

4207  
Rainfall at Rotheray Mount Stewart U

10

Observer

Butte

Authority

gauge  
Date - 1.

Above Sea Level

YEAR - -	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	MEANS.
January - -	6.13	4.76	3.81	5.95	.83	1.73	5.89	5.65	7.40	6.60	4.875
February - -	5.81	9.88	4.76	9.17	3.39	3.63	1.49	6.67	5.70	5.20	5.370
March - - -	3.57	2.98	4.64	3.81	2.02	8.09	4.76	5.71	5.90	2.90	4.438
April - - -	3.57	5.00	1.19	2.14	4.29	2.02	1.19	.83	1.40	2.50	2.413
May - - - -	.83	6.53	3.57	2.38	.36	4.70	3.81	1.90	1.75	5.15	3.098
June - - - -	2.14	3.81	2.14	1.61	2.38	5.48	3.57	4.64	4.85	4.90	3.546
July - - - -	4.05	2.86	2.98	2.98	4.52	2.44	2.74	6.21	5.90	3.00	3.768
August - - -	3.93	8.09	4.76	1.90	5.00	5.06	2.74	6.67	2.05	2.15	4.235
September -	2.20	2.26	2.86	3.93	2.14	8.33	6.25	2.86	4.30	5.85	4.098
October - - -	3.45	9.82	9.05	4.52	4.76	6.61	3.75	2.68	5.85	5.70	5.619
November -	4.52	6.79	4.52	5.95	7.38	4.11	3.93	6.19	6.30	2.85	5.254
December -	8.33	8.57	1.79	2.14	7.62	5.47	7.02	5.95	6.50	6.75	6.014
TOTALS -	46.53	71.35	46.07	46.48	44.69	57.67	47.08	55.96	57.90	53.55	52.728

0-9 Stat Auct 2-19

Compared with the original M.S. by W. J. Ray

Hyp. Sta. No. 76 - 667495

N.R. NS (26) 109596

alt. 30m

Rainfall at Mount Stuart.

N

20

Observer R. Thom.

Bute.

Y 382

Gauge  
Bute - 1.

Above Sea Level

YEAR --	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	MEANS.
January --	4.65	2.00	3.05	2.15	3.02	5.22	2.05	5.12	5.45	1.72	3.463
February --	1.20	2.47	3.66	4.79	2.00	3.30	6.33	2.68	4.56	2.30	3.329
March --	3.20	5.13	4.74	3.98	4.00	2.72	2.00	8.14	2.56	2.32	3.879
April ---	1.75	3.42	1.42	.90	2.66	2.68	2.42	3.20	3.76	2.42	2.523
May ----	4.45	1.66	.61	3.70	.36	3.00	.19	3.00	2.60	2.25	2.282
June ----	2.75	.05	1.35	.53	1.00	2.84	.40	3.70	2.28	2.60	1.750
July ----	1.00	2.44	4.56	6.33	2.72	.27	2.23	3.05	4.80	3.42	3.082
August --	6.15	2.04	2.86	6.58	3.70	3.93	5.00	2.63	4.80	7.16	4.485
September -	4.50	5.54	2.09	6.54	4.02	4.76	2.31	2.90	3.30	3.20	3.916
October --	3.25	6.90	5.62	4.00	4.30	6.50	8.60	3.73	4.40	5.56	5.286
November -	4.10	6.78	8.30	3.00	7.68	7.55	3.20	4.22	7.10	5.16	5.709
December -	4.70	5.68	2.92	7.50	7.00	4.21	5.65	7.88	7.50	2.44	5.518
TOTALS -	41.70	43.91	44.18	50.00	42.46	46.98	40.38	50.85	53.11	41.45	45.202

19 Stat Dec 2-19

1828. " The rain gauge is not a proper measure in great falls of snow, its mouth being soon filled. Experiments show that a depth of 8 inches of snow equals one inch of rain."

Hyd. Sta. No. 76. 667495

N.R. NS (26) 109596

alt 30ms

# Rainfall at Rothsay (Cotton Mills)

S.W.

20

Bute.  
Angell.  
1887.

Bute - 1.

YEAR - -	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	MEANS.
January - -						3.90					
February - -						2.48					
March - - -						2.04					
April - - -						2.01					
May - - - -						2.25					
June - - - -						2.13					
July - - - -						.20					
August - - -						2.95					
September -						3.57					
October - - -						4.88					
November - -						5.66					
December - -						3.16					
TOTALS - - -						35.23					

5 Stat Acct. 2-16

Hyd. Sta. No 76-667443

N.R. No (26) 093649

Alt 3m

Rainfall at Rothsay (Gotta Mills)

SW

30

Auto.

Auto - 1.

YEAR - -	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January - -						1.88					
February - -						4.54					
March - - -						3.23					
April - - -						1.20					
May - - - -						4.35					
June - - - -						1.28					
July - - - -						3.45					
August - - -						3.90					
September -						4.50					
October - - -						2.93					
November -						5.33					
December -						2.78					
TOTALS -						39.37					

5 Stat Acc<sup>t</sup>. 2-16

Hyd. Sta. No 76-667443

NGR NS(26) 093643

Act 34



# Annals of the Rothsay Cotton Mills

Bute.

Y 383

Gauge on ground 10ft above Sea level.

Bute - 1.

YEAR - -	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January - -	1.36	1.24	1.05	1.03	9.00	2.50	7.30	3.50	1.40	4.20	3.338
February - -	3.46	4.00	2.66	5.07	3.30	6.05	2.90	6.30	1.80	4.70	4.024
March - - -	4.10	7.20	4.86	1.00	4.00	4.30	6.00	1.60	5.20	5.60	4.394
April - - -	3.96	1.84	2.20	2.02	.60	1.60	3.70	2.90	2.60	2.00	2.342
May - - - -	4.10	1.06	1.21	2.03	2.10	5.80	.20	2.20	1.10	1.90	2.250
June - - - -	2.40	2.50	2.50	3.00	4.20	1.70	3.60	2.20	5.10	3.00	3.036
July - - - -	5.79	3.12	2.02	1.90	2.70	4.60	7.50	2.40	5.30	3.40	3.873
August - - -	4.32	<del>4.82</del> 5.82	2.80	2.04	3.50	5.20	3.70	3.50	5.90	5.10	4.058
September -	0.43	3.15	3.00	6.20	3.10	6.00	7.90	3.20	4.00	7.80	5.278
October - -	2.56	8.60	4.90	5.70	3.80	3.90	5.30	6.20	5.00	5.70	5.166
November -	5.28	6.22	5.25	5.70	3.30	7.10	<del>6.80</del> 6.80	6.50	3.00	3.70	5.225
December -	3.57	6.55	6.00	10.10	3.50	3.70	5.90	4.70	4.50	4.50	5.302
TOTALS -	49.44	50.80	39.25	45.87	43.10	52.45	60.80	45.20	44.90	57.60	48.28
		50.80					61.20				

1831 August 4.52 in S.M.S. report, and in that of Bute Soc.

1836 Nov 6.20 in both the above

Stat. Ac. 2-23, 1836

Compared by W. J. Kay with the original M.S.

Ms. A. 6. 76-667443

MS. 15 (26) 093649

alt. 3m

Rotheray Cotton Mills with Rotheray

Bute.

Mr. Sandersons Cotton Mills Rotheray

Gauge on ground 10ft. above sea level

Bute - 1.

YEAR - -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -	8.40	5.90	3.60	5.70	4.90	5.70	5.80	3.15	3.80	3.90	5.585
February - -	2.80	6.90	5.80	2.00	6.10	2.70	3.60	2.00	8.40	6.10	4.540
March - - -	.90	8.20	5.80	2.40	4.70	3.40	5.25	1.80	4.50	1.50	3.845
April - - -	1.70	4.50	0.00	4.70	2.70	3.35	2.20	3.30	1.95	2.50	2.690
May - - - -	3.80	4.00	2.90	3.00	.10	1.10	2.50	3.10	2.50	4.40	2.740
June - - - -	4.20	4.40	3.00	2.40	4.90	4.55	4.95	2.10	4.10	2.40	3.700
July - - - -	4.90	3.70	3.00	5.00	4.10	3.50	3.45	1.85	6.20	5.00	4.570
August - - -	5.50	6.20	3.20	4.50	3.20	2.20	5.10	2.10	4.80	3.80	4.060
September -	7.10	3.80	2.20	2.90	1.80	4.50	3.30	4.30	2.90	2.30	3.510
October - - -	2.00	7.00	1.50	6.70	2.40	7.70	5.55	5.35	5.00	3.60	4.680
November -	4.40	4.30	3.20	6.00	3.80	7.35	6.00	5.80	5.80	8.70	5.535
December -	5.80	7.00	6.60	2.70	.40	6.40	1.30	7.40	4.40	2.80	4.480
TOTALS -	51.50	65.90	40.80	48.00	39.10	52.45	54.00	42.25	54.35	51.00	49.935

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Nyd. Sta. No. 76-667443

NGR: NS (26) 093649

alt. 3m

# RAINFALL AT *Rotheray Cotton Mills* *Bute*

Observer.....

Rain {

Gauge {

Diameter.....in.

Height above Ground, .....ft.....in.

Above Mean Sea Level .....ft.

*Bute - 1.*

YEAR.....	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January.....	4.40	8.80	8.20	7.20	7.00	7.0	2.90	5.20	3.70	5.50	5.360
February.....	8.90	4.10	6.20	2.40	4.00	1.00	4.10	3.70	1.10	5.60	4.110
March.....	2.10	6.20	.80	1.50	2.70	4.00	.60	4.50	2.80	6.40	3.160
April.....	5.10	1.40	1.40	2.00	1.10	2.60	2.10	3.30	3.70	4.40	2.710
May.....	2.70	1.10	2.70	1.10	3.60	2.45	4.10	3.00	5.10	.40	2.625
June.....	3.20	3.70	4.50	3.30	5.10	3.40	6.00	2.40	5.20	1.50	3.830
July.....	3.50	4.60	4.80	4.40	2.30	2.00	2.70	2.50	4.30	3.60	3.470
August.....	5.60	6.30	3.00	3.50	3.40	5.70	4.50	2.50	3.20	4.80	4.250
September.....	2.40	1.50	1.30	3.70	3.00	2.10	2.70	3.00	3.20	7.30	3.020
October.....	3.80	5.00	3.00	8.20	6.80	5.20	3.40	3.60	5.50	3.30	4.780
November.....	4.80	1.60	5.20	4.70	3.30	1.70	3.00	4.30	1.70	4.10	3.440
December.....	4.30	2.80	10.20	1.00	8.40	3.65	6.30	5.00	6.10	4.00	5.175
TOTALS.....	50.80	47.10	51.30	46.00	50.70	34.50	42.40	43.00	45.60	50.90	4.5930

Hyx Sta. No. 76. 667443

NGR. NS (26) 093649

alt. 3m



Bothusay Cotton Mills  
Isle of Bute.  
Sharp, Shampson & Co

+ Ground 10 ft!      + Sea Level 40 ft!  
(Bute below)

Bute - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.70	5.00	8.20	6.40	3.40	5.60	10.40	3.90	7.60	6.90	6.310
February - -	4.60	3.30	2.70	2.90	3.00	4.20	4.80	2.30	5.90	6.00	5.970
March - - -	5.10	6.30	3.30	2.30	5.00	2.60	4.20	2.10	7.40	1.60	4.040
April - - -	2.00	.20	3.50	4.90	2.20	.80	1.70	6.90	4.00	2.20	2.840
May - - - -	3.50	1.70	5.70	4.10	1.60	2.50	2.50	3.20	3.20	.40	2.840
June - - - -	4.70	3.50	3.80	4.00	3.20	1.30	2.50	2.00	1.70	2.20	2.890
July - - - -	2.20	4.10	6.10	.20	3.20	2.10	3.60	4.20	1.40	4.00	3.110
August - - -	5.30	10.50	4.30	6.20	1.70	7.40	7.60	4.60	5.50	1.30	5.440
September -	2.50	6.30	2.90	5.80	6.00	1.00	6.10	4.20	2.00	8.20	4.500
October - -	5.70	5.20	8.30	4.70	2.60	5.00	4.20	5.80	6.20	1.60	4.930
November -	3.20	<del>6.00</del> 6.00	3.30	4.30	5.80	3.80	5.10	1.50	5.50	6.30	4.480
December -	3.20	4.20	7.40	6.90	3.00	5.00	6.00	3.70	6.80	7.00	5.320
TOTALS -	48.20	<del>56.40</del> 56.30	59.50	52.70	40.70	41.30	58.70	44.40	57.20	47.70	50.670

In 1877 the original registers were found among some rubbish at the mills by W. J. Ray and the figs. for Nov. 1861 were adopted after communication with him.

W. Ray says gauge stood on the surface of the ground about 10ft above sea level.

Ms. Pa. Co. 76-667443

N.R. 15 (26) 093649

alt. 3m



# RAINFALL AT *Rothsay Cotton Mills*

700

Lat.

Lon.

County of *Bute*

Rain Gauge, by

Observer

*Bute - 1.*

Diameter...												
Height ....												
Altitude ....												
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January ....	4.10	4.00	8.80	7.10	5.00	7.50						
February. ..	5.50	7.00	5.60	1.70	1.80	1.40						
March.....	1.20	4.10	3.80	2.30	3.90	2.10						
April .....	2.20	4.00	1.00	.10	2.50	1.20						
May .....	3.30	.90	3.40	3.00	1.90	2.00						
June .....	2.10	3.60	8.50	.40	1.00	2.50						
July.....	2.10	4.10	5.10	8.30	2.00	2.30						
August ....	1.70	4.00	5.50	6.70	4.50	3.60						
September ..	3.00	2.50	8.90	5.20	7.10	4.20						
October ....	6.00	4.60	4.90	8.00	8.30	6.00						
November ..	3.30	4.80	8.20	3.80	6.00	4.00						
December ..	3.60	5.40	6.50	3.10	1.70	(4.40)						
TOTALS ..	38.10	49.00	70.20	49.70	45.70	(41.20)						

\*

\* Dec 75 - Int. Stewart

Hyps. Sta. No. 76. 667443

N.R. NS (26) 093649

alt. 3m