

Met 0 8b 10-YEAR SUMMARY SHEETS

Governed by Public Records Acts

I M P O R T A N T

1. These sheets are a VITAL part of the permanent data archives of the Office, and are stored in Met08 for all decades for practical and historical reasons, including ready access, rather than be stored in Technical Archives.
2. For many old stations these sheets are the ONLY record of available data.

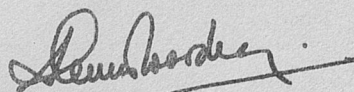
ENTRIES

3. All entries must invariably be made in permanent ink (nowadays normally in black waterproof ink), be perfectly legible and comments sufficiently intelligible to those reading them decades after the event.
4. Every attempt should be made to ensure that any follow-up action is adequately cross-referenced to a previous entry.
5. Retrospectively effective comments MUST be entered on the station's 10-year sheets for all relevant previous decades, not just on the latest decade's sheet.

BORROWING OF 10-YEAR SHEETS PROHIBITED

6. On no account whatsoever are the original sheets to be lent to other branches, and care is to be exercised if sheets are wanted by sections other than Met08b within Met08.
7. These sheets may only be extracted from their binders for the very short periods required during any manuscript updating, or whilst actually being photocopied. It is important that temporarily extracted sheets are returned to their correct numerical position by station number; and if more than one decade's sheets for a station are extracted at the same time, very special care needs to be taken to ensure that each decadal sheet is returned to the correct decadal binder.

The discovery of any station's sheet missing from the binder must be reported personally to HSO-in-charge RAINMASTER.



Head of Hydrometeorological  
Data Systems

KEEP as top enclosure of each binder



Mull of Galloway  
Lat 54.38.9 Lon 4.51.20  
Wigtown

60

+ Ground + Sea Level  
Western Galloway - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.	
January - -	5.35	2.61	3.93	3.54	4.84	3.58	3.35	2.20	1.88	4.00	3.528	+
February - -	1.44	2.01	.73	.78	.87	3.20	2.16	2.20	2.35	3.30	1.904	
March - - -	2.34	2.57	2.08	1.70	3.95	2.66	2.33	1.32	3.61	.68	2.324	
April - - -	1.16	.50	2.22	1.65	2.66	.04	.64	3.16	2.10	1.21	1.534	-
May - - - -	1.72	.22	3.16	2.04	.72	3.18	.95	2.83	2.17	1.33	1.832	
June - - - -	3.80	2.06	1.18	1.77	2.53	1.02	1.58	.92	.28	.37	1.551	
July - - - -	.62	2.89	2.80	.00	1.44	1.15	2.77	3.47	.18	.63	1.595	
August - - -	4.34	2.65	2.34	2.24	1.27	1.90	2.62	1.64	3.41	1.11	2.352	
September -	1.10	3.86	.91	2.99	5.96	.31	4.19	1.85	1.16	3.89	2.622	
October - -	3.58	2.02	2.52	5.13	1.83	4.28	1.80	4.15	2.56	1.19	2.906	
November -	1.44	3.76	1.17	3.30	4.31	4.14	4.91	.79	1.40	4.11	2.933	
December -	2.34	1.69	2.41	1.73	3.69	1.95	3.18	2.18	4.11	2.47	2.575	
TOTALS -	29.23	26.84	25.48	26.87	34.07	27.41	30.48	26.71	25.21	24.29	27.656	

1863. July. No entry in return, supposed to be no rain



## South Cairn

Wigtown.

1 m S. of Horsewall L.H.; 8 m W of Stranraer; 10 m N of Portpatrick.

Mr Jas Kennedy

Mys. No. 38

Stream  $1\frac{1}{2}$  in + Ground 4 in + Sea Level 210 feet  
western galloway - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	7.05	3.75	7.15	7.70	4.70	4.30	6.35	4.35	4.35	9.00	5.870 +
February - -	2.45	3.20	2.10	2.55	3.35	4.15	3.60	3.35	4.40	5.25	3.440
March - - -	3.85	5.75	4.00	4.35	5.65	3.20	4.40	2.15	6.25	2.20	4.180
April - - -	1.75	1.03	5.00	3.65	3.20	.80	1.70	6.60	4.15	5.70	3.358
May - - - -	3.25	1.30	5.25	4.65	1.65	4.55	1.55	4.15	3.85	2.50	3.270
June - - - -	5.60	2.90	5.15	4.85	3.30	1.20	3.05	1.80	1.20	2.00	3.105 -
July - - - -	1.10	6.15	6.50	1.10	3.15	3.65	4.35	5.70	.85	3.20	3.575
August - - -	4.25	7.00	3.10	4.65	2.60	3.60	5.50	4.65	4.00	2.60	4.195
September -	1.80	5.10	2.10	4.75	5.40	.65	5.80	5.05	2.50	8.20	4.135
October - -	4.65	3.55	6.95	7.50	2.75	5.40	3.10	6.00	6.20	4.60	5.070
November -	2.90	5.05	2.70	4.45	4.20	6.20	6.00	2.65	4.05	9.05	4.725
December -	3.65	3.25	6.00	4.30	2.50	3.60	4.70	4.40	8.50	5.90	4.680
TOTALS -	42.30	48.03	56.00	54.50	42.45	41.30	50.10	50.85	50.30	60.20	49.603

1868 During the bygone summer severe drought prevailed in some cases almost entirely destroying the oat crop causing "blanks" among the turnips burning up the pastures and seriously curtailing the amount of dairy produce the back end of the year was very favorable renovating the pastures and causing the bulbs of the turnips to increase in size astonishingly



Cornewall  
Lat 55.0.29 Lon 5.9.28  
Wightson

+ Ground 2 1/4 + Sea Level  
western galloway - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.58	3.79	6.83	5.24	3.06	4.95		2.44	3.47	5.25	
February - -	2.31	3.03	1.61	1.30	1.97	5.55		2.27	3.13	3.46	
March - - -	3.37	5.10	3.01	2.29	3.86	2.36		2.25	5.44	1.67	
April - - -	2.22	.58	3.44	2.56	1.63	.25		5.87	2.67	2.27	
May - - - -	2.64	1.03	3.84	3.48	.95	3.71		3.10	2.53	.88	
June - - - -	5.29	2.52	3.47	3.47	1.82	.80		1.05	.63	.96	
July - - - -	1.31	3.07	3.95	.34	1.40	2.17		2.60	.55	1.61	
August - - -	4.38	5.54	2.24	3.21	2.41	2.87		1.86	4.03	1.57	
September -	1.77	5.15	1.18	3.66	4.21	.75		3.09	1.83	4.87	
October - -	4.15	4.85	6.51	4.63	2.27	5.52		3.13	4.06	2.40	
November -	2.66	4.17	1.82	3.87	4.54	4.10		1.02	2.82	5.65	
December -	2.99	3.06	4.49	2.95	2.13	2.70		2.78	6.92	3.95	
TOTALS -	39.67	41.89	42.39	37.00	30.25	35.73	38.46	32.26	38.08	34.54	37.027

Hydro. No. 638251



Rainfall at

North Balforn

60

Wigton.

10 m. South from Newtown Stewart

Thos. Mac Lelland

Diameter of Gauge, 5..... in.

Height above Ground, 1..... ft. .... in.

Above Mean Sea Level, 50..... ft.

Cree + w. Bay - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						4.07	7.53	3.71	4.63	6.95	
February - -						3.55	4.07	2.99	5.19	6.17	
March - - -						2.07	3.90	1.83	5.87	1.20	
April - - - -						.68	1.18	4.75	3.39	2.60	
May - - - - -						3.92	1.17	2.45	3.07	1.23	
June - - - - -						.97	3.30	1.65	.73	.76	
July - - - - -						2.80	3.00	2.89	.68	2.07	
August - - -						4.13	5.03	3.23	5.75	1.52	
September -						1.40	5.83	3.11	2.71	5.90	
October - - -						6.06	3.24	6.12	5.92	1.87	
November -						4.16	5.47	1.17	2.96	5.01	
December -						4.14	4.15	3.00	9.49	5.08	
TOTALS -						38.75	47.87	36.90	50.39	40.36	

C C C C C



Rainfall at

North Balforn

10 m South from Newtown Stewart

Thos. Mac Lelland

Diameter of Gauge, .5..... in.

Height above Ground, .1... ft. .... in.

Above Mean Sea Level, .50..... ft.

Cree + W. Bay - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						4.07	7.53	3.71	4.63	6.95	
February - -						3.55	4.07	2.99	5.19	6.17	
March - - -						2.07	3.90	1.03	5.87	1.20	
April - - -						.68	1.18	4.75	3.39	2.60	
May - - - -						3.92	1.17	2.45	3.07	1.23	
June - - - -						.97	3.30	1.65	.73	.76	
July - - - -						2.80	3.00	2.89	.68	2.07	
August - - -						4.13	5.03	3.23	5.75	1.52	
September -						1.40	5.83	3.11	2.71	5.90	
October - -						6.06	3.24	6.12	5.92	1.87	
November -						4.16	5.47	1.17	2.96	5.01	
December -						4.14	4.15	3.00	9.49	5.08	
TOTALS -						38.75	47.87	36.90	50.39	40.36	

C C C C C



## Little Noss

Lat 54.46 N Lon 4.5 W

Kircudbright

+ ground 3.3

+ Sea Level 130

Dec - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.15	2.10	2.88	3.34	1.50	1.94	4.23	2.28	2.29	4.36	3.007
February - -	1.15	2.30	.90	1.10	1.26	3.05	1.83	2.30	2.97	3.09	1.995
March - - -	1.73	2.85	1.38	1.56	3.92	.86	2.00	.90	3.39	.74	1.933
April - - -	1.33	.35	2.03	1.84	1.96	.44	.77	2.67	1.96	1.56	1.491
May - - -	2.07	.48	4.40	2.52	1.25	2.94	1.24	2.20	2.42	2.12	2.164
June - - -	3.59	2.54	2.53	2.81	1.14	.61	1.21	.95	.35	.51	1.624
July - - -	1.13	2.91	2.41	.49	.78	1.59	3.17	1.79	.38	.64	1.529 -
August - - -	4.12	2.37	2.46	1.85	1.27	1.84	2.23	1.91	4.26	1.03	2.334
September -	.83	3.39	1.75	2.35	3.77	.73	4.50	1.36	1.93	4.03	2.464
October - -	4.19	2.42	2.73	4.20	3.34	5.49	1.75	3.60	2.27	1.45	3.144 +
November -	.82	5.18	.64	3.21	3.12	3.02	3.44	.37	1.53	2.90	2.425
December -	2.68	2.41	2.76	2.03	3.28	2.73	2.33	1.32	6.68	2.49	2.871
TOTALS -	28.79	29.30	26.87	27.30	26.59	25.24	28.70	21.65	30.45	24.92	26.981

C C C C C C C C C C C



## Slogarie

Castle Douglas

Kirkcubright

J. R. Bruce In a glen among the hills, runs S.W.

4. in middle of a grass field level with grass.

8 in diam. Adie Edinb: + Ground 0 0 + S.L. 300 ft.

Dec - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					7.19	6.94	13.90	6.54	7.60	10.69	6.
February - -					3.48	4.29		4.85	7.67	7.52	
March - - -					5.88	2.89		3.35	8.26	1.20	
April - - -					2.67	.85	2.81	6.66	3.76	2.98	
May - - - -					2.27	6.50	2.54	2.91	3.98	1.05	
June - - - -					4.27	.85	3.75	2.62	.89	.96	
July - - - -				.53	2.81	4.46	3.31	4.09	.57	1.13	
August - - -				4.78	2.75	5.20	6.43	4.79	6.97	1.31	
September -				7.40	6.83	2.38	8.00	4.02	4.03	7.83	
October - -				5.83	5.11	6.33		6.62	8.35	1.81	
November -				5.78	7.43	6.92		1.25	5.86	7.18	
December -				5.36	8.64	8.43		4.22	15.15	10.13	
TOTALS -					59.33	56.04		51.92	73.09	53.79	

C ✓ C C C C C C

1865 July 3.76 = Buchan

4 fixed on Thermometer stand 18 ft from the nearest wall which is to the East of the stand

Mss. sent by Miss Bruce in 1869 contains very different values to the above which are believed to be correct.

The following are Miss B's values 1864 Aug 2.72, 1865 March 2.84, July 3.76, Nov 5.34

1867 Feb 4.75 June 2.17 Oct 5.37 Nov 1.40 Dec 4.44

1868 Mar 7.66 Oct 9.35 Nov 6.06

1869 Jan 10.17 Feb 7.51 Sept 8.45



## Slogarie

Kirkcaldy

Jas. Hastings

J. H. Bruce 68

4 in

+ Ground bin. + S.L. 800 ft.

Dec - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					8.51	7.00		6.82	7.05	10.35	
February - -					3.48	4.50		4.75	8.40	4.88	
March - - -					6.51	2.79		3.37	7.32	1.05	
April - - - -					2.78	.80	2.65	6.89	4.07	3.81	
May - - - -					2.29	7.14	1.95	2.85	3.47	1.25	
June - - - -					4.79	.80	4.94	2.17	.70	1.15	
July - - - -					2.94	4.75	5.54	4.27	1.17	3.30	
August - - -					3.17	5.84	13.12	5.37	7.52	1.15	
September -					8.50	2.20	16.22	4.06	3.60	9.37	
October - -					5.17	6.45		7.11	7.85	2.14	
November -					7.87	7.32		1.35	6.62	7.26	
December -					9.94	8.19		5.02	14.41	8.24	
TOTALS -					15.95	57.78		54.03	72.18	55.95	

↑
C
C
C
C
C

Gauge on ground level on top of hill.

All entries agree with Miss Bruce's copy except as under -

1867 Feb 4.85 June 2.62

1868 Jan 7.60 Feb 9.40 Sept 2.60 Oct 7.84



RAINFALL AT *New Galloway*

*Kirkcudbright*

*Robert McKay*

Rain { By .....  
Gauge { Diameter.....*8*.....in.

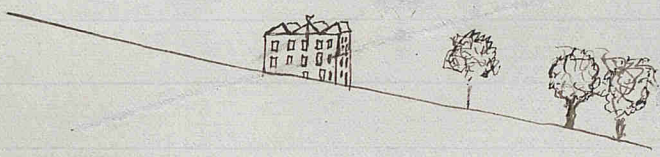
Height above Ground, *20* ft. *6* in.

Above Mean Sea Level, *200* ft.

*Dec - 3.*

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....							11.63	5.02	7.63	8.17	
February .....						4	5.65	3.98	8.63	6.36	
March .....						1.67	4.16	2.74	7.96	1.44	
April .....						.42	1.88	5.97	3.57	2.27	
May .....						4.68	1.64	2.56	3.36	1.06	
June .....						.79	3.02	2.11	.79	.90	
July .....						3.67	2.37	3.22	.62	2.37	
August .....						4.43	5.35	4.51	4.31	1.25	
September ...						1.21	7.43	4.60	2.90	7.14	
October .....						4.79	2.69	6.18	6.50	1.71	
November ...						3.47	5.23	1.29	3.67	7.05	
December .....						7.66	6.88	3.53	13.93	8.54	
TOTALS .....							57.93	45.71	63.87	48.26	

*. C C C C C*





Rainfall at Glenlee

New Galloway Kirkcudbright  
Willwood Maswell W Melville Gardiner 1866

G. on open mound clear of trees & shrubs.

Diameter of Gauge, 3 in.Height above Ground, 1 ft. 6 in.Above Mean Sea Level, 217 ft.

Dec - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						4.30	13.20	3.80	7.50	9.50	
February - -						2.80	7.10	5.80	10.10	7.50	
March - - -						2.00	3.70	2.90	8.90	1.30	
April - - -						0.00	2.20	5.70	3.20	1.80	
May - - - -						4.10	1.90	2.10	3.20	1.50	
June - - - -						.50	3.50	2.20	.70	.30	
July - - - -						3.20	1.90	4.40		2.90	
August - - -						4.50	5.40	4.70	5.50	.70	
September -						1.30	8.60	5.40	3.30	9.30	
October - -						5.40	4.30	7.50	5.60	2.70	
November -						6.10	5.60	.80	5.30	7.10	
December -						7.70	8.10	5.10	14.20	8.80	
TOTALS -						37.90	65.50	50.40	67.50	53.40	

C C C C C



Rainfall at Waterside Kells New Gallinagh  
Kirkcubright

Peter Dalziel

G. in open flat field, 240ft from house

Diameter of Gauge, ..... in.      Height above Ground, ..... ft. .5 in.      Above Mean Sea Level, 215 ft.

Dec-3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						6.40	12.32	5.73	7.72		
February - -						5.45	4.51	4.61	8.03		
March - - -						2.77	3.98	2.98	8.01		
April - - -						.57	2.17	6.39	3.98		
May - - - -						5.35	1.53	2.29	3.25		
June . - - -						1.06	2.69	1.98	.69		
July - - - -						3.63	2.90	4.67	.52		
August - - -						5.09	5.56	4.29	6.08		
September -						1.14	8.04	4.57	2.92		
October - -						5.46	4.01	6.28	7.23		
November -						5.46	6.55	.76	7.69		
December -						7.23	8.29	5.02	13.25		
TOTALS -						49.61	62.55	49.57	69.37	59.00	

1869 Birchan



Rainfall at *Carlsruhe*

*Kirkcubright.*

*I Hannah.*

Diameter of Gauge, *5* in.      Height above Ground, *3* ft. *11* in.      Above Mean Sea Level, *600* ft.

*Dec - 3.*

YEAR - -	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January - -						<i>4.26</i>	<i>13.21</i>	<i>5.58</i>	<i>9.31</i>	<i>10.07</i>	
February - -						<i>2.03</i>	<i>5.61</i>	<i>5.00</i>	<i>6.93</i>	<i>6.95</i>	
March - - -						<i>3.00</i>	<i>4.87</i>	<i>4.20</i>	<i>9.38</i>	<i>.78</i>	
April - - - -						<i>.48</i>	<i>3.95</i>	<i>7.29</i>	<i>4.01</i>	<i>2.38</i>	
May - - - - -						<i>5.94</i>	<i>2.34</i>	<i>2.79</i>	<i>4.15</i>	<i>1.52</i>	
June - - - - -						<i>.05</i>	<i>3.07</i>	<i>1.60</i>	<i>1.07</i>	<i>1.45</i>	
July - - - - -						<i>3.58</i>	<i>2.69</i>	<i>4.47</i>	<i>.49</i>	<i>2.15</i>	
August - - -						<i>6.10</i>	<i>5.24</i>	<i>3.85</i>	<i>7.58</i>	<i>1.50</i>	
September -						<i>1.05</i>	<i>7.64</i>	<i>6.32</i>	<i>3.62</i>	<i>9.18</i>	
October - - -						<i>5.53</i>	<i>3.00</i>	<i>7.70</i>	<i>7.93</i>	<i>3.04</i>	
November - -						<i>6.35</i>	<i>9.46</i>	<i>1.78</i>	<i>7.93</i>	<i>8.72</i>	
December - -						<i>8.47</i>	<i>7.61</i>	<i>5.36</i>	<i>14.10</i>	<i>10.27</i>	
TOTALS -						<i>47.64</i>	<i>68.69</i>	<i>55.94</i>	<i>76.50</i>	<i>58.01</i>	

*C C C C C*



Rainfall at *Dalbeattie* *Kirkcudbright*

*Kirkcudbright*

*James Greive*

Diameter of Gauge, ....*5*..... in.      Height above Ground, ..... ft. *0*..... in.      Above Mean Sea Level, ..... ft. *307*

*Mr FC-4.*

YEAR - -						1865	1866	1867	1868	1869	MEANS.
January - -						# 3.75	8.43	4.97	5.32	7.42	
February - -						2.87	3.65	3.10	6.05	5.99	
March - - -						1.63	4.13	2.34	6.80	1.21	
April - - -						.52	1.36	4.50	3.91	2.35	
May - - - -						5.56	1.73	2.39	4.38	1.87	
June - - - -						.66	2.69	2.06	.78	1.20	
July - - - -						3.31	2.02	4.60	.71	1.95	
August - - -						4.29	6.01	4.06	5.12	1.09	
September -						1.06	6.88	3.26	2.96	9.32	
October - -						6.37	3.59	5.73	6.88	1.72	
November -						4.66	5.33	1.18	3.87	4.98	
December -						4.80	5.34	2.81	10.42	7.79	
TOTALS -						39.48	51.16	41.16	57.20	46.89	

*C C C C C*



Rainfall at Cargen

Kirkcubright.

P Dudgeon Esq

80 64 6.5  
85 6.5

Diameter of Gauge, ...3..... in.

Height above Ground, ..... ft. 3.... in.

Above Mean Sea Level, ...80..... ft.

with rc-5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.93	2.29	3.54	7.46	3.78	4.12	9.64	4.00	4.50	7.08	5.334
February - -	1.83	4.47	1.49	2.01	2.77	2.96	4.43	2.36	7.38	8.01	3.771
March - - -	3.67	5.06	3.41	1.08	3.88	1.49	3.34	2.34	8.14	.86	3.327
April - - -	1.15	.77	3.92	3.09	1.40	.71	1.28	3.04	3.44	1.95	2.135
May - - - -	2.02	.74	4.43	2.40	1.42	6.66	1.36	1.97	3.00	1.97	2.597
June - - - -	5.43	3.08	3.38	4.81	3.41	.52	2.46	3.06	.46	1.15	2.576
July - - - -	2.46	4.11	4.13	.56	2.29	2.75	3.54	3.02	.56	1.96	2.538
August - - -	4.90	6.09	4.84	2.88	1.44	4.98	3.54	2.54	5.49	.94	3.764
September -	1.26	4.37	2.47	5.30	6.21	1.18	6.44	3.96	2.76	8.20	4.215
October - -	6.59	3.74	7.96	3.73	4.92	5.96	3.50	3.71	5.24	2.46	4.781
November -	2.45	5.78	1.24	3.80	4.70	4.78	5.68	.46	2.90	6.04	3.783
December -	5.58	3.75	6.48	3.48	3.90	5.08	4.96	2.02	10.42	9.78	5.551
TOTALS -	44.27	44.25	47.29	40.60	40.12	41.19	50.17	31.08	54.35	50.40	44.372

C C C C C C C C C C



# RAINFALL AT *Irongray Drum Park*

6 W 64 N  
S P 1000 ft  
**70**

Lat.....

Lon.....

County of *Kirkcudbright*

Rain Gauge, by.....

Observer .....

*with C-5.*

*Dumfries Courier*

Diameter .....							.3				
Height .....							4	6		1	
Altitude .....							250	230			
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....			15.40	12.90	7.75	12.50	5.50	13.50	8.10	2.00	
February.....			7.00	.90	3.20	1.65	6.70	4.25	3.80	3.70	
March.....			5.60	4.20	3.75	2.15	5.25	3.00	1.70	3.10	
April.....			1.30	.04	3.45	1.30	2.90	2.70	4.05	1.75	
May.....			3.90	1.50	.05	2.00	.60	5.25	5.80	2.00	
June.....			7.50	2.10	1.00	5.00	5.05	4.60	2.25	6.90	
July.....			4.40	8.55	3.10	2.10	2.15	5.75	.03	6.25	
August.....			3.30	7.25	6.50	2.90	4.05	8.00	4.90	7.30	
September.....			6.50	5.20	6.10	7.90	3.70	2.50	5.75	6.85	
October.....			5.30	8.70	13.90	6.15	7.55	9.75	4.05	2.20	
November.....			7.30	3.20	7.40	6.00	4.50	13.50	1.75	1.10	
December.....			12.25	3.20	1.60	5.60	10.20	7.40	1.40	4.50	
TOTALS.....	(4500)	(5700)	79.75	57.74	57.80	55.25	58.15	80.20	43.58	47.65	(58.21)

*Drum Park is 7 miles NNW of Dumfries in valley of Cairn-hill 1000 feet high West of Gauge & quite near.*

*1870 + 1871 estimated from Dalbeattie, Cargen & New Galloway*



RAINFALL AT *Whitelashme Dumfries*

*W. Lanark*

*Dumfries*

Observer.....

Rain { By.....  
Gauge { .....  
Diameter.....in.

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

Above Mean Sea Level.....ft.

*Clyde, Rbank - 1.*

YEAR.....									1868	1869	MEANS.
January.....											
February .....											
March .....											
April.....											
May .....											
June.....										<i>15.4</i>	
July .....										<i>snow 2 1/2 deep</i>	
August.....											
September.....											
October .....											
November.....											
December.....											
TOTALS .....									<i>74.0</i>	<i>69.74</i>	

*C C*



RAINFALL AT Clarencefield

Annan

Dunfries.

Observer S. Cowan

Rain { By.....  
Gauge { Diameter.....in.

Height above Ground,.....ft. 14 in.

Above Mean Sea Level... 100 ft.

with tc - 3.

YEAR.....									1868	1869	MEANS.
January.....									4.73		
February .....									6.43		
March .....									5.83		
April.....									2.84		
May .....									3.71		
June.....									1.8		
July .....									.77		
August .....									4.47		
September.....									2.17		
October .....									4.35		
November.....									2.17		
December .....									9.03		
/ TOTALS .....									46.68		

C



RAINFALL AT Comlongon Castle

55° 3' N 3° 12' W

Dumfriesshire 1 m from the Solway

W<sup>m</sup> Hartley

Rain { By .....

Gauge { Diameter.....5.....in.

Height above Ground, .1... ft. 2... in.

Above Mean Sea Level, ...82... ft.

24th Feb - 3.

YEAR.....							1866	1867	1868	1869	MEANS.
January .....							5.86	3.88			
February .....							3.81	2.36			
March .....							2.10	1.22			
April .....							.99	3.20			
May .....							1.51	3.90			
June.....							2.33	1.65			
July .....							3.00	5.57			
August.....							3.71	3.29			
September ...							5.70	3.73			
October.....							3.08	3.46			
November.....							4.57	.29			
December.....							4.41	2.55			
TOTALS .....							41.07	35.10			

C C

1867 P as to the accuracy of Mr. Hartley's record in  
 March & the 9 was attended by Mr. James Corwen Esq. of  
 Clarendonfield, W. Co. likely to be a careful observer



Orickton Asylum  
Dumfries

J Gilchrist

2 69

6 in 69

3 64 85

159 66 69

182 64 85

180 63

300

10 + Ground 4 in 69 + Sea Level 168 feet  
with re-3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.77	1.09	4.70	5.79	3.31	4.41	7.55	2.97	4.71	6.12	4.650
February - -	1.53	3.58	1.42	1.75	2.12	3.59	4.39	2.29	4.20	5.63	3.050
March - - -	2.13	3.15	3.50	1.22	3.57	1.92	2.68	2.23	5.70	.87	2.705
April - - -	.51	(7.60)	3.40	2.66	1.36	.84	1.28	3.52	3.45	1.63	1.933
May - - - -	.84	1.15	4.15	2.05	1.44	5.97	1.57	2.91	4.00	1.75	2.483
June - - - -	3.53	1.22	3.70	4.69	3.19	.59	2.10	2.10	.63	1.12	2.303
July - - - -	1.53	4.89	3.25	.58	1.68	2.53	3.11	5.19	.96	1.47	2.589
August - - -	3.36	6.07	4.24	2.69	1.44	4.11	3.67	3.31	4.66	.93	3.448
September -	.63	4.71	7.05	2.98	6.58	.89	5.05	4.01	3.24	6.55	3.649
October - -	5.05	3.77	7.22	4.65	5.95	4.38	2.47	4.57	4.51	2.12	4.469
November -	1.60	4.71	1.20	3.52	5.50	3.05	4.22	.79	2.33	3.70	3.062
December -	4.55	4.69	5.41	3.15	2.80	3.63	3.95	2.13	9.73	6.53	4.657
TOTALS -	31.03	(38.63)	45.06	35.73	38.94	35.91	42.04	36.10	48.12	38.42	38.998

✓ C C C C ✓ C C C C C C

+ Accordant to Gauge

Gauge well exposed



Dunfries

(March Hill Cottage)

Thos Hogg Esq<sup>r</sup>

70 aft May 63

Sea 5 in + ground 5 inches + Sea Level 63 feet 61  
with +c - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.	
January - -	7.60	3.90	3.91	7.10	2.80	2.30	5.56	3.11	3.64	5.16	4.508	+
February - -	2.25	4.05	1.50	2.90	2.20	2.40	3.00	2.10	4.37	4.45	2.922	
March - - -	4.05	5.30	3.05	1.00	3.20	1.30	2.03	1.72	4.72	.53	2.690	
April - - -	1.50	.65	3.20	3.25	1.02	.40	.96	3.36	3.01	1.42	1.877	
May - - - -	2.00	.75	3.75	2.55	.87	4.40	1.19	2.05	3.74	1.87	2.397	-
June - - - -	4.15	2.90	2.65	4.10	3.00	.60	1.84	1.72	.56	1.02	2.254	
July - - - -	1.80	3.95	3.45	.67	1.55	2.05	2.84	5.63	.98	1.20	2.412	
August - - -	4.45	7.58	4.47	2.10	.85	3.80	3.26	3.36	4.73	.86	3.546	
September -	1.05	4.00	1.70	4.00	5.00	.65	5.88	3.87	2.67	5.87	3.469	
October - -	6.60	3.75	7.10	3.70	4.00	4.35	2.39	4.01	3.53	1.86	4.129	
November -	2.00	6.50	1.30	2.90	3.50	3.10	4.10	.74	2.26	4.27	3.067	
December -	4.30	3.55	5.35	2.50	2.65	2.40	3.40	2.05	7.05	4.49	3.774	
TOTALS -	41.75	46.88	41.43	36.77	30.64	27.75	36.45	34.52	41.26	33.00	37.045	

1863 5 in + ground & 63 ft + Sea level till May after then  
70 ft. The rainfall has been less, but the days of rain  
more, than the average, this shows, that the wetness  
of a season, depends not only on the depth of  
rain, but upon the period over which it extends, a cer-  
tain quantity of rain, falling on one day, though great, if  
followed by dry warm sunny weather is beneficial, whereas  
the same quantity spread over a fortnight, as in  
harvest might produce serious injury. in a bar-  
vest, drought produces serious injury.

The drought in the spring & summer & may be said  
to have lasted 5 months from beginning of March to the  
end of August only 6.9 in fell pastures were scorched &  
water very scarce & notwithstanding the heavy fall in Sept  
many of the springs had (not) recovered their usual flow in  
winter.



RAINFALL AT *Dunscore (Allanson)*

*Dunfris Linn*

*Dunfris.*

Observer.....*George H. Hays*.....

Rain { By.....  
Gauge { .....  
Diameter.....in.

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

Above Mean Sea Level.....ft.

*with rc - 3.*

YEAR.....									<i>1868</i>	<i>1869</i>	MEANS.
January.....									<i>7.00</i>	<i>7.00</i>	
February .....									<i>6.50</i>	<i>6.00</i>	
March .....									<i>7.00</i>	<i>.75</i>	
April .....									<i>3.50</i>	<i>2.00</i>	
May .....									<i>4.50</i>	<i>1.50</i>	
June.....									<i>1.00</i>	<i>1.50</i>	
July .....									<i>9.50</i>	<i>1.75</i>	
August.....									<i>6.00</i>	<i>1.75</i>	
September.....									<i>3.00</i>	<i>7.50</i>	
October .....									<i>5.00</i>	<i>2.00</i>	
November.....									<i>4.50</i>	<i>4.90</i>	
December.....									<i>10.00</i>	<i>7.75</i>	
TOTALS .....									<i>67.50</i>	<i>44.40</i>	

*C C*



Rainfall at Wallace SkullCloeburnSummit.Crawford Tail RamageDiameter of Gauge, .... 3 in.Height above Ground, ..... ft. 6 in.Above Mean Sea Level, .... 206 ft.with TC - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	<del>#</del> 6.00	3.10	5.20	6.50	3.70	2.80	6.70	4.00	6.30	6.40	5.070
February - -	2.80	3.80	1.60	2.00	4.50	4.00	5.00	1.70	5.50	5.30	3.620
March - - -	3.30	4.10	2.50	1.70	2.80	1.30	4.80	2.10	6.40	.40	2.940
April - - -	.70	.20	3.00	3.10	1.70	.20	1.80	3.50	3.20	2.00	1.940
May - - - -	2.00	.50	3.30	2.80	.50	4.60	1.20	2.30	4.00	.30	2.150
June - - - -	3.80	2.50	3.80	4.70	2.30	.50	1.70	1.50	.20	1.50	2.250
July - - - -	2.00	4.00	4.20	.20	1.80	1.90	1.60	2.80	.20	1.60	2.030
August - - -	5.30	8.00	4.20	3.20	.40	5.00	4.10	3.30	4.80	.90	3.920
September -	1.00	4.50	1.80	4.80	6.30	.30	4.50	3.50	2.60	6.80	3.610
October - -	6.10	4.00	8.20	4.40	4.70	5.80	3.20	4.30	3.80	.70	4.520
November -	2.40	4.60	1.60	4.80	5.80	4.80	3.30	.30	3.80	4.10	3.550
December -	5.10	4.00	6.00	3.40	5.60	3.60	4.60	2.00	7.90	7.60	4.980
TOTALS -	40.50	43.30	45.40	41.60	40.10	34.80	42.50	31.30	48.70	37.60	40.580

*by sheltered does not tally with its neighbors so thought double*

*1860 - 1869 - 1870*



## Rainfall at Glencairn Manse

sumfries.

Recd. Robert Garner. G. in K.G. freely exposed.

Howard's Bottle  $5\frac{3}{4}$  diam. Bryson Edinb.

9 in 65-66

+ sea level 330 ft. ?

350 65.66

with tc-3.

YEAR - -	1864	1865	1866	1867	1868	1869	MEANS.
January - -		3.00	11.56	5.15			
February - -		2.21	5.67	4.72			
March - - -		2.00	4.53	3.46			
April - - -		.47	2.88	5.28			
May - - - -		6.30	1.85	3.29			
June - - - -		.52	2.87	2.66			
July - - - -		3.00	2.56	4.57			
August - - -		5.46	4.45	4.68			
September -		1.21	7.34	4.25			
October - -	#	3.30	5.32	3.68	5.63		
November -		5.75	5.06	5.30	1.05		
December -		5.50	8.47	6.91	3.52	*	
TOTALS -		43.02	59.60	48.26			

C C C C



RAINFALL AT Capemock ThornhillDumfriesshireObserver J. S. Gladstone Esq. A. M. Kellar gardenerRain { By Casella ..... Time of observation about 7.30 a.m.Gauge { Diameter.....5.....in. Height above Ground, 1.....ft.....in. Above Mean Sea Level 300.ft.with rc-3.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....								4.31	5.57	6.40	
February.....								4.93	7.58	6.41	
March.....								3.21	7.57	1.48	
April.....								4.65	3.24	1.65	
May.....								2.55	5.66	.79	
June.....								2.50	1.12	1.28	
July.....								3.89	.70	1.60	
August.....								4.14	4.99	1.49	
September.....								4.30	2.56	7.81	
October.....								4.79	5.27	1.70	
November.....								.67	3.84	5.38	
December.....								3.41	11.44	7.61	
TOTALS .....								43.35	59.54	43.60	



7 Barton

60

RAINFALL AT Barton, Thorskill

summers.

Observer..... J. Russell .....

Rain { By.....

Gauge { Diameter.....in.

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

Above Mean Sea Level.....244 ft.

with TC-3

YEAR.....	1860										MEANS.
January.....	6.90										
February .....	3.80										
March .....	4.10										
April.....	1.00										
May .....	4.00										
June.....											
July .....											
August.....											
September.....											
October .....											
November.....											
December.....											
TOTALS .....											

C



## Drumlanrig

Dumfries.

J. Mcintosh  
S. Mcintosh

4 in + apr 65

191 = 65

with re-3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	9.00	5.60	5.50		4.60	4.00			6.20	6.90	
February - -	3.80	5.20	1.21		3.00	2.70			8.00	6.30	
March - - -	5.00	6.00	4.50		4.00	2.00			7.70	.80	
April - - - -	.90	.60	4.90		2.10	.70			4.00	2.30	
May - - - - -	2.50	1.00	3.30		1.30	6.10			3.40	.60	
June - - - - -	5.50	3.00	5.30		3.20	.05			1.00	1.20	
July - - - - -	1.90	4.50	5.50		2.30	2.70			.70	1.10	
August - - -	6.10	8.00	5.00		1.10	5.90			4.10	1.60	
September -	1.00	7.50	2.00		7.00	.90			2.50	7.70	
October - - -	6.80	5.00	9.20		4.20	3.90			5.30	1.90	
November -		7.50	2.50		4.60	3.80			1.10	5.30	
December -	4.60	5.50	8.50		4.60	6.80			6.00	7.80	
TOTALS -		59.40	57.41		42.00	39.53			50.00	43.50	

62 Buchanan



Wanlockhead

S.Z

Dumfries.

Mr. Gilbert Dawson Mpt. Net No 30

Drain 3 in + Ground 4 in  
with tc - 3.

+ Sea Level 1330 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	11.71	7.27	8.52	7.02	7.11	5.36	13.06	6.23	8.45	10.54	
February - -	5.40	6.98	1.92	2.07	6.46	3.84	5.36	6.43	10.29	8.15	
March - - -	7.35	8.42	4.50	4.39	3.77	2.97	4.86	3.49	13.00	1.39	
April - - -	1.67	.39	5.89	3.69	1.97	.72	3.36	6.26	5.37	2.57	
May - - - -	4.59	.80	4.85	5.01	2.12	6.45	1.52	1.95	5.84	.92	
June - - - -	6.03	3.54	8.28	5.34	4.69	.60	2.48	3.74	1.02	2.40	
July - - - -	3.42	7.54	12.09	.80	5.79	2.00	3.83	4.40	2.83	4.17	
August - - -	4.31	10.09		6.92	1.14	8.38	6.66	4.43	6.74	1.50	
September -	3.12	8.08	2.15	6.89	9.18	1.46	7.85	6.13	2.56	8.88	
October - -	9.09	8.54	10.86	5.16	4.15	4.74	4.71	7.87	8.19	3.09	
November -	3.49	10.36	3.22	6.25	6.43	5.93	4.86	1.59	4.63	8.78	
December -	4.33	9.12	11.82	6.90	5.86	10.42	8.34	6.13	16.77	10.08	
TOTALS -	65.31	81.19	74.10	60.44	58.67	52.87	66.89	58.65	85.69	62.47	66.628

Notwithstanding the dryness of some of the summer months the rainfall of 1868 was above the average of the last nine years by 18.48 in the fall in the months of Feb, Mar, & Dec. amounted to 40.06 in while in June July & Sept. only 6.41 was measured



Wanlockhead

S. L.

Dumfriesshire

Mr. John Reid (Chk of Works) Mpt. Ret. No. 70

Drain 3 in + ground 6 in + Sea Level ? 1400 feet  
with rc-3.

YEAR - -	1860	1861	1862	1863	1864						MEANS.
January - -	10.70										
February - -	8.25										
March - - -	8.00										
April - - -	2.05										
May - - - -	3.85										
June - - - -	7.80										
July - - - -	1.90										
August - - -	6.45										
September -	3.10										
October - - -	12.15										
November - -	3.60										
December - -	4.85										
TOTALS - - -	72.70										

✓



RAINFALL AT Warmambie

W. Annan

Simpfries.

D. A. Carruthers Esq.

Rain { By .....  
Gauge { .....  
Diameter.....0.....in.      Height above Ground, 3... ft. .... in.      Above Mean Sea Level, 100... ft.

Annan - 4.

YEAR.....							1866	1867	1868	1869	MEANS.
January .....							5.13	3.88	2.85	5.21	
February .....							4.06	2.35	5.44	5.84	
March .....							2.15	1.20	4.68	1.25	
April .....							1.08	3.20	3.33	1.89	
May .....							1.74	3.88	2.92	2.24	
June.....							2.59	1.64	.97	1.70	
July .....							3.36	5.59	.77	1.36	
August.....							4.07	3.28	5.24	1.20	
September ...							6.19	3.73	2.62	7.58	
October.....							3.86	3.46	4.40	2.17	
November.....							4.88	1.28	2.20	4.99	
December.....							4.11	2.55	8.09	3.56	
TOTALS .....							43.22	35.04	43.37	38.99	

1869 Buchanan

1869 monthly values from Rev. W. Anderson 18.1.98

Total altered in accordance. Ent. 30. XI. 08



RAINFALL AT *Kirkpatrick Juxta*

*sumfries*

Observer *Mr. J. L. L.*

Rain { By .....

Gauge { .....

Diameter.....in.

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

Above Mean Sea Level.....ft.

*Annan - 4.*

YEAR.....	<i>1860<sup>p</sup></i>										MEANS.
January.....	<i>8.75</i>										
February .....	<i>5.00</i>										
March .....	<i>5.45</i>										
April.....	<i>1.10</i>										
May .....											
June.....	<i>5.50</i>										
July .....	<i>2.65</i>										
August.....	<i>4.65</i>										
September.....	<i>2.25</i>										
October .....	<i>7.00</i>										
November.....											
December.....	<i>4.56</i> <i>4</i>										
TOTALS .....											

*C*



# RAINFALL AT *Dumfries Kelton House*

70

Lat.....

Lon.....

County of.....

*Dumfries*

Rain Gauge, by.....

Observer...

*J. Fletcher*

*with 1c - 3.*

Diameter.....	<i>8</i>											
Height.....	<i>1 3</i>											
Altitude.....	<i>100.</i>											
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	<i>3.95</i>	<i>3.15</i>	<i>6.83</i>	<i>6.47</i>								
February.....	<i>3.03</i>		<i>2.48</i>	<i>1.12</i>								
March.....	<i>2.09</i>		<i>3.77</i>	<i>4.23</i>								
April.....	<i>1.17</i>	<i>12.03</i>		<i>1.11</i>								
May.....	<i>3.74</i>		<i>5.35</i>	<i>6.2</i>								
June.....	<i>1.55</i>	<i>2.15</i>	<i>5.54</i>	<i>1.52</i>								
July.....	<i>1.10</i>	<i>5.10</i>	<i>4.22</i>	<i>5.19</i>								
August.....	<i>1.65</i>	<i>2.83</i>	<i>3.64</i>	<i>5.98</i>								
September.....	<i>3.97</i>	<i>2.17</i>	<i>4.69</i>	<i>2.55</i>								
October.....	<i>6.59</i>	<i>3.99</i>	<i>3.81</i>	<i>6.10</i>								
November.....	<i>1.93</i>	<i>3.19</i>	<i>5.96</i>	<i>2.37</i>								
December.....	<i>1.84</i>	<i>4.43</i>	<i>6.46</i>	<i>1.49</i>	<i>#</i>							
TOTALS.....	<i>32.61</i>	<i>39.04</i>	<i>52.75</i>	<i>38.75</i>								

*3 miles SSE of Dumfries*



RAINFALL AT *Kirkpatrick Julia**Broomlands**Dumfries.*Observer.....*Geo. Burgess*.....

Rain { By.....

Gauge { Diameter.....*3*.....in.Height above Ground,.....ft..*5*.....in.Above Mean Sea Level..*3.4.6*ft.*Annals - 14.*

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							<i>10.30</i>	<i>5.25</i>	<i>9.10</i>	<i>10.10</i>	
February .....							<i>5.80</i>	<i>6.60</i>	<i>9.80</i>	<i>9.10</i>	
March .....							<i>3.20</i>	<i>2.80</i>	<i>11.60</i>	<i>.75</i>	
April .....							<i>2.50</i>	<i>6.40</i>	<i>3.90</i>	<i>2.10</i>	
May .....							<i>2.00</i>	<i>3.83</i>	<i>5.95</i>	<i>.90</i>	
June .....							<i>2.80</i>	<i>2.60</i>	<i>1.70</i>	<i>1.80</i>	
July .....							<i>2.20</i>	<i>5.20</i>	<i>1.60</i>	<i>2.80</i>	
August .....							<i>6.60</i>	<i>7.00</i>	<i>4.40</i>	<i>1.70</i>	
September.....							<i>6.50</i>	<i>5.50</i>	<i>3.00</i>	<i>11.00</i>	
October .....							<i>4.00</i>	<i>6.00</i>	<i>6.90</i>	<i>1.80</i>	
November.....							<i>5.30</i>	<i>.67</i>	<i>3.70</i>	<i>6.73</i>	
December .....							<i>7.10</i>	<i>5.00</i>	<i>17.00</i>	<i>13.20</i>	
TOTALS .....							<i>58.30</i>	<i>56.85</i>	<i>78.65</i>	<i>64.98</i>	

*C C C C*



Rainfall at Canobie School

Dumfries.

J. Little Esq<sup>r</sup>J. Whelan Esq<sup>r</sup>

Diameter of Gauge, ..... in.

Height above Ground, ..... ft. <sup>67</sup> 9..... in.Above Mean Sea Level, 140 ft.

bk. 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.30	6.40	5.30	6.90	3.90		6.80	5.70	3.90	6.10	
February - -	4.50	3.20	3.00	3.40	3.40		3.00	2.90	5.50	8.20	
March - - -	5.70	5.30	1.80	.80	2.90		3.70	4.10	4.30	3.90	
April - - - -	2.20	1.50	5.70	5.50	.90		1.20	4.70	3.40	3.00	
May - - - - -	3.90	1.10	3.90	3.10	6.0	6.80	.80	2.90	5.60	2.10	
June - - - - -	5.00	2.10	6.90	3.00		.20	1.80	1.00	1.60	1.10	
July - - - - -	3.80	6.80	7.20	1.10		4.20	2.10	3.30	1.90	2.18	
August - - -	6.50	6.40	3.00	3.90		4.60	5.10	4.50	5.90	4.80	
September -	1.90	5.30	2.20	6.30		1.70	5.10	2.10	3.80	2.40	
October - - -	7.70	3.00	5.90	4.70		3.90	2.90	5.00	6.10	2.90	
November - -	2.50	7.50	2.10	3.80		3.20	4.10	1.30	4.20	6.10	
December - -	2.10	5.30	5.30	4.20		2.40	4.20	3.20	8.20	6.90	
TOTALS -	54.10	53.90	52.30	46.70			40.80	40.70	54.40		

C

C

C

C

C

C

C

C

C



RAINFALL AT Coloughfoot

sumfries.

 Rain { By J Little  
 Gauge { Diameter.....in.
Height above Ground, ..... ft. 9 in.Above Mean Sea Level, 4.000 ft.

No. 5.

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....							—	4.35	3.50		
February .....							4.32	4.20	4.20		
March .....							3.55	4.00	4.10		
April .....							2.40	3.80	4.50		
May .....						# 3.50	2.30	3.00	3.30		
June .....						.30	2.50	.30	1.20		
July .....						3.50	2.32	3.50	1.00		
August .....						4.55	3.20	3.20	4.10		
September ...						1.50	4.50	5.20	2.50		
October .....						3.75	2.95	3.20	4.20		
November ...						3.75	3.55	1.20	3.40		
December .....						3.80	3.00	3.25	7.40		
TOTALS.....								39.20	43.40		

C C C C



# Langholme

60

Dumfries.

J. J. Anson

3 1/2

2 ft 6 9  
+ Ground 9 in + S.L. 270

brk - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	7.00	6.25	5.60	8.50	5.50	3.25	10.80	6.50	7.50	10.00	7.090
February - -	4.50	5.00	2.10	3.30	3.00	3.80	6.50	5.00	9.00	10.20	5.240
March - - -	5.90	7.40	5.40	1.40	4.40	2.50	3.80	4.30	9.60	1.90	4.660
April - - -	2.00	.60	5.50	4.20	1.00	.70	2.10	6.50	5.00	3.30	3.090
May - - - -	3.70	.80	4.20	4.60	1.30	7.20	2.30	4.00	4.10	2.00	3.420
June - - - -	7.00	2.80	5.70	3.50	5.80	.60	2.80	2.00	2.00	2.30	3.420
July - - - -	1.70	6.90	6.00	.50	2.50	3.40	3.00	6.00	.75	3.00	3.375
August - - -	5.50	7.90	3.70	3.50	2.80	5.50	6.10	6.50	5.70	2.50	4.970
September -	1.50	6.50	3.40	8.00	7.50	2.00	7.50	5.60	3.30	10.30	5.560
October - -	8.10	3.10	10.10	4.50	4.60	6.00	4.00	5.00	7.10	3.30	5.580
November -	2.60	9.30	1.70	5.80	4.10	5.20	6.50	1.00	5.00	6.00	4.720
December -	3.50	4.40	7.50	5.20	7.50	4.20	6.50	3.80	12.90	7.10	6.250
TOTALS -	53.00	60.95	60.90	53.00	49.70	44.35	61.90	56.20	71.95	61.80	57.375

Completed from Ins. returned to J.C. Little -



Cartersgill Hill Top

60

Dumfries.

+ Ground 9 in. + S.L. 1164.

Ex-5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	8.80	7.65	6.80	6.10	7.00	3.50	1	6.50	9.20		
February - -	3.75	5.00	2.25	5.20	3.50	4.10		5.00	6.25	11.50	
March - - -	7.10	7.75	6.00	2.00	3.00	2.30		2.30	9.70		
April - - - -	1.70	.50	6.50	6.50	1.25	.00		7.90	5.00		
May - - - -	4.70	1.00	4.50	5.20	2.10	9.25		3.25	4.00		
June - - - -	8.10	4.00	6.40	4.75	6.00	.60		3.40	1.90		
July - - - -	4.25	9.10	5.80	1.00	3.75	3.75		5.50	1.50		
August - - -	5.30	11.00	4.50	5.00	1.10	5.50	6.00	7.60	6.50		
September -	1.50	6.70	4.20	11.75	9.10	2.10	8.75	7.00	2.50		
October - -	8.70	3.40	11.30	6.20	5.50	4.70	5.20	5.60	7.00		
November -	2.50	10.90	1.75	8.75	5.00	6.25	7.50	.90	3.00		
December -	4.60	4.80	9.40	5.20	10.00	5.50	8.50	4.50	13.00		
TOTALS -	61.00	71.20	69.40	67.65	57.30	48.35		59.45	71.55		



## Cartersgill

Dumfries.

10 in

+ Ground 2 ft + S.L. 370

Bk - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	9.90	6.50	6.10	9.45	5.60	5.40	13.70	6.10	7.80	10.00	8.055
February - -	5.30	5.75	2.20	4.40	3.50	4.00	6.40	4.50	8.50	9.90	5.445
March - - -	6.60	8.25	5.60	1.90	4.60	2.20	4.00	2.50	9.60	1.80	4.705
April - - - -	1.80	.80	5.60	6.40	1.40	.80	2.30	6.30	4.80	3.60	3.380
May - - - - -	4.50	1.00	4.00	4.70	1.90	7.60	2.80	3.30	3.90	1.60	3.530
June - - - - -	7.00	3.70	6.10	4.20	4.90	.40	2.80	3.00	2.00	1.40	3.550
July - - - - -	3.80	8.80	5.90	1.20	3.00	2.80	3.70	5.70	1.30	1.90	3.810
August - - - -	5.20	9.70	4.50	4.50	3.00	5.50	5.60	5.50	6.50	2.25	5.225
September - -	1.60	6.80	4.50	9.30	8.60	1.70	7.80	5.75	3.25	10.10	5.940
October - - - -	8.90	3.40	1.80	5.30	5.30	5.30	3.90	5.80	6.70	3.00	5.840
November - - -	2.30	10.10	1.80	6.30	4.80	5.60	6.40	.80	4.00	6.20	4.850
December - - -	3.00	4.70	8.70	5.10	8.10	5.50	8.40	3.80	12.60	7.30	6.720
TOTALS - - - -	60.10	69.50	65.80	62.75	54.70	46.80	67.80	53.05	70.95	59.05	61.050

The above figures have been adopted after careful study of Mr. Little's original register.

1869 May 29<sup>th</sup> Potatoes blackened Aug<sup>st</sup> 12 Dahlias & Potatoes frost-struck Aug<sup>st</sup> 27<sup>th</sup> 102° at 4 p.m. Nov<sup>r</sup> 28<sup>th</sup> 16° D.S. 2<sup>nd</sup> 10° 27<sup>th</sup> Zero

1867 Jan'y printed in Mr. Little's table as 6.50 the hill gauge having been entered by mistake

1860 Dec<sup>r</sup> 24<sup>th</sup> Min: by Casella 4 ft above ground. The spirit thrown into the bulb which is 12° below zero at noon it rose to +9°

In Bryson's Ther: the index was pushed as far as it could go 15° below zero the mercury had then forced itself past the index and a globule stood on the top of it

Bryson's Ther is 2° too low



Westerkirk School

Dumfries.

W. Bryce

6 69 400 69  
+ Ground 9 in + S.L. 420

Book - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	11.80	6.10	6.70	10.40	5.60	6.00	14.00	6.30	7.40	10.50	8.480
February - -	4.70	7.00	2.20	4.70	4.00	4.30	6.80	4.10	8.30	8.50	5.460
March - - -	7.00	8.30	5.10	1.90	5.00	2.40	3.70	3.20	9.60	1.90	4.810
April - - - -	1.50	.80	5.30	6.40	1.50	.60	2.60	6.00	5.00	3.50	3.320
May - - - -	3.80	1.10	4.20	4.50	1.50	7.70	2.40	3.70	4.00	2.00	3.490
June - - - -	7.80	3.30	7.50	4.60	5.00	.40	3.00	2.00	1.70	2.00	3.730
July - - - -	2.40	8.30	6.50	1.00	3.00	3.70	3.60	6.50	1.00	2.60	3.860
August - - -	5.50	9.30	4.40	5.10	2.60	5.80	6.00	4.30	5.70	1.40	5.010
September -	1.60	7.00	3.60	10.00	8.20	1.90	7.80	5.20	3.20	10.80	5.930
October - -	9.50	3.50	11.30	4.00	5.10	5.10	4.00	5.30	6.60	2.80	5.720
November -	2.70	11.20	2.00	6.30	5.40	5.80	6.50	.70	5.00	5.50	5.110
December -	3.50	6.00	9.30	5.30	8.00	6.40	6.80	3.90	12.20	7.00	6.840
TOTALS -	61.80	71.90	68.10	64.20	54.90	50.10	67.20	51.20	69.70	58.50	61.760

C C C C C C C C C C

Completed from Ins. returned to J.C. Little



Ewes

(School.)

60

Dumfries.

+ Ground 9 in + Sea Level 407

Bsk - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	7.70	5.60	5.90	8.00	3.70	4.70	11.70	5.20	7.00	9.00	6.850
February - -	3.70	5.50	1.40	4.50	2.70	3.90	5.00	3.50	7.50	9.40	4.710
March - - -	5.30	5.20	6.10	2.10	4.60	2.00	3.00	2.50	7.50	1.65	3.995
April - - - -	1.70	1.90	4.40	4.70	1.00	.70	1.90	5.90	3.50	2.30	2.800
May - - - -	3.00	.30	4.00	2.70	1.50	6.70	2.00	2.70	2.80	2.10	2.780
June - - - -	5.10	3.80	6.00	2.60	5.50	.40	2.30	1.30	1.60	1.80	3.040
July - - - -	2.70	7.70	5.70	.75	2.70	2.70	3.10	7.30	.00	2.50	3.595
August - - -	4.30	6.60	3.75	3.00	3.00	5.50	4.50	5.00	5.80	1.70	4.315
September -	1.10	6.50	3.80	7.70	7.00	1.50	6.90	5.30	3.90	11.00	5.470
October - -	7.40	3.40	8.70	4.50	5.30	5.00	2.80	5.00	6.10	2.20	5.040
November -	3.10	8.20	3.50	5.00	4.50	4.50	6.00	1.00	4.10	5.10	4.500
December -	3.60	3.30	7.70	4.20	6.50	4.20	5.50	3.00	11.80	6.50	5.630
TOTALS -	48.70	58.00	60.95	49.75	48.00	41.80	54.70	47.70	62.40	55.25	52.725

Completed from M.L. returned to J.C. Little



## Eskdalemuir

Dumfries.

Mt. Gort 69

6 in

+ Ground 9 in + S.L. 612.

bk - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	9.00	7.10	6.70	9.50	6.20	5.90	13.30	6.60	8.80	9.70	8.280
February - -	5.50	6.50	2.20	5.40	3.70	3.40	7.50	5.20	10.20	9.80	5.940
March - - -	6.60	7.20	5.30	2.30	5.20	2.10	3.60	5.50	10.20	1.90	4.990
April - - - -	1.40	1.60	6.00	6.20	1.00	.60	3.00	6.70	4.90	3.00	3.340
May - - - -	3.80	1.10	4.60	4.40	3.10	7.40	2.80	3.50	4.10	2.20	3.700
June - - - -	6.20	1.50	5.60	7.20	4.30	.60	2.80	1.70	1.70	2.00	3.360
July - - - -	2.50	7.00	6.00	.65	3.30	3.70	3.30	5.20	1.00	2.70	3.535
August - - -	5.20	9.70	6.00	5.50	3.00	6.50	6.60	5.50	6.60	1.00	5.560
September -	1.80	6.40	3.50	8.00	8.70	2.30	6.50	5.00	4.50	11.10	5.780
October - -	10.50	3.70	12.20	5.60	5.80	5.70	4.00	4.40	5.80	2.40	6.010
November -	2.30	11.10	2.40	6.10	4.80	4.90	6.40	.00	3.90	6.60	4.930
December -	4.20	5.00	8.80	5.20	9.20	6.40	8.40	4.50	13.10	10.20	7.500
TOTALS -	59.00	66.90	69.30	66.05	58.30	49.50	68.20	54.60	74.80	62.60	62.925

C

C

C

C

C

C

C

C

C

C

C



# Ettrick Pen Top.

otherwise called Eskdale Pen Top -

sums.

W. Glendinning 69

+ Ground 14<sup>h</sup>

+ S.L. 22 68.

bk- 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	9.00	8.00	9.00	9.10	6.80	7.00	15.30	9.60	7.00	6.70	
February - -	8.00	5.90	3.30	7.30	3.00	6.20	10.25	8.00	10.00	10.10	
March - - -	6.12	4.40	9.00	2.30	3.90	3.80	9.75	5.00	8.80	1.60	
April - - -	1.50	1.50	6.60	10.50	1.40	2.50	4.25	9.50	4.50	3.10	
May - - - -	7.25	1.50	4.90	2.00	2.00	11.00	2.25	11.40	3.00	2.00	
June - - - -	7.50	4.00	7.50	7.30	5.10	1.10	3.00		1.30	2.00	
July - - - -	2.70	7.00	6.80	1.10	3.30	4.50	1.25		.90	3.80	
August - - -	5.50	11.70	5.60	5.70	2.70	9.20	7.75		5.30	2.00	
September -	1.90	6.00	3.50	10.30	11.00	3.00	9.00	5.10	3.00	11.50	
October - -	11.50	6.00	10.50	4.50	8.20	6.20	6.00	5.20	8.20	2.75	
November -	2.40	10.00	1.50	7.00	13.20	6.20	10.80	1.00	4.10	7.80	
December -	3.80	9.50	9.50	4.30	8.80	7.50	11.50	5.25	15.00	9.50	
TOTALS -	67.17	73.50	77.70	71.40	69.40	69.00	91.10		71.90	62.85	

1869 Corrected by original book returned to  
W. Little.



Monmouth

Rochester.

Robt Carter

Sta 3 + Ground 4 in + Sea Level 612 ft  
 Weed, lower - Bank - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				3.75	2.50	2.50	2.00		1.75	.85	
February - -				.75	1.75	.50	2.50		.75	1.75	
March - - -				2.00	3.00	.75	1.25		1.50	—	
April - - - -				2.00	1.50	.75	2.05		2.75	1.75	
May - - - -				3.75	3.25	9.25	.25		6.50	2.75	
June - - - -				6.24	1.25	.75	.50		<del>4.75</del>	2.00	
July - - - -		<sup>W</sup> 4.80		.62	.75	1.25	4.00		<del>Not in</del>	—	
August - - -		2.90		4.58	1.00	1.25	1.50		5.00	—	
September -		3.60		—	2.25	1.75	<sup>from</sup> <del>time</del>		4.00		
October - -		.60		<sup>from</sup> —	15.75	11.0	.50		.75		
November -		.		6.36	1.75	1.50	1.25		1.95		
December -		.		2.61	2.00	1.25	1.00		5.00		
TOTALS -					34.75	32.50					

C

C

C

C

C

C

C



Harwick Falmash

w. the source of the Tiviot

Roxburgh

William Turnbull Esq.

+ Ground 6 in 63

+ Sea Level 800?

Tiviot + c - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			5.50	9.30	4.50	4.50	11.70				
February - -			2.00	4.30	3.40	4.20	6.70				
March - - -			5.40	1.80	6.00	1.90	3.30				
April - - - -			5.00	5.40	1.10	.30	4.00				
May - - - -			3.60	3.50	1.50	9.20	2.20				
June - - - -			5.50	5.20	1.90	.60	2.50				
July - - - -			4.70	1.10	2.20	3.00	4.10				
August - - -			5.50	6.00	1.80	5.50	6.10				
September -			5.70	6.80	6.90	1.10	6.60				
October - -			9.10	5.00	6.30	7.20	3.20				
November -			1.60	4.80		7.50	3.70				
December -			7.70	4.90	3.50	6.30	6.00				
TOTALS -			61.30	58.10		51.30	60.10				

C C C C C

Stopped  
in 1869



# RAINFALL AT *Wolfelee*

45.58  
**60**

*Roxburgh.*

Rain { By .....  
Gauge { .....  
Diameter.....in.

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

Above Mean Sea Level, ..... ft.

*Series TC-3.*

YEAR.....							1866	1867	1868	1869	MEANS.
January .....							9.00		5.20	3.90	
February .....							5.59		6.48	5.39	
March .....							1.70		4.85	.90	
April .....							4.35		3.14	1.20	
May .....							1.88		2.50	4.20	
June.....							1.40		(11.26)	2.30	
July .....							6.18		(2.64)	.60	
August .....							2.18		3.05	1.36	
September ...							4.05		3.57	6.14	
October.....							1.82		3.20	2.30	
November.....							2.98		3.14	2.90	
December.....							5.61		9.62	9.38	
TOTALS .....							46.74		46.65	40.57	

*1868 In - July - Observations omitted  
Largeness taken -*



Langrond Hawick 7 m W

On Rule Water

Roxburgh.

William Oliver Esq.

Bryant Dist Ground 6 in  
Levis 10 - 3.

+ Sea level 570

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				5.63	2.60	1.70	6.93	3.55	5.02	4.90	
February - -				1.58	2.24	1.44	4.72	2.63	4.20	4.50	
March - - -				1.85	4.50	1.93	2.25	2.50	4.85	1.16	
April - - - -			4	2.58	1.10	.80	3.13	4.42	3.50	1.50	
May - - - -			3.45	2.20	2.14	6.28	1.75	2.08	2.02	3.60	
June - - - -			3.70	5.48	1.73	.60	1.56	1.40	1.26	1.86	
July - - - -			3.77	.99	1.62	1.78	5.15	6.28	.64	.62	
August - - -			4.82	4.47	1.33	3.17	3.00	2.25	3.70	1.52	
September -			2.35	4.20	3.17	.72	5.30	2.09	4.10	5.10	
October - -			6.61	3.85	5.10	5.46	1.60	2.80	3.34	2.12	
November -			.72	2.94	3.55	3.04	3.84	.40	3.32	2.40	
December -			3.37	3.30	2.95	5.13	4.14	1.91	8.42	6.18	
TOTALS -				39.07	32.03	32.05	43.37	32.31	44.37	35.46	

The gauge is situated on a grass plot with a slope of about 1 in 20 and is on the E side of a ridge which lies about ~~NNE~~ NNE and whose summit may be 50 or 60 ft above the level of the gauge & at a distance of about 300 yards from it, and whose to the last is at about the same distance and terminates in a valley running nearly N & S this ridge tends to lessen the force of winds from point ranging from SSW to NW the winds being further interfered with by wood which descends at one point to within about 35 yards of the gauge, the gauge may be said to be almost clear from the SSW to SSE to the NW and at a distance of about 30 yards is a house of two storeys and to the N wood about 4 yds off. The nearest point of the Border Hills is between 4 & 5 miles distant, and the watershed between this and Liddesdale between 6 & 7 miles.

Mr. Oliver says (1869) say 3.00 for Aug. 1865



# Hawick Goldielands

2 m. above Hawick nearer the source of the Teviot  
Roxburgh.

NSW  
60

Bryson + ground 600 ft 3 + Sea level 505  
Teviot re-3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			3.30	7.30	1.90	2.20	6.90	3.60	6.10	4.80	
February - -			1.50	2.10	2.10	1.60	5.10	2.40	4.80	5.20	
March - - -			5.00	1.40	4.20	1.20	2.35	2.70	5.00	1.10	
April - - - -			3.20	3.70	1.00	.80	2.10	4.10	3.80	1.05	
May - - - -			3.70	2.05	1.30	7.20	1.30	2.40	2.00	2.70	
June - - - -			4.10	5.40	1.60	.20	1.40	1.50	1.20	.90	
July - - - -			3.20	1.10	1.20	2.50	4.55	7.05	.40	.70	
August - - -			5.10	4.70	1.00	4.45	4.32	2.30	5.10	1.00	
September -			3.00	4.60	4.60	1.00	4.30	2.20	4.40	6.60	
October - -			8.00	3.40	7.30	5.40	1.80	2.20	2.60	2.10	
November -			1.10	3.40	4.00	3.20	3.70	.30	2.60	2.50	
December -			4.20	3.60	3.20	4.20	4.10	1.40	8.60	6.30	
TOTALS -			45.40	42.75	33.40	33.95	41.92	32.15	46.60	34.95	

1868 Notwithstanding the extreme dryness of the summer months when every thing of a vegetable kind was parched and withered for lack of moisture the rainfall during the whole year has been considerably above the average



Harwick Bothwick Brae

on the head of the Bothwick

A Elliott Lookhart Esq.

West in border

60

Roxburgh.

8 + Ground 2 in

+ Sea Level 800 ft

Levist re- 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		3.80	5.00	8.50	2.90	2.40	9.00	14.70	9.20	6.20	
February - -		6.60	1.50	3.10	2.50	4.70	7.90	2.30	5.40	5.50	
March - - -		3.60	5.80	1.60	7.40	2.00	1.60	3.20	5.50	2.00	
April - - - -		1.70	3.90	4.20	1.00	.90	2.60	4.60	4.60	1.80	
May - - - - -		.40	3.40	2.70	1.50	7.00	1.60	2.80	2.00	3.10	
June - - - - -		2.50	5.40	6.10	1.90	.30	1.90	1.80	1.90	1.10	
July - - - - -		5.90	3.10	.70	1.50	2.20	4.30	5.50	.50	1.20	
August - - -		5.00	4.70	4.10	1.10	3.50	4.60	3.30	5.30	1.20	
September -		4.40	2.70	6.20	5.00	1.80	4.60	2.50	4.40	7.90	
October - -		6.00	1.80	9.20	3.70	8.60	6.00	2.40	3.50	4.20	1.90
November -		1.90	8.00	1.20	4.40	3.70	3.30	4.70	.50	2.30	3.60
December -		3.20	4.30	5.20	3.70	4.60	4.00	5.40	2.90	8.60	8.60
TOTALS -		48.00	51.10	49.00	41.70	38.10	50.60	47.60	53.90	44.10	

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

1869 - Now is 1.90, it has been misprinted elsewhere



Kirkton Harwick

Between Harwick &amp; Pele water

Roxburgh

Jm: Welsh Esq:

+ ground 6 in 6 3

+ sea level

Tide + c - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			2.40	5.40	2.00	1.50	5.40	2.30	4.10	3.70	
February - -			1.20	1.40	1.20	1.60	4.70	1.40	3.00	4.10	
March - - -			4.80	1.80	4.10	1.20	2.90	3.10	3.20	1.00	
April - - - -			2.70	2.00	.70	.50	2.10	3.10	2.90	1.00	
May - - - - -			3.20	.90	1.30	6.70	1.30	1.70	1.30	3.00	
June - - - - -			3.80	5.30	1.00	.20	1.00	1.10	1.20	1.30	
July - - - - -			2.80	.70	1.00	2.50	4.90	5.70	.50	.40	
August - - -			4.50	5.30	1.00	3.10	3.10	2.20	4.00	1.00	
September -			1.90	3.60	2.80	.80	4.30	1.60	4.60	5.20	
October - -			6.10	4.20	6.60	5.20	1.00	2.10	2.10	2.00	
November -			.80	2.40	3.00	2.68	3.10	.10	2.70	1.80	
December -			3.30	2.60	2.70	2.50	3.50	1.30	7.00	5.10	
TOTALS -			37.50	35.60	27.40	28.48	37.30	25.70	36.60	29.60	

C C C C C C C C

1868 agrees with ms. rec from Dr. Elliot



*Harwick Lynwood*

*Roxburgh.*

*William Nixon Esq.*

*+ Ground 6*

*+ Sea Level 387*

*Levist + c - 3.*

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			<sup>R</sup> 3.30	5.70	1.90	2.10	4.70	2.90	5.10	5.00	
February - -			1.10	1.70	1.70	1.50	4.50	2.00	4.10	4.30	
March - - -			4.90	1.40	3.80	1.10	2.30	2.20	4.40	1.10	
April - - - -			3.00	3.00	.50	.40	1.90	3.20	3.10	1.00	
May - - - -			3.50	2.00	1.00	5.00	1.20	2.00	1.50	2.40	
June - - - -			4.00	4.90	1.20	1.0	1.10	1.50	1.10	0.00	
July - - - -			3.30	1.00	1.00	2.30	3.90	6.10	.40	.20	
August - - -			4.50	4.10		3.00	3.20	1.70	4.30	.90	
September -			2.20	4.40	3.90	4.00	3.80	2.00	4.20	5.30	
October - -			6.80	3.10	6.30	4.50	1.50	2.00	2.30	1.70	
November -			1.00	3.00	3.70	3.10	3.60	.10	2.10	2.20	
December -			4.00	3.20	3.10	4.20	3.60	1.30	7.40	5.70	
TOTALS -			41.60	37.50	0	29.90	35.30	27.00	40.00	29.80	

*C C C C C C C C C*

*1868 Agrees with his net from Dr Elliot*



RAINFALL AT Sliding Crescent Harwick

60

Wm. R. Turnbull

6 in 69

Rochburgh.  
400 69

Rain { By .....  
Gauge { .....  
Diameter.....5.....in. Height above Ground, 26 ft. 4 in. Above Mean Sea Level, 381 ft.

Twist TC - 3.

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....							# 5.01	3.46	4.54	4.91	
February .....							3.99	1.29	3.52	4.23	
March .....							2.28	1.65	4.24	1.35	
April .....							1.99	2.74	3.75	1.41	
May .....							1.35	2.29	2.18	2.95	
June .....							1.45	1.07	1.42	1.08	
July .....							3.27	6.31	.67	.71	
August .....							3.37	1.80	3.47	1.05	
September ...							3.52	2.01	4.26	5.41	
October .....							1.18	1.70	2.50	2.34	
November ...							3.17	.26	2.54	2.42	
December .....							3.63	1.09	6.39	5.80	
TOTALS .....							34.21	25.67	39.48	33.66	

1868 G is placed in the centre of a level plot of ground about an acre in extent, with nothing higher than the ordinary fences near it, mouth of gauge about 1 in + ground



Rainfall at *Silverbut Hall, Hawick**Rocheburgh**D<sup>d</sup> Elder, Gardener.**g. in middle of g. quite exposed.*Diameter of Gauge, ....*5*.... in.Height above Ground, ...*4* ft. .... in.Above Mean Sea Level, *5.80* ft.*Levis & Co. 3 Basella*

YEAR - -						<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January - -						<i>* 1.17</i>	<i>4.85</i>	<i>2.94</i>	<i>4.00</i>	<i>3.79</i>	
February - -						<i>1.00</i>	<i>4.02</i>	<i>1.73</i>	<i>3.48</i>	<i>3.54</i>	
March - - -						<i>1.52</i>	<i>1.93</i>	<i>1.70</i>	<i>3.67</i>	<i>1.15</i>	
April - - -						<i>.76</i>	<i>2.22</i>	<i>3.52</i>	<i>3.39</i>	<i>1.32</i>	
May - - - -						<i>5.82</i>	<i>1.40</i>	<i>2.46</i>	<i>1.74</i>	<i>2.51</i>	
June - - - -						<i>1.27</i>	<i>1.27</i>	<i>1.12</i>	<i>1.25</i>	<i>1.17</i>	
July - - - -						<i>2.50</i>	<i>3.87</i>	<i>6.09</i>	<i>.68</i>	<i>.58</i>	
August - - -						<i>4.11</i>	<i>3.31</i>	<i>2.31</i>	<i>4.19</i>	<i>1.01</i>	
September -						<i>1.03</i>	<i>3.43</i>	<i>2.12</i>	<i>4.06</i>	<i>5.28</i>	
October - -						<i>5.07</i>	<i>1.28</i>	<i>1.39</i>	<i>2.13</i>	<i>1.94</i>	
November -						<i>2.45</i>	<i>3.38</i>	<i>.33</i>	<i>2.08</i>	<i>2.39</i>	
December -						<i>2.39</i>	<i>3.56</i>	<i>1.48</i>	<i>5.68</i>	<i>3.62</i>	
TOTALS -						<i>28.09</i>	<i>34.52</i>	<i>27.99</i>	<i>36.35</i>	<i>28.30</i>	

*( C C C C C )*



Menslow's Hawick

7 m below Hawick

Roxburgh

Thos Cockburn Esq<sup>r</sup>

+ ground line

+ Sea Level 290

Level 100 - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			0	2.00	4.00	1.08	1.23				
February - -			1.70	.68	1.30	.80					
March - - -			4.20	.94	2.70	1.12					
April - - - -			2.23	1.87	.84	.78					
May - - - - -			2.82	1.23	1.13	6.30					
June - - - - -			3.28	3.93	.80	.10					
July - - - - -			2.35	.80	1.15	2.30					
August - - -			3.38	3.60	.70	3.20					
September -			1.28	2.92	2.90	.52					
October - - -			2.87	2.32	4.52	4.60					
November - -			.32	2.13	2.15	1.63					
December - -			2.18	2.15	1.84	2.30					
TOTALS -			28.61	26.57	21.11	24.88					



Sunnyside,  
<sup>3</sup>/<sub>4</sub> of mi from Jedburgh. N.B.

Roxburgh.

G. W. Hilson Jr.

10 ft 66.867 360 ft 66.67

9.5 in diam. by Casella

+ Ground 1 ft

+ S.L. 333 ft.

Twist TC - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					<sup>#</sup> .82	.27	2.60	2.71	2.28	2.31	
February - -					1.01	.74	2.07	.72	2.10	1.62	
March - - -					1.99	.17	2.55	1.14	2.08	1.00	
April - - - -					1.60	.75	1.22	1.28	2.29	1.05	
May - - - -					1.76	6.09	1.00	2.95	1.23	2.38	
June - - - -					1.26	.07	.52	1.19	.26	2.90	
July - - - -					1.61	2.19	3.20	6.53	1.07	.16	
August - - -					.94	3.05	1.73	1.38	2.58	.62	
September -					2.31	.61	3.29	1.10	3.57	3.79	
October - -					4.74	3.58	.63	1.03	1.32	2.06	
November -					1.51	1.01	2.45	.18	1.93	1.33	
December -					1.94	1.23	1.66	.61	3.95	2.29	
TOTALS -					21.49	20.56	22.92	20.82	24.66	21.51	

✓ C C C C C C



Sinton Parkhead  
Howick

Roxburgh.

M<sup>rs</sup> Barton

+ ground 6 in 63 + garden

Series 1c - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			1.70	5.50	1.40						
February - -			1.80	1.25	1.50						
March - - -			4.50	1.50	3.40						
April - - -			1.30	2.70	1.50						
May - - - -			3.20	1.10	.50	6.40					
June - - - -			3.20	4.10	1.00						
July - - - -			1.80	.50	1.00						
August - - -			3.50	4.50	.90						
September -			1.50	2.25	2.00						
October - -			2.00	3.00	6.40						
November -			1.80	2.30	3.00						
December -			1.50	3.20	2.40						
TOTALS -			3.20	31.90	25.00						

0 0



Sunlawshill Harriet  
at Roxburgh

Roxburgh

+ Ground 6 in

+ Sea Level

Level 100 - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			# 1.70	2.50							
February - -			1.50	.30							
March - - -			4.55	.55							
April - - -			1.30	1.10							
May - - - -			3.80	.00							
June - - - -			3.20	3.50							
July - - - -			1.80	.10							
August - - -			3.50	3.50							
September -			1.60	2.40							
October - -			3.00	2.60							
November -			1.00	1.70							
December -			1.90	1.60	#						
TOTALS -			28.85	20.65							

C C



Springwood Park,  
Kelso.

Roxburgh.

George Wemyss.

10 in

1 ft 65  
+ Ground 8 in. + S.L. 130 ft.

Teviot r - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.55	1.10	1.90	2.90	.90	2.51	2.79	3.30	2.63	2.10	2.368
February - -	1.12	1.40	1.23	.42	1.35	1.00	2.70	.60	2.50	1.47	1.379
March - - -	1.59	1.82	3.46	.70	2.56	1.06	2.31	1.71	2.16	.84	1.821
April - - - -	.75	2.24	1.82	1.57	.82	.67	1.57	1.04	2.34	.89	1.451 -
May - - - -	1.25	.64	3.24	1.41	1.62	3.89	1.09	2.50	1.22	2.17	1.903
June - - - -	4.60	1.54	2.68	3.62	1.60	.36	.70	1.48	.08	1.63	1.829
July - - - -	1.82	3.73	2.18	.65	1.66	2.17	3.32	5.47	.64	.66	2.230
August - - -	1.90	2.62	3.64	3.36	1.02	2.86	3.06	.86	2.45	1.21	2.298
September -	.95	2.85	1.28	2.90	2.33	.77	3.10	1.01	2.77	3.88	2.184
October - -	3.26	.85	2.88	2.18	7.65	4.96	.88	.95	1.85	2.60	2.806 +
November -	2.62	5.15	.55	2.42	2.00	2.04	2.58	.18	1.67	1.75	2.096
December -	3.30	1.65	2.08	1.92	2.05	1.54	2.48	1.38	3.55	3.03	2.298
TOTALS -	26.71	25.59	26.94	24.05	25.56	23.83	26.58	21.28	23.86	22.23	24.663

C C + C C C C C C C

After 1st 1866 - Average depth 13 1/2 ft. = 25.28 the above is the  
 to ground is generally 10 ft. above the above quoted one.

for 1866 from the 4 1/2 gauge



Rainfall at Woolman Galashieles

5 mi N of Galas:

John Murray Esq.

Mrs. return

4.5 on grass 66 ft S of house.

Diameter of Gauge, ..... in. 3

Height above Ground, ..... ft. 3 in.

Above Mean Sea Level, 9.22 ft.

Leads to - 6.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.00	1.60	3.50	3.80	1.51	2.10	4.35	5.47	4.48	3.27	
February - -	5.00	1.70	1.80	1.40	2.58	1.40	3.45	1.60	2.60	2.43	
March - - -	1.70	2.20	3.00	1.42	3.62	1.31	2.21	2.17	2.61	1.37	
April - - -	.60	1.40	1.90	2.42	1.21	.59	1.69	3.62	3.57	2.07	
May - - - -	.50	.50	3.90	1.53	2.03	3.06	1.30	2.90	1.97	2.82	
June - - - -	6.00	1.70	3.60	3.60	1.80	.31	2.05	1.63	1.10	1.57	
July - - - -	1.20	4.90	2.30	.50	1.50	2.59	2.75	5.67	.62	.75	
August - - -	2.50	3.10	3.41	4.05	.65	3.79	3.80	2.22	4.24	.91	
September -	.80	4.00	1.55	3.90	1.75	.79	3.63	2.22	3.62	5.29	
October - -	4.30	1.10	4.00	3.70	6.65	8.08	2.07	2.20	2.37	1.78	
November -	2.10	7.00	.75	2.05	2.90	3.40	3.68	.63	2.64	2.30	
December -	3.00	2.50	3.70	1.06	2.35	2.44	4.19	2.32	4.35	3.07	
TOTALS -	32.70	31.70	33.41	29.43	28.55	29.86	35.17	32.65	34.17	27.63	31.527

After 1 Jan/66 a  $4\frac{3}{4}$  in bottle gauge placed beside the above, top 7 in.  
+ ground is generally .03 above the above quoted one

Return for 1866 from the  $4\frac{3}{4}$  gauge



# RAINFALL AT The Flatt Hall

New Castle

Rockburgh

By John Elliott  
Rain Gauge { Diameter 3 in.

Height above Ground, ..... ft. 6 in.

Above Mean Sea Level, 344 ft.

Ex-8.

YEAR.....				1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....					3.20	3.20	8.60	5.50	6.40	6.50	
February .....					2.30	2.30	5.10	4.30	7.40	8.80	
March .....					3.60	2.10	2.70	2.00	6.50	.90	
April .....					.90	.75	3.30	4.60	4.30	3.00	
May .....					2.00	7.00	1.70	2.80	2.30	2.00	
June.....					4.90	1.00	2.30	2.30	1.40	1.70	
July .....					.75	3.00	3.35	4.00	4.20	.90	2.50
August.....					4.60	3.00	5.00	3.80	5.50	6.10	.80
September ...					7.00	6.00	1.50	6.40	3.60	4.50	9.20
October.....					4.30	4.90	4.20	3.20	3.80	6.20	2.50
November.....					4.50	3.10	3.40	5.60	.80	3.70	6.30
December.....					4.85	6.40	3.60	6.50	3.00	10.10	7.40
TOTALS .....					43.30	37.40	53.20	42.40	59.80	51.60	

C C C C C C C



Rosburgh.

+ Ground gin + L.L. 400

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.75	7.50	5.50	9.25	4.35	5.60	10.25	6.20	7.70	6.75	6.885
February - -	4.20	6.50	2.25	4.50	3.00	4.10	6.50	5.70	8.50	10.00	5.525
March - - -	7.30	6.75	5.50	1.50	5.00	2.30	3.70	4.20	7.25	1.20	4.470
April - - - -	2.00	.25	6.50	5.40	.95	.70	2.50	6.70	4.25	2.60	3.185
May - - - - -	4.00	.70	4.25	4.25	1.40	7.15	2.35	2.70	2.25	2.10	3.115
June - - - - -	7.75	3.50	7.25	5.00	5.30	.50	2.75	2.00	1.10	1.10	3.705
July - - - - -	3.50	6.80	5.75	.75	2.75	3.25	3.45	4.15	.50	2.10	3.270
August - - -	4.50	9.70	4.00	4.50	3.00	4.75	4.30	5.00	4.65	1.25	4.565
September -	1.75	6.50	2.25	8.00	7.20	1.95	7.15	3.60	3.00	8.50	4.990
October - - -	10.50	3.50	10.70	4.50	5.90	5.25	3.50	4.25	7.40	3.00	5.850
November - -	3.25	10.10	2.25	6.00	5.90	5.25	6.00	1.00	3.40	6.00	4.915
December - -	4.25	4.75	7.90	5.50	7.75	5.50	6.30	3.75	10.50	8.00	6.420
TOTALS -	58.75	66.25	64.10	59.15	52.50	46.30	58.75	50.05	60.50	52.60	56.895

C C C ✓ C C C C C C



# Painfall at Pirindean

Liddesdale

Rockburgh.

Miss L Elliott

S W of Rockburgh

370 67

Die 3 in + ground 6 in + sea level 400?  
Ex-8.

YEAR - -					1864	1865	1866	1867	1868	1869	MEANS.
					#						
January - -					4.20	3.85	8.80	5.80	7.60	6.10	
February - -					2.50	3.20	5.40	4.40	7.40	9.10	
March - - -					4.90	2.20	2.60	2.30	6.40	.30	
April - - - -					.50	.70	1.70	5.30	3.50	2.60	
May - - - - -					1.70	6.90	1.60	2.70	2.10	2.10	
June - - - - -					4.50	.40	2.00	2.20	1.40	1.60	
July - - - - -					2.20	3.35	4.50	4.30	.70	2.10	
August - - -					2.60	3.30	3.90	4.00	5.50	.50	
September -					6.50	1.10	6.00	3.30	3.20	8.60	
October - - -					5.80	5.30	3.00	3.30	5.40	2.80	
November -					4.00	3.80	5.70	.20	3.70	5.60	
December -					6.90	5.00	7.20	3.00	9.80	8.30	
TOTALS -					46.30	39.10	52.40	40.80	56.70	49.70	

C C C C C C



Bowhill Gardens  
Selkirkshire

John Mathison

4

597 6314.5

Diam. 7 in + Ground 11 feet 65 + Sea Level 537 feet  
Tweed, Ultnick - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.33	2.30	3.48	4.19	<sup>*</sup> 1.58	2.77	6.38	3.65	4.10	4.30	3.716
February - -	2.76	2.81	1.35	1.72	1.73	1.57	4.60	1.97	4.97	2.99	2.647
March - - -	3.33	3.45	4.01	2.49	3.33	1.45	1.89	2.43	4.04	1.00	2.752
April - - -	1.15	1.23	1.90	2.90	.77	.63	1.10	2.88	2.30	1.43	1.629
May - - -	2.50	.60	3.50	1.43	2.35	3.17	1.51	2.59	2.22	2.93	2.280
June - - -	5.50	3.06	4.74	4.10	2.10	1.10	1.50	1.57	1.10	1.40	2.617
July - - -	1.36	5.67	2.71	1.50	1.30	2.13	3.16	5.18	.33	.54	2.388
August - -	2.36	3.53	4.98	2.17	.88	3.13	3.65	3.68	3.75	1.04	2.917
September -	1.07	3.37	2.16	4.38	3.49	.45	3.76	1.96	3.60	5.12	2.936
October - -	2.16	4.14	5.03	<del>5.03</del> 3.16	5.25	5.90	1.79	2.97	2.98	1.07	<del>3.632</del>
November -	2.54	2.51	.92	<del>1.92</del> 3.26	3.26	3.33	1.40	.25	3.00	2.43	<del>2.056</del>
December -	3.48	3.46	4.49	<del>4.49</del> 1.96	2.78	3.06	2.45	2.25	4.52	3.75	<del>3.463</del>
TOTALS -	32.54	36.21	39.27	<del>35.53</del> 33.26	28.82	28.69	33.19	31.38	36.91	28.00	<del>33.033</del>

\* Heights given in 1864 + Ground 4 ft. + Sea Level 597 ft

1863 - The values originally sent for Oct-Decr are evidently wrong,  
those in red are from Quar. Jour. Scot. Met. Soc.

4-1863 missing



# RAINFALL AT

Galashells

Boothburgh

60

Robt Somerville M.D.

Selkirk

Rain { By .....  
Gauge { Diameter.....5 1/2.....in.

Height above Ground, ..... ft. 4.... in.

Above Mean Sea Level, 365.... ft.

412 69

Wind, force - 5.

YEAR .....								1867	1868	1869	MEANS.
January .....								# 4.20	4.58	# 3.27	
February .....								1.79	4.07	2.95	
March .....								2.68	3.05	1.34	
April .....								3.63	3.41	1.42	
May .....								2.53	2.26	2.63	
June .....								1.70	1.08	1.22	
July .....								5.32	.64	.42	
August .....								2.08	4.27	.93	
September ...								2.14	3.76	5.21	
October .....								2.34	(2.37)	# 1.72	
November ...								.35	(2.64)	2.45	
December .....								2.32	(4.35)	4.50	
TOTALS .....								31.08	(36.48)	(28.06)	

C C C

1869 On grass sunk no obs taken in Jan

Oct '68 - Jan '69 interpolated from Woodhouse 10 '21



## RAINFALL AT

*The Glen Peebles**Traquair**Charles Tennant Esq.*

Rain { By .....

Gauge { Diameter.....in.

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

Above Mean Sea Level, *7.65* ft.*Tweed, Bank - 1.*

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....						5.00	5.50	4.90	4.35		
February .....						2.60	2.35	2.95	9.79		
March .....						2.30	.80	1.47	6.41		
April .....						.80	4.65	6.20	3.10		
May .....						4.65	.45	1.89	1.76		
June .....						.42		1.35	.21		
July .....								1.76	Broken		
August .....								1.29	3.08		
September ...								3.34	1.74		
October .....						5.30		2.12	3.56		
November ...						4.40		.60			
December .....						5.00		3.31			
TOTALS.....								31.18			

C

C

C

*65 Bonshaw*



Stobo Castle

Peeblesshire

Mr. James Anderson

+ ground 2 in + sea level 600 feet

Tweed, L. bank - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.50	1.00	3.70			.50					
February - -		2.00	1.50			.70					
March - - -		2.30	4.80			1.00				.20	
April - - -		.40	2.00			.40				.10	
May - - -		.50	2.00			2.00				.50	
June - - -	3.50	2.70	3.90			0.00					
July - - -	.50	5.30	2.00			.20					
August - - -	3.80	3.30	3.10			1.30					
September -	.50	3.00	.80			2.20					
October - -	3.00	1.40	3.70			2.40				1.40	
November -	1.10	4.60	2.20			1.40				5.00	
December -	1.60	1.40	3.00			2.10					
TOTALS -	—	27.90	32.70								

Feb. ? snow

Anderson knows nothing of its returns - 1865



RAINFALL AT *Syne*

*S Kelly*

*Peebleshire*

Rain { By .....  
Gauge { Diameter.....*5*.....in.

Height above Ground, ..... ft. *9*... in.

Above Mean Sea Level, ...*560*<sup>?</sup> ft.

*Tweed, L. bank - 2.*

YEAR .....								<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January .....								<i>3.03</i>			
February .....								<i>2.48</i>			
March .....								<i>1.67</i>			
April .....								<i>3.60</i>			
May .....								<i>1.91</i>			
June .....								<i>1.86</i>			
July .....								<i>5.58</i>			
August .....								<i>1.96</i>			
September ...								<i>2.67</i>			
October .....								<i>2.47</i>			
November ...								<i>.47</i>			
December .....								<i>2.94</i>			
TOTALS .....								<i>30.64</i>			

*C*



RAINFALL AT *Carmanville**Pentlands**Peebles.*Observer..... *A. Buchanan*.....*W. Peebles  
- N. Stobo & Lym*

Rain { By.....

Gauge { Diameter.....in.

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

Above Mean Sea Level.....ft.

*Tweed, L. bank - 2.*

YEAR.....									<i>1858</i>	<i>1869</i>	MEANS.
January.....									<i>5.14</i>	<i>3.49</i>	
February .....									<i>3.38</i>	<i>4.17</i>	
March .....									<i>3.20</i>	<i>2.28</i>	
April.....									<i>5.90</i>	<i>2.23</i>	
May .....									<i>2.56</i>	<i>3.16</i>	
June.....									<i>.96</i>	<i>3.14</i>	
July .....									<i>.41</i>	<i>1.48</i>	
August.....									<i>5.42</i>	<i>.42</i>	
September.....									<i>4.12</i>	<i>5.06</i>	
October.....									<i>3.15</i>	<i>1.86</i>	
November.....									<i>2.72</i>	<i>3.08</i>	
December.....									<i>4.86</i>	<i>3.21</i>	
TOTALS .....									<i>41.82</i>	<i>33.58</i>	

*C C*



North Esk Reservoir

Penicuik Peebles

Wm John Gamcock

3 in bell in 68 ground bin

+ Sea Level 1150 feet

bk - 3

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.90	2.28	4.10	7.10	2.40	5.25	5.10	4.15	5.95	2.45	4.368 +
February - -	6.40	2.50	1.40	2.62	2.55	1.60	4.55	3.45	4.90	5.00	3.497
March - - -	4.95	3.51	3.10	.92	4.40	1.20	2.05	1.05	3.40	1.05	2.563
April - - - -	.78	1.55	3.20	2.90	1.05	.45	2.30	4.25	4.30	1.65	2.243 -
May - - - -	1.51	.70	3.30	2.65	1.90	4.30	2.25	2.70	2.00	2.15	2.346
June - - - -	3.95	2.35	3.30	2.85	2.45	.70	1.55	2.15	.80	3.30	2.340
July - - - -	2.39	4.43	4.50	.82	2.30	4.25	3.75	5.10	.65	1.25	2.944
August - - -	3.09	5.35	5.40	2.45	1.05	4.65	3.85	2.05	6.70	.80	3.539
September -	.95	5.10	2.00	5.00	3.98	1.00	2.85	2.70	3.85	5.55	3.298
October - -	4.98	2.20	6.70	3.45	7.95	7.60	2.25	2.45	2.95	2.25	4.278
November -	1.51	6.30	1.50	3.22	2.95	3.10	3.95	.75	3.30	3.20	3.178
December -	3.65	2.00	4.60	3.75	3.00	2.60	4.50	2.70	4.55	2.85	3.420
TOTALS -	39.06	40.27	43.10	37.73	35.98	36.70	38.95	33.50	43.35	31.50	38.014



Thirlestane

Bennet.

James Whittier

Di 3 in + ground 3 in + Sea Level 558 ft  
 Towed, Leader - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.50	1.70	3.20	4.55	2.00	1.90	4.50	6.70	4.30	3.10	3.445 +
February - -	4.50	2.10	1.50	1.50	2.45	2.30	3.80	1.65	2.00	2.20	2.400
March - - -	3.30	2.85	2.35	1.60	3.50	1.30	7.90	1.60	2.20	1.20	2.780
April - - - -	.50	1.50	2.20	2.00	.80	.90	1.20	2.60	2.90	2.00	1.660 -
May - - - - -	.70	.80	3.50	.85	2.60	3.20	.75	1.80	1.50	1.60	1.730
June - - - - -	5.40	1.25	3.50	2.00	1.10	.10	1.50	1.50	.60	1.80	1.875
July - - - - -	1.20	4.65	1.70	.50	1.70	2.10	2.70	4.20	.30	.40	1.953
August - - -	1.00	3.25	3.30	3.40	1.00	3.90	3.60	1.00	3.40	.95	2.488
September -	.35	4.25	1.65	3.00	3.85	.90	2.40	2.00	3.20	4.30	2.590
October - - -	3.51	1.20	4.00	2.60	6.85	7.70	2.30	1.50	1.95	1.90	3.351
November -	2.80	6.10	4.60	2.80	3.20	2.20	2.90	.50	2.30	1.60	2.900
December -	3.60	1.70	3.00	1.65	2.70	2.30	3.10	2.20	4.60	3.20	2.805
TOTALS -	29.52	31.35	34.50	26.45	31.75	28.80	36.65	27.25	29.25	24.25	29.977

1868 Average of 12 y<sup>r</sup> 29.34







*Dwight*

**60**

*Bennick.*

*Prime Garden*

RAINFALL AT *St. John's, N.S.*

*Canada*

*S. M. S.*

*Tweed, L. bank - 3.*

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.70	40	1.70	3.20	.80	1.20	3.90	2.10	2.30	2.60	
February - -	1.20	2.00	.70	.50	1.10	1.00	2.50	.50	.90	1.40	
March - - -	2.10	3.00	3.48	1.20	3.20	.70	2.70	1.40	.70	1.00	
April - - -	.90	1.50	1.90	1.90	.90	1.00	2.50	2.10	2.50	.70	
May - - - -	1.90	.80	4.80	2.00	3.40	4.30	.80	2.40	.90	1.90	
June - - - -	5.60	3.10	3.60	4.60	2.20	.60	(.80)	1.20	.00	2.40	
July - - - -	4.50	4.10	2.80	.16	2.00	1.80	4.20	7.50	.30	1.20	
August - - -	2.00	2.60	4.40	2.50	.90	3.50	3.40	1.40	1.80	.80	
September -	1.60	4.10	2.90	3.30	2.40	.40	2.40	1.20	3.20	4.80	
October - -	2.40	.60	2.60	3.30	9.70	7.70	2.40	1.20	2.20	2.30	
November -	2.80	4.90	1.30	2.80	1.70	2.10	1.50	.30	2.01	1.30	
December -	2.10	2.30	2.60	1.80	2.10	.80	2.40	1.40	3.10	2.20	
TOTALS -	31.80	29.40	32.78	27.26	30.40	25.10	(29.90)	22.70	19.91	22.60	27.185

*It is C. H. e c c c*

*62 Buchanan*



6 NW

60

RAINFALL AT *Swinton near Goldstream*  
*Berwickshire*

Observer *P. R. Norman*

Rain { By .....  
Gauge { Diameter *6* in.

Height above Ground, .....ft. *9* in.

Above Mean Sea Level *200* ft.

*Tweed, L. bank - 3.*

YEAR.....										<i>1869</i>	MEANS.
January.....										<i>2.66</i>	
February .....										<i>1.81</i>	
March .....										<i>1.57</i>	
April .....										<i>1.46</i>	
May .....										<i>2.67</i>	
June .....										<i>2.51</i>	
July .....										<i>.72</i>	
August .....										<i>1.15</i>	
September.....										<i>4.40</i>	
October .....										<i>2.32</i>	
November.....										<i>1.09</i>	
December .....										<i>2.17</i>	
TOTALS .....										<i>24.53</i>	

C



# RAINFALL AT *Marchmont House*

60

*Peter Loney (Gardener)*

*Berwick*

Rain { By .....  
Gauge { Diameter.....*5*.....in.

Height above Ground, *1* ft. .... in.

Above Mean Sea Level, *500* ft.

*Whitadder - 4.*

YEAR .....								1867	1868	1869	MEANS.
January .....									3.97	2.65	
February .....								2.85	2.71		
March .....								1.93	2.00		
April .....								3.15	2.17		
May .....								3.31	2.07	3.08	
June .....								2.31	.55	3.72	
July .....								6.54	.66	.70	
August .....								2.17	3.23	1.17	
September ...								2.41	3.88	4.21	
October .....								1.67	2.70	3.32	
November ...								.64	2.14	2.03	
December .....								2.27	4.60	3.36	
TOTALS .....									31.73	31.12	



22510 Wms

60

Mungos Walls

Dunse Berwickshire

55.46  
2.18

James Thomson

bin 63 664 65 60

Sea 3 + Ground 4 in 69 + Sea Level 267 feet  
Whitadder - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.30	1.56	1.82	3.36	1.12	2.89	2.12	5.18	3.00	2.29	2.864
February - -	.80	2.02	1.72	56	2.22	1.50	3.11	1.05	1.81	1.88	1.675 -
March - - -	1.39	2.48	4.21	1.10	3.86	1.10	2.97	1.54	1.52	1.46	2.171
April - - -	.64	1.92	1.68	1.83	.97	1.51	1.86	2.59	2.67	1.67	1.734
May - - - -	1.33	.95	3.06	1.63	2.65	4.25	1.35	2.99	1.58	2.62	2.241
June - - - -	4.01	2.62	2.48	3.50	1.22	.27	1.33	1.64	.40	3.05	2.052
July - - - -	2.13	3.08	2.62	.41	1.73	2.56	4.57	6.04	.44	.80	2.438
August - - -	1.69	2.40	4.10	5.23	.55	2.95	3.08	1.22	2.71	1.24	2.519
September -	.85	3.00	1.41	2.51	2.95	.50	2.75	1.68	3.83	3.61	2.307
October - -	2.57	.91	2.78	2.40	8.10	7.88	1.39	1.39	2.22	2.17	3.181 +
November -	3.60	5.86	.83	3.15	2.83	2.33	2.58	.57	2.52	1.29	2.556
December -	5.56	1.57	2.09	1.90	3.15	1.70	2.59	2.26	3.56	3.10	2.756
TOTALS -	29.87	28.37	28.80	27.58	31.35	29.68	29.70	28.15	26.26	25.18	28.494

2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100

1867 And direct small open frame



RAINFALL AT Dunoe Fiendhill

Berwick

Observer.....

Rain { By.....  
Gauge { .....

Diameter.....8.....in.      Height above Ground,.....ft.....in.      Above Mean Sea Level...500ft.

Whitesadder - 4.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....											
February .....											
March .....											
April.....											
May .....											
June.....											
July .....											
August.....											
September.....											
October .....											
November.....											
December.....											
TOTALS .....	39.48	31.12	34.50	31.46	37.44	36.22	36.69	33.71	34.56	32.09	34.727

C C C C C C C C C C C



St. Abbs Head.

L N

Berrick.

+ Ground 4 in

+ Sea Level.

6. Coast streams - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				2.45	.67	1.28	1.37	1.59	1.16	2.21	
February - -				.22	2.54	1.97	2.20	.97	1.04	.84	
March - - -			2.12	.53	2.41	.90	1.99	1.47	1.27	.49	
April - - -			1.47	.99	.77	1.15	.69	1.54	2.49	.65	
May - - - -			2.94	1.21	2.37	3.12	.61	1.95	1.20	1.57	
June - - - -			2.98	3.19	1.49	.24	.18	1.31	.21	2.28	
July - - - -			1.52	.30	.67	2.80	4.10	5.75	.46	.45	
August - - -			2.96	3.01	1.53	3.05	1.68	.71	3.04	1.22	
September -			.88	1.95	2.63	.21	2.64	1.96	2.93	2.74	
October - - -			2.47	1.47	5.74	5.29	1.33	.97	1.90	1.73	
November - -			.77	2.32	2.21	2.51	2.08	.10	1.28	.88	
December - -			1.77	1.25	2.52	1.11	1.41	2.09	3.38	1.22	
TOTALS -				18.89	25.55	23.63	20.28	20.41	20.36	16.28	

C C Ve C C C C C C

Vol. Return of the ...



H. H. H. H. H.

Thurston

Haddington.

+ ground 3 feet  
 + Sea Level 320 feet  
 6. Coast streams - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.10	1.50	3.10	3.60	1.40	.90			3.10	2.60	
February - -	.10	1.60	2.00	.30	2.90	.80			.80	1.60	
March - - -	3.30	1.40	3.20	1.40	5.80	.90			1.70	1.30	
April - - -	.20	2.40	1.80	.90	1.40	2.00			3.70	1.70	
May - - - -	1.70	.90	4.10	1.50	3.50	5.50			1.00	1.70	
June - - - -	4.30	2.80	4.40	2.80	2.10	.30			.00	3.40	
July - - - -	.40	3.70	1.80	.30	.90	2.50			.20	.40	
August - - -	2.20	2.10	4.10	7.50	.40	2.50			2.00	1.00	
September -	1.40	3.20	.60	2.30	2.70	.10			4.20	4.10	
October - - -	5.20	.50	2.90	1.40	10.90	7.80			2.60	1.80	
November -	6.30	5.70	.80	1.80	2.50	1.30			1.90	1.10	
December -	3.90	1.00	1.60	2.00	3.50	1.00			5.00	1.00	
TOTALS -	34.10	25.80	30.40	25.80	36.00	25.60			26.20	21.70	

1864 Oct 19th 6am to 8½pm 2.40 2.40

Oct 21-2 (night) 2.00  
 " 22 (day) .60 } 2.60

Oct 23-4 (night) .90  
 " 24 (day) .40 } 1.30

" 26-7 (night) .30  
 27 .40 } .70

27-8 (night) 2.10  
 28 (day) 1.60 } 3.70



Oyster

Haddington.

Alex Shearer

g. in centre of garden quite clear = 64.865

64 = 425

+ ground 6 in.

+ Sea Level 420 ft

Type TC-14.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.20	1.15	2.84	3.20	1.45	3.60			2.20	3.45	
February - -	1.65	1.80	2.55	1.21	2.30	1.40			1.72	1.60	
March - - -	2.20	1.10	3.35	1.28	2.25	1.25			2.50	.79	
April - - - -	1.60	4.00	2.00	1.90	.85	1.25			2.30	.60	
May - - - -	.85	.80	3.40	2.00	2.15	5.15			1.55	1.20	
June - - - -	4.27	2.60	4.15	3.65	.95	1.85			1.00	2.10	
July - - - -	2.80	3.95	3.95	.45	.90	2.70			.30	.35	
August - - -	2.60	3.00	4.60	4.90	1.60	3.10			3.50	1.8	
September -	3.56	5.05	2.50	2.45	2.90	1.25			4.80	3.80	
October - -	2.90	1.80	4.15	3.80	11.60	9.05			1.70	2.50	
November -	2.99	5.80	1.45	2.50	4.05	2.90			2.39	2.25	
December -	4.78	2.35	2.90	2.25	3.15	2.60			4.50	1.95	
TOTALS -	34.40	33.40	37.84	29.59	34.15	36.10			28.46	20.77	

taken weekly

Weekly

1868 only with creek



# Millfield Hadolington

Mr. Thos. Dods

4. in an exposed place

Dia 6

+ Ground 4-6

+ Sea Level 140 = 65 66

Tyre TC - 14.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.80	1.00	2.60	3.20	.90	5.20	2.40	8.00	2.80	2.60	3.250 +
February - -	1.20	1.80	1.40	.50	2.70	.80	2.80	1.30	1.20	1.60	1.530 -
March - - -	2.10	2.00	3.40	.80	2.80	.90	1.80	1.50	1.60	1.10	1.800
April - - - -	.70	2.10	1.50	1.60	.60	.70	1.50	2.30	2.90	1.40	1.530 -
May - - - -	.50	.60	3.20	1.30	2.30	5.00	.80	2.00	1.50	1.80	1.900
June - - - -	3.90	2.00	3.00	1.90	.20	.20	1.20	1.80	.40	1.60	1.620
July - - - -	.80	3.30	2.80	.40	1.70	3.50	4.60	4.70	.20	.50	2.250
August - - -	2.30	2.50	3.50	4.20	.80	2.50	3.00	1.90	3.40	.80	2.490
September -	1.00	4.00	2.30	3.00	2.30	1.00	2.40	.80	3.80	3.20	2.380
October - -	2.40	1.10	2.80	2.20	9.80	4.70	1.00	.80	1.20	2.20	2.820
November -	3.10	5.00	1.00	2.20	2.20	1.80	2.50	.70	1.50	1.40	2.140
December -	5.50	.50	2.30	1.70	1.80	1.20	.80	1.20	3.00	1.20	1.920
TOTALS -	27.30	25.90	29.80	23.00	28.10	27.50	24.80	27.00	23.50	19.40	25.630

1864 June returned once as 1.20  
 1864 Oct 20 = 1.70; 22-3 = 4.60; 27-8 = 3.30.



East Linton

S. L.

Lat. 55.59.8 N Lon. 2.39.15 W Haddington

Mr John Storie

Ships Reg No 65

Diam 3 in + Ground 3 in

+ Sea Level 90 feet

Type TC-4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.71	1.60	3.23	2.75	.91	2.15	2.06	4.31	2.10	1.79	2.469
February - -	.79	.77	1.45	.49	2.43	.56	2.30	.70	1.10	1.13	1.172
March - - -	1.51	1.94	3.72	1.11	3.16	.81	2.18	1.29	1.01	1.08	1.781
April - - -	.83	2.20	1.40	1.37	.70	.78	1.00	1.19	2.86	1.00	1.333
May - - - -	.73	1.18	3.14	1.32	1.90	5.27	.68	1.44	1.68	1.76	1.910
June - - - -	3.44	2.04	2.80	2.62	1.43	.25	.84	1.44	.29	1.82	1.697
July - - - -	.70	4.23	2.46	.57	1.82	3.07	3.96	6.96	.42	.27	2.446
August - - -	2.01	2.93	3.00	4.96	1.18	2.28	2.16	.96	2.11	.98	2.257
September -	1.16	3.21	2.49	2.43	2.48	.65	2.04	.95	2.72	2.63	2.076
October - - -	2.43	1.14	2.39	2.18	10.43	5.89	1.08	.73	.58	1.98	2.883
November - -	3.10	5.21	1.20	2.19	1.95	1.20	1.98	.33	.80	.85	1.881
December - -	6.20	.66	2.00	2.11	1.53	.96	1.22	1.01	2.45	.48	1.862
TOTALS -	26.61	27.19	29.28	24.10	29.92	23.87	21.50	21.31	18.12	15.77	23.767

✓ c r c c c c c c c c



Smeaton

Haddingtonshire

John Black

8 ft 6 in 65  
13 61 67

Mss. No. 34

Diam 7 in + ground 8 feet

+ Sea Level 100 feet

Type TC - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.02	1.23	2.51	2.79	.76	2.47	2.26	4.40	2.30	2.15	2.389
February - -	.71	.57	1.41	.66	2.41	.59	3.00	.91	1.35	1.50	1.311 -
March - - -	1.16	1.80	3.55	.64	3.17	.72	2.02	1.22	1.21	.95	1.652
April - - -	.68	1.49	1.28	1.30	.71	.00	.08	1.78	3.41	1.49	1.382
May - - - -	.69	.87	2.80	1.11	1.19	4.18	.75	1.89	2.00	1.64	1.712
June - - - -	3.34	1.78	3.02	2.45	1.46	.55	1.32	1.76	.44	2.17	1.829
July - - - -	.50	3.51	2.46	.60	1.23	3.31	3.67	7.44	.48	.59	2.379
August - - -	1.50	3.08	2.99	4.42	1.07	1.91	2.28	1.68	3.01	.98	2.292
September -	.92	3.09	1.99	2.72	1.87	.57	2.09	1.08	3.51	3.51	2.135
October - - -	2.31	1.55	2.26	1.67	10.34	5.38	1.03	1.12	.64	1.79	2.807 +
November - -	2.50	4.22	.80	1.99	1.93	.50	1.95	.51	.97	1.11	1.648
December - -	4.12	.70	1.86	1.50	2.05	1.07	1.42	1.15	2.88	.52	1.727
TOTALS -	21.45	23.97	26.93	21.85	28.19	22.05	22.67	24.94	22.20	18.30	23.263

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓



RAINFALL AT *Seacliffe Park* *Barnwick*

*Haddington*

Observer.....*J. M. Litchley Esq.*.....

Rain { By.....

Gauge { Diameter.....in.

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

Above Mean Sea Level...*80*.....ft.

*Type TC-4.*

YEAR.....									<i>1868</i>	<i>1869</i>	MEANS.
January.....									<i>2.32</i>		
February .....									<i>.86</i>		
March.....									<i>1.32</i>		
April.....									<i>2.90</i>		
May .....									<i>1.60</i>		
June.....									<i>.32</i>		
July .....									<i>.51</i>		
August.....									<i>2.87</i>		
September.....									<i>3.44</i>		
October .....									<i>1.24</i>		
November.....									<i>.98</i>		
December.....									<i>2.69</i>		
TOTALS .....									<i>21.05</i>		

*A. Buchanan*



Fenton Barnes

Drem

Haddington.

George Hope

1 ft 6 in

103 66

Sea 2 1/2 + Ground 8 in 63 + Sea Level 100 ft  
 Firth of Forth - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				2.30	1.20	1.50	2.20	.40	2.40	2.50	
February - -				.70	2.00	.80	2.70	1.10	1.00	1.30	
March - - -				1.00	3.75	1.00	1.60	.90	.90	1.00	
April - - -				1.60	1.00	1.10	1.60	2.10	3.10	1.60	
May - - - -				1.50	1.75	4.00	1.05	2.90	2.10	1.80	
June - - - -				2.50	1.40	.30	1.20	2.30	.40	2.20	
July - - - -				.80	1.60	2.70	4.10	6.60	.40	.70	
August - - -				4.50	1.10	2.40	3.40	2.20	3.50	1.00	
September -				2.60	2.80	.90	2.80	1.00	3.60	4.90	
October - -				1.90	8.70		1.20	1.50	1.25	1.90	
November -				2.20	2.10		2.30	.50	1.00	1.00	
December -				1.80	2.20		2.10	1.40	2.85	.70	
TOTALS -				23.40	29.50		26.25	22.90	22.58	20.60	

c c c c c c c

65 Buchan

1867 Jan? was snow measured



RAINFALL AT Moortoot, EladhouseEdinburgh.

Observer .....

Rain { By .....

Gauge { Diameter.....in.

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

Above Mean Sea Level 900 ft.bk 4.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....									6.22	3.92	
February.....									4.55	4.54	
March.....									5.18	1.38	
April.....									5.00	2.13	
May.....									2.71	2.75	
June.....									1.33	2.72	
July.....									1.00	1.27	
August.....									5.59	.81	
September.....								2.63	4.64	5.35	
October.....								2.35	4.19	2.38	
November.....								1.01	3.23	4.31	
December.....								2.33	5.61	2.94	
TOTALS.....									49.25	34.50	

1867 imp - 1869 from P.Y.28. XI. 1813



# Glenorse Reservoir Cottage.

E W W

milstonian.

Alasd. Ramsay

0 0

787

+ Ground 6 in 6.1 + Sea Level 680 feet 6.1

ok-4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.80	2.30	3.15	7.00	2.20	3.65	4.28	6.00	5.90	3.50	4.278
February - -	<del>2.75</del> 2.85	2.75	2.05	2.60	3.10	1.75	4.60	2.90	6.00	4.80	3.330
March - - -	3.50	3.50	4.60	1.00	4.05	1.55	1.80	1.90	3.90	1.50	2.730
April - - -	.85	2.25	2.05	3.45	.90	.40	2.20	3.85	4.65	2.00	2.260
May - - -	1.05	.85	3.40	2.15	1.90	6.05	2.00	2.80	2.60	2.95	2.575
June - - -	3.90	2.65	3.30	3.85	1.45	.40	1.25	2.50	1.20	1.15	2.165
July - - -	1.25	4.20	3.80	.65	2.20	3.40	4.80	7.55	.55	.95	2.935
August - - -	1.90	4.00	6.00	4.25	.65	4.50	3.75	1.90	5.80	1.25	3.400
September -	1.05	4.50	2.10	4.80	3.60	.70	3.65	2.45	4.60	5.70	3.315
October - -	3.45	1.80	6.25	3.15	9.90	6.55	1.50	2.45	2.90	2.35	4.030
November -	2.10	8.00	2.00	2.80	3.20	2.95	3.55	.50	3.05	2.70	3.085
December -	3.00	1.30	4.40	3.60	2.65	2.70	5.15	2.55	5.30	3.55	3.420
TOTALS -	<del>29.70</del> 29.60	38.10	43.10	39.30	35.80	34.60	38.53	37.35	46.45	32.40	37.523

29.60

✓

Corrections sent by W. H. Cameron Esq C. E. Oct. 1874



RAINFALL AT *Millerfield House Dalkeith*

*M J Miller Esq*

*Wilson 1*

Rain { By .....

Gauge { .....

Diameter *10* in. ☒

Height above Ground, ..... ft. *6* in.

Above Mean Sea Level, ..... ft.

*2k-14.*

YEAR .....							1867	1868	1869	MEANS.
January .....							3.20			
February .....							1.79			
March .....							1.24			
April .....							2.89			
May .....							3.64			
June .....							2.64			
July .....							6.27			
August .....							2.53			
September .....							1.96			
October .....							1.80			
November .....							.83			
December .....							1.37			
TOTALS .....							30.16			



Dalkeith Park

L J

Milestone.

Wm Thomson

Mys. Res. No 76

183

Drain 9 in + ground <sup>6</sup>5.5<sup>u</sup> + Sea Level 190 feet 61  
 bk - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.89	broken	2.50	4.00	.96	2.23			2.87	1.94	
February - -	1.20	1.10	.75	1.21	1.11	1.15			1.30	2.38	
March - - -	1.60	.75	.70	.40	2.00	1.18			1.70	.38	
April - - -	.44	1.60	.65	1.58	.85	.90			2.00	1.12	
May - - - -	.46	.50	1.80	.87	1.60	4.21			1.60	1.58	
June - - - -	2.45	3.26	2.10	2.62	2.10	.50			.35	1.41	
July - - - -	1.30	3.10	1.68	.70	1.65	3.00			.35	.30	
August - - -	2.67	2.30	3.33	4.32	.87	no return			3.55	.90	
September -	.98	4.35	2.60	3.13	2.82	.55			2.20	3.68	
October - -	2.18	1.50	3.60	1.85	7.36	3.90			1.10	1.80	
November -	5.52	5.50	.80	1.28	2.12	.90			.53	1.45	
December -	2.15	.55	2.30	1.50	2.30	no return			2.52	1.55	
TOTALS -	23.84		22.81	23.46	25.74	11.9			20.07	18.49	

C C C C C C  
 Danger

In 1865 g. removed from greenhouse to a "proper place"  
 60 is Inveresk



Inveresk

Musselburgh

Midlothian.

Wm. Mc Anslane

2 66-68

6 in + Ground 3 feet 6 in + Sea Level 60 feet

Ex-14.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.21	1.06	2.67	4.03	1.19	3.20	2.14	4.03	3.20	2.42	2.775
February - -	2.34	1.76	1.26	2.02	2.36	1.09	3.14	2.30	2.47	2.32	2.106
March - - -	2.60	2.00	3.58	.64	2.66	1.06	2.08	1.80	2.04	.86	1.940
April - - -	.78	2.11	1.78	2.17	1.21	.58	1.89	3.35	2.90	1.08	1.785 -
May - - - -	1.85	.68	2.98	1.24	2.31	4.55	1.50	2.85	1.96	1.64	2.156
June - - - -	4.37	2.98	3.63	3.18	2.17	.32	1.02	2.52	.50	1.26	2.195
July - - - -	1.30	3.23	2.59	.54	1.61	3.25	4.52	6.23	.37	.49	2.413
August - - -	2.67	2.98	4.14	4.67	.95	4.55	3.58	2.44	5.06	.97	3.201 +
September -	.98	4.59	2.13	3.21	3.44	.60	2.69	1.49	3.92	4.54	2.759
October - - -	3.17	1.54	3.96	2.36	8.06	4.99	1.10	2.32	1.73	1.82	3.105
November - -	2.18	4.75	1.52	2.49	2.27	2.26	2.57	.63	2.16	1.34	2.217
December - -	5.52	.95	2.65	2.55	1.79	1.33	2.75	1.15	3.81	.94	2.364
TOTALS -	31.97	28.51	32.89	29.10	30.02	27.78	28.98	31.11	30.12	19.68	29.016

1867 Ann. J. 2. Ganges



Cobbinshaw Loch

55.48 N. 3.33 W

midstian.

Ja! Deas Ja! Deas 67

Si 5 1/2 + ground 7 in.

+ Sea Level 863 ft.

Almond + C - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.40	1.80	4.70	6.60	2.10	3.50	5.60	3.80	6.10	4.10	4.270
February - -	2.10	1.90	1.10	2.60	2.80	1.50	3.60	3.70	5.50	5.60	3.040
March - - -	3.30	4.70	2.80	1.10	4.40	1.00	2.00	1.40	5.00	1.00	2.670
April - - - -	.60	1.40	3.00	2.90	1.30	.40	2.10	4.40	4.10	1.40	2.160 -
May - - - - -	1.40	.40	3.00	2.50	2.00	3.80	1.90	2.40	2.60	2.20	2.220
June - - - - -	4.70	2.50	3.60	2.60	2.30	.60	1.90	3.20	.60	2.20	2.420
July - - - - -	2.10	3.20	4.30	.20	2.80	3.50	4.50	5.60	.50	1.70	2.840
August - - -	3.00	5.00	3.90	3.00	.80	4.60	4.00	4.80	4.30	.90	3.510
September -	1.20	4.90	2.20	4.90	3.60	1.00	4.10	3.00	2.90	6.20	3.400
October - -	5.10	2.30	7.70	3.60	8.60	5.00	2.70	2.60	3.80	2.20	4.360 +
November -	1.50	7.30	1.30	3.10	2.80	2.80	4.40	1.10	3.40	4.20	3.190
December -	1.50	1.60	4.60	3.70	3.00	2.00	5.10	2.60	5.50	4.10	3.370
TOTALS -	30.90	37.80	42.20	36.80	36.50	29.70	41.90	38.60	44.30	35.80	37.450

C C C C C - C C + C



*Coryium*

60

*hailstonian*  
*Stacy*

*Almond &c.*

*Ch. to R. to - 5.*

YEAR - -	1860	1861	1862	1863	1864						MEANS.
January - -	4.07	2.00									
February - -	4.73	4.69									
March - - -	3.83	6.58									
April - - -	1.21										
May - - - -	2.22										
June - - - -	5.09			##							
July - - - -	2.09										
August - - -	4.00										
September -	1.57										
October - - -	5.60										
November -	2.86										
December -	3.69										
TOTALS -	40.96										

*081 11-27*



Harlow

w<sup>r</sup> Colindale

Mileston.

A Ramsay Esq<sup>r</sup>

00

807

+ ground level

+ Sea level 770 feet 61

Mund + c - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.30	1.50	4.30	6.00	2.10	4.10	4.50	4.60	5.60	3.40	4.240
February - -	2.30	2.90	1.70	2.30	2.90	1.50	5.00	2.70	3.90	4.30	2.950
March - - -	3.00	4.10	3.80	1.20	4.70	1.40	2.50	2.00	3.50	1.30	2.750
April - - - -	.80	2.50	2.30	2.70	1.40	.40	2.70	3.70	4.50	1.50	2.250
May - - - - -	1.40	1.00	3.40	2.30	2.10	5.00	2.00	3.20	1.90	2.90	2.520
June - - - - -	4.50	3.10	3.60	4.20	1.80	.60	1.30	2.20	.80	2.30	2.440
July - - - - -	2.00	4.50	4.30	.60	2.20	4.10	4.40	5.80	.30	1.20	2.940
August - - -	4.00	4.50	4.90	4.30	.90	3.70	3.80	2.40	5.00	1.50	3.500
September -	1.10	5.50	1.60	4.20	3.60	.80	3.20	2.50	4.30	5.40	3.220
October - - -	4.50	2.20	6.10	3.10	10.20	7.00	1.40	2.90	3.40	2.00	4.280
November -	3.70	6.60	1.70	2.40	3.50	3.40	3.60	.60	2.70	2.40	3.060
December -	4.50	1.90	4.10	3.30	3.00	2.90	4.70	2.10	5.30	3.10	3.490
TOTALS -	38.10	40.30	41.80	36.60	38.40	34.90	39.10	34.70	41.20	31.30	37.640

✓ c ✓ c ✓ c ✓ c ✓ c ✓ c



# RAINFALL AT *Kirknewton Manor*

60

*Edinburgh*

Observer... *W. Smith Esq.*.....

Rain { By.....

Gauge { Diameter.....in.

Height above Ground,.....ft...*10*...in.

Above Mean Sea Level...*532*...ft.

*Almond & C - 5.*

YEAR.....				<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January.....				<i>4.60</i>	<i>1.78</i>	<i>1.90</i>	<i>3.31</i>	<i>3.40</i>	<i>4.15</i>	<i>3.35</i>	
February .....				<i>1.73</i>	<i>1.92</i>	<i>1.23</i>	<i>3.60</i>	<i>2.25</i>	<i>2.90</i>	<i>3.70</i>	
March .....				<i>.90</i>	<i>2.70</i>	<i>1.15</i>	<i>2.10</i>	<i>1.93</i>	<i>2.45</i>	<i>.78</i>	
April.....				<i>2.10</i>	<i>1.10</i>	<i>.6</i>	<i>1.80</i>	<i>3.20</i>	<i>3.50</i>	<i>1.00</i>	
May .....				<i>1.90</i>	<i>1.75</i>	<i>4.62</i>	<i>1.45</i>	<i>3.35</i>	<i>2.10</i>	<i>2.65</i>	
June.....				<i>3.70</i>	<i>1.70</i>	<i>.60</i>	<i>1.50</i>	<i>2.40</i>	<i>1.00</i>	<i>1.85</i>	
July .....				<i>1.00</i>	<i>2.10</i>	<i>3.40</i>	<i>4.40</i>	<i>6.85</i>	<i>.35</i>	<i>1.07</i>	
August.....				<i>3.63</i>	<i>.80</i>	<i>4.05</i>	<i>3.10</i>	<i>2.65</i>	<i>5.15</i>	<i>1.30</i>	
September.....				<i>3.75</i>	<i>2.80</i>	<i>.75</i>	<i>3.60</i>	<i>2.00</i>	<i>3.95</i>	<i>4.45</i>	
October .....				<i>2.70</i>	<i>9.85</i>	<i>6.45</i>	<i>1.50</i>	<i>2.20</i>	<i>2.40</i>	<i>1.80</i>	
November.....				<i>2.10</i>	<i>2.70</i>	<i>2.60</i>	<i>3.80</i>	<i>.40</i>	<i>1.85</i>	<i>1.80</i>	
December.....				<i>2.23</i>	<i>2.15</i>	<i>2.00</i>	<i>2.70</i>	<i>1.55</i>	<i>5.25</i>	<i>2.60</i>	
TOTALS .....				<i>30.34</i>	<i>31.35</i>	<i>29.55</i>	<i>32.86</i>	<i>32.18</i>	<i>35.05</i>	<i>26.35</i>	

*C 3 C C C C C C*



## Clubbiedean

Middleton.

Alca<sup>r</sup>. Ramsay

+ Ground 0 0 + S.L. 760

Almond + c - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.30	2.10	4.10	6.40	2.20	4.30	4.60	6.50	5.50	3.30	4.530
February - -	2.70	3.00	1.70	2.50	2.90	2.00	5.00	2.50	4.70	4.60	3.160
March - - -	3.50	4.20	4.50	1.30	5.30	1.10	3.00	3.20	3.10	1.40	3.060
April - - - -	.80	2.30	2.10	2.90	1.40	.20	2.50	3.60	4.30	1.50	2.160
May - - - -	1.40	.90	3.40	2.30	2.30	5.50	1.50	3.60	1.70	2.70	2.530
June - - - -	4.80	2.90	3.60	4.40	1.50	.40	1.20	1.70	.80	2.10	2.340
July - - - -	1.90	5.60	4.20	.30	2.10	3.70	5.10	7.50	.00	1.40	3.180
August - - -	2.90	4.20	4.60	4.50	.70	3.90	3.70	1.90	5.00	1.20	3.260
September -	1.10	5.60	1.60	4.10	3.80	.80	3.60	2.60	4.00	5.20	3.240
October - -	4.40	2.30	6.10	3.00	10.30	7.00	1.30	2.70	3.10	2.10	4.230
November -	3.70	6.00	2.00	2.20	3.30	3.50	3.70	.60	3.00	2.50	3.050
December -	4.30	1.70	4.10	3.90	2.50	2.90	4.40	2.00	5.10	3.00	3.390
TOTALS -	37.80	40.80	42.00	37.80	38.30	35.30	39.60	38.40	40.30	31.00	38.130

1864 August returned as .07 but the gauge only  
reads to tenths and .70 is correct - 48



Swanston

midstian.

Alex. Ramsay

+ Ground 0.0 + S.L. 555

Almond + C - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					1.80	2.80	4.25		5.80	2.85	
February - -					2.80	1.58	5.00		3.95	3.90	
March - - -					4.00	1.10	2.40		2.95	.95	
April - - -					1.32	.30	2.70		4.50	1.40	
May - - - -					2.14	5.32	1.50		1.62	2.60	
June - - - -					1.50	.50	1.25		.90	2.20	
July - - - -					2.20	3.50	5.40		.42	1.17	
August - - -					.70	4.00	3.50		5.63	1.20	
September -					3.50	.70	3.00		4.35	5.05	
October - -					11.40	5.70	1.40		2.70	2.10	
November -					2.75	3.10	3.00		2.58	2.05	
December -					2.90	2.10	3.60		4.85	2.80	
TOTALS -					37.01	30.70	37.00		39.65	28.27	

✓ C C C C C

Monthly



Fermie Land

5 m SW of Edinburgh

Jas Leslie 66

at foot of the Pentlands

2.11.28

+ Ground 4 in

+ Sea Level 500 ft

Almond + c - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.50	1.20	4.00	5.70	1.80	3.40	4.60	6.10	5.90	3.00	
February - -	2.30	2.25	1.60	2.00	2.60	2.10	4.70	2.60	3.80	3.80	
March - - -	2.70	3.70	4.20	1.00	4.10	1.30	2.50	3.60	2.80	1.40	
April - - -	.60	2.10	2.10	2.70	1.40	.20	2.20	3.50	4.40	1.40	
May - - - -	1.25		3.20	2.10	2.00	5.20	1.80	3.80	1.90	2.50	
June - - - -	4.05		3.60	3.80	1.70	.50	1.20	2.00	1.10	2.10	
July - - - -	1.45		3.60	.40	1.90	3.30	4.90	7.20	.30	1.00	
August - - -	2.60		4.15	3.80	.80	3.80	3.20	2.10	4.70	1.10	
September -	1.00		1.60	3.20	3.60	.70	3.20	2.40	4.10	4.80	
October - - -	3.80		5.50	3.10	9.80	5.70	1.60	2.30	2.20	2.00	
November - -	3.20		2.10	2.00	2.70	3.10	3.10	.60	2.80	2.00	
December - -	4.30		4.20	5.60	1.90	2.60	3.60	1.80	4.80	2.50	
TOTALS -	32.75		39.85	35.40	34.30	31.80	36.60	38.00	38.80	27.60	

1863 gauge stands on an open lawn a small one  
standing beside it gives 35.60 instead of 35.40



March Hall  
Edinburgh  
A. K. Johnstone

+ Ground 4 in + Sea level 270 ft

Almond &c - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			3.40	5.30	1.00	1.30	3.20	2.50	3.90	2.40	
February - -			2.30	1.80	2.40	1.00	3.40	1.50	2.80	2.80	
March - - -		*	2.70	.50	2.50	1.30	2.40	.90	2.20	1.40	
April - - -		1.30	1.80	2.40	1.20	.90	1.50	2.90	2.60	1.60	
May - - -		1.70	3.10	1.20	1.30	1.90	1.40	3.40	1.60	1.60	
June - - -		3.30	2.00	2.90	1.70	1.80	.80	2.40	.30	2.10	
July - - -		2.90	1.90	.50	1.60	2.50	2.90	5.20	.20	.90	
August - -		2.40	2.40	3.30	1.10	2.50	4.10	2.10	5.40	1.20	
September -		2.70	2.40	3.30	2.40	1.10	2.22	1.80	4.70	5.90	
October - -		1.70	2.60	2.40	6.10	2.50	1.20	1.80	2.60	2.70	
November -		3.90	1.60	1.90	1.00	1.60	2.20	.70	1.70	1.60	
December -		1.65	2.60	2.40	1.80	1.70	2.76	1.30	3.80	1.70	
TOTALS -			28.80	27.90	24.10	20.10	28.08	26.50	31.80	25.90	

C C C C C C C C

62 Bunchon



Rainfall at Meadowfield

60

Coorstonphum

Mialsthan.

Arch Paterson

Before June 1865, g. on pole on Yew tree 9 ft above ground  
June 1865 to g. on roof of greenhouse

Diameter of Gauge, 2 in.  
Adie, & Edinb.

Height above Ground, 9 ft. .... in.

Above Mean Sea Level, 155 ft.

Almond to - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				3.70	1.42	1.81	2.37	2.53	3.29	2.87	
February - -				1.04	1.63	.67	2.74	2.09	2.40	2.38	
March - - -				.45	2.62	.94	1.56	.76	1.55	.85	
April - - -				2.90	1.10	.23	1.08	2.32	3.21	.80	
May - - - -				1.49	1.65	3.04	1.16	2.82	1.40	1.82	
June - - - -				3.47	.64	.39	1.13	2.09	.69	1.32	
July - - - -				.21	2.52	3.28	4.09	4.86	.12	.77	
August - - -				3.33	.72	3.59	2.61	1.61	3.76	.41	
September -				3.11	3.23	.60	2.30	1.57	2.79	3.95	
October - -				1.30	6.42	4.01	1.07	1.28	1.45	1.40	
November -				.88	1.67	1.89	2.45	1.05	1.37	1.15	
December -				2.03	1.55	1.40	2.32		4.32	1.30	
TOTALS -	24.28	27.17	30.62	23.91	25.17	21.85	24.88	22.98	26.35	19.02	24.623

e e C C C C C C C C C e



Edinburgh

B O'Grady

Mss Pet No 52

Beam 1 foot + ground 79 feet  
Almond + C - 5.

Above Sea Level 386 feet

YEAR - -	1860	1861	1862	1863	1864						MEANS.
January - -	1.77	.31									
February - -	.79	.79									
March - - -	.66	1.02									
April - - -	.40	.92									
May - - - -	1.09	.02									
June - - - -	2.45	1.60									
July - - - -	.97	2.51									
August - - -	1.65	3.07									
September -	.34	4.26									
October - - -	1.49	1.27									
November - -	1.53	2.38									
December - -	1.25	.67									
TOTALS -	14.39	18.82									

✓  
✓  
✓



RAINFALL AT Edinburgh Castle

Mission.

Sergeant Hemming A Hospital

Rain { By .....

Gauge { Diameter...8...in.

Height above Ground, .1... ft. .... in.

Above Mean Sea Level, ...526... ft.

Almond + C - 5.

YEAR.....							1866	1867	1868	1869	MEANS.
January .....							1.73				
February .....							1.52				
March .....							.93				
April .....							1.72				
May .....							1.44				
June.....							1.42				
July .....							3.73				
August.....							2.40				
September ...							3.14				
October.....							1.15				
November.....							2.56				
December.....							2.09				
TOTALS .....							23.83				

C



RAINFALL AT Edinburgh Castle

Rain { By .....  
Gauge { Diameter 8 ..... in.

4 in 65

420? 65

Height above Ground, 1 ft. .... in. Above Mean Sea Level, 403 ft.

Almond TC-5.

YEAR .....						1865	1866	1867	1868	1869	MEANS.
January .....						2.25	1.93	1.60			
February .....						.31	1.82	1.66			
March .....						.05	1.06	.90			
April .....						.25	1.88	2.84			
May .....						3.75	1.64	3.84			
June .....						.27	1.73	3.08			
July .....						3.14	4.10	6.49			
August .....						3.46	2.69	2.03			
September ...						.33	3.46	2.50			
October .....						3.82	1.32	1.65			
November ...						2.04	2.89	.27			
December .....						1.13	2.20	1.45			
TOTALS .....						20.80	26.72	28.31			

C C



Edinburgh (Princes Gardens)

Adie & Son

die  $7\frac{3}{4}$  + Ground 7 ft 6 in + Sea Level 200 ft 6 in  
 10 64 208 665 628 61  
 1860 - 5.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.63	.31	2.64	2.70	.61	1.90	1.42	.90	2.58		
February - -		.21	.98	1.05	.74	.00	3.28	1.16	1.87		
March - - -		2.10	2.70	.50	3.06	.00	.79	.60	1.50		
April - - - -	.40	1.65	1.80	1.92	1.10	.25	1.27	1.10	2.04		
May - - - -	2.16	.55	2.32	1.37	1.17	3.51	2.22	1.19	1.59		
June - - - -	3.53	2.73	2.53	3.65	1.23	.39	1.03	.84	.41		
July - - - -	1.13	3.09	2.34	.24	1.79	2.82	3.43	5.02	.92		
August - - -	2.27	3.42	3.02	3.35	.81	3.10	1.30	1.60	4.29		
September -	.76	4.30	1.98	2.92	3.27	.52	2.50	2.06	3.15		
October - -	2.65	1.54	3.31	1.19	6.44	3.57	3.64	1.40	1.39		
November -	2.68	4.31	1.23	1.07	1.61	1.81	2.38	.20	1.36		
December -	1.90	.67	2.73	1.89	1.08	1.44	2.25	-	2.61		
TOTALS -		24.88	27.58	21.93	22.91	21.07	25.52		23.71		

24.19

+ 1867 dec: lost - and larger leaky most part of year



# Edinburgh Charlotte Square House

60

70 66

65 = 65

300 - 65.6

Lin 11.28  
Almond + c - 5.

+ Ground 80 ft.

+ Sea level 275 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.30	.33	2.70	} 2.72	.79	1.15	1.65	1.93	1.70	1.75	
February - -	.75	.95	.30		1.30	.70	2.00	1.20	1.42	1.75	
March - - -	.75	1.40	2.40	.42	1.80	.28	1.00	.40	1.53	.25	
April - - -	.30	1.10	.90	1.60	.80	.15	.75	2.00	2.38	.60	
May - - - -	1.30	.45	3.05	1.22	1.75	2.70	1.10	2.90	1.40	1.32	
June - - - -	2.60	2.25	2.14	2.90	.90	.37	.90	2.30	.20	1.20	
July - - - -	.92	3.47	1.90	.48	1.80	2.80	2.80	4.80	.10	.40	
August - - -	1.90	2.81	3.08	2.90	.60	2.80	2.05	1.97	3.60	.45	
September -			1.73	2.30	2.80	.40	2.30	1.15	2.35	3.35	
October - - -	1.25		} 4.12	1.68	5.00	2.90	.90	.85	1.26	1.15	
November - -	2.35			1.37	1.20	2.05	2.00	.20	1.59	.95	
December - -	2.20		1.80	1.63	.95	.75	1.30	1.10	.80	.69	
TOTALS -			24.12	19.22	19.69	17.05	18.75	20.80	17.33		

0-1 11-20

On the Area of a pyramidal roof





RAINFALL AT *Edinburgh Charlotte Square*

Observer.....*J Leslie Esq 66*.....*Green*

Rain { By.....

Gauge { Diameter.....*11.28*.....in.

Height above Ground,.....ft..*4*.....in.

Above Mean Sea Level.....*195*.....ft.

*Almond rc - 5.*

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	<i>3.97</i>	<i>.78</i>	<i>3.83</i>	<i>{ 3.00 4.66 1.66 }</i>	<i>1.25</i>	<i>2.29</i>	<i>2.49</i>	<i>5.62</i>	<i>3.61</i>	<i>2.84</i>	
February .....	<i>1.60</i>	<i>1.47</i>	<i>.90</i>		<i>2.14</i>	<i>1.70</i>	<i>3.50</i>	<i>1.60</i>	<i>2.00</i>	<i>2.67</i>	
March .....	<i>1.74</i>	<i>2.31</i>	<i>4.64</i>	<i>.74</i>	<i>3.10</i>	<i>.99</i>	<i>1.85</i>	<i>1.17</i>	<i>1.95</i>	<i>.79</i>	
April.....	<i>.56</i>	<i>1.46</i>	<i>1.32</i>	<i>2.03</i>	<i>1.16</i>	<i>.30</i>	<i>1.37</i>	<i>2.71</i>	<i>3.28</i>	<i>1.01</i>	
May .....	<i>1.80</i>	<i>.73</i>	<i>3.71</i>	<i>1.62</i>	<i>2.13</i>	<i>3.65</i>	<i>1.50</i>	<i>3.71</i>	<i>1.81</i>	<i>2.64</i>	
June.....	<i>3.58</i>	<i>2.70</i>	<i>2.80</i>	<i>3.50</i>	<i>1.20</i>	<i>.41</i>	<i>1.27</i>	<i>2.80</i>	<i>.48</i>	<i>1.74</i>	
July .....	<i>1.21</i>	<i>2.75</i>	<i>2.70</i>	<i>.65</i>	<i>2.15</i>	<i>3.20</i>	<i>3.34</i>	<i>5.60</i>	<i>.34</i>	<i>.73</i>	
August.....	<i>2.45</i>	<i>3.65</i>	<i>3.70</i>	<i>3.47</i>	<i>.80</i>	<i>3.41</i>	<i>2.73</i>	<i>2.64</i>	<i>4.30</i>	<i>.76</i>	
September.....	<i>(.80) lost</i>	<i>(4.30)</i>	<i>2.10</i>	<i>2.65</i>	<i>3.40</i>	<i>.55</i>	<i>2.45</i>	<i>1.53</i>	<i>3.27</i>	<i>4.33</i>	
October .....	<i>2.85</i>	<i>(1.50)</i>	<i>{ 3.00 5.42 5.6/12 1.42 }</i>	<i>2.19</i>	<i>6.90</i>	<i>3.96</i>	<i>1.23</i>	<i>1.50</i>	<i>2.13</i>	<i>1.48</i>	
November.....	<i>2.80</i>	<i>(4.30)</i>		<i>1.91</i>	<i>1.79</i>	<i>1.60</i>	<i>2.71</i>	<i>.74</i>	<i>1.45</i>	<i>1.42</i>	
December.....	<i>(2.65) 7.65</i>	<i>(.70)</i>	<i>2.80</i>	<i>2.22</i>	<i>2.07</i>	<i>1.59</i>	<i>2.29</i>	<i>1.26</i>	<i>3.87</i>	<i>1.82</i>	
TOTALS .....	<i>(26.09)</i>	<i>(26.62)</i>	<i>33.92</i>	<i>25.64</i>	<i>38.09</i>	<i>23.65</i>	<i>26.73</i>	<i>31.04</i>	<i>28.57</i>	<i>22.23</i>	

*1860 dec. much snow*



# RAINFALL AT *Linlithgow Rockville* *Linlithgow*

Observer *Mrs Adie*

Rain { By *Adie*  
Gauge { *Side Tube*  
Diameter *1 1/2* in.

Height above Ground, *5* ft. *10* in.

Above Mean Sea Level *260* ft.

*Form, R. bank - 2.*

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	3.75	1.34	4.33	4.34	1.68	1.95	3.71				
February.....	1.85	2.30	.95	1.18	2.55	.45					
March.....	2.31	4.06		1.24	5.22	.75		1.08			
April.....	.33	.91	2.25	2.21	1.33	.63	.76	2.65	3.26	.91	
May.....	1.49	.62	3.66	1.71	1.74	3.02	1.22	3.16	2.18	1.44	
June.....	4.57	2.49	2.88	2.64	1.68	.40	1.74	2.23	.77	1.68	
July.....	2.40	4.03	3.20	.35	2.12	3.19	3.04	4.43	.26	1.18	
August.....	2.59	5.07	4.22	2.79	.99	3.90	3.80	3.22	4.53	.85	
September.....	.86	4.57	2.28	3.14	2.94	.77	3.59	2.63	2.65	3.80	
October.....	3.86	2.57	4.58	3.11	5.68	4.70	2.45	2.36	2.59	1.70	
November.....	3.42	4.44	1.60	2.25	2.01	2.41	2.50	.64	2.07	1.90	
December.....	2.91	1.22	3.45	2.91	2.11	1.90	3.38	1.28	3.17	2.44	
TOTALS .....	30.34	33.62		27.87	30.05	24.07					

*In the months for which no value is entered the gauge was left open for fear of damage by frost.*



RAINFALL AT *Linlithgow Rockville*  
*Linlithgow*

Observer *Mrs Adie*

Rain { By.....  
Gauge { .....  
Diameter.....*3*.....in. Height above Ground,.....ft.....*5*.....in. Above Mean Sea Level..*260*..ft.

*Fork, R. bank - 2.*

YEAR.....			1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....		<i>#</i>	<i>6.30</i>	<i>5.40</i>	<i>2.05</i>	<i>2.30</i>	<i>4.40</i>	<i>3.10</i>	<i>5.70</i>	<i>2.60</i>	
February.....				<i>1.90</i>	<i>3.00</i>	<i>1.83</i>	<i>5.05</i>	<i>.31</i>	<i>4.10</i>	<i>4.50</i>	
March.....		<i>}</i>	<i>5.10</i>	<i>1.10</i>	<i>5.30</i>	<i>1.00</i>	<i>2.00</i>	<i>1.75</i>	<i>3.00</i>	<i>1.60</i>	
April.....			<i>2.43</i>	<i>2.20</i>	<i>1.50</i>	<i>.55</i>	<i>1.03</i>	<i>2.85</i>	<i>3.70</i>	<i>1.45</i>	
May.....			<i>3.27</i>	<i>1.85</i>	<i>1.80</i>	<i>2.95</i>	<i>1.00</i>	<i>2.60</i>	<i>2.20</i>	<i>.90</i>	
June.....			<i>2.70</i>	<i>2.60</i>	<i>1.50</i>	<i>.30</i>	<i>2.20</i>	<i>}</i> <i>6.50</i>	<i>.50</i>	<i>1.00</i>	
July.....			<i>2.90</i>	<i>.10</i>	<i>2.00</i>	<i>3.10</i>	<i>3.25</i>		<i>.26</i>	<i>.90</i>	
August.....			<i>4.60</i>	<i>2.90</i>	<i>1.85</i>	<i>4.10</i>	<i>4.00</i>	<i>3.45</i>	<i>4.10</i>	<i>}</i> <i>4.80</i>	
September.....			<i>2.50</i>	<i>3.25</i>	<i>3.10</i>	<i>.70</i>	<i>3.80</i>	<i>2.00</i>	<i>3.00</i>		
October.....			<i>5.70</i>	<i>3.40</i>	<i>6.18</i>	<i>4.90</i>	<i>}</i> <i>5.05</i>	<i>2.45</i>	<i>2.30</i>	<i>1.25</i>	
November.....			<i>1.60</i>	<i>}</i> <i>6.20</i>	<i>2.15</i>	<i>2.50</i>		<i>.90</i>	<i>2.10</i>	<i>}</i> <i>5.30</i>	
December.....			<i>4.00</i>		<i>2.85</i>	<i>2.10</i>	<i>3.20</i>	<i>1.70</i>	<i>4.50</i>		
TOTALS .....			<i>41.10</i>	<i>30.90</i>	<i>33.28</i>	<i>26.33</i>	<i>34.98</i>	<i>27.61</i>	<i>35.46</i>	<i>24.30</i>	

*In unsheltered position a few feet from other gauge.*



RAINFALL AT *Boness Gauge*  
*Linlithgow*

Observer *H.M. Cadell Esq.*

Rain { By.....  
Gauge { *Float*  
Diameter.....*3*.....in.

Height above Ground,.....*1*ft.....in.

Above Mean Sea Level...*20*...ft.

*Fork, R. bank - 2.*

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	3.50	1.10	4.10	5.00	1.50	1.70	3.00	2.70	3.90	4.00	3.050
February.....	2.00	2.60	.90	1.60	2.70	1.70	3.90	2.80	5.20	4.20	2.760
March.....	2.15	3.40	4.50	1.10	3.40	.80	1.80	.80	2.90	.60	2.140
April.....	.50	.70	2.10	2.30	1.30	.60	.90	3.00	3.10	.30	1.480
May.....	.80	.30	2.80	1.80	1.30	2.30	1.10	3.20	2.90	1.00	1.750
June.....	7.00	2.40	3.10	2.70	2.30	1.00	.80	1.80	.60	1.60	2.330
July.....	4.80	4.00	3.20	.60	1.60	2.60	3.20	3.70	.40	.80	2.490
August.....	3.70	4.60	3.10	2.90	.90	3.50	3.80	2.00	3.90	.50	2.890
September.....	2.40	4.20	2.50	2.80	3.30	.40	2.90	2.30	2.30	4.00	2.710
October.....	3.00	2.75	5.45	3.20	3.00	4.30	1.70	2.50	2.60	2.00	3.040
November.....	3.40	4.00	1.50	2.00	1.50	2.60	2.80	.70	1.30	1.90	2.170
December.....	2.60	1.30	2.90	2.40	2.40	2.20	4.00	1.50	4.50	3.20	2.700
TOTALS.....	35.85	31.35	36.15	28.40	25.20	23.70	29.90	27.00	33.60	24.10	29.510

*From 20 year form*



RAINFALL AT Lanark

Captain G J Thornton

Rain { By Leesellor  
Gauge { Diameter 5 in.Height above Ground, 1 ft. .... in.Above Mean Sea Level, 505 ft.

Clyde, R. bank - 4.

YEAR .....	1866	1867	1868	1869	MEANS.
January .....	6.08	2.62	4.24	3.40	
February .....	3.93	2.24	3.84	4.84	
March .....	1.64	1.36	4.15	.94	
April .....	1.64	2.87	4.30	1.10	
May .....	1.42	1.77	2.67	1.43	
June .....	1.64	2.78	1.02	1.85	
July .....	2.98	5.22	.34	1.23	
August .....	3.15	2.25	3.58	1.39	
September ...	4.05	2.96	2.58	4.68	
October .....	2.19	3.47	4.04	1.78	
November ...	3.00	.71	2.71	4.09	
December .....	<sup>*</sup> 4.60	2.04	5.66	4.44	
TOTALS .....	<sup>*</sup> 36.32	30.24	39.13	31.20	

1868  $\frac{1}{2}$  in garden sloping down towards E by S. about 1 in 10 or 111866 Height + S L given as 350 ft to 15<sup>th</sup> of May  
and 500 from that time to the end of the year

\*

Record copied from original returns X.33. The record appears in BR 1866.







RAINFALL AT *Carnwath* *Lanarkshire*

Observer.....

Rain { By.....  
Gauge { .....

Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Level. *722* ft.

*Clyde, R. bank - 14.*

YEAR.....									1868	1869	MEANS.
January.....									4.98	3.53	
February .....									4.30	4.82	
March .....									3.88	1.08	
April.....									3.72	1.02	
May .....									2.75	1.18	
June.....									.72	2.02	
July .....									.48	0.71	
August.....									3.80	1.21	
September.....									2.52	3.82	
October .....									3.45	1.73	
November.....									2.69	4.50	
December .....									4.47	4.44	
TOTALS .....									37.84	30.06	

*C C*



RAINFALL AT *Wilsontown*

*Jas. Mundell*

*Lanarkshire*

Rain } By .....  
Gauge } Diameter.....in.

Height above Ground, ..... ft. *10.* in.

Above Mean Sea Level, ...*9.00*<sup>?</sup> ft.

*Clyde, Rbank - 14.*

YEAR .....								<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January .....								<i>3.46</i>			
February .....								<i>3.27</i>			
March .....								<i>1.43</i>			
April .....								<i>4.29</i>			
May .....								<i>2.54</i>			
June .....								<i>2.92</i>			
July .....								<i>5.56</i>			
August .....								<i>3.87</i>			
September ...								<i>3.15</i>			
October .....								<i>2.84</i>			
November ...								<i>1.29</i>			
December .....								<i>2.39</i>			
TOTALS .....								<i>37.21</i>			



29th W. A. 60

Rainfall at *Wetherwell Murston Castle*

*M. Armon*

*Lanark.*

Diameter of Gauge, *10* in. Height above Ground, *4* ft. in. Above Mean Sea Level, *550* ft.  
*Sunk flood g Clyde, R. bank - 4.*

YEAR - -	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	<i>1.75</i>	<i>4.30</i>	<i>5.08</i>	<i>1.90</i>	<i>2.00</i>	<i>5.10</i>	<i>.75</i>	<i>5.22</i>	<i>3.30</i>	
February - -	<i>1.80</i>	<i>.08</i>	<i>1.48</i>	<i>1.50</i>	<i>1.70</i>	<i>3.80</i>	<i>2.10</i>	<i>3.72</i>	<i>3.90</i>	
March - - -	<i>3.28</i>	<i>3.30</i>	<i>1.22</i>	<i>2.30</i>	<i>.90</i>	<i>1.80</i>	<i>1.22</i>	<i>3.00</i>	<i>4.34</i>	
April - - -	<i>.60</i>	<i>2.60</i>	<i>2.72</i>	<i>1.40</i>	<i>.40</i>	<i>1.10</i>	<i>3.90</i>	<i>2.80</i>	<i>1.20</i>	
May - - - -	<i>.72</i>	<i>5.00</i>	<i>2.10</i>	<i>2.00</i>	<i>.60</i>	<i>1.40</i>	<i>4.60</i>	<i>1.10</i>	<i>1.40</i>	
June - - - -	<i>2.41</i>	<i>3.20</i>	<i>2.50</i>	<i>2.00</i>	<i>2.60</i>	<i>1.80</i>	<i>3.20</i>	<i>.81</i>	<i>3.96</i>	
July - - - -	<i>4.07</i>	<i>5.30</i>	<i>.62</i>	<i>2.60</i>	<i>3.60</i>	<i>4.30</i>	<i>3.92</i>	<i>.21</i>	<i>2.10</i>	
August - - -	<i>3.71</i>	<i>2.16</i>	<i>3.32</i>	<i>1.20</i>	<i>4.20</i>	<i>3.20</i>	<i>3.03</i>	<i>3.60</i>	<i>.90</i>	
September -	<i>4.96</i>	<i>4.12</i>	<i>3.25</i>	<i>4.00</i>	<i>.80</i>	<i>4.00</i>	<i>2.80</i>	<i>.62</i>	<i>4.10</i>	
October - - -	<i>4.12</i>	<i>2.60</i>	<i>3.75</i>	<i>5.40</i>	<i>3.14</i>	<i>1.90</i>	<i>3.10</i>	<i>3.00</i>	<i>1.24</i>	
November -	<i>4.50</i>	<i>2.00</i>	<i>2.83</i>	<i>2.10</i>	<i>3.26</i>	<i>2.30</i>	<i>1.70</i>	<i>2.10</i>	<i>3.21</i>	
December -	<i>1.65</i>	<i>5.10</i>	<i>3.10</i>	<i>2.20</i>	<i>2.00</i>	<i>3.90</i>	<i>1.80</i>	<i>3.68</i>	<i>3.20</i>	
TOTALS -	<i>33.57</i>	<i>39.76</i>	<i>31.97</i>	<i>28.60</i>	<i>25.20</i>	<i>34.60</i>	<i>32.12</i>	<i>29.86</i>	<i>32.85</i>	

*1865 - 25.20 is correct W. A. (Returned as 25.30 in error)*



Bothwell Castle  
Lanark

Andrew Turnbull

146 69

250 62

65 = 146 618

Die 10 in + Ground 18 feet  
Clyde, R. bank - 14.

+ Sea Level 147 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.67	1.53	4.15	5.13	1.95	1.60	4.84	1.71	5.50	2.85	3.293 +
February - -	2.14	2.52	1.10	2.02	2.17	1.09	3.80	2.80	3.81	3.84	2.529
March - - -	2.44	4.17	3.47	.80	3.42	1.28	1.18	.87	3.09	.52	2.124
April - - -	.90	.55	2.62	2.62	1.51	.56	1.54	2.83	2.72	.96	1.681 -
May - - - -	1.72	.60	4.23	2.07	1.30	3.33	1.34	1.87	2.00	.77	1.923
June - - - -	3.00	2.49	3.05	2.66	1.50	.40	1.86	1.57	.62	2.39	1.954
July - - - -	2.24	3.81	2.71	.66	2.70	2.30	3.59	4.84	.02	1.20	2.407
August - - -	2.12	2.11	3.09	2.42	1.03	4.30	3.14	2.56	3.15	.91	2.483
September -	.56	1.25	2.37	2.87	3.59	.70	4.13	2.66	1.57	4.02	2.372
October - - -	3.80	.86	6.33	3.25	2.87	3.65	1.57	3.30	3.34	1.12	3.009
November - -	1.41	3.65	2.10	2.18	2.04	2.25	2.89	.77	2.30	2.59	2.218
December - -	2.02	1.90	3.74	3.64	1.48	2.24	3.97	1.88	4.90	3.15	2.892
TOTALS -	26.02	25.44	38.96	30.32	25.56	23.70	33.85	27.66	33.02	24.32	28.885

✓ e + c c c - c c c c  
Taken daily at 9 p.m.

1868 though this is likely to be looked back to as a dry year by many, we have had a fall of 4.172 in more than the average of last 24 y<sup>r</sup>.

Hyd. Sta. No. 71- 656505

NGR: NS (26) 691594

alt. 44m



Meadow Bank

Uddingstone Glasgow

Lanark.

James Anderson Uddingstone

75 66

I believe a correction 25 in 65

Die 5 in + Ground 13 ft

+ Sea Level 75 ft 62

Clyde, Rbank - H.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			3.00	5.60	2.35	1.30	4.50	2.10	1.40	4.10	
February - -			1.00	2.10	2.42	1.35	1.25	3.10	3.50	3.50	
March - - -			2.80	.50	2.40	1.30	.80	1.20	2.90	.20	
April - - - -			2.50	3.00	2.05	.60	1.30	3.70	1.05	1.50	
May - - - - -			3.95	2.20	1.15	3.20	1.20	1.60	2.85	1.20	
June - - - - -			3.00	.50	1.68	.30	1.60	1.20	2.10	2.50	
July - - - - -			3.40	1.10	2.50	2.10	2.50	3.00	.05	1.20	
August - - -			5.80	2.70	.94	4.70	3.10	3.80	1.05	.80	
September -			1.60	2.50	2.16	.20	4.10	2.60	1.10	4.40	
October - - -			5.40	3.60	2.54	3.70	1.20	2.60	3.90	1.80	
November - -			1.90	1.40	1.80	2.30	3.00	1.30	2.10	2.60	
December - -			3.75	3.80	2.45	2.20	4.00	2.20	3.20	2.55	
TOTALS -			38.10	29.00	24.44	23.25	28.53	28.40	25.20	26.35	

✓ C C C C C C C C



Boullieston

S. I.

Lanark.

Mr. Peter Jarvie

My. R. No 72

Schoolmaster

Diam 6 ft + Ground 3 in 67 + Sea Level 230 feet  
Clyde, Bank - 4. in 65

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.	
January - -	4.19	3.24	6.06	7.98	3.32	3.65	6.76	4.18	7.85	4.35	5.158	+
February - -	2.53	3.36	1.91	2.78	3.92	2.95	5.29	3.39	6.88	6.20	3.921	
March - - -	2.84	4.95	4.91	1.76	4.91	1.61	1.61	1.88	5.13	98	3.058	
April - - -	1.36	.84	3.62	4.32	1.99	1.13	1.67	5.31	4.73	1.48	2.645	-
May - - - -	2.27	1.06	5.69	3.85	1.72	5.05	1.81	3.41	3.26	1.54	2.966	
June - - - -	4.23	3.22	5.92	3.63	2.99	.83	2.49	2.72	1.35	2.38	2.976	
July - - - -	1.64	7.30	5.67	.48	4.07	3.50	5.31	5.97	.45	2.09	3.648	
August - - -	3.60	7.55	4.69	4.38	1.33	7.02	4.50	4.46	6.39	1.42	4.534	
September -	1.22	5.07	3.52	4.93	5.63	1.22	6.29	4.23	3.63	7.08	4.282	
October - - -	4.81	4.18	9.32	5.21	5.72	4.18	2.58	4.81	4.79	2.24	4.784	
November - -	1.83	6.31	2.84	3.72	3.31	3.38	4.82	1.55	4.11	5.32	3.719	
December - -	2.48	2.96	6.52	6.28	2.80	3.52	6.19	3.50	6.54	7.02	4.781	
TOTALS -	33.00	50.04	60.67	49.32	41.71	38.04	49.32	45.41	55.11	42.10	46.471	

70 10 10 10 10 10 10 10 10 10 10 10

road



RAINFALL AT Coatbridge

Woodside House

Lanark.

Jas. Baker

Rain { By .....

Gauge { .....

Diameter.....5.....in.

Height above Ground, 1.... ft. 2... in.

Above Mean Sea Level, 225.... ft.

Clyde, Rbank - H.

YEAR .....								1867	1868	1869	MEANS.
January .....								1.66	4.72	2.51	
February .....								3.50	5.94	4.65	
March .....								1.11	3.60	.03	
April .....								3.29	2.91	.81	
May .....								2.42	2.54	.61	
June .....								2.09	1.05	2.37	
July .....								4.62	.33	1.21	
August .....								2.97	4.42	.96	
September ...								3.65	2.65	5.78	
October .....								3.69	4.05	3.77	
November ...								1.00	3.14	3.97	
December .....								3.20	3.85	4.76	
TOTALS .....								33.20	39.20	31.43	

In large garden open & exposed  
 Within a radius of  $1\frac{1}{2}$  miles there are 32 Blast Furnaces.



Rainfall at St Georges Road Glasgow

60

Lanark.

Michael J Bell

R. & Z

Diameter of Gauge, ..... in.

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

Above Mean Sea Level, ..... ft.

Clyde, R. bank - H.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						2.13	6.44	3.45	6.60	4.38	
February - -						2.31	5.21	3.24	5.56	5.89	
March - - -						1.70	1.35	1.00	4.05	0.94	
April - - - -						.80	1.35	4.27	3.33	1.02	
May - - - - -						3.30	1.41	3.16	2.64	1.00	
June - - - - -						.44	1.82	1.80	1.13	2.06	
July - - - - -						1.36	3.54	4.45	.41	2.44	
August - - -						4.68	4.89	3.83	4.28	1.01	
September -						.95	5.21	3.18	2.52	5.28	
October - - -						4.10	2.60	4.35	3.94	1.84	
November -						2.65	4.15	1.22	3.67	4.55	
December -						3.63	6.02	2.61	5.49		
TOTALS -						28.21	43.99	36.64	43.62		

C C C C C



Glasgow

Ord. Survey Office

Lanark.

Major John Bayly R.E.

55° 52' 42" N 4° 17' 11" W

+ Ground 56 ft.  
Clyde, R. bank - 4.

+ Sea level 166 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.42	2.05	3.68								
February - -	2.50	2.27	.94 <sup>#</sup>								
March - - -	2.84	3.90									
April - - -	.80	.39									
May - - - -	1.57	.60									
June - - - -	3.85	2.02									
July - - - -	1.49	3.66									
August - - -	3.34	5.43									
September -	1.01	3.89									
October - -	3.38	3.04									
November -	1.23	3.84									
December -	3.44	2.03									
TOTALS -	28.87	33.20									

C C C



Glasgow Observatory N.W. Suburbs Lanark.  
J. Wood Esq. Prof. Grant

180-69

5 in + Ground <sup>0.1 in 68</sup> 0.0 + Sea Level 200 feet  
Clyde, Rbank - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.60	6.71	5.03	7.58	3.65	4.26	7.61	3.98	6.55	4.52	5.349 +
February - -	2.18	2.67	.76	2.83	3.93	1.79	6.16	3.43	5.79	6.32	3.586
March - - -	4.33	5.56	10.11	1.70	4.09	2.06	1.92	1.61	4.19	.94	3.651
April - - -	1.18	.63	2.76	3.92	2.23	.85	1.49	5.12	3.90	1.48	2.356 -
May - - - -	2.17	1.49	5.00	5.15	1.51	3.51	1.36	3.46	2.93	.99	2.757
June - - - -	5.73	3.16	3.58	3.56	3.37	.64	2.22	2.30	1.51	2.14	2.821
July - - - -	1.83	5.71	4.32	1.25	3.25	2.40	4.00	4.78	.59	2.66	3.079
August - - -	4.47	8.33	4.37	4.04	1.89	5.93	5.45	5.13	4.60	1.03	4.524
September -	1.19	5.23	3.03	4.67	4.20	1.27	5.56	<del>3.73</del> <sup>67</sup>	3.10	6.25	3.825
October - -	4.59	3.42	9.36	4.16	3.17	4.69	3.07	4.65	4.64	1.73	4.348
November -	2.20	5.96	2.46	3.34	3.19	3.43	4.39	1.26	4.10	5.22	3.555
December -	2.29	2.24	6.62	4.48	2.67	4.54	6.01	4.88	6.10	5.79	4.562
TOTALS -	35.76	51.11	57.40	46.68	37.15	35.37	49.24	<del>44.33</del> <sup>44.35</sup>	48.00	39.07	44.413

✓ C ✓ C ✓ C ✓ C ✓ C ✓ C ✓ C ✓ C ✓ C

1862 March 4.33

65 Bachorn

1868 In large open field

1866 March 4.33 erroneously printed in B.A. Report as

Prev. 1.91 + 5.67 in 6. Records are incomplete in P. Grant

1867 Correction sent by Prof Grant Oct. 1880

1866 pencil figures in B.A. Report

Nyd. Sta. 40. 71- 6589<sup>53</sup>

N.R. NS (26) 568690 565673

all. 55m



Hillend House

D Thomson

Lanark.

Die 10 in

Cropleys G + Ground 7 feet

+ Sea Level 620 ft

Clyde, Rbank - H.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.38	2.74	4.30	4.75	2.37	1.55	4.46	1.98	3.98	3.71	3.322
February - -	2.10	2.74	1.45	1.69	2.52	.53	3.16	3.18	4.66	4.75	2.678
March - - -	2.80	3.79	3.08	1.11	3.80	.91	1.33	.91	4.00	.75	2.248
April - - -	1.06	1.05	2.82	2.49	1.21	.64	1.20	3.27	3.17	.72	1.763
May - - - -	2.31	.78	3.33	2.70	1.40	3.04	1.65	2.50	2.45	1.09	2.125
June - - - -	4.02	2.67	2.97	2.72	2.62	.59	1.19	2.70	1.58	2.14	2.320
July - - - -	1.28	3.75	4.80	.55	3.02	2.67	3.93	3.34	.58	1.53	2.545
August - - -	3.27	7.05	3.21	2.77	1.58	4.58	3.74	3.39	4.45	1.54	3.558
September -	1.17	5.22	2.32	2.85	4.24	1.06	4.37	3.35	2.47	5.58	3.263
October - -	5.17	3.61	6.25	3.77	4.92	4.10	1.94	3.08	3.55	2.01	3.840
November -	1.96	4.80	1.85	2.84	2.23	2.61	3.52	.68	2.86	3.83	2.718
December -	1.97	1.75	4.71	3.18	2.19	1.90	4.40	2.65	4.70	3.20	3.065
TOTAL -	30.49	39.95	41.09	31.42	32.10	24.18	34.89	31.03	38.45	30.85	33.445

Hillend Reservoir about 1 m from Auchengray S.W.  
 Dr Rankin gives 4 + G. & 620 + S L



# Newmains Douglas Castle Lanark

John Johnstone

J. Russel

2 in 658.66

783664

Sea 2 + ground 0.0  
Clyde, L. bank - 5.

+ Sea Level 780 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		1.97	6.05	10.69	5.80	6.75	10.56	5.66	7.89	4.25	
February - -		4.89	2.45	5.35	4.42	3.82	5.91	4.57	6.13	6.65	
March - - -		7.94	11.41	2.75	6.75	2.06	2.40	2.46	5.92	.51	
April - - -		1.16	5.39	5.21	2.05	.56	1.79	4.65	4.89	1.76	
May - - - - #		1.68	4.66	4.90	1.69	5.37	1.31	2.02	3.26	1.45	
June - - - -		3.20	4.97	4.90	3.95	.37	2.42	2.02	1.06	1.40	
July - - - -		6.42	3.97	1.95	2.97	3.30	3.59	5.16	.46	.99	
August - - -		7.13	5.12	5.25	1.20	4.30	3.00	2.14	5.26	1.27	
September -		7.32	2.25	5.75	2.42	.44	4.46	4.45	2.82	5.39	
October - -		4.23	11.36	6.27	4.83	2.58	3.11	3.91	5.75	1.06	
November -		10.25	4.35	4.97	5.02	3.13	5.21	.95	3.73	7.67	
December -		4.90	8.94	7.01	3.78	3.74	7.02	3.88	7.81	6.65	
TOTALS -		61.09	70.92	65.00	44.88	36.42	50.78	41.87	54.98	39.05	



RAINFALL AT StockbridgeLismahago Sanmarkshire

Observer.....

Rain { By.....

Gauge { Diameter.....in.

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

Above Mean Sea Level.....ft.

Clyde, L. bank - 5.

YEAR.....										1869	MEANS.
January.....										6.35	
February.....										9.70	
March.....										3.08	
April.....										2.61	
May.....										1.74	
June.....										2.70	
July.....										2.16	
August.....										2.30	
September.....										8.30	
October.....										2.51	
November.....										9.23	
December.....										7.92	
TOTALS.....										58.60	

C



# RAINFALL AT *Hamilton Townhill Tanks* *Lanark*

Observer

*R. Watson*

Rain

By

Gauge

Diameter

7 in.

Height above Ground, ft. 9 in.

Above Mean Sea Level 43 ft.

*Clyde, L. bank - 5'*

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	7.65	4.30	4.60	9.60	4.60	2.50	8.35	4.20	7.50	4.25	
February.....	3.60	4.20	1.30	5.20	3.20	3.00	6.50	4.60	7.80	7.00	
March.....	5.30	3.40	4.20	1.50	6.10	2.25	.70	1.10	6.10	.70	
April.....	1.10	.80	4.10	5.40	1.80	.80	1.87	5.10	5.80	1.30	
May.....	2.30	1.05	4.20	2.90	2.00	4.80	.90	2.40	3.20	.85	
June.....	3.90	2.05	4.50	4.10	2.80	.50	2.00	2.20	.30	2.30	
July.....	2.50	6.20	5.35	.90	2.85	2.50	4.20	4.40	.10	1.70	
August.....	3.50	5.00	3.20	3.80	1.00	4.12	4.70	3.30	4.30	.60	
September.....	1.45	5.90	3.00	5.00	5.40	1.00	5.90	3.30	2.90	7.30	
October.....	6.00	4.20	10.60	5.20	4.00	3.90	2.75	5.50	4.35	1.70	
November.....	1.30	7.75	3.50	3.60	3.00	3.18	4.50	1.10	3.90	5.50	
December.....	1.90	3.20	5.40	7.20	3.62	3.00	7.60	3.40	7.50	(5.00)	
TOTALS ....	40.50	48.05	53.95	54.40	40.37	31.55	49.97	40.60	53.75	(38.20)	

45134

1869 December gauge leaky - roughly estd. TV. 1914



## Anchunrout

Lanark.

Robert Ker Esqr

Wm R. Ker

9. on a sloping bank in garden facing S. Greenhouses 60ft to N.

Diame 10 in + ground 4.9, + Sea level 150 feet  
Clyde, L. bank - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.00	2.48	3.25	6.40	2.05	1.62	4.33	2.85	4.48	2.93	3.439
February - -	2.94	2.90	.76	2.45	2.15	1.55	3.70	2.93	4.05	4.05	2.748
March - - -	2.75	4.63	3.55	1.00	3.65	1.40	1.05	1.02	3.55	.48	2.308
April - - -	2.98	.36	2.90	3.00	1.45	.35	1.60	3.25	2.65	.85	1.739 -
May - - - -	1.73	.62	4.07	2.10	1.35	3.60	1.28	2.00	1.98	.74	1.947
June - - - -	3.51	1.77	3.34	2.80	1.85	.45	1.82	1.60	.84	2.28	2.026
July - - - -	2.70	4.62	3.80	0.65	2.70	2.36	3.75	4.12	.20	1.28	2.618
August - - -	3.10	5.10	2.77	2.75	.95	4.30	3.50	2.72	3.68	.90	2.977
September -	1.02	4.00	2.28	3.30	3.85	.63	3.84	2.83	2.47	4.93	2.915
October - -	4.15	3.12	6.76	4.05	3.55	3.38	1.60	3.63	3.69	1.21	3.514 +
November -	1.45	3.24	1.87	2.60	2.20	2.34	2.94	.78	3.02	3.64	2.408
December -	2.25	2.10	5.05	3.95	1.60	2.30	4.78	2.04	4.53	4.52	3.312
TOTALS -	30.58	34.94	40.40	35.05	27.35	24.28	34.19	29.77	35.14	27.81	31.951

Taken monthly



RAINFALL AT CambruslangBushy HillLanark.Observer.....Henry Muirhead.....

Rain { By.....

Gauge { Diameter.....7.....in.Height above Ground,.....ft. 4.....in.Above Mean Sea Level. 148.....ft.Clyde, L. bank - 5.

YEAR.....									1868	1869	MEANS.
January.....										3.50	
February .....								<del>4</del>	5.00	5.10	
March .....								3.80	.60		
April.....								3.10	.80		
May .....								2.10	.80		
June.....								.20	2.30		
July .....								.35	1.50		
August.....								3.50	.60		
September.....								2.50	5.00		
October .....								3.90	1.50		
November.....								2.85	3.95		
December.....								5.85	5.65		
TOTALS .....										31.30	

On an Isolated knoll about 50 ft. high with the  
 Leathkin range about  $\frac{1}{2}$  a mile S 500 ft. high



# Rainfall at Cessnock Park, Govan Road, Glasgow

Lanark.

Robt Hart. Flat gauge in ornamental pillar, rod fastened down -

Diameter of Gauge, 10..... in. Height above Ground, 4. ft. .... in. Above Mean Sea Level, 34..... ft.

Clyde, L. bank - 5.

4 4 65 68

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.10	3.43	3.88	7.05	2.25	3.34	6.51	2.82	7.05	3.84	
February - -	3.03	2.72	1.18	3.18	4.30	2.80	5.84	3.18	5.69	5.43	
March - - -	3.63	5.47	4.07	1.11	4.48	1.85	1.10	.94	4.04	.69	
April - - -	1.04	.43	2.67	3.83	2.13	.84	1.33	3.95	3.35	1.03	
May - - - -	1.86	.95	4.45	2.68	1.40	2.92	1.24	2.75	2.35	.82	
June - - - -	3.99	2.69	1.92	2.64	2.62	2.40	1.85	1.59	1.14	1.87	
July - - - -	2.00	4.57	4.16	4.05	2.77		2.74	3.89	.33	2.08	
August - - -	3.40	7.30	3.10	2.20	1.50	4.57	4.28	3.98	4.07	.84	
September -	1.26	4.70	2.95	3.83	4.84	.06	4.84	2.56	2.40	4.76	
October - - -	4.39	3.73	7.40	3.89	2.84	3.89	2.44	3.89	4.20	1.45	
November - -	1.35	5.80	2.03	1.82	2.62	2.09	3.45	.84	3.20	4.87	
December - -	2.87	2.97	5.49	4.97	2.43	4.10	5.39	2.41	6.00	6.40	
TOTALS -	33.92	44.76	43.30	41.25	34.18	30.46	41.01	32.80	43.82	34.08	37.958

## Monthly

1860 prob. 25<sup>th</sup> Oct. - 25<sup>th</sup> 24<sup>th</sup> - Wrongly printed in pamphlet  
 1860 - though this year is likely to be back to by many  
 as a dry year we have had a fall of 4.172 in above  
 the 2000 Boshwell castle by mistake



2 Large

Mansfield

Apr.

John McMaster

Dr. Large Garden

Dr. Campbell Gardener

27

Die 10 in + ground bin

+ See Level 30 ft 6 in

Firm of Clyde - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.	
January - -	4.90	4.30	7.20	8.50	4.20	5.20	9.00	3.70	6.10	5.60	5.870	+
February - -	4.10	3.10	2.00	2.90	4.20	3.00	5.30	3.60	5.90	5.40	3.950	
March - - -	4.60	6.60	3.20	2.20	3.90	2.40	3.90	2.70	6.40	1.40	3.730	
April - - -	1.90	.50	3.70	3.70	3.30	.70	1.90	7.30	3.50	2.60	2.910	
May - - - -	2.90	1.60	5.00	3.60	2.20	2.70	1.70	3.40	2.30	.70	2.610	-
June - - - -	4.10	3.30	3.70	4.00	2.90	1.00	2.60	2.10	1.70	1.90	2.730	
July - - - -	2.30	3.50	6.10	4.00	3.00	2.80	2.70	2.90	1.30	3.00	3.160	
August - - -	4.40	11.20	4.10	4.30	2.30	7.20	6.20	4.40	6.00	1.20	5.130	
September -	2.50	5.50	3.10	6.40	5.60	1.90	5.60	3.50	2.30	8.40	4.480	
October - -	5.50	4.90	6.90	4.10	2.60	4.70	4.30	4.90	5.60	2.00	4.550	
November -	4.50	7.20	2.20	4.00	5.50	3.60	5.00	1.60	4.20	6.80	4.460	
December -	2.90	4.10	7.50	6.40	3.10	4.60	6.50	3.90	7.20	7.20	5.340	
TOTALS -	44.60	55.80	54.70	54.10	42.80	39.80	54.70	44.00	52.50	46.20	48.920	

✓ + ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓  
 ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓



Brisbane House N 2<sup>m</sup> N of Large

Roller d. 61

ayr.

7 Campbell gas Miller

Dia 10 in + ground g. 9 in 66 + Sea level 125 ft  
7th of Clyde - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.70	5.60	8.00	8.60	4.40	6.60	8.70	4.40			
February - -	4.15	3.50	2.20	3.30	5.50	3.30	5.00	4.30			
March - - -	4.75	6.85	3.90	2.70	5.20	2.50	4.00	3.30			
April - - - -	2.00	.60	4.50	4.10	2.50	.70	2.20	7.60			
May - - - -	3.00	1.90	4.80	4.20	2.10	2.90	1.70	4.60			
June - - - -	4.45	3.60	4.70	4.10	3.40	1.10	2.60	2.10			
July - - - -	2.20	3.90	6.50	.70 <sup>3</sup>	3.40	3.20	3.90	3.20			
August - - -	5.35	12.70	4.20	5.20	2.60	7.90	5.90	4.60			
September -	2.75	6.00	2.70	6.50	6.00	2.00	5.60	4.50			
October - - -	5.80	5.15	7.70	4.60	4.10	5.90	4.40	5.70			
November -	3.50	8.10	3.00	4.60	6.10	3.70	5.20	1.80			
December -	3.80	4.10	7.50	7.00	3.60	5.00	6.60	4.10 <sup>#</sup>			
TOTALS -	48.45	62.00	59.70	55.60	48.90	44.80	55.80	50.20			

✓ C ✓ C ✓ C ✓ C ✓ C ✓ C ✓ C

1868 - Imperfect - Gardener left







# RAINFALL AT

North Craig

2 1/2 m N of Kilmarnock WW

agr.

60

Jas M Gale Gale

Rain { By

Gauge { Diameter.....12.....in.

Height above Ground, ..... ft. 6... in.

Above Mean Sea Level, 330? ft.

Irvine & Co - 3.

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....	5.44	4.41	4.54	6.50	3.11	3.06	7.25	3.80	5.58	3.91	4.760
February .....	3.98	2.97	2.04	2.80	2.29	3.04	4.07	3.42	6.38	5.31	3.630
March .....	4.02	5.68	3.62	1.75	4.38	2.29	1.39	.73	4.97	.93	2.976
April .....	1.60	.42	4.20	3.69	1.87	.57	1.12	4.88	3.25	2.02	2.362
May .....	3.04	1.05	4.93	3.46	2.25	3.15	1.69	1.73	3.03	.68	2.501
June .....	3.95	3.64	3.12	4.09	2.94	1.47	2.20	2.14	1.45	2.57	2.757
July .....	1.95	3.95	5.55	.23	2.47	2.22	3.47	4.39	.71	2.43	2.731
August .....	4.05	9.23	4.81	3.86	2.00	5.11	5.95	4.05	4.15	1.89	4.510
September ...	1.74	5.74	2.49	6.77	6.08	1.24	6.65	4.65	2.14	6.38	4.388
October .....	5.57	4.82	8.18	3.95	3.77	3.87	2.65	5.09	5.61	2.57	4.608
November ...	1.62	7.00	1.96	4.16	3.17	2.74	4.69	1.46	2.92	6.91	3.663
December .....	2.07	2.29	6.17	6.98	2.51	2.63	5.86	3.81	6.60	5.08	4.400
TOTALS .....	39.03	51.20	51.61	48.24	36.84	31.39	46.93	40.15	46.79	40.68	43.286

placed in 1850 and observed regularly since that time

Different figures were given for 1865 + 1868 by Mr. W. H. Dunlop but Mr. Gale states that they are incorrect and that the above are correct



Blair

Apr.

Capt. Blair

150-60

+ Ground 0.0

+ Sea Level 160 ft

Innie - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					2.86	6.26	8.68	9.21			
February - -					4.14	4.59	6.03	4.32			
March - - -					5.69	2.76	3.51	1.16			
April - - - -					2.50	.84	1.59	7.34			
May - - - - -					2.06	4.56	2.02	3.94			
June - - - - -					2.95	1.41	2.37	2.35			
July - - - - -					2.62	2.41	4.27	5.53			
August - - -					2.42	6.69	7.21	5.11			
September -				6.69	4.57	1.38	6.71	5.21			
October - -				3.68	4.01	5.26	5.10	5.54			
November -				4.71	3.59	4.22	6.29	1.50			
December -				8.10	3.02	3.68	6.48	5.12			
TOTALS -					40.43	44.06	60.26	56.33			

1863 The weather at Blair Ayrshire generally mild but damp, little hail snow or frost. Ther. generally ranges high in comparison of E coast.



# RAINFALL AT *Ayr Holmston*

Observer.....

Rain { By.....

Gauge { Diameter..... 5.....in.

Height above Ground, ... 1.....ft.....in.

Above Mean Sea Level... 60.....ft.

*Ayr- 4.*

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....										5.04	
February .....										5.49	
March .....										} 2.45	
April.....											
May .....										.71	
June.....										1.62	
July .....										2.63	
August .....										1.50	
September.....										5.75	
October .....										2.53	
November.....										7.07	
December .....										5.87	
TOTALS .....										40.66	

*Gauge placed in an open field*



RAINFALL AT *Radgirth*

60

*an.*

*Burnett*

Rain { By .....  
Gauge { .....  
Diameter.....in.      Height above Ground, ..... ft. .... in.      Above Mean Sea Level, ..... ft.

*Apr-4.*

YEAR.....	<i>1860<sup>3</sup></i>										MEANS.
January .....	<i>2.55</i>										
February .....	<i>.90</i>										
March .....	<i>3.96</i>										
April .....	<i>.30</i>										
May .....	<i>#</i>										
June.....											
July .....											
August.....											
September ...											
October.....											
November.....											
December.....											
TOTALS .....											

*C*



Beechgrove Mauchline  
Ayrshire

Major Adair

correct 47265

MBZ

+ ground <sup>24</sup> 0063

+ Sea level 400 6384

Apr - Lt.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				6.26	3.11	3.39					
February - -				4.50	2.97	2.83					
March - - -				1.38	4.96	1.92					
April - - -				4.26	1.64	.54					
May - - - -				3.98	2.37	4.19					
June - - - -				4.46	3.16	4.51					
July - - - -				.47	2.06	2.27					
August - - -				2.74	2.31	4.11					
September -				6.23	5.87	1.25					
October - -				4.97	3.79	3.28					
November -				4.24	3.57	2.93					
December -				7.93	2.51	2.11					
TOTALS -				51.42	38.32	33.33					



## Anchendrane House

4 m SSE of Ay

Aug.

C bathcart

8 Pasturelli

10 in + ground 2.3

+ Sea Level 94 feet

Down - 5.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.43	4.87	3.13	6.55	2.40	3.74	0.30	4.28	5.63	4.60	4.993 +
February - -	3.80	3.13	2.67	5.15	2.65	2.73	5.30	3.94	5.99	5.48	4.084
March - - -	4.30	6.36	3.29	1.28	4.95	2.20	2.13	1.07	6.49	.67	3.275
April - - - -	1.62	.61	4.15	4.23	2.05	.67	.77	4.64	3.52	2.00	2.426 -
May - - - -	3.08	1.37	4.95	3.17	2.03	4.06	1.94	1.58	2.19	1.02	2.539
June - - - -	4.50	3.84	3.33	4.75	2.33	1.28	2.17	3.22	.95	1.87	2.832
July - - - -	1.72	2.73	4.08	.22	2.32	1.91	3.32	5.48	.80	2.39	2.497
August - - -	3.95	6.40	3.62	3.22	1.80	4.82	4.86	3.20	6.16	1.47	3.950
September -	1.75	4.98	2.80	5.82	5.80	1.16	5.91	4.33	1.70	6.38	4.071
October - -	6.74	3.80	8.24	4.57	3.24	3.10	2.65	5.18	5.86	2.95	4.633
November -	1.64	7.72	3.55	4.61	4.02	2.88	6.17	1.09	2.54	7.22	4.144
December -	2.32	3.40	6.28	6.38	3.22	2.51	6.32	4.10	7.09	6.80	4.842
TOTALS -	41.93	49.21	50.17	49.95	36.81	31.06	49.84	42.11	48.92	42.85	44.285

10 10 10 10 10 10 10 10 10 10 10  
 + 10 10 10 10 10 10 10 10 10 10 10



RAINFALL AT *Anchondrane House*

60

*Apr.*

Rain { By *Cassella*  
Gauge { Diameter *5* in.

Height above Ground, *2* ft. *0* in.

Above Mean Sea Level, *9.4* ft.

*Don - 5.*

YEAR .....								1867	1868	1869	MEANS.
January .....								<i>4.30</i>	<i>5.16</i>	<i>4.61</i>	
February .....								<i>3.95</i>	<i>6.70</i>	<i>5.74</i>	
March .....								<i>1.04</i>	<i>6.97</i>	<i>.82</i>	
April .....								<i>4.82</i>	<i>3.34</i>	<i>2.07</i>	
May .....								<i>1.59</i>	<i>2.49</i>	<i>1.03</i>	
June .....								<i>3.33</i>	<i>1.06</i>	<i>1.88</i>	
July .....								<i>5.48</i>	<i>.04</i>	<i>2.37</i>	
August .....								<i>3.23</i>	<i>6.22</i>	<i>1.57</i>	
September ...								<i>4.35</i>	<i>1.85</i>	<i>6.42</i>	
October .....								<i>5.30</i>	<i>5.72</i>	<i>2.77</i>	
November ...								<i>1.08</i>	<i>2.64</i>	<i>7.67</i>	
December .....								<i>4.26</i>	<i>7.19</i>	<i>7.95</i>	
TOTALS .....								<i>42.73</i>	<i>50.38</i>	<i>44.90</i>	

*To prevent insplashing the g level with ground is surrounded with a slight excavation, it collects in 1 1/2 in more than the g 2 ft + g 1/2. The 5 in g collects more than the 8 in*



# RAINFALL AT Duchendane House

60

Apr.

Rain { By Cassella  
Gauge { Diameter 5 in.

Height above Ground, 0 ft. 0 in.

Above Mean Sea Level, 9.4 ft.

Don - 5.

YEAR .....								1867	1868	1869	MEANS.
January .....								4.30	5.16	4.61	
February .....								3.95	6.70	5.74	
March .....								1.04	6.97	.82	
April .....								4.82	3.34	2.07	
May .....								1.59	2.49	1.03	
June .....								3.33	1.06	1.88	
July .....								5.48	.84	2.37	
August .....								3.23	6.22	1.57	
September ...								4.35	1.85	6.42	
October .....								5.30	5.92	2.77	
November ...								1.08	2.64	7.67	
December .....								4.26	7.19	7.95	
TOTALS .....								42.73	50.38	44.90	

To prevent insplashing the g level with ground is surrounded with a slight excavation, it collects in 14" nearly 1 1/2 in more than the g 2 ft + g<sup>+</sup>.  
The 5 in g collects more than the 0 in



RAINFALL AT *Cambusdoon, Ayr*

Ayr.

 By *James Baird*  
 Rain {  
 Gauge {

Diameter.....in.

Height above Ground, *3*.. ft. .... in.Above Mean Sea Level, *5.0*... ft.*Don - 5.*

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....						<del>#</del> 2.60					
February .....						1.53					
March .....						2.18					
April .....						.62					
May .....						3.55					
June .....						.92					
July .....						2.03					
August .....						3.81					
September ...						.37					
October .....						2.89					
November ...						2.73					
December .....						2.25					
TOTALS.....						25.48					



# RAINFALL AT *Seafield House Ayr*

Observer.....

Rain { By.....

Gauge { Diameter.....*5*.....in.

Height above Ground, *2*.....ft.....in.

Above Mean Sea Level.....*15*.....ft.

*Don - 5.*

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	5.23	3.75	2.33	5.26	2.07	2.72	6.50	3.58	4.56		
February .....	3.84	3.23	1.81	3.32	2.12	2.49	4.03	2.80	4.86		
March .....	3.45	5.48	3.07	1.26	4.40	1.49	1.59	.65	5.17		
April.....	.89	.38	3.10	3.52	1.51	.43	.61	3.83	2.65		
May .....	1.60	1.72	4.84	2.70	1.57	3.54	2.10	1.54	2.08		
June.....	4.24	3.33	2.49	5.06	1.72	1.13	1.68	1.98	.76		
July .....	1.57	2.66	3.31	.08	2.00	1.55	3.28	3.57	.48		
August.....	3.04	6.21	2.67	2.77	1.06	3.44	3.44	2.80	5.50		
September.....	1.14	4.85	2.13	4.84	4.60	.82	5.90	3.20	2.80		
October .....	4.72	3.40	8.15	4.22	3.23	2.55	1.91	4.05	5.02		
November.....	.42	4.10	2.40	3.34	3.49	2.40	4.46	1.33	1.79		
December.....	1.10	2.13	5.55	5.14	2.88	2.00	4.93	3.64	4.30	#	
TOTALS .....	31.24	41.24	41.85	41.57	30.65	24.56	40.43	32.97	39.97		

"Gauge sheltered by trees but the nearest is not less 50 ft distant and the highest under 25 ft high."



Girvan

Ayrshire

Peter Paterson

under 20 ft 6 3/64

+ Ground 2 in -

+ Sea Level 10 ft

Girvan - 7.

6 in 65 86 69

69 - 15 = 658

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				6.04	4.50	6.70	10.30	3.60	6.40	8.25	
February - -				3.50	2.50	3.50	5.08	3.60	6.10	4.60	
March - - -					7.20	2.80	6.18	2.30	8.45	1.10	
April - - -					2.60	.50	1.00	5.78	3.50	2.50	
May - - -					1.40	4.20	1.85	2.20	3.00	.90	
June - - -					3.50	1.20	2.35	2.20	.90	1.95	
July - - -			#	5.00	.10	3.00	2.50	3.65	5.70	.85	2.10
August - -				3.58	3.90	2.10	4.30	5.03	3.00	4.70	1.20
September -				2.43	5.90	5.00	1.10	5.50	3.50	1.75	6.50
October - -				7.53	5.45	3.20	5.10	2.60	5.23	5.70	3.66
November -				3.00	4.80	5.50	4.96	6.90	2.48	5.50	7.10
December -				6.20	6.30	2.85	4.80	5.20	3.00	10.65	6.95
TOTALS -					43.35	41.66	55.64	42.59	57.50	46.81	

✓ C C C C C C C C



RAINFALL AT *Pinmore Givran*~~Dargyllsham~~

Ayr.

Observer.....*Hugh Hamilton*.....

Rain { By.....

Gauge { Diameter.....*5*.....in.Height above Ground, *1*.....ft.....in.Above Mean Sea Level.....*187*.....ft.*Stinchart C-8.*

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....							8.30	3.96	5.60	8.15	
February .....							4.48	4.23	5.62	4.91	
March .....							5.70	2.44	7.06	1.45	
April .....							1.64	6.25	3.45	2.37	
May .....							1.79	2.44	2.54	1.23	
June.....							2.97	2.07	.67	2.06	
July .....							1.46	4.93	1.07	1.60	
August.....							5.93	3.46	5.84	2.15	
September.....							6.94	4.73	1.98	3.96	
October .....							3.11	6.68	7.66	4.41	
November.....							6.79	2.37	4.98	9.72	
December.....							5.66	5.35	11.51	6.43	
TOTALS .....							54.77	48.91	57.98	48.94	

C



RAINFALL AT White HillNew CummockWilliam LennoxArgshireRain { By .....  
Gauge { Diameter.....5.....in.Height above Ground, 1 ft. .... in.Above Mean Sea Level, 860 ft.with -13.

YEAR .....								1867	1868	1869	MEANS.
January .....								4.02	7.44	6.90	
February .....								4.23	6.58	5.69	
March .....								2.43	8.51	.72	
April .....								6.16	4.24	2.19	
May .....								2.10	2.16	1.17	
June .....								3.05	1.29	1.99	
July .....								4.04	.69	1.91	
August .....								2.84	5.46	1.31	
September ...								5.98	3.27	6.41	
October .....								5.36	7.50	2.34	
November ...								1.29	4.80	7.58	
December .....								4.46	9.49	7.62	
TOTALS.....								45.96	61.43	45.83	

1868 Jan 24 dreadful hurricane from SSE