.51	4.94	3.90			
September...							2.04	3.49	6.22			
October ...							7.41	10.50	7.48			
November...							5.40	10.44	7.75			
December...							5.49	3.54	7.16			
TOTALS ...							62.26	53.89	59.85			

probably going on other occasion
got the same

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at

Rothersey,

ardencraig (1914) 10 5392
Glenburn

County of Bute

Observer Mr. D. Penney
J. Davidson Esq.

River Basin Isle of Bute 1

Rain Gauge, by N. & L.

Diameter ...	5												
Height	1 0												
Altitude ...	86				85.	201							Sums
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	SOMES MEANS. 1916-19		6-9
January ...	5.61	3.88	6.03	6.51	4.75	4.97	6.61	3.58	5.73	5.71	21.63		2163
February ...	7.03	7.53	4.58	3.27	7.17	6.35	5.86	1.45	7.41	1.15	15.87		1587
March	2.54	2.08	6.11	5.43	5.83	3.25	1.37	2.77	2.37	3.77	10.28		1028
April	4.24	3.96	2.36	4.45	3.05	4.06	4.52	2.46	1.39	2.80	11.17		1117
May	3.08	3.59	2.83	4.02	1.68	1.29	4.37	5.37	4.38	1.61	15.73		1573
June	3.01	2.77	7.04	3.37	1.17	2.70	1.79	2.95	1.90	5.32	11.96		1196
July	5.03	4.24	3.39	1.71	2.37	4.54	2.30	2.40	4.15	1.81	10.66		1066
August	8.90	4.44	3.78	2.14	5.91	3.07	5.61	4.94	3.86	4.10	18.51		1851
September ..	2.26	3.00	3.70	2.59	3.49	1.62	2.08	3.60	6.25	4.20	16.03		1603
October ...	2.75	4.34	5.30	3.36	3.07	3.37	7.55	10.55	7.58	1.82	27.50		2750
November ..	4.10	6.83	5.79	7.19	5.81	2.81	5.54	10.42	7.80	5.46	29.22		2922
December ...	5.39	9.05	8.93	5.08	7.48	5.85	5.59	3.55	7.24	11.09	27.47		2747
TOTALS ...	53.94	55.71	59.84	49.42	51.78	43.88	53.19	53.94	60.06	48.84	216.03		

1911. Pier $\frac{1}{2}$ mile W.
1913. Hedge 4 ft high 10 ft W
1918. Wood rail fence 4 ft. high 6 ft. W
3 ft. " 5 ft. S
Tree 60 ft. " 84 ft. S.

Catchment 24/15. Moved from Glenburn Hydro. to arden Craig in Dec. 1914.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.						Craigmore	500 yds.	NE.
1912	54.49.50"	5.4.5"	Rothersey Pier	$\frac{1}{2}$ mile	W.			
1918	55.50.25"	5.2.0"	Craigmore Pier	$\frac{1}{4}$ mile	N	Craigmore	1 m $\frac{1}{2}$ mile	NW NW

RAINFALL at Rothsay, ArdenaraigCounty of ButeObserver J. J. Davidson Esq. for Sir J. ReidRiver Basin Isle of Bute 1for Sir J. ReidSnowdon Rain Gauge, by N. J.

Diameter ...	5											
Height	10											
Altitude ...	201											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. Means.	
January ...	6.64	8.58	6.56	6.84	5.91	4.87	7.79	7.98	10.44	2.63	5.84	74.10
February ...	6.21	2.08	6.59	5.95	1.47	3.74	6.45	3.20	5.46	3.59	.28	45.02
March	5.53	6.49	2.56	2.90	1.16	3.52	4.98	5.05	5.37	1.67	2.26	42.49
April	3.32	1.84	3.49	3.91	3.80	5.52	2.84	4.76	2.63	1.46	3.06	36.63
May	6.97	3.94	5.23	2.94	4.67	7.78	3.01	4.20	2.35	3.68	2.50	47.27
June	3.36	1.18	4.05	2.62	3.06	1.40	3.08	4.85	6.19	3.55	3.34	36.68
July	4.46	5.52	3.93	5.08	5.96	2.30	3.50	4.43	4.13	4.49	4.52	48.32
August	5.34	6.72	3.80	8.42	5.16	5.64	5.23	4.53	4.98	7.49	8.09	65.40
September...	4.09	3.22	3.21	8.22	5.65	4.32	4.32	7.65	4.79	2.24	4.66	52.37
October	4.29	5.30	2.95	7.59	3.90	5.32	9.16	6.16	10.32	7.66	9.56	72.11
November...	7.37	3.73	5.53	5.41	3.52	1.52	6.87	5.44	9.20	7.79	7.21	63.59
December...	5.16	9.01	5.33	6.46	7.38	3.71	4.13	1.63	6.86	11.37	7.67	68.71
TOTALS...	62.74	57.61	53.13	66.36	51.64	49.61	61.36	59.88	72.72	57.62	59.99	652.89

1920 Wood rail fence 4 1/2 ft high 6 ft W.

Trees

60 - - 84 - S.

22.11.30. Jan. 1920 connected by Edinburgh.
(P. 497819/36)

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55° 50' 25"	5° 2' 0"	Graigmore Pier	1/4 mi	N	Graigmore	1/2 mi	N.W.

RAINFALL at Rothesay, ArdenaraigCounty of PerthObserver J. J. Davidson Esq.River Basin Isle of Perth 1Snowdon Rain Gauge, by H. J.

Diameter ...	5"										
Height	1 0										
Altitude ...	200										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	6.65	8.56	6.53	6.86	5.91						
February ...	6.18	2.06	6.60	5.95	1.47						
March	5.53	6.45	2.56	2.90	1.16						
April	3.29	1.46	3.49	3.92	3.81						
May	6.97	3.90	5.20	2.94	4.67						
June	3.36	1.14	3.95	2.62	3.06						
July	4.43	5.52	3.94	5.09	5.93						
August	4.94	6.70	3.84	8.42	5.17						
September...	4.08	3.22	3.30	8.23	5.66						
October	4.24	5.32	2.84	7.54	3.96						
November...	7.23	3.72	5.49	5.42	3.54						
December...	5.08	9.00	5.35	6.42	7.52						
TOTALS...	61.98	57.05	53.09	66.31	51.86						

1920. Wood rail fence 4 1/2 ft. high 6 ft. W. 1923 not printed - check page
 " " " 3 " " 5 - 5. 1924 " P. check gauge.
 Trees 60 " " 84 - 5.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55° 5' 25"	5° 2' 0"	Graigmore Pier	1 1/4 mi	N	Graigmore	1/2 mi	N.W.

RAINFALL at Rothsay (Ardaraig) M.W.R.County of ButeObserver Sir John ReidRiver Basin 1- Sale of ButeR. B. Reid
J. Davidson & the Inverclyde

Type of Gauge

Ma J Mc Phail (1939)Annual Average 4.92 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. BN

Diameter	5											
Height	1.0											
Altitude	200											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	7.49	10.09	5.35	6.39	3.60	4.50	6.73	8.73	4.35	2.71		5984
February	6.69	2.22	4.87	1.41	6.28	3.02	5.56	3.06	5.88	1.84		3873
March	1.82	9.10	3.10	3.07	2.29	3.11	2.16	3.82	4.11	5.13		3171
April	2.81	5.04	3.80	3.59	3.43	1.84	3.16	.37	3.06	2.55		2865
May	4.97	2.97	3.34	3.88	1.11	3.08	1.75	4.63	1.38	1.82		2893
June	6.39	1.83	3.05	3.36	3.96	2.34	4.53	7.65	2.48	1.03		3702
July	6.60	4.48	4.98	3.35	2.78	5.66	4.94	4.98	7.24	4.90		4991
August	2.69	4.47	4.58	5.68	2.22	3.74	4.24	3.14	1.64	2.96		3536
September	2.51	4.96	1.19	6.69	6.78	4.78	3.34	5.55	4.78	4.97		4555
October	5.72	9.10	3.93	9.66	11.38	5.96	3.12	10.20	2.15	7.67		3889
November	10.46	5.14	3.81	2.09	5.75	4.07	1.53	10.31	9.37	8.60		6113
December	6.77	7.27	2.16	8.95	4.04	7.65	5.33	5.42	3.46	7.54		5659
TOTALS	61.82	58.65	44.16	58.12	53.52	49.75	44.39	67.86	50.30	51.72		5433

1937 Wooden fence 4' high 6' W. Wood fence 3' high 4' S. Trees 60' high 84' S.
 1940 Jan covered 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
			Braignose Pier	4 n	N	Braignose	1/2 m	NW

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 5382

RAINFALL at Rothsay (Ardencraig) M.W.R 41County of Bute Observer Mr. J. McPhailRiver Basin 1- Isle of Bute

Type of Gauge.....

Annual Average 49.0 in. based on 35 years obs. un-weighted. Period of average 1881 - 1915 Ref B of N.

File No.

Diameter	5"				667	447						
Height	1'0"					1						
Altitude	200'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	0.62	8.91	5.40	5.80	3.79	7.43	5.78	7.14	5.99	3.61		54.47
February	4.50	2.29	6.17	2.06	7.38	4.39	.82	5.18	5.55	4.78		63.12
March	2.70	3.63	3.14	1.60	3.75	2.78	3.99	4.19	3.30	3.31		32.39
April	2.19	2.34	4.70	3.32	2.84	2.73	5.65	2.80	6.77	4.04		37.38
May	2.07	3.80	4.08	4.16	3.81	.98	5.09	1.70	2.93	1.44		30.06
June	1.78	2.22	4.91	4.45	4.95	3.80	4.51	5.16	1.29	2.65		35.72
July	3.47	5.03	3.34	4.17	2.68	3.91	3.90	4.95	2.60	6.40		40.65
August	5.33	6.04	8.41	3.63	2.35	4.03	.03	7.71	5.38	5.70		49.61
September	2.04	7.08	5.66	6.33	5.95	7.77	4.93	8.39	2.56	11.43		62.16
October	5.33	7.74	9.37	6.65	6.12	.61	2.29	10.56	9.10	7.35		65.12
November	4.46	1.37	4.46	3.22	.92	6.71	7.45	4.69	6.94	5.42		50.64
December	3.07	8.06	3.53	6.34	6.01	6.15	2.82	7.71	8.63	2.11		54.45
TOTALS	37.56	58.51	63.22	56.73	50.55	51.29	47.26	70.18	61.04	58.24		55.458

496.34

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. 5382RAINFALL at Rothsay (Ardaraig)

51

County of Bute

Observer

Mr. J. McPhail (1951)River Basin Isle of Bute - 1Mr. J. McDemott

Type of Gauge.....

Annual Average 48.9 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B/N56.19 " " " " " " 1916-19501916-1950

File No.

Diameter ...	5"				667	447						
Height ...	1' 0"					1						
Altitude ...	200'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	5.93	5.66	3.42	5.49	3.29	3.89	6.94	7.65				
February ...	2.76	2.21	2.61	3.93	3.03	1.78	3.56	3.73				
March ...	3.72	4.10	1.32	4.22	1.47	3.10	6.78	1.01				
April ...	3.07	2.26	2.74	2.19	4.87	1.78	2.72	2.17				
May ...	2.43	1.97	2.48	3.58	3.72	4.01	2.18	3.71				
June ...	2.65	3.72	1.51	4.52	3.91	2.97	2.45	3.69				
July ...	3.69	3.76	5.90	5.09	1.11	4.45	6.56	5.27				
August ...	4.69	6.56	5.35	5.79	1.48	5.91	5.64	6.03				
September ...	4.51	3.39	5.59	8.85	5.16	6.30	4.14	2.87				
October ...	2.28	5.50	4.19	8.98	4.37	2.61	5.74	4.82				
November ...	7.96	2.61	8.28	8.77	3.00	2.22	2.59	2.77				
December ...	9.08	7.18	5.35	6.05	8.11	5.51	4.91	NR.				
TOTALS ...	52.77	48.92	48.74	67.46	43.52	43.13	53.21	-100				
	D	D	D	D	D	D	D	A.P.				

Inch 20/5/54 by Mr. S. Muller. In fair condition, has been soldered, too near screen (6 ft) and will be moved 15" to N when rain is cleared.

1958 P. inc.
1951. Inch. 26/10/51. Gauge badly sited only 3ft from the broad side of the large Stevenson screen & is additionally sheltered to some extent by 4ft high bushes within 6ft. Rec. gauge be moved about 12" NWS of the screen & bushes be cut as necessary. (over)

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NS(26)106.647

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P(Inc) - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓ but 47	✓	✓ but - 31	✓ but - 43	