

RAINFALL AT *Alloa* *Marshall*

Lat.

Lon.

County of *Blackmarran*

Rain Gauge, by

Observer *J. Melville Esq*

Forth, L. bank - 1.

Diameter	5											
Height	0 6											
Altitude	70											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.74	2.20	2.14	1.71	5.22	1.36	1.64	1.13	1.90	4.31	2.735	
February ....	.55	.70	1.74	3.77	8.61	.50	1.22	3.06	1.69	4.01	2.585	
March	1.72	2.45	.96	.83	2.60	2.15	3.05	4.63	1.14	2.94	2.247	
April .....	.84	.93	.56	.92	1.00	1.93	1.37	1.45	1.92	3.12	1.404	
May	1.62	1.43	3.58	2.08	2.29	.62	.62	1.68	2.12	4.30	2.034	
June	2.77	.76	3.41	1.33	2.47	2.58	2.90	5.49	2.01	2.01	2.573	
July	3.38	1.91	1.58	2.01	3.13	4.81	3.75	1.31	1.29	3.01	2.618	
August	2.92	5.28	7.19	2.69	4.57	7.20	1.61	5.83	3.87	1.10	4.226	
September....	3.72	4.96	2.60	1.33	.21	1.27	3.93	1.76	3.55	3.46	2.679	
October	1.83	2.83	4.07	3.17	3.68	1.97	3.09	1.34	3.39	2.24	2.761	
November	5.52	2.66	2.97	2.06	2.28	3.39	.68	1.86	5.72	3.42	3.056	
December	1.47	5.38	1.37	4.00	3.24	3.68	4.84	5.58	4.83	3.74	3.813	
TOTALS	32.08	31.49	32.17	25.90	39.30	31.46	28.70	35.12	33.43	37.66	32.731	

1890 *Alloa Church 300 yards S.W.*
House 22 ft high 27 ft E

RAINFALL AT Alva House

Lat. Lon. County of Blackmanian

Rain Gauge, by Observer M McDermont
Forth, L. bank - 1. Miss Johnstone

Diameter			5								
Height			12								
Altitude ....			...		180						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			3.07	1.91	5.32	3.05	1.95	1.92	2.25	5.51	
February			2.05	4.73	9.81	1.02	1.62	2.78	2.20	2.68	
March			1.12	1.23	2.96	4.12	3.58	4.92	1.41	2.98	
April			1.22	1.00	1.11	2.19	1.41	1.50	2.26	3.90	
May			3.34	1.89	3.07	.77	.66	1.82	2.63	4.21	
June			4.97	2.40	3.39	2.58	4.41	5.48	2.27	2.30	
July			2.28	2.74	4.40	4.97	3.96	1.48	1.47	2.87	
August			7.16	3.06	5.18	9.05	2.03	6.49	4.20	1.61	
September			3.33	1.56	.26	1.85	4.49	2.77	5.73	2.95	
October			5.80	2.59	2.66	2.45	3.73	1.66	5.45	4.31	
November			3.19	2.58	3.64	3.86	1.18	3.25	5.16	3.92	
December			1.38	4.44	3.09	4.81	5.38	5.21	3.85	3.86	
TOTALS			38.91	30.13	44.89	40.72	34.40	39.28	38.88	41.10	38.00

1893 Alva Church 1/2 mile W
 wall 9 1/2 ft high 15 ft E

* Computed from Alva, Mar St. & Dollar

RAINFALL AT *Menstrie The Myretown*

Lat.

Lon.

County of *Clackmannon*

Rain Gauge, by *Fork, L. bank - 1.*

Observer *Mrs Johnstone*

Diameter				5							
Height				4							
Altitude				120							
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January				3.93							
February				4.60							
March .....				.00							
April				1.60							
May				1.60							
June				2.38							
July				2.64							
August				2.92							
September....				1.42							
October.....				5.30							
November....											
December				4.10							
TOTALS . . .				30.49							

Menstrie Church 3/4 mile S.W.

RAINFALL AT *Dollarbeg, Home Farm*

Lat. _____ Lon. _____ County of *Blackmannon*

Rain Gauge, by _____ Observer *J. Block Esq.*
Forth, L. bank - 1.

Diameter											5	
Height											0.9	
Altitude											265	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January										6.35		
February										2.72		
March										3.21		
April										3.49		
May										4.90		
June										2.03		
July										2.89		
August										1.26		
September										3.19		
October										4.39		
November										3.65		
December										4.09		
TOTALS										42.17		

Blairingone Church 1 mile E.
House height 20 feet distance 27 feet N.

RAINFALL AT Dollar

Lat.

Lon.

County of Blackman

Rain Gauge, by

Observer

Mr A Blackwood

Fork, L. bank - 1.

Diameter	9										
Height	1 0										
Altitude	178										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.65	2.27	2.57	2.05	4.49	2.07	2.35	1.88	2.81	6.78	3.292
February	1.11	.70	1.61	4.63	8.63	1.45	1.85	2.60	2.36	2.43	2.737
March	2.58	3.13	.88	1.16	2.69	4.57	4.53	5.47	1.84	3.46	3.031
April .....	.95	1.19	1.03	1.03	.91	1.88	2.35	1.51	2.59	3.33	1.677
May	1.27	2.08	2.65	1.63	2.37	.54	.70	1.77	2.60	4.65	2.026
June	3.71	.61	4.04	2.05	2.99	2.45	3.88	6.19	3.52	1.96	3.140
July	3.51	2.72	2.07	2.42	2.96	5.59	4.20	1.73	2.06	3.20	3.046
August	2.80	4.97	7.40	2.64	5.25	10.60	1.96	6.17	5.04	1.50	4.833
September	4.02	6.41	3.06	1.24	.08	2.53	5.19	3.47	6.58	3.55	3.613
October	5.15	3.03	5.64	3.53	2.19	3.03	4.10	1.45	5.36	4.61	3.809
November	7.60	3.13	2.85	2.05	3.26	4.02	1.12	3.87	5.74	4.33	3.797
December	2.32	6.59	1.53	4.82	3.39	5.09	5.87	5.87	5.31	5.20	4.599
TOTALS	40.67	36.83	35.33	29.25	39.21	43.82	38.10	41.98	45.81	45.00	39.600

1880—

RAINFALL AT Blairingone [Dollar]

Lat. Lon. County of Perth Kinross

Rain Gauge, by Observer Rev J F Cameron
Fork, L. bank - 1.

Diameter	5										
Height	16										
Altitude	300 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.22	2.50	2.76	1.85	5.42	2.75	1.97	2.09	2.85	6.53	3.494
February	1.09	.43	2.42	4.53	9.26	.57	2.14	2.59	2.27	2.76	2.806
March	2.59	2.85	1.29	1.16	2.88	3.59	3.89	5.70	1.55	3.53	2.903
April	1.37	2.31	1.02	1.33	1.35	1.80	1.92	1.47	2.61	3.72	1.890
May	1.61	1.70	4.68	1.88	3.25	.37	.75	1.47	2.14	4.72	2.257
June	4.58	1.04	4.19	2.17	3.22	1.55	4.00	5.50	2.97	2.03	3.125
July	3.58	2.93	2.58	2.81	3.42	6.19	3.63	1.67	1.72	2.71	3.124
August	3.73	6.00	7.76	3.00	6.07	9.17	2.27	5.82	4.27	1.25	4.934
September	5.05	6.19	3.26	1.75	.24	1.97	4.75	3.53	5.49	5.05	3.728
October	2.81	3.16	5.70	3.82	4.37	2.78	3.73	1.45	5.59	2.97	3.638
November	7.16	3.66	3.28	2.14	2.85	4.00	1.23	3.50	5.57	3.97	3.736
December	2.32	6.80	1.96	4.96	3.24	4.68	5.63	5.41	4.73	4.68	4.441
TOTALS	42.11	39.57	40.90	31.40	45.57	39.42	35.91	40.20	41.76	43.92	40.076

1890 Blairingone Church 1/2 mile E
 Tree 40 ft high 60 ft S
 " 50 " " 65 " NW
 House 60 " NE

RAINFALL AT

Gleish Castle

Lat.

Lon.

County of

Kinross

Rain Gauge, by

Observer

H. Buchan

Seven ft - 2.

Diameter												
Height			10									
Altitude			450?									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January			2.63			1.50	2.00	2.15	3.16	3.10		
February			2.82			.80	2.35	2.64	2.45	2.45		
March			1.34			3.00	3.99	6.78	2.01	2.01		
April			1.21			2.45	1.90	1.87	3.85	3.85		
May			4.90			.37	.68	1.78	2.50	2.50		
June			5.21			2.00	4.64	5.24	2.65	2.65		
July			2.34			5.55	4.52	2.28	2.00	3.98		
August			7.14			8.10	2.91	6.61	3.07	1.60		
September			3.84			1.55	4.89	2.78	3.36	3.48		
October			5.70			4.10	3.40	2.00	5.57	2.14		
November			3.63			3.36	1.45	3.26	5.78	4.93		
December			1.74			4.90	6.88	3.83	4.14	4.20		
TOTALS			42.50			37.50	39.61	41.22	40.54	36.89		

37.68

and from the 30.1X.12

RAINFALL AT Loch Leven Shuce

Lat. Lon. County of Kinross
Rain Gauge, by Observer Mr W. Clark
Leven & C - 2.

Diameter	7										
Height	0 7										
Altitude	360 L										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.70	2.70	2.00	1.50	6.20	2.70	1.70	1.90	1.90	6.20	3.250
February	1.10	70	2.30	4.30	9.20	1.00	1.30	2.40	2.00	2.80	2.710
March	2.40	3.40	.60	1.00	3.40	3.60	2.90	5.50	1.40	3.30	2.750
April .....	.70	.90	.90	1.00	.70	1.80	1.30	1.60	3.70	3.20	1.580
May	1.60	1.90	3.60	1.50	2.50	.70	.60	1.80	2.20	4.60	2.100
June	3.40	.90	3.50	3.10	2.40	1.20	3.50	4.90	2.20	1.90	2.700
July	3.20	2.10	1.20	2.40	2.90	4.50	4.30	1.80	.90	2.80	2.610
August	3.00	6.20	5.20	3.30	4.00	6.50	3.00	4.60	3.70	1.30	4.080
September....	3.60	6.30	2.40	1.40	.30	1.10	4.00	3.00	3.60	2.30	2.800
October	3.10	2.60	4.70	2.70	4.60	2.30	3.90	1.70	5.70	4.00	3.530
November....	6.70	2.60	2.60	1.90	3.30	3.70	1.20	2.90	5.90	4.30	3.610
December	2.70	5.50	1.10	3.80	3.10	4.10	6.30	6.00	4.40	4.10	4.110
TOTALS	37.20	36.80	30.10	27.90	42.60	33.20	34.00	38.10	37.60	40.80	35.830

Pertmonk
1890 Pertmonk Church 2 miles NW
Hedge 6 ft high 37 ft NE
SW 1850

RAINFALL AT Kinross Turfhill & Gelly Bank

Lat.

Lon.

County of Kinross

Rain Gauge, by

Observer G. Henderson Esq

Leven & C - 21

Diameter	5										
Height	0 6										
Altitude	400 π				440						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.46	3.12	2.62	[#] 1.88	4.47	2.54	1.75	1.54	2.14	5.13	3.165
February	1.23	1.20	2.58	4.95	7.69	.65	1.30	2.17	1.80	2.75	2.622
March	3.36	3.64	1.39	1.19	2.73	2.89	3.23	5.34	1.21	2.50	2.748
April .....	.98	1.67	1.16	1.09	1.17	1.63	1.63	1.85	3.04	3.28	1.750
May	1.76	1.42	4.11	1.60	2.61	.47	.56	1.60	1.61	4.13	1.987
June	4.41	1.07	4.24	1.90	2.44	1.24	3.65	4.15	2.41	1.75	2.726
July	4.01	2.56	1.85	2.71	2.86	4.00	3.43	1.91	1.14	3.26	2.773
August	3.35	6.12	6.43	2.87	4.44	5.52	2.67	5.37	3.46	1.28	4.151
September	5.30	6.61	3.31	1.53	.24	1.35	3.59	2.93	3.60	2.36	3.082
October	3.37	3.22	6.02	3.68	3.62	2.46	3.14	1.63	3.72	3.43	3.429
November	8.05	4.27	3.31	1.72	2.99	3.65	1.17	2.70	4.72	3.75	3.633
December	2.43	6.76	1.40	[#] 3.47	2.79	3.58	5.37	4.87	4.57	3.51	3.875
TOTALS	44.71	41.66	38.42	28.59	38.05	29.98	31.49	36.06	33.42	37.13	(35.951)

1890 Kinross Church 1 Mile E

Shrubs 2 to 2 1/2 ft high 12 ft S

1893 Kinross Church 1 1/2 miles N

Trees 30 ft high 30 ft N

1898 Nov 8th Gauge moved 42 ft S

RAINFALL AT *Dunfermline Keavil*

Lat. *56°3'29"N* Lon. *3°30'00"W* County of *Fife*

Rain Gauge, by _____ Observer *L. Dalgleish Esq*
Form, L. bank - 1.

Diameter	5										
Height	0 2										
Altitude	150										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.58	1.42	1.56	1.27	3.81	1.73	1.23	1.24	.89	4.74	2.147
February ....	.81	.38	1.89	3.21	6.41	.39	.89	1.43	1.24	1.76	1.841
March	1.58	3.67	.89	.72	2.22	2.41	2.04	3.54	1.22	2.31	2.060
April .....	.95	.78	.49	1.19	1.07	1.20	1.43	.97	1.74	2.50	1.232
May	1.37	1.47	2.78	1.64	2.19	.44	.62	1.52	1.88	2.57	1.648
June	2.64	.47	3.75	1.65	2.47	1.16	3.28	4.31	1.55	1.38	2.266
July	1.94	2.22	1.75	2.08	2.69	4.41	3.22	1.16	1.27	3.00	2.374
August	3.20	3.80	4.79	2.99	3.85	6.58	1.88	3.84	2.97	.94	3.484
September....	1.98	3.69	1.53	.99	.26	1.08	3.30	1.91	2.97	2.07	1.978
October	1.96	1.45	3.05	2.72	3.30	2.77	2.63	1.32	3.31	2.88	2.539
November....	4.89	2.19	2.17	1.31	2.23	2.48	.77	1.91	4.10	2.50	2.455
December	1.74	4.62	1.01	2.32	2.14	3.07	4.27	2.90	2.62	2.87	2.756
TOTALS	26.64	26.16	25.66	22.09	32.64	27.72	25.56	26.05	25.76	29.52	26.780

1880-

RAINFALL AT Cuthross Tulliallan Free Church Manse

Lat. Lon. County of Perth High.

Rain Gauge, by Observer Rev J. W. Laurie
Forth, L. bank - 1.

Diameter	5										
Height	2.0	1	11								
Altitude	60	50									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.65	2.51	1.71								
February ....	.59	.35	1.85								
March	2.05	2.60	.95								
April .....	.80	.97	.55								
May	1.40	1.45	3.00								
June	2.40	.50	3.97								
July	2.35	1.54	1.67								
August	2.88	2.56	6.23								
September....	.50	3.54	2.20								
October .....	.88	2.50	3.50								
November....		2.32	2.55								
December		5.15	1.42								
TOTALS		25.99	29.60								

1890 Nov. gauge broken by frost

1892 Manse 35ft high 54ft N

RAINFALL AT Larnock Luscar House

Lat.

Lon.

County of Fife

Rain Gauge, by

Observer J. Mitchell Esq

Fork, L. bank - 1.

Diameter		5									
Height .....		. 10									
Altitude		4 30 ^T									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January		1.62	1.89	1.40	3.42	1.87	1.52	1.87	2.63	5.88	
February ....		.76	2.24	4.38	7.77	.73	1.50	1.12	1.55	2.10	
March		3.80	1.01	.97	3.42	1.56	2.65	5.38	1.02	1.37	
April		1.05	.31	1.03	1.13	2.90	1.38	.91	1.74	3.28	
May		1.34	3.81	1.69	2.22	.73	.98	1.65	2.80	5.30	
June		1.27	4.85	1.40	3.47	1.28	3.63	4.87	2.08	.72	
July		2.93	2.27	3.18	2.93	5.29	4.11	1.67	1.00	4.17	
August		5.55	6.09	3.12	5.61	5.18	2.87	6.04	3.16	.42	
September		4.77	1.30	1.31	.13	3.15	3.91	2.57	2.67	2.39	
October		2.65	4.77	3.78	3.43	3.17	3.14	1.66	7.69	4.10	
November		2.80	2.01	1.54	3.49	3.30	1.20	2.56	4.88	3.30	
December		4.62	1.86	3.40	2.56	3.39	4.10	3.22	3.30	4.03	
TOTALS		33.16	32.41	27.20	39.58	32.55	30.99	33.52	34.52	37.06	(33.00)*

1891 Larnock Church $\frac{2}{3}$ mile S W N W

* Computed from Reavil and Beath, Outh

RAINFALL AT Barnock Lincan House

Lat. Lon. County of Fife

Rain Gauge, by

Observer

Col Mitchell

No 2 Fork, L. bank - 1.

Diameter			5								
Height			10								
Altitude			430 ^T								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			1.90	1.38	3.42	1.83	1.52	1.87	2.63	5.88	
February			2.28	4.32	7.64	.73	1.50	1.12	1.63	2.07	
March			1.03	.95	3.42	1.54	2.66	5.41	1.02	1.38	
April .....			.30	1.05	1.15	2.91	1.38	.91	1.75	3.34	
May			3.79	1.68	2.21	.73	1.00	1.65	2.80	5.30	
June			4.84	1.38	3.47	1.26	3.66	4.87	2.07	.72	
July			2.28	3.15	2.93	5.31	4.12	1.67	1.00	4.17	
August			6.05	3.12	5.61	5.19	2.87	6.04	3.16	.42	
September....			1.31	1.29	.13	3.14	3.91	2.57	2.67	2.39	
October			4.76	3.75	3.43	3.17	3.13	1.66	7.70	4.10	
November			2.00	1.54	3.49	3.30	1.20	2.56	4.88	3.30	
December			1.90	3.41	2.56	3.34	4.10	3.22	3.28	4.06	
TOTALS			32.44	27.02	39.46	32.45	31.05	33.55	34.59	37.13	

RAINFALL AT *Bulross West Grange*

Lat. Lon. County of *Perthshire*

Rain Gauge, by Observer *J. J. Dalgleish Esq*
Forth, L. bank - 1.

Diameter	5										
Height	0 2										
Altitude	116 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.22	1.92	1.72	1.36	4.09	1.61	1.50 #	1.50	1.82	6.41	
February ....	.53	.52	2.02	3.07	8.48	.54	2.16	2.16	1.87	2.32	
March	2.21	3.33	.85	1.78	2.65	1.82	4.52	4.52	1.61	2.97	
April .....	.68	.99	.65	.98	1.43	1.06	1.06	1.06	2.43	3.37	
May .....	.96	1.58	3.12	1.99	2.45	.29	1.74	1.74	2.26	4.64	
June	1.13	.45	3.91	1.45	2.87	.56	5.28	5.28	2.11	1.86	
July	2.36	2.09	1.78	2.02	2.67	3.08	1.44	1.44	1.55	2.64	
August	2.65	5.21	5.83	2.14	5.03	5.23	5.38	5.38	3.98	.98	
September....	4.23	4.50	2.29	1.17	.05	.77	2.43	2.43	4.12	2.48	
October	2.17	2.08	3.58	2.72	3.32	1.02	1.37	1.37	5.44	3.42	
November	5.04	2.47	2.12	1.57	3.25	2.29	2.79	2.79	4.84	3.32	
December	1.51	5.12	1.68	3.28	2.16	2.19	4.47	4.47	5.18	3.40	
TOTALS	25.69	30.26	29.55	23.53	38.45	30.00 20.46	27.00 34.14	34.14	37.21	37.81	(31.36)

1895 Record about ten inches short. A new Gardener allowed the gauge to get out of repair 1896 Bad also

RAINFALL AT

Larnock Craigluscar

Lat.

Lon.

County of

Fife

Rain Gauge, by

Observer

aw Bell Esq C.E.

Fork, L. bank - 1.

Diameter							12	.	12		
Height							4	.	0 4		
Altitude							280	.	280		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.70	2.00	2.10	2.30	5.10	2.40	3.20	1.30	2.10	7.20	
February	1.40	.50	4.50	4.10	7.00	3.00	1.20	1.70	1.60	2.20	
March	2.20	3.20	1.70	1.10	2.10	3.20	2.80	5.20	1.10	2.20	
April	1.20	1.50	.80	1.30	1.40	2.00	1.70	1.60	3.30	4.30	
May	2.00	2.10	4.40	2.10	3.00	.60	.80	1.50	2.20	4.10	
June	4.60	1.00	3.00	3.00	3.30	1.50	4.30	5.20	2.60	.06	
July	3.50	3.30	2.30	2.50	3.20	5.40	4.30	1.80	1.20	4.30	
August	3.80	5.10	6.10	3.50	6.00	7.00	2.40	6.60	2.90	1.20	
September....	4.50	5.90	2.30	1.50	.20	1.60	4.20	3.00	3.30	2.30	
October	2.60	2.30	4.30	3.70	4.00	3.60	3.40	1.80	7.00	3.10	
November	3.40	3.10	2.40	1.50	3.60	2.90	1.20	2.30	6.20	3.90	
December	2.30	5.30	1.40	3.40	2.20	2.60	5.70	4.70	2.50	3.20	
TOTALS . . .	34.20 np	35.30 np	35.30 np	30.00 np	41.10 np	35.80	35.20	36.70	36.00	38.06	

†

Dunfermline Church 2 1/2 miles ESE

1890-1894 received from M.O. Edinburgh November 1937. - late np.

RAINFALL AT *Clash Hills* } *Dunfermline* } *Ork*

Lat..... Lon..... County of *Fife*

Rain Gauge, by Observer *L. Dalgleish Esq*
Fork, L. bank - 1.

Diameter	5											
Height	0 2											
Altitude	890											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.52	2.58	2.00	1.68	5.38	4.50	2.45	3.46	3.29	6.22	3.408	
February ....	.66	.10	3.13	5.39	6.67	1.50	.89	2.98	1.80	2.67	2.579	
March	1.35	1.20	1.70	1.19	1.43	6.40	3.89	11.37	1.54	2.55	3.262	
April	1.87	2.03	.85	1.32	1.39	4.33	2.05	1.84	3.52	3.10	2.230	
May .....	.69	2.11	3.89	1.86	3.21	.70	.56	1.96	1.94	4.90	2.182	
June	3.83	.72	5.52	2.44	4.52	2.45	4.83	7.94	3.40	2.25	3.790	
July	3.61	2.89	2.26	2.40	4.96	6.16	4.62	2.58	.95	3.91	3.434	
August	2.90	5.91	5.65	3.28	5.68	7.83	2.74	3.87	3.36	1.59	4.281	
September....	3.04	3.58	2.16	1.97	.29	1.36	6.27	3.13	4.38	3.37	2.955	
October	1.58	2.30	4.96	4.13	5.34	4.75	3.62	4.37	5.49	2.74	3.928	
November....	5.94	3.66	4.10	3.54	5.25	5.35	1.67	4.41	4.31	3.39	4.162	
December	2.16	5.27	2.59	5.49	4.93	3.68	10.06	5.26	3.87	2.46	4.577	
TOTALS	30.15	32.35	? 38.81	34.69	49.05	49.01	43.65	53.17	37.85	39.15	40.788?	

bad.

*1892 Unreliable not printed. Decimal points
believed to be misplaced.*

1880

N.B. annual values rejected from Survey sheet, 1929.

RAINFALL AT *Pittenweem The Priory*

Lat.

Lon.

County of *Fife*

Rain Gauge, by

Observer *Rev F. H. Lloyd*

Level 10-2

Diameter	5										
Height	0 10										
Altitude	50										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.51	.70	1.52	.67	2.22	2.08	.67				
February	1.27	.15	1.16	3.08	4.47	.00	.87				
March	1.70	2.86	.60	.13	.93	2.45					
April .....	.39	.83	1.73	.21							
May	2.10	2.18		.55	4.35	.81	.72				
June	2.86	.61	5.64	2.31		1.13	2.09				
July		2.25		2.15	5.78	4.07	3.82	2.80			
August	4.58	4.04	4.79	.76	5.12	3.52		3.10			
September		3.92	.85	.93	.23		6.10				
October		1.96	3.62			5.15	3.74				
November	6.97	2.14		3.09	4.14						
December	2.13	4.04	2.30		1.78	1.82	5.98	3.35			
TOTALS	24.51	25.68	22.21	13.88	29.02	21.03	26.19	23.48			(24.00)*

1893 Total about 5 inches too small

* Computed (without 1893) from Balcarres

RAINFALL at Markinch (Carriston Reservoir)

County of Fife Observer

River Basin

Type of Gauge

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

Diameter											
Height											
Altitude											
Year	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	Means
January	1.45	2.28	1.47	4.41	2.68	1.04	1.77	.92	4.07	4.65	
February	.37	2.19	4.12	6.70	1.40	1.23	1.06	.90	2.10	3.76	
March	3.69	1.41	1.37	1.63	3.66	2.20	3.91	1.34	2.45	1.89	
April	.62	1.51	1.49	1.53	1.77	1.24	1.42	3.08	3.51	2.00	
May	2.31	3.55	2.02	3.30	.64	.66	1.35	2.18	4.48	2.37	
June	.79	4.24	2.86	2.47	1.07	2.51	5.06	1.84	1.89	2.80	
July	2.77	1.82	3.30	3.80	5.62	4.96	2.03	1.06	2.88	3.95	
August	6.50	5.97	2.81	5.38	5.04	2.70	4.17	3.54	1.10	4.55	
September	5.15	1.44	1.84	.53	.96	4.04	2.59	3.25	4.16	2.52	
October	3.22	5.76	2.81	4.26	2.52	4.05	1.69	4.73	1.47	4.44	
November	3.51	2.24	1.67	2.47	3.02	1.10	2.08	6.00	3.10	5.69	
December	4.48	1.40	3.02	2.55	3.28	6.46	5.16	3.58	5.37	4.73	
TOTALS	34.86	33.81	28.78	39.03	31.66	32.19	32.29	32.42	36.58	43.35	

Back years 1891-1900 received 4/40
Obs. entered Wrong Day. (presume from 1939 record)
Record reasonable with

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series } No. of Map Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
			Markinch	2.125ml.	S.W.	Kennaway	1.69ml.	E.S.E.

RAINFALL AT

Leslie Lothrie Reservoir

Lat.

Lon.

County of

Fife

Rain Gauge, by

Observer

Dr Buchanan F.R.S.

Leven & C - 2.

Diameter											
Height											
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.30	1.65	2.69	2.38	5.15	3.86	1.36	2.64	1.31	5.72	
February	1.57	.54	3.68	5.61	6.93	2.11	1.20	2.43	1.43	2.96	
March	2.99	3.64	1.95	1.48	1.97	3.38	2.88	5.63	1.32	2.74	
April	1.08	1.46	1.09	1.13	1.89	1.96	1.29	1.71	3.78	3.91	
May	2.02	2.71	3.57	1.36	3.35	.66	.64	1.89	3.24	4.44	
June	3.40	.80	4.54	3.31	2.98	1.52	3.24	5.52	2.61	1.94	
July	2.83	3.81	1.76	3.30	3.26	5.63	4.60	1.41	1.36	3.32	
August	3.73	5.03	5.67	3.41	4.98	6.83	3.07	4.59	2.83	1.42	
September	1.96	5.52	2.17	2.53	.54	1.07	4.79	3.07	3.34	2.27	
October	3.77	3.23	5.94	3.34	3.65	2.96	3.90	1.99	5.61	4.01	
November	6.69	3.89	2.60	1.68	3.63	3.48	1.21	2.39	6.31	3.42	
December	4.07	5.82	1.38	3.53	2.53	5.84	6.62	4.85	2.84	5.92	
TOTALS	38.41 np	38.10 np	37.04 np	33.06 np.	40.86 np	39.30	34.80	38.12	35.98	42.07	

8

1890-1894 received from Edinburgh November 1934.
late np.

RAINFALL AT Kilconquhar Balcanes

Lat. Lon. County of Fife

Rain Gauge, by Observer Mr E. Tate

Leven - 2.

Diameter	5										
Height	0 6	1 0	6		1 0						
Altitude	300 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.06	1.00	1.76	1.30	3.40	3.38	.89	1.40	.88	4.74	2.181
February	1.72	.20	2.53	4.00	4.91	.17	1.14	1.18	.86	2.57	1.928
March	2.65	3.75	1.44	.97	1.27	4.65	2.16	3.44	.70	2.23	2.326
April .....	.84	1.02	1.35	1.18	1.80	1.68	1.33	1.65	2.97	3.75	1.757
May	2.60	2.85	3.33	1.46	4.01	.75	.80	.87	2.10	4.73	2.850
June	3.90	.54	3.88	3.09	2.31	1.44	2.43	5.77	1.68	1.64	2.668
July	2.25	4.10	2.03	3.80	4.58	5.90	5.69	2.08	1.11	3.41	3.495
August	3.54	5.05	5.23	3.34	5.26	4.83	3.25	4.13	3.54	.83	3.900
September....	3.26	5.47	1.15	1.90	.47	.99	5.39	1.14	2.70	5.09	2.756
October	2.91	2.02	4.95	2.55	4.21	3.05	4.38	1.87	5.97	1.38	3.329
November....	6.14	2.92	2.25	1.40	1.85	2.50	.98	2.24	4.56	2.98	2.782
December	2.86	4.80	1.15	2.40	1.71	3.14	7.69	4.32	2.25	4.26	3.458
TOTALS	35.73	33.72	31.05	27.39	35.78	32.48	36.13	30.09	29.32	37.61	32.930

1880—

RAINFALL AT Kennoway Kilnmac

Lat. Lon. County of Fife

Rain Gauge, by Observer D Russell Duncan Esq
Leven tc-2.

Diameter	5										
Height	10										
Altitude	500										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January		1.31	1.63	1.41	3.44						
February ....		.42	1.70	3.25	5.01						
March		2.39	1.11	1.16	1.28						
April .....		.72	1.15	1.15	1.77						
May		2.54	3.04	1.25	2.87						
June .....		.53	3.59	2.57	2.14						
July		3.03	1.57	4.22	3.28						
August		6.30	4.62	3.67	4.90						
September....		4.25	1.19	1.96	.43						
October.....	2.84	2.14	4.72	2.75	3.29						
November....	5.45	2.82	1.99	1.52	2.15						
December	2.87	4.24	1.42	2.38	2.13						
TOTALS		30.69	27.73	27.29	32.69	obs ^d abroad					

Kennoway Church 2 miles S.W.

RAINFALL AT Carnbee Overstone Reservoir

Lat.

Lon.

County of Fife

Rain Gauge, by

Observer

A. Watson Esq

Leven to - 2 -

Diameter							5				
Height							1 - 0				
Altitude							168				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....								.87	.75	3.75	
February ....								.82	.60	2.09	
March								2.32	.43	1.54	
April								1.07	2.15	3.43	
May								1.00	2.16	4.09	
June								4.98	1.38	1.61	
July								1.74	.88	2.23	
August								3.62	3.53	.65	
September....								1.80	2.14	4.22	
October								1.47	4.32	1.19	
November							# .87	1.64	3.78	1.78	
December							5.35	3.26	1.51	3.37	
TOTALS								24.59	23.63	29.95	

1897 Carnbee Church 1 1/2 miles N

Fence round large 3 ft 6 in high 12 ft

RAINFALL AT Grail, Hurkmay

Lat.

Lon.

County of Life - 2

Huron

Rain Gauge, by

Observer J. Duncan

Diameter										5	
Height										1.0	
Altitude	100									110	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.77	.78	1.27	.89	2.27	2.02	.65	.65	.87	3.95	
February	1.06	10	1.65	2.66	4.24	.60	.85	.99	.64	2.38	
March	1.68	2.21	.63	.76	1.08	2.13	1.69	3.14	.38	1.96	
April .....	.46	.64	1.34	1.07	1.04	1.23	1.05	1.41	2.82	3.54	
May	2.58	1.85	3.32	1.41	3.18	.41	1.04	1.04	2.47	4.61	
June	2.78	.69	3.16	2.20	2.17	1.52	2.43	4.70	1.55	1.30	
July	3.04	2.56	1.60	3.02	3.39	4.95	4.67	2.14	1.39	2.31	
August	3.42	4.05	4.69	2.09	4.94	3.75	2.46	3.45	3.59	.46	
September	1.94	3.49	1.46	2.05	.56	1.15	3.17	2.00	2.08	3.73	
October	2.79	2.04	4.21	2.07	2.92	2.90	3.92	1.49	3.46	1.71	
November	5.17	2.47	1.91	1.59	2.53	5.14	.87	1.61	3.36	2.57	
December	2.05	3.99	1.21	1.88	2.44	2.33	5.18	3.86	1.69	3.61	
TOTALS . . .	29.74	24.87	26.45	21.69	30.76	28.13	27.98	26.48	24.30	32.13	

1886-1929 late n.p. Back years received 11/31

encl. 15 B file 76517/80

RAINFALL AT Strathmiglo Edenside House

Lat. Lon. County of Fife

Eden - 3. Rain Gauge, by Observer F Troup Esq M.D

Diameter									5		
Height									10		
Altitude									200		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January									1.20	4.78	
February									1.64	2.92	
March .....									.91	2.61	
April									3.50	3.32	
May									2.85	4.91	
June									1.76	1.99	
July .....									.74	2.83	
August									2.99	.96	
September									3.22	3.87	
October									4.93	1.94	
November									5.29	3.74	
December									4.77	3.89	
TOTALS . . .									33.80	37.76	

Strathmiglo Church 1/4 mile NE

RAINFALL AT Strathmiglo Leden Urquhart

Lat..... Lon..... County of Fife

Rain Gauge, by Observer J. Thom Esq
Leden No - 3.

Diameter	5										
Height	1 0										
Altitude	615 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.59	2.06									
February	1.27	.27									
March	3.08	2.69									
April	1.07	1.88									
May	1.75	2.33									
June	3.88	.62									
July	2.54	2.86									
August	3.08	5.56									
September....	3.63	3.71									
October	2.25	3.69									
November....	6.61	3.70									
December	2.17	6.29									
TOTALS	35.92	35.66	NR								

RAINFALL AT Battle Bank, Beres Village.

Lat.

Lon.

County of Fife.

Rain Gauge, by

Observer

James Melville Esq.

Eden TC - 3.

Diameter											
Height											
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.95	1.15	1.73	1.85	3.64	2.85	.74	1.59	.81	3.92	
February ....	.39	.10	1.87	2.70	4.79	.85	.70	1.17	.53	2.38	
March	2.05	2.39	1.36	.72	1.30	2.77	2.00	3.38	.91	1.81	
April .....	.68	1.06	1.04	.78	1.78	1.43	1.09	2.11	2.32	2.83	
May	1.89	2.38	2.32	.88	3.00	.79	.53	.88	2.17	3.90	
June	2.81	.64	2.59	1.77	2.01	1.74	2.63	4.93	2.24	1.60	
July	2.28	2.80	1.63	2.86	2.63	3.82	4.34	1.88	1.11	2.79	
August	2.68	5.14	4.28	3.24	3.48	3.97	2.20	3.56	3.33	.96	
September....	2.67	3.71	1.14	1.59	.38	1.00	3.93	1.88	2.61	3.54	
October	2.65	2.07	4.35	2.47	3.01	2.40	3.20	1.52	4.78	1.19	
November....	4.76	2.79	1.79	.89	2.33	2.71	1.10	1.73	5.37	2.41	
December	2.53	3.48	.97	2.12	1.95	2.85	5.81	3.51	1.63	2.50	
TOTALS	28.34	27.71	25.07	21.87	30.30	27.18	28.29	28.14	27.81	29.83	27.454

1881-1914 rec'd 6.1X.15 ent'd 12 X. 15 -

N.B. Annual values 1881-1903 cut out as too low in working average for Rainfall Survey.

RAINFALL AT Gupar Fife & Kinross Asylum

Lat. _____ Lon. _____ County of Fife
 Rain Gauge, by _____ Observer Dr Turnbull

Open - 3.

Diameter	5										
Height	0 4										
Altitude	210										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.34	1.20	1.84	1.06	4.70	2.31	.76	.46	.90	3.50	1.907
February ....	.50	.66	1.41	2.29	6.23	.68	.52	1.03	.47	2.24	1.603
March	1.12	3.48	.24	.84	2.51	3.11	1.78	3.90	.64	1.62	1.924
April .....	.68	1.30	.85	.79	2.08	1.54	1.09	1.17	3.06	2.57	1.513
May	1.49	1.69	2.42	.77	3.14	.91	.50	1.23	3.16	3.92	1.923
June	1.55	.93	3.96	1.35	1.72	1.52	2.25	4.49	1.93	.77	2.047
July .....	.97	1.59	1.07	1.95	3.73	3.66	4.43	1.50	.48	2.35	2.173
August	2.34	3.30	3.67	3.46	2.59	2.91	1.88	2.86	1.83	.44	2.528
September....	1.97	3.39	1.92	1.89	.45	.75	5.51	1.85	2.19	2.67	2.259
October	1.79	3.53	3.56	2.24	4.36	1.93	2.24	1.51	7.60	1.65	3.041
November....	4.24	2.16	1.23	2.34	3.06	3.04	.82	2.05	5.11	2.78	2.683
December	1.26	5.04	.74	2.03	1.38	3.64	4.66	3.79	2.56	2.43	2.753
TOTALS	20.25	28.27	22.91	21.01	35.95	26.00	26.44	25.84	29.93	26.94	26.354

1890 Springfield Church 1 mile W
 Stumps 8 ft high 30 ft S 1880
 1891 Gauge moved Sept 100 yards E

RAINFALL AT *Kilmany Mountquhanie House*

Lat.

Lon.

County of *Fife*

Rain Gauge, by

Observer *D. Gillespie Esq*

Eden tc - 3.

Diameter	3											
Height	1 3											
Altitude	240											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.10	.80	1.40	1.20	3.00	1.80	.50	1.50	.70			
February	1.50	.00	2.10	3.00	4.80	.40	1.00	1.70	.30			
March	2.60	3.20	.90	.70	1.10	2.60	1.00	3.30	.30			
April .....	.10	1.40	.70	.90	1.40	1.00	.70	1.40	3.00			
May	2.10	2.10	2.80	.80	3.50	.50	.20	.70	2.00			
June	2.90	1.10	3.30	1.50	2.40	1.40	2.40	6.70	1.70			
July	3.00	2.70	1.30	2.80	2.70	3.80	4.20	1.20	.90			
August	3.30	5.30	5.40	3.20	5.60	4.50	1.50	3.50	3.60			
September....	3.00	2.30	1.30	2.00	.10	.20	4.50	1.30	2.10			
October	2.30	3.50	4.30	2.10	4.00	1.20	3.00	1.60	6.20			
November....	4.60	3.20	1.80	1.10	1.70	2.00	.80	1.70	6.30			
December	2.30	4.50	.80	2.30	1.80	2.70	5.90	3.50	1.30	<i>obs dead</i>		
TOTALS	30.80	30.10	26.10	21.60	32.10	22.10	25.70	28.10	28.40	31.32	27.632	

Balmerino

1892 Kilmany Church 3 miles E

1899 Balmerino figures used.

RAINFALL AT Balmerino

Lat. _____ Lon. _____ County of Fife

Rain Gauge, by _____ Observer Col F J Stuart Gray
Firth of Tay - Lt.

Diameter								5			
Height								1 3			
Altitude								60			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								1.87	.71	3.72	
February ....								.91	.64	2.24	
March								3.74	.43	1.57	
April								1.46	3.37	2.74	
May								1.29	2.14	4.23	
June								5.37	1.87	1.63	
July								1.56	1.40	2.56	
August								3.66	3.35	.98	
September....								1.39	1.91	3.99	
October								1.98	5.59	1.20	
November....								1.92	4.62	2.48	
December								3.40	1.35	3.98	
TOTALS								28.55	27.38	31.32	

1897 Balmerino Church 1 mile E
 Cottage 30 ft high 40 ft E

RAINFALL AT *Jayport*

Lat.

Lon.

County of *Fife*

Rain Gauge, by

Observer *D. Cunningham Esq*
G.C. Buchanan Esq &c.

Firth of Tay - 4.

Diameter	5											
Height	10											
Altitude	27											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.67	.83	1.54	1.20	2.17	2.37	.44	1.36	.60	3.43	1.661	
February	1.17	.10	1.11	2.30	4.25	.73	.68	.74	.55	2.35	1.398	
March	1.60	2.20	.59	.87	1.28	2.07	1.09	3.19	.31	1.79	1.499	
April .....	.55	.94	.74	1.28	1.41	1.08	.94	1.49	3.28	3.33	1.504	
May	1.83	2.17	3.02	1.20	2.89	.62	.74	1.33	1.63	4.22	1.965	
June	3.01	.86	2.90	1.95	2.09	1.32	2.15	4.90	1.45	1.67	2.230	
July	3.45	3.27	1.56	3.73	3.17	3.25	3.94	1.83	.84	2.77	2.781	
August	3.13	4.72	4.86	3.04	4.33	4.37	1.80	3.09	3.40	.48	3.322	
September	2.83	3.73	1.22	1.57	.17	.33	3.31	1.38	1.87	2.52	1.893	
October	2.10	2.93	3.85	2.53	3.11	1.34	2.45	1.86	4.43	.81	2.541	
November	4.70	2.94	1.98	1.20	1.21	2.35	.68	1.48	4.02	2.32	2.288	
December	2.11	3.66	.85	1.97	1.50	2.74	4.90	2.93	1.24	3.90	2.580	
TOTALS	29.15	28.35	24.22	22.84	27.58	22.57	23.12	25.58	23.62	29.59	25.662	

RAINFALL AT Inchkeith

Lat.

Lon.

County of Fife

Rain Gauge, by

Observer Board of Northern LightsInsular - 6.

Diameter ....	...									
Height .....	...									
Altitude	<u>160</u>										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.85	.35	.23	.14	.74	1.38	.68	.58	1.14	6.82	1.391
February ....	.90	.00	.38	.75	4.80	.45	.66	1.51	.48	1.20	1.113
March .....	.90	3.30	.20	.38	.89	1.22	1.38	2.76	.48	2.14	1.365
April .....	.80	.10	.12	.68	1.70	.87	.86	.56	1.61	4.26	1.156
May	1.78	1.53	1.10	1.65	1.76	.70	.65	1.23	1.83	3.65	1.588
June	1.99	.25	1.54	.85	2.34	1.88	3.57	4.38	1.23	.80	1.883
July	1.60	2.10	.43	1.20	2.39	3.26	4.03	.58	.58	3.37	1.954
August	1.97	2.15	3.11	1.53	3.52	4.58	1.51	5.76	1.49	.55	2.617
September....	1.75	2.12	.86	1.70	.08	.43	4.50	2.98	2.23	2.73	1.938
October	2.40	1.03	2.41	.54	2.31	2.10	2.96	.85	2.58	1.19	1.837
November....	4.60	.91	1.25	1.43	1.08	1.67	.72	3.05	3.25	3.05	2.101
December ....	.93	1.15	.34	1.39	1.10	1.94	3.58	3.56	3.89	3.50	2.138
TOTALS	21.47	?									
	14.99	11.97	12.24	22.71	20.48	25.10	27.80	20.79	33.26	21.081	?

1891 Unreliable

1892 "

1893 & 4 "

N.B. Annual values 1881-1927 omitted from Rainfall Survey as doubtful.

RAINFALL AT *Isle of May*

Lat. Lon. County of *Fife*

Rain Gauge, by Observer *Board of Northern Lights*

Island - 6.

Diameter ....	...									
Height .....	...									
Altitude ....	...									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.96	(.50)	.88	.86	.73	1.17	.27	.50	.54	3.11	
February ....	.88	.17	.91	1.08	2.22	.15	.55	.65	.25	1.65	
March	1.10	1.60	(.30)	.65	.75	1.48	1.02	1.91	.27	1.55	
April .....	.19	.66	.65	.83	.56	.96	.50	.80	1.77	3.31	
May	1.94	2.21	1.85	1.28	2.09	.36	.82	.62	1.68	2.55	
June	2.29	.85	2.76	1.30	1.97	1.05	1.75	3.54	.22	1.40	
July	2.25	1.98	1.64	3.26	3.53	3.12	2.50	2.02	1.04	1.35	
August	2.66	1.41	3.47	2.00	1.91	3.50	2.15	2.06	2.05	.26	
September ....	.76	2.63	.91	2.25	.38	.68	2.12	1.60	.85	2.15	
October	2.69	1.02	2.96	2.10	2.21	3.15	2.62	1.00	3.95	1.50	
November	4.19	1.28	1.61	.53	1.26	1.38	.73	1.35	2.90	1.40	
December	1.05	3.23	.77	1.51	1.33	1.98	3.21	2.65	.72	2.28	
TOTALS	21.96	(17.54)	(18.71)	17.65	18.94	18.98	18.24	18.70	16.24	22.51	

18947

N.B. Annual values 1881-1927 omitted from Rainfall Survey as doubtful.

5507

RAINFALL AT Loch Dhu

Lat. Lon. County of Perth

Rain Gauge, by Observer J. M. Hale Esq. C.E.
Forth, R. bank - 1.

Diameter	8										
Height	0 6										
Altitude	325										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	16.20	7.70	7.90	6.40	15.00	2.70	5.80	1.90	7.70	11.00	8.230
February	1.90	2.60	3.90	9.90	19.40	.90	4.30	6.90	8.90	7.40	6.610
March	6.40	7.30	1.90	3.20	8.60	5.80	9.80	10.20	3.40	7.10	6.370
April	3.00	3.00	2.50	1.90	2.70	6.90	3.70	5.90	6.10	7.10	4.280
May	4.20	3.40	7.00	3.70	3.70	.80	.80	4.00	2.90	4.10	3.460
June	7.40	3.50	6.40	2.80	3.60	2.70	5.20	7.00	4.00	3.40	4.600
July	5.50	2.60	4.20	4.10	4.90	6.80	5.50	4.50	1.90	4.10	4.410
August	5.10	9.00	9.90	8.20	4.80	9.60	3.10	12.00	8.40	2.60	7.270
September....	8.30	10.20	9.70	4.40	.00	3.00	8.00	5.20	7.30	6.60	6.270
October	5.80	10.60	6.20	9.10	5.50	3.50	4.70	5.40	7.10	7.50	6.540
November....	13.20	8.90	8.40	6.30	9.60	11.40	3.00	6.50	10.30	14.40	9.200
December	1.50	13.70	4.30	11.80	8.60	10.00	9.50	10.50	17.20	7.70	9.480
TOTALS	78.50	82.50	72.30	71.80	86.40	64.10	63.40	80.00	85.20	83.00	76.720

1870 -

RAINFALL AT Monteith Cardross

Lat. Lon. County of Perth

Rain Gauge, by Observer H. D. Erskine Esq
Fork, L. bank - 2. W. Cassin

Diameter											
Height	<u>1.6</u>										
Altitude	<u>120</u>										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	<u>5.20</u>										
February	<u>6.10</u>										
March	<u>4.30</u>										
April	<u>2.40</u>										
May	<u>4.80</u>										
June	<u>3.40</u>										
July	<u>5.20</u>										
August	<u>4.00</u>										
September	<u>5.10</u>										
October	<u>4.10</u>										
November	<u>6.10</u>										
December	<u>5.10</u>										
TOTALS	<u>55.80</u>										

1890 Port of Monteith Church 2 miles N W
 Plant House 12 ft high 10 ft N

RAINFALL AT

Donne Gartincaber

Lat.

Lon.

County of

Perth

Rain Gauge, by

Observer

G. B. Murdoch Esq

Forth, L. bank - 2.

Diameter			5									
Height			10	1	0							
Altitude			200									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January			* 3.11	2.21	6.06	1.58	1.89	1.26	3.14	7.42		
February			1.56	4.49	9.80	.45	1.89	2.87	3.29	2.94		
March .....			.97	1.44	3.07	2.75	3.45	4.38	1.17	3.28		
April .....			.77	1.31	1.28	2.37	2.47	1.59	4.05	3.94		
May			4.23	3.59	2.09	.80	.54	2.34	2.90	4.42		
June			4.08	1.73	3.67	3.83	5.33	5.90	2.92	1.94		
July			2.56	3.23	3.38	5.68	3.35	2.33	1.34	3.77		
August			8.97	3.73	4.91	7.63	2.20	4.53	5.29	1.24		
September			5.27	2.02	.23	1.48	4.65	3.03	5.30	4.15		
October			3.53	4.26	3.07	3.22	3.24	2.32	4.98	3.27		
November			3.63	2.77	3.46	6.17	1.33	3.42	4.34	5.43		
December			1.60	5.13	3.27	4.62	5.08	5.55	5.90	4.33		
TOTALS			40.28	35.91	44.29	40.58	35.42	39.52	44.62	46.13		

1892 Donne Church 2 1/2 Miles E

1893 Jan 7th Gauge raised 2 inches

RAINFALL AT Aberfoyle

Lat. Lon. County of Perth

Rain Gauge, by Observer J. M. Gale Esq. C.E.
Fork, L. bank - 2.

Diameter	8										
Height	0 6										
Altitude	60										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	11.15	5.65	6.60	2.90	8.80	2.45	3.70	2.05	5.75	9.45	5.850
February	1.20	1.25	2.20	7.35	15.35	.40	2.85	6.00	5.80	6.45	4.885
March	4.35	4.25	1.95	1.95	6.30	5.10	6.45	8.55	2.05	6.00	4.695
April	1.75	2.65	1.30	1.70	1.75	3.35	2.75	3.60	4.25	5.55	2.865
May	3.60	2.50	6.40	3.20	2.25	1.05	.60	2.65	2.35	4.20	2.880
June	4.95	1.65	4.90	2.25	3.35	2.90	4.85	6.90	2.85	2.35	3.695
July	4.25	2.30	4.00	3.35	3.30	5.80	4.35	3.25	1.85	4.70	3.715
August	3.55	6.50	8.80	5.15	5.05	9.10	2.55	8.75	6.60	1.80	5.785
September....	6.55	7.10	7.75	2.85	.05	1.55	8.45	3.90	5.64	4.40	4.824
October	3.45	6.60	6.00	5.85	4.05	2.80	4.15	3.45	5.31	5.40	4.706
November	9.80	6.65	6.45	3.90	6.75	7.80	1.90	5.60	8.30	6.70	6.385
December	1.55	10.75	2.25	10.15	7.80	6.65	8.30	8.20	11.95	5.85	7.345
TOTALS	56.15	57.85	58.60	50.60	64.80	48.95	50.90	62.90	62.70	62.85	57.630

1860 -

RAINFALL AT *Ledard*

Lat.

Lon.

County of *Perth*

Rain Gauge, by

Observer *J. M. Gale Esq. C.E.*

Forth, L. tank - 2.

Diameter ....	...										
Height	<i>8.6</i>											
Altitude	<i>1500</i>											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	<i>6.00</i>	<i>3.15</i>	<i>3.05</i>	<i>3.20</i>	<i>6.30</i>	<i>1.25</i>	<i>2.55</i>	<i>1.30</i>	<i>4.50</i>	<i>7.00</i>	<i>6.825</i>	
February	<i>.75</i>	<i>1.25</i>	<i>1.40</i>	<i>4.15</i>	<i>7.00</i>		<i>2.55</i>	<i>5.00</i>	<i>2.35</i>	<i>5.50</i>		
March	<i>2.75</i>	<i>1.80</i>	<i>1.70</i>	<i>1.65</i>	<i>2.90</i>	<i>3.45</i>	<i>5.25</i>	<i>6.10</i>	<i>4.30</i>	<i>4.00</i>	<i>3.390</i>	
April	<i>1.80</i>	<i>1.90</i>	<i>1.60</i>	<i>1.50</i>	<i>2.45</i>	<i>4.70</i>	<i>2.10</i>	<i>3.55</i>	<i>5.50</i>	<i>5.20</i>	<i>3.030</i>	
May	<i>4.75</i>	<i>3.15</i>	<i>5.90</i>	<i>3.70</i>	<i>3.05</i>	<i>.75</i>	<i>.70</i>	<i>2.75</i>	<i>2.95</i>	<i>4.05</i>	<i>3.175</i>	
June	<i>7.15</i>	<i>2.85</i>	<i>6.95</i>	<i>2.50</i>	<i>4.05</i>	<i>2.80</i>	<i>5.55</i>	<i>7.35</i>	<i>4.25</i>	<i>3.60</i>	<i>4.705</i>	
July	<i>5.90</i>	<i>2.75</i>	<i>4.65</i>	<i>4.80</i>	<i>5.75</i>	<i>6.25</i>	<i>6.20</i>	<i>4.45</i>	<i>2.00</i>	<i>6.65</i>	<i>4.940</i>	
August	<i>4.90</i>	<i>9.70</i>	<i>10.40</i>	<i>7.90</i>	<i>5.50</i>	<i>10.80</i>	<i>3.25</i>	<i>10.70</i>	<i>7.95</i>	<i>2.30</i>	<i>7.340</i>	
September	<i>6.60</i>	<i>8.80</i>	<i>7.45</i>	<i>3.15</i>	<i>.15</i>	<i>2.85</i>	<i>7.85</i>	<i>4.45</i>	<i>7.75</i>	<i>5.00</i>	<i>5.405</i>	
October	<i>3.45</i>	<i>9.60</i>	<i>5.30</i>	<i>4.15</i>	<i>5.40</i>	<i>2.70</i>	<i>3.10</i>	<i>4.05</i>	<i>4.90</i>	<i>5.20</i>	<i>4.785</i>	
November	<i>9.90</i>	<i>6.80</i>	<i>6.80</i>	<i>3.90</i>	<i>6.70</i>	<i>7.60</i>	<i>1.85</i>	<i>5.35</i>	<i>5.60</i>	<i>7.55</i>	<i>6.205</i>	
December	<i>.80</i>	<i>5.25</i>	<i>2.20</i>	<i>5.35</i>	<i>5.30</i>	<i>4.10</i>	<i>7.40</i>	<i>5.10</i>	<i>9.60</i>	<i>5.45</i>	<i>5.055</i>	
TOTALS	<i>54.75</i>	<i>57.00</i>	<i>57.40</i>	<i>45.95</i>	<i>54.55</i>	<i>47.25</i>	<i>48.35</i>	<i>60.15</i>	<i>61.65</i>	<i>61.50</i>	<i>54.855</i>	

Winter months defective throughout vs. VII. 15

1870 -

RAINFALL AT Ochtertyre [Stirling]

Lat. Lon. County of Perth

Forth, Perth - 3. Rain Gauge, by Observer Cap Dundas R.N.

Diameter					5						
Height					10						
Altitude					18						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	8.51	2.70	3.50	2.45	7.83	1.47	2.43	1.35	2.75	4.50	
February	0.75	0.48	0.75	5.18	11.69	.80	1.87	3.14	3.27	2.67	
March	2.65	3.08	0.00	0.84	3.47	2.59	3.52	4.98	1.13	1.83	
April	1.50	1.90	1.80	1.28	1.81	2.51	2.60	2.50	4.05	3.31	
May	2.61	1.52	4.68	1.75	2.69	.75	.51	2.41	2.50	3.42	
June	3.61	1.55	2.90	1.93	2.20	4.00	4.15	5.32	2.35	1.50	
July	3.88	1.65	1.92	5.09	2.10	5.40	3.49	1.55	1.30	.70	
August	3.62	4.60	5.62	2.41	2.48	7.27	2.37	5.23	4.89	1.05	
September....	4.91	5.00	4.86	2.12	.18	1.55	4.31	2.17	4.85	1.75	
October	2.50	5.28	4.53	2.84	3.78	3.37	3.65	2.79	4.38	2.30	
November....	7.35	3.50	4.19	2.32	3.10	6.43	1.10	3.25	5.90	5.38	
December	1.57	7.18	1.57	5.46	3.58	4.79	5.57	5.72	5.92	1.95	
TOTALS	43.46	38.44	36.32	33.67	45.01	40.93	35.57	40.41	43.29	30.36	

(40.00)

Lineardune in Montrose Ch 2 1/2 miles N.W.

1899 Record 10.10 inches short. Estd. (40.00) for Glasgow Water. VIII. 1913.

1890-1893 received from MO Edinburgh November 1937 - late, sp.

RAINFALL AT *Lanrick castle*

Lat.

Lon.

County of *Perth*

Rain Gauge, by

Observer *Mr J Begg*

Form, Perth - 3.

Diameter	3											
Height	1 0											
Altitude	190?											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	8.20	3.65	3.60	3.15	8.50	1.85	2.40	1.70	5.25	7.45	4.575	
February ....	.80	.75	1.85	5.90	13.30	.50	2.20	4.40	4.60	3.65	3.795	
March	3.65	3.75	1.05	2.30	4.30	3.55	3.65	6.50	2.30	3.85	3.490	
April	1.70	1.20	.90	1.05	1.00	2.30	2.30	1.85	4.50	4.25	2.105	
May	2.40	2.50	4.50	2.85	2.50	.80	.45	2.95	3.20	4.10	2.625	
June	4.20	1.45	4.45	2.25	3.40	3.25	3.55	6.65	2.60	1.75	3.355	
July	4.10	1.35	2.70	3.05	3.45	4.50	2.90	1.75	1.45	3.15	2.840	
August	3.70	5.85	8.30	4.95	5.35	7.70	2.10	4.95	4.95	1.10	4.895	
September....	5.60	5.25	6.70	1.95	.30	1.60	4.85	3.05	6.20	4.45	3.995	
October	3.90	4.50	4.70	5.00	2.90	2.85	3.10	2.30	5.60	4.10	3.895	
November....	7.40	4.00	4.45	2.85	3.90	6.40	1.40	4.25	5.70	6.30	4.665	
December	1.50	7.90	2.20	6.50	4.15	5.40	5.30	6.15	8.50	4.50	5.210	
TOTALS	47.15	42.15	45.40	41.80	53.05	40.70	34.20	46.50	54.85	48.65	45.445	

1897 Kilnadock Church 2 3/4 miles E

1860 -

RAINFALL AT Loch Drunkie

5510

Lat. Lon. County of Perth

Rain Gauge, by Observer J. M. Gale Esq. C.L.
Form, 2eith - 3.

Diameter	8										
Height	0 6										
Altitude	420										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	12.45	5.50	6.30	3.95	10.00	1.35	3.65	1.45	7.50	9.10	6.125
February	1.15	1.65	2.50	8.30	14.10	.50	2.90	6.30	6.80	5.90	5.010
March	5.15	3.85	2.50	2.05	6.90	4.70	7.40	8.40	2.70	5.90	4.955
April	2.20	2.40	1.90	1.60	1.60	4.30	2.80	3.75	4.90	7.00	3.245
May	3.50	2.60	5.80	2.80	2.80	.60	.60	3.60	2.70	4.10	2.910
June	6.40	2.10	5.90	2.10	3.80	2.70	5.00	7.50	3.30	2.60	4.140
July	5.00	2.00	4.75	2.35	4.50	5.50	4.40	3.80	1.50	4.20	3.800
August	5.00	8.15	9.50	7.30	5.35	8.90	3.00	9.80	7.35	1.90	6.625
September....	7.70	8.40	8.10	2.50	.00	2.50	7.30	4.00	7.05	5.40	5.295
October	4.80	6.95	5.40	7.80	3.60	3.35	4.15	3.40	5.60	6.70	5.175
November	10.05	7.50	6.70	3.65	6.65	7.95	2.25	6.20	7.00	8.35	6.630
December	1.60	9.80	3.40	9.30	6.20	6.80	8.50	9.20	14.00	5.60	7.440
TOTALS	65.00	60.90	62.75	53.70	65.50	49.15	51.95	67.40	70.40	66.75	61.350

1870 -

RAINFALL AT Loch Vennachar

Lat. Lon. County of Perth

Rain Gauge, by Observer J. M. Gale Esq. C.E.
Fork, Leith - 3.

Diameter	8											
Height	0 6											
Altitude	275											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	9.70	5.60	4.90	3.60	8.15	1.45	3.35	1.70	4.30	8.10	5.085	
February ....	.80	1.40	2.00	6.50	10.60	.45	3.20	4.50	5.30	5.40	4.015	
March	4.20	3.60	2.00	1.80	5.25	4.80	6.50	7.20	2.00	5.35 5.55	4.240 4.290	
April	2.10	2.00	1.90	1.70	1.50	3.90	3.00	3.30	3.65	5.70	2.875	
May	3.10	3.00	5.40	2.30	2.50	.70	.70	3.00	2.20	4.10	2.700	
June	5.70	1.80	5.50	2.30	3.50	2.50	4.70	6.70	3.30	2.80	3.880	
July	4.55	2.10	3.75	3.60	3.70	5.50	3.90	2.70	1.35	3.60	3.475	
August	4.20	7.30	9.40	5.40	5.45	8.90	2.55	8.10	6.70	2.00	6.000	
September....	6.40	7.50	7.00	2.30	.10	2.10	6.80	3.80	6.00	4.20	4.620	
October	3.75	6.35	4.90	5.80	3.80	3.00	4.00	2.80	4.80	4.70	4.390	
November....	9.00	6.80	6.30	3.80	5.65	6.40	1.90	5.15	6.00	6.00	5.700	
December	1.40	8.70	2.90	7.30	6.20	5.30	7.45	7.00	9.30	5.35	6.090	
TOTALS	54.90	56.15	55.95	46.40	56.40	45.00	48.05	55.95	54.90	57.20 57.50	53.100 53.120	

1899. March corrected by J. R. Sutherland xii.14

RAINFALL AT Bridge of Turk

Lat. Lon. County of Perth

Rain Gauge, by Observer J. M. Gale Esq. C.R.
Form, Perth - 3.

Diameter	8										
Height	0 6										
Altitude	275										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	12.40	7.35	6.20	3.95	12.05	2.15	4.05	1.80	5.40	8.60	6.395
February	1.20	1.65	2.55	8.15	14.95	.50	2.90	5.35	6.30	6.05	4.960
March	4.65	4.10	2.20	2.00	6.95	4.70	7.50	8.60	2.40	5.55	4.865
April	2.50	2.50	2.00	1.40	2.00	4.90	3.00	4.40	4.80	5.80	3.330
May	3.50	2.65	5.35	2.60	2.40	.65	.60	3.05	2.70	3.80	2.730
June	6.45	2.00	5.95	2.45	3.25	2.20	3.95	6.15	3.55	2.90	3.885
July	5.40	2.20	3.95	2.65	4.75	5.35	4.05	3.80	1.60	4.10	3.785
August	4.75	8.20	9.50	6.75	4.65	8.75	2.65	9.60	6.55	1.80	6.320
September	6.60	8.50	8.05	2.90	.10	2.35	6.80	3.90	6.20	4.80	5.020
October	4.20	8.10	5.20	7.10	4.10	2.90	4.05	3.55	5.50	5.50	5.020
November	10.65	7.65	7.40	4.00	7.25	8.05	2.25	5.70	8.55	7.60	6.910
December	1.45	10.60	3.40	9.15	6.85	7.10	8.15	8.60	12.40	5.65	7.335
TOTALS	63.75	65.50	61.75	53.10	69.30	49.60	49.95	64.50	65.95	62.15	60.555

RAINFALL AT *Callander The Gart*

Lat. Lon. County of *Perth*

Rain Gauge, by Observer *C.C. Anishe Esq*
Form, Fein - 3. *C. Douglas Esq*

Diameter	5											
Height	0 7											
Altitude	250											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	10.20	5.63	6.91	1.54	9.53	1.59	5.04	1.68	4.53	9.65	5.630	
February	2.20	1.48	2.90	8.90	14.01	.01	2.61	5.83	5.85	4.81	4.860	
March	4.51	4.27	1.73	2.05	9.40	4.56	6.97	8.08	3.25	2.10	4.692	
April .....	.71	1.29	1.55	1.28	1.31	3.32	2.39	3.42	4.54	8.54	2.835	
May	2.49	2.89	4.98	2.44	2.08	1.11	1.48	2.34	2.38	3.06	2.525	
June	5.34	1.10	4.00	1.26	3.49	2.47	4.62	7.52	3.30	.89	3.399	
July	2.91	2.20	4.08	4.87	3.06	5.73	3.51	2.94	1.69	6.39	3.738	
August	5.53	5.33	6.50	5.38	6.89	9.30	2.60	5.33	3.11	.52	5.049	
September....	4.10	6.38	6.57	2.19	.46	2.12	5.45	4.92	5.58	5.15	4.292	
October	5.26	7.71	8.83	5.48	1.65	2.76	6.31	3.90	8.46	4.17	5.453	
November....	8.81	5.55	4.80	3.01	7.22	8.10	2.99	3.50	7.59	9.72	6.129	
December	2.65	7.38	5.00	10.74	5.64	5.53	7.65	9.94	11.81	3.60	6.994	
TOTALS	54.71	51.21	57.85	49.14	64.74	46.60	51.62	59.40	62.09	58.60	55.596	

1892 Callander Church 1 1/2 miles ^{NW} W
 1893 House 60 ft high 450 ft S W

1880 -

RAINFALL AT Balquhadden Stronvar

Lat.

Lon.

County of Perth

Rain Gauge, by

Observer J. Dickson Esq
J. Carnegie Esq

Form, Feith - 3.

Diameter	6											
Height	1 0											
Altitude	422 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	18.40	6.64	7.37	5.68	14.92	3.31	4.82	2.54	7.64	9.63	8.095	
February	1.51	2.01	2.88	8.92	16.79	.99	4.00	8.13	8.70	6.83	6.076	
March	6.36	5.86	2.27	2.59	7.55	5.01	8.79	11.12	3.25	7.06	5.986	
April	2.58	2.91	1.75	1.44	2.27	7.20	3.59	5.47	6.97	6.80	4.098	
May	3.28	2.65	5.69	3.71	3.08	1.00	.85	4.47	2.67	4.20	3.160	
June	7.24	2.58	5.05	2.51	3.51	2.42	5.59	5.74	3.28	2.34	4.026	
July	5.15	2.86	4.43	3.95	5.78	5.58	4.62	3.71	1.67	4.58	4.233	
August	3.66	8.08	10.80	6.12	4.99	8.65	3.49	11.93	6.91	2.08	6.671	
September	7.35	9.07	10.01	4.54	.21	2.94	7.90	5.49	7.39	7.30	6.220	
October	6.52	12.89	6.24	7.23	4.61	2.94	7.18	5.33	6.84	7.22	6.700	
November	11.80	7.51	8.96	4.24	8.62	11.68	3.12	5.82	10.62	13.73	8.610	
December	1.43	13.04	3.22	10.68	8.62	9.10	10.52	10.94	18.01	5.53	9.109	
TOTALS	75.28	76.10	68.67	61.61	80.95	60.82	64.47	80.69	83.95	77.30	72.984	

1891 Balquhadden 1/2 mile N
Trees 40ft high 60ft NE

1880 —

RAINFALL AT Balgubidden Blaircrach
Lat. _____ Lon. _____ County of Perth
Rain Gauge, by _____ Observer J Carnegie Esq
Forth, Leith - 3.

Diameter							5				
Height									10		
Altitude							460				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							5.42	2.89	9.52	9.22	
February							4.06	8.34	10.23	3.19	
March							10.15	14.14	4.29	6.23	
April							5.18	6.19	8.59	5.30	
May							1.20	5.11	2.55	3.68	
June							4.86	6.65	4.33	2.45	
July							6.40	4.62	2.68	4.85	
August							4.44	11.80	8.96	2.94	
September							10.20	7.31	10.11	8.65	
October							6.80	5.99	8.73	8.35	
November							4.10	6.04	10.20	9.02	
December							11.87	11.94	19.87	5.98	
TOTALS							74.68	91.02	100.06	69.86	

RAINFALL AT Dunblane Kippencross

Lat.

Lon.

County of Perth

Rain Gauge, by

Observer P. Stirling Esq

Form, L. bank - 14.

Diameter	3										
Height	0 4					10		1 3			
Altitude	150 π					300		150		240	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	8.00	2.65	3.10	2.20	10.75	2.48	1.70	1.70	2.94	(4.00) 9.40	4.49
February ....	.80	.35	2.10	4.45	9.60	.80	2.00	(2.50) 4.50	2.49	3.70	3.07
March	2.70	3.80	1.10	1.15	3.00	2.40	3.10	(5.05) 7.05	1.40	3.35	2.90
April	1.25	1.30	.80	.95	1.70	.05	2.30	(2.20) 3.80	3.58	4.15	4.88
May	1.60	2.10	3.80	2.60	2.30	.70	.50	2.00	2.30	3.90	2.180
June	3.70	1.05	4.10	2.05	2.90	5.60	4.10	6.40	3.18	2.70	3.548
July	3.50	3.00	2.30	2.65	2.85	4.80	4.00	1.90	1.43	4.10	3.053
August	3.60	5.30	6.90	4.10	3.15	8.50	2.70	6.00	4.50	1.25	4.600
September	4.20	5.00	3.75	1.60	.25	2.05	4.45	2.70	4.45	4.90	3.335
October	3.20	4.85	4.35	3.45	3.75	3.60	4.75	3.15	6.38	3.40	4.088
November	1.40	3.80	4.05	1.95	2.70	6.85	1.70	4.55	4.90	6.30	3.820
December	1.60	7.50	.45	2.25	3.50	7.80	7.10	6.85	5.25	4.10	4.640
TOTALS	35.55	40.70	36.80	29.40	46.45	45.63	38.40	50.60	42.80	(40.658) 51.25	41.758

7.61g
(4500)

7.61g
(45.85)

1897 & 1899 ^{parts} \wedge Estd (roughly) for Glasgow Water. VIII. 1913. 1860-

RAINFALL AT Sheriff Muir Lynns Farm

Lat. Lon. County of Perth

Rain Gauge, by Observer P Stirling Esq
Form, L. bank - 4.

Diameter ....	...	3										
Height	1	0										
Altitude	680									550		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.90	1.95	5.06	2.85	6.30	3.20	2.20	1.83	2.94	6.04	3.727	
February ....	.80	.70	1.55	3.85	10.60	.91	1.70	2.89	2.49	3.18	2.867	
March	1.85	1.65	.94	1.13	3.12	3.89	3.21	4.91	1.40	2.76	2.486	
April .....	.85	.40	.98	1.18	1.62	2.51	2.03	2.13	3.58	3.76	1.904	
May	1.25	1.68	3.85	2.92	2.12	.71	.85	1.96	2.30	3.38	2.102	
June	2.90	.85	4.40	2.40	2.95	3.75	4.05	5.36	3.18	2.25	3.209	
July	3.05	1.75	2.50	2.70	3.10	4.85	3.71	1.71	1.43	3.70	2.850	
August	3.20	5.70	6.60	4.00	5.60	8.25	2.65	5.50	4.50	1.57	4.757	
September	3.10	3.96	4.60	2.10	.32	1.54	4.22	3.28	4.45	5.10	3.267	
October	2.40	1.50	5.10	3.71	4.10	3.82	3.75	2.16	6.38	3.27	3.619	
November	4.90	2.35	4.15	2.40	2.82	5.45	1.43	3.48	4.90	5.10	3.698	
December ....	.90	4.15	1.40	4.70	3.38	5.26	5.82	5.56	5.25	3.78	4.020	
TOTALS	30.10	26.64	41.13	33.94	46.03	44.14	35.62	40.77	42.80	43.89	38.506	

bad
 1891 Gauge leaking
 1895 Dunblane Church 3 miles S

RAINFALL AT Dunblane Kippendavie

Lat.

Lon.

County of Perth

Rain Gauge, by

Observer

P. Stirling Esq
W. J. Anderson

Fork, L. bank - 4.

Diameter	3							8			
Height								29			
Altitude	362 T						400			300	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.60	2.76	3.23	2.29	11.20	2.58	2.09	1.54	2.97	3.21	3.847
February ....	.60	.36	2.19	4.64	10.00	.83	2.50	2.73	2.47	2.70	2.902
March	2.30	3.96	1.15	1.20	3.13	2.50	2.34	5.02	1.83	2.55	2.598
April .....	.60	1.35	.83	.99	1.77	.05	2.63	1.53	3.15	3.38	1.628
May	1.50	2.19	3.96	2.71	2.40	.73	.48	2.09	1.82	3.70	2.158
June	4.30	1.09	4.27	2.14	3.02	5.84	2.75	5.21	3.32	2.02	3.396
July	3.25	3.13	2.40	2.76	2.97	5.00	3.05	1.69	1.80	4.33	3.038
August	3.20	5.52	7.19	4.27	3.28	8.86	2.45	4.48	4.97	1.29	4.551
September	4.00	5.21	3.91	1.67	.26	2.14	3.54	2.97	4.50	4.19	3.239
October	3.10	5.05	4.53	3.60	3.91	3.75	2.91	2.08	5.33	4.17	3.843
November	5.90	3.96	4.22	2.03	2.81	7.14	1.31	3.23	5.31	4.99	4.090
December	1.20	7.82	.47	2.34	3.65	8.13	5.03	4.97	5.80	4.12	4.353
TOTALS	36.55	42.40	38.35	30.64	48.40	47.55	31.08	37.54	43.27	40.65	39.643

*

Observer dead

1891-95. * Computed from Kippinross for purposes of averages
Apr. 20. 1911.

RAINFALL AT Glendevon Glensherup
Lat. _____ Lon. _____ County of Perth
Rain Gauge, by _____ Observer A. W. Bell Esq. cl.
Fork, L. bank - 4.

Diameter										12	
Height								4	0	4	
Altitude								745	745		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								2.56	5.00	8.30	
February								6.00	5.60	4.80	
March								8.75	2.75	7.20	
April								5.22	3.60	7.26	
May								3.00	3.77	6.00	
June								6.70	4.11	2.43	
July								3.63	1.44	4.50	
August								9.00	6.40	1.65	
September . . .								4.22	7.00	4.16	
October								3.00	7.81	8.28	
November								6.46	9.00	5.55	
December								10.00	11.67	5.65	
TOTALS . . .								68.54	68.15	65.78	

Glendevon Church 3 miles NE

RAINFALL AT

Dunblane

L Crombie Gardens

Lat.

Lon.

County of

Perth

Rain Gauge, by

Observer

Mr W.D. Mori

Forth, L. bank - 4.

Diameter			5								
Height			10								
Altitude			450		430						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			3.75	3.08	6.07						
February			2.83	8.22	9.63						
March .....			.87	1.70	3.58						
April			1.32	2.09	1.48						
May			5.34	2.19	2.83						
June			6.00	2.92	3.17						
July			3.80	2.64	3.42						
August			12.23	4.31	6.23						
September....			6.76	2.37	.36						
October			6.51	3.80	2.27						
November			4.32	2.52	3.98						
December			3.00	6.19	2.80						
TOTALS			56.73	42.03	45.82						

RAINFALL AT Braco Nether Cambushinnie

Lat. Lon. County of Perth

Rain Gauge, by Tooth, L. bank - 4. Observer Col Stirling
J.W. Stirling Esq

Diameter								8		5	
Height								29		10	
Altitude						550				380	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								1.33		6.35	
February								3.89		3.00	
March								7.04		3.65	
April								2.14		3.58	
May								2.00		4.49	
June								5.57		2.16	
July								3.50		4.09	
August								5.54		1.36	
September....								4.46		5.40	
October								2.20		4.71	
November								4.30		5.75	
December								6.15		4.73	
TOTALS						46.63	33.88	48.12	No observed	49.27	

Braco Church 2 miles E

RAINFALL AT

Abernethy

Lat.

Lon.

County of

Perth

Rain Gauge, by

Observer

D^r Buchan F.R.S.

Tag - Sam - 7.

Diameter											
Height											
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January						2.95	.99	3.60	1.41	5.43	
February ....						.50	.76	2.97	1.10	3.34	
March						2.54	3.32	5.13	.38	3.00	
April						1.25	1.61	2.23	3.99	3.90	
May .....						.34	.35	1.64	2.86	4.40	
June						1.29	3.07	5.73	1.75	2.00	
July						4.24	4.22	1.24	.73	3.46	
August						5.81	2.57	3.18	3.06	.41	
September....						1.18	4.72	2.38	3.47	4.76	
October						2.29	3.31	1.88	6.53	1.85	
November....						3.45	.98	2.14	6.76	3.70	
December						4.23	4.77	4.88	3.39	3.87	
TOTALS						30.07	30.67	37.00	35.43	40.12	

RAINFALL AT Edinchip, Balquhadder

Lat. $5^{\circ} 22' 22''$ N Lon. $4^{\circ} 18' 15''$ W County of Perth

Howan Rain Gauge, by

Observer John Campbell

Gay, Jan - 7.

Gardner

Diameter	5 inch										
Height	12 inches										
Altitude	⁵³⁸ 542 feet										
Year	1910 1911	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	8.59 4.73						2.11	6.63	9.86		
February	8.61 11.95						6.62	8.79	5.55		
March	5.08 2.47						11.87	3.94	5.49		
April	7.07 5.25						4.59	6.97	5.87		
May	2.93 4.70						3.62	3.97	4.16		
June	3.71 4.16						6.23	3.14	2.54		
July	6.88 3.78						3.73	2.00	4.75		
August	11.40 6.74						10.52	6.34	1.84		
September	1.64 2.54						5.67	8.03	5.91		
October	4.03 5.14						4.86	6.70	6.55		
November	4.37 10.50						5.98	9.33	14.87		
December	10.69 14.51						10.77	15.15	5.71		
TOTALS	74.40 76.47						76.48	80.49	73.10		

Entered 18.XI.13.

80.99

1898. Dec. cor. by surr. stats. Total corrected also for aith.

18.XI.13.

Original sheet received from Obsr. 18.I.13.

RAINFALL AT Comrie Dalginross

Lat. _____ Lon. _____ County of Perth

Rain Gauge, by _____ Observer J. Mc Rostie Esq
Tag. No. - 7.

Diameter	5										
Height	0 5										
Altitude	200 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	12.68	4.52									
February	1.11	.58									
March	3.45	2.63									
April	1.70	2.60									
May	2.31	2.53									
June	4.56	1.34									
July	4.20	2.27									
August	2.92	5.63									
September....	3.60	6.40									
October	2.52	7.65									
November....	7.73	5.80									
December	1.27	9.92									
TOTALS	48.05	51.87									

1890 Comrie Church 1/2 Mile NW by N
Thermometer Screen 5 ft high 6 ft E.N.E

RAINFALL AT Lockearnhead Andoverlich

Lat.

Lon.

County of Perth

Rain Gauge, by A. N. Stores

Observer Col Stewart

Tag. Earn - 7.

Diameter	5										
Height	12 0								1. 2		
Altitude	321										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	12.64	4.79	4.99	5.20	13.19	3.69	3.62	2.87	4.88	9.35	6.522
February	1.20	1.60	5.43	7.99	10.33	.30	2.36	4.10	6.94	6.79	4.704
March	4.18	3.81	1.41	1.93	9.00	3.73	7.11	13.66	2.42	5.15	5.240
April	2.79	5.34	.96	1.23	4.08	5.77	2.77	6.68	9.75	6.09	4.546
May	2.78	3.74	5.04	2.19	3.76	1.56	.50	5.00	3.43	4.12	3.212
June	4.67	1.41	5.43	2.18	2.16	2.67	5.08	5.30	2.47	2.30	3.367
July	4.12	3.28	2.97	3.86	3.10	4.97	4.79	2.56	1.19	3.63	3.447
August	4.09	5.87	8.39	3.79	5.64	6.87	2.96	9.70	4.89	2.29	5.449
September	3.85	7.99	7.13	3.04	.33	2.04	6.63	3.80	6.63	4.85	4.629
October	5.72	13.60	6.40	4.84	3.88	2.25	7.88	4.75	6.48	4.05	5.985
November	11.01	9.61	8.97	4.08	9.98	11.95	2.29	4.55	7.51	11.35	8.130
December	1.26	11.24	2.14	9.35	6.14	7.65	9.71	9.70	12.46	4.51	7.416
TOTALS	58.31	72.28	59.26	49.68	71.59	53.45	55.70	72.67	69.05	64.48	62.647

On the S side of Loch Earn midway between St Fillans and Loch Earnhead.

1899 Balquhiddan Church 7 miles N.W.

House 35 ft high 60 ft N

RAINFALL AT *Griffith Ochtertys*

Lat.

Lon.

County of *Perth*

Rain Gauge, by

Observer *Mr. G. Boucher*

Tag, East - 7.

Diameter	5											
Height	30											
Altitude	326 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	8.08	2.29	2.98	2.23	6.62	2.72	2.03	2.07	2.24	6.33	3.459	'
February	1.06	.58	1.75	4.73	7.96	.44	1.13	2.63	1.90	4.60	2.678	'
March	2.08	2.66	1.16	.95	3.87	2.70	3.42	5.86	.78	3.55	2.703	
April	1.37	1.86	.58	.96	1.54	1.97	1.21	2.64	4.46	3.24	1.983	
May	2.07	2.90	3.43	1.23	2.28	1.23	.52	2.20	2.68	3.81	2.235	'
June	3.48	1.34	4.30	3.15	2.91	2.33	4.46	6.74	1.80	2.11	3.262	
July	3.60	1.93	1.78	2.90	3.34	3.64	3.81	1.20	.75	3.63	2.658	'
August	2.63	5.55	5.85	4.17	5.77	6.92	1.57	7.04	3.81	1.65	4.496	'
September	2.03	4.93	2.68	1.15	.21	1.75	6.11	2.01	3.97	4.68	2.952	
October	3.49	6.17	4.68	2.52	3.18	2.05	3.35	3.25	5.41	2.74	3.684	
November	6.94	5.12	3.86	2.88	4.51	6.12	.90	3.37	5.69	7.06	4.645	'
December	1.13	5.97	1.08	4.06	3.83	5.08	6.24	5.54	6.21	4.72	4.386	'
TOTALS	37.96	41.30	34.13	30.93	46.02	36.95	34.75	44.55	39.70	48.12	39.441	

1890 Moneyward Church 1 mile W

Shrubs 7 feet high 25 ft W + SW

1880-

1894 Gauge moved 8th May 18 feet SE

RAINFALL AT *St Fillans Portmore*

Lat.

Lon.

County of *Perth*

Rain Gauge, by

Observer *Miss E. M. Mackintosh*

Tag. bar - 7.

Diameter							5				
Height							6				
Altitude							333T				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							2.99	3.11	2.96	8.32	
February							1.98	3.23	4.62	6.23	
March							5.36	10.47	1.29	4.04	
April							2.34	5.20	7.04	4.51	
May .....							.55	3.01	3.42	4.48	
June							5.34	5.70	2.46	2.68	
July							4.36	1.71	1.07	2.65	
August							2.53	8.15	4.64	2.22	
September....							7.21	3.40	4.82	3.78	
October							5.86	4.19	5.41	4.00	
November....							1.48	4.23	6.01	10.83	
December							7.15	8.57	9.56	5.13	
TOTALS . . .							47.15	60.97	(53.30)	(58.87)	

Dundurn Church 3 furlongs E

1896 + 97 Gauge apparently in a slightly different position in summer & winter

1898 June 15 G moved 1/4 mile SE & back again(?) on Oct. 26th

1899 Nov. 14 " " 1/8 " E

RAINFALL AT Perth Rosebank

Lat.

Lon.

County of Perth

Rain Gauge, by

Observer Dr Buchanan

Almond &c - 8.

J. F. Pullen &c.

Diameter ....	...										
Height .....	...										
Altitude	140											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.85	1.56	2.11	1.82	3.91	3.10	1.09	1.86	1.56	4.46	2.532	
February	1.43	.17	2.60	4.08	6.62	1.06	.99	1.44	1.60	2.72	2.271	
March	2.82	1.67	.96	1.25	2.37	2.24	1.84	4.64	.47	2.57	2.083	
April .....	.93	2.41	.58	1.41	1.31	1.18	1.18	1.79	2.55	2.99	1.633	
May	1.65	2.67	3.26	.66	2.73	.95	.51	1.53	4.49	4.46	2.291	
June	3.98	.60	3.21	2.16	3.40	2.28	3.15	4.60	1.84	2.09	2.731	
July	4.16	3.04	1.93	2.61	3.76	4.22	3.91	1.71	1.40	3.76	3.050	
August	2.71	4.60	4.69	2.90	6.26	7.07	2.63	2.86	2.35	1.22	3.729	
September....	3.13	2.63	3.24	1.26	.22	1.10	4.64	1.75	2.48	3.35	2.380	
October	2.34	3.40	4.91	2.26	4.43	2.14	3.61	2.17	6.78	1.54	3.358	
November....	5.62	3.79	2.11	.95	1.12	4.73	1.07	2.03	5.26	3.09	2.977	
December	2.26	4.15	.82	2.38	2.19	4.25	5.73	4.19	3.12	3.43	3.252	
TOTALS	34.88	30.69	30.42	23.74	38.32	34.32	30.35	30.57	33.90	35.68	32.287	

RAINFALL AT Perth Huntingtower Field

Lat. _____ Lon. _____ County of Perth
 Rain Gauge, by _____ Observer Mr A Bayne
Almond TC - 8.

Diameter	6										
Height	1 0										
Altitude	40										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.10	.80	1.70	1.10	4.40	2.00	1.10	1.20	1.70		
February	1.20	.20	1.40	3.00	7.40	.50	1.70	1.50	.80		
March	2.40	2.20	.80	.70	2.10	1.80	1.60	4.30	.50		
April . . . . .	.50	1.60	.30	.70	1.30	1.20	1.10	1.00	3.50		
May	1.70	2.30	2.90	.60	2.40	.70	.20	1.40	2.80		
June	2.50	.20	2.90	3.00	2.50	1.30	3.70	4.50	2.20		
July	3.10	2.80	1.40	2.40	3.50	4.40	3.80	1.00	.30		
August	2.10	4.60	6.20	2.50	5.30	5.60	1.90	3.30	2.80		
September	3.10	2.30	2.30	1.40	.30	.80	4.10	2.20	2.70		
October	1.80	2.50	4.90	2.70	3.30	1.90	2.90	1.90	4.80		
November	4.90	3.60	2.00	1.40	1.60	4.10	1.50	2.10	4.30		
December	2.10	4.80	1.30	2.90	2.70	4.20	4.50	3.70	3.40		
TOTALS	30.50	27.90	28.10	22.40	36.80	28.50	28.10	28.10	29.80	32.00	29.220

1899 estimated from Kinfarns & Rosebank

RAINFALL AT Dunkeld Inver Braan

Lat. Lon. County of Perth

Rain Gauge, by Observer Per JMB Murdoch
Jay, Braan - 10.

Diameter ....	...										
Height	10											
Altitude	⁴⁵⁰⁰ 500?											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	9.23	2.39	3.00	1.91	12.74 (3.72)	1.95	3.07	.86	6.40			
February	1.44	.32	1.56	5.09	10.49 (1.04)	1.08	2.72	2.08	5.20			
March	2.89	2.65	1.00	.95	2.67	1.99	2.75	8.26	.47	8.36		
April	1.62	2.26	.50	1.34	1.80	2.07	.47	3.82	5.54	3.60		
May	2.41	2.41	2.84	1.19	3.44	.59	.77	2.50	1.92	4.11		
June	3.46	.67	3.74	2.29	2.90	2.54	2.83	6.15	1.73	3.07		
July	3.83	3.08	1.59	3.35	3.92	3.65	4.17	1.06	.20	2.78		
August	2.36	6.57	4.88	4.39	6.22	5.84	2.13	5.61	2.89	1.50		
September	3.39	2.81	2.29	1.39	.14	1.67	5.03	1.51	4.09	4.00		
October	2.18	6.46	2.95	3.15	4.51	1.95	4.64	3.11	3.49	2.07		
November	6.39	4.58	4.76	2.09	5.20	6.31	.63	3.08	5.51	7.94		
December	1.29	5.61	.97	3.54	5.52	5.39	7.26	4.88	6.69	7.49		
TOTALS	40.49	39.81	30.08	30.68	59.55 (36.76)	33.71	45.77	35.47	56.52	38.00	*	

1894 Total nearly 15 inches too big. A wrong measure was used for part of the year but does not account for the discrepancy.
 1899 20 inches too big vitiated by snow drifts

Apr 1892 estimated

* Computed (without 1894 & 1899) from Cuff, Ochertyne, Perth, Rosbank, Comhar Angus and Donavonid

RAINFALL AT Killin Auchmore Gardens

Lat..... Lon..... County of Perth

Tag - 12. Rain Gauge, by Observer A.O. Worthington, M.F. Cant

Diameter										5	
Height							1 - 0				
Altitude							400				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								1.80	5.98	8.41	
February								5.27	7.23	5.03	
March								10.68	2.64	4.73	
April								5.20	6.58	5.34	
May								4.44	3.12	3.49	
June								7.70	2.87	2.41	
July								3.27	1.24	3.20	
August								7.09	4.55	1.76	
September....								4.22	5.72	5.43	
October								4.45	5.53	4.83	
November							# 1.99	4.28	8.21	11.25	
December							7.65	8.14	12.44	4.51	
TOTALS								66.54	66.11	60.39	

1897 Killin Church 1 mile W

RAINFALL AT Ballinluig

Lat. _____ Lon. _____ County of Perth

Rain Gauge, by _____ Observer Mr J Morrison
Jay, Tammell - 14.

Diameter					5						
Height					10						
Altitude					2501						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January					# 5.85	3.75	1.36	1.68	1.37		
February					6.94	.94	.99	1.99	2.40		
March					2.18	1.47	2.30	5.85			
April					1.77	1.78	1.14	2.59			
May					2.07	.44	.62	1.46			
June					1.92	1.72	3.42	4.95			
July					2.64	2.59	2.79	1.06			
August					4.68	6.44	1.88	6.55			
September....					.12	1.34	3.81	2.25			
October					3.32	2.02	1.93	2.92			
November....					2.61	5.57	.94	2.65			
December					3.18	5.13	6.08	(4.00)			
TOTALS					37.28	33.19	27.26	(37.95)	No Reply		

1894 Logierait Ch 1 mile S.W.
 Gauge moved Dec 1st 10 yards NE
 1895 March Gauge moved back to original position

RAINFALL AT Pitlochry Donavoured

Lat. Lon. County of Perth

Float Rain Gauge, by Brown of Glasgow Observer W. Maxwell Esq
 Jay, Tammel -14.

Diameter	6										
Height	1 6		1.3		7						
Altitude	450				400						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.15	2.15	2.50	2.20	5.80	4.10	1.60	1.60	1.60	4.00	3.140
February	1.55	.30	1.50	3.80	6.80	.50	.80	1.90	2.70	2.72	2.254
March	3.35	3.40	.40	.70	2.30	1.00	2.50	5.50	.70	1.91	2.146
April	1.10	2.25	.20	.90	1.20	1.00	1.30	1.90	3.90	4.03	1.778
May	1.60	1.95	2.00	.80	2.00	.50	.60	1.50	1.90	2.91	1.546
June	2.20	.80	2.50	1.70	2.70	1.80	3.50	5.50	1.60	1.67	2.397
July	3.10	3.00	2.30	2.90	3.20	3.00	2.60	1.90	.90	2.58	2.548
August	2.10	4.55	3.70	3.20	4.00	6.00	1.80	5.30	2.80	.91	3.436
September	2.40	2.55	2.40	1.40	.10	1.30	3.40	1.80	3.50	4.52	2.337
October	3.35	4.80	3.80	2.90	2.20	2.40	2.10	2.70	4.80	1.92	3.097
November	5.00	4.20	3.20	2.10	2.30	4.90	1.00	2.50	5.60	5.53	3.633
December ....	.75	4.70	1.00	3.80	2.70	4.70	5.80	4.70	5.20	4.07	3.742
TOTALS	32.65	34.65	25.50	26.40	35.30	31.20	27.00	36.80	35.20	36.77	32.147

RAINFALL AT Pitlochry Farganerin

Lat. Lon. County of Perth

Rain Gauge, by Observer J. Renny Esq
Gay. Summit - 14.

Diameter				5				5			
Height				1 0				1 - 0			
Altitude				350				300			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	7.05	2.69	1.89	2.41	5.37			1.13	1.85		
February	1.02	.71	1.73	4.15	7.49			2.47	3.30		
March	3.47	4.16	.56	.93	2.35			5.47	.78		
April	1.46	2.46	.48	2.09	1.07			2.09	4.05		
May	2.28	2.55	2.76	.99	1.85			1.60	1.74		
June	3.00	.95	2.17	2.00	2.61			5.21	1.79		
July	3.30	3.75	2.22	2.79	3.28			1.83	1.01		
August	2.53	4.88	4.28	4.37	4.15			5.62	2.79		
September....	3.12	3.32	2.51	1.42	.17			1.90	3.54		
October	3.70	4.71	3.93	3.26	1.95			2.66	4.60		
November....	5.69	4.37	3.32	2.20	3.25			3.02	4.74		
December ....	.90	4.84	1.45	3.65	2.40			4.74	5.70		
TOTALS	37.52	39.39	27.30	30.26	35.94	(34.00)	(29.50)	37.74	35.89	(40.00)	(34.754)

* *

*

Church 1/4 mile N
House 35 ft high 75 ft N

* Computed from Donnanour. v. 12

RAINFALL AT Rannoch Gauer River

Lat. Lon. County of Perth

Rain Gauge, by Observer Mess^{rs} Lucas & Aird
Jay. Tummel - 14. W. Granger Esq

Diameter											
Height											
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			6.22	3.82	8.19						
February			3.31	3.92	11.03						
March			1.09	2.67	8.80						
April			1.63	3.07	.87						
May		[#] 2.44	6.50	2.16	2.08						
June		1.61	3.44	2.60	3.06						
July		4.99	5.44	4.04	2.87						
August		4.74	8.27	4.99	[#]						
September		9.32	9.22	4.81							
October		7.07	4.61	7.32							
November		4.76	3.64	4.07							
December		10.35	3.77	9.63							
TOTALS			57.14	53.10							

RAINFALL AT Blair Athol The Store

Lat.

Lon.

County of

Perth

Rain Gauge, by

Observer

Mr A. Cameron

Gay. Tammel - 14

Diameter		5										
Height		10										
Altitude		420										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	7.69	2.05	2.57	2.20	7.30	2.68	1.99	1.10	1.82	4.17	3.357	
February	1.13	.45	1.41	4.15	7.42	.60	1.06	2.05	3.20	2.52	2.399	
March	2.88	2.41	.56	.83	3.14	1.14	2.93	4.52	.57	1.97	2.095	
April	1.76	1.63	.66	1.21	1.04	2.02	1.82	2.28	3.48	3.67	1.957	
May	1.87	1.88	2.67	.87	1.44	.35	.68	1.74	1.54	2.80	1.584	
June	2.62	.96	2.27	1.81	1.84	2.33	3.12	1.44	2.26	1.86	2.051	
July	2.79	2.65	2.07	2.11	2.79	3.45	2.15	1.70	.97	2.89	2.357	
August	2.04	5.17	4.25	3.70	4.04	6.23	1.54	7.36	3.25	.90	3.848	
September	2.43	2.41	3.49	1.65	.22	1.35	3.72	1.82	3.53	4.44	2.506	
October	2.74	4.78	3.64	3.01	2.44	2.54	2.91	2.10	4.17	1.41	2.974	
November	4.76	3.50	3.48	2.81	2.33	4.95	.97	2.26	3.37	4.86	3.329	
December ....	.93	5.09	1.04	4.02	3.16	3.91	4.94	4.57	6.20	3.35	3.721	
TOTALS	(3364)	32.98	28.11	28.37	37.16	31.55	27.83	32.94	34.36	34.84	(32.178)	

Method of computing 1890.

Each month reduced from Inverbracken ratio $\frac{83}{100}$ } averaged
 Delnaspindal = $\frac{57}{100}$

NB The agreement (in 80's + 90) between the values from the two was remarkable on the whole es. 21. x 0.9

RAINFALL AT Dalnaspidal H.R.S

Lat. Lon. County of Perth

Rain Gauge, by Observer The Station Agent
Jay, Tummel - 14.

Diameter	5										
Height	30										
Altitude	1414 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	15.17	6.48	7.17	4.12	11.92	3.93	4.93	3.03	5.86		
February	2.07	1.79	2.65	7.59	14.82	1.31	3.30	5.49	7.88		
March	6.57	5.18	1.33	2.61	6.21	4.87	6.26	9.70	3.44		
April	4.28	2.44	2.15	2.11	2.36	4.46	3.56	3.92	5.82		
May	3.43	3.81	5.38	1.51	3.81	1.36	1.27	4.23	3.62		
June	4.65	1.74	4.80	2.34	2.86	2.57	4.65	5.76	3.81		
July	4.68	4.19	3.98	5.54	4.84	4.90	3.96	2.98	#		
August	4.18	5.32	7.60	5.69	6.48	7.13	3.19	9.56			
September	4.01	7.85	8.38	4.48	.55	2.57	8.19	5.49			
October	7.17	7.69	6.68	6.86	3.79	4.53	7.61	5.06			
November	8.28	5.99	6.57	4.26	6.56	9.18	2.15	4.72			
December	1.54	10.18	3.78	10.06	7.16	8.11	8.84	9.07			
TOTALS	66.03	62.66	60.47	57.17	71.36	54.92	57.91	69.01			

1890 Blairathole Church 16 ^{miles} ~~yards~~ SE
 House 20 ft high 36 ft N

RAINFALL AT *Coupar Angus Station*

Lat.

Lon.

County of *Perth*

Rain Gauge, by

Observer *Mr J. Robertson*

Day, Date - 15.

Diameter	5											
Height	13											
Altitude	183T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.91	1.17	1.69	1.18	3.55	3.02	.86	1.49	.95	3.57	2.139	
February ....	.93	.15	1.81	3.05	5.22	.72	.81	1.21	1.05	2.89	1.784	
March	1.93	2.50	.59	.83	1.29	1.75	1.45	4.54	.35	1.83	1.706	
April .....	.51	2.27	.55	.72	1.50	1.08	.82	1.83	3.53	2.82	1.563	
May	1.50	1.60	2.92	1.03	2.83	.58	.55	1.71	1.88	3.78	1.838	
June	2.90	.64	2.46	1.87	2.42	2.77	2.42	4.22	1.59	1.41	2.270	
July	3.38	4.03	1.51	2.85	2.93	4.30	3.37	1.18	.63	2.09	2.627	
August	2.05	4.82	3.99	2.29	4.96	6.81	1.24	4.08	2.61	.57	3.342	
September	2.98	1.76	1.95	1.10	.18	1.07	4.27	1.43	2.33	4.19	2.126	
October	2.06	3.92	3.80	2.30	3.89	1.81	2.14	1.75	5.21	1.06	2.794	
November	6.53	4.13	1.90	1.63	1.90	3.59	.85	2.23	4.98	2.83	3.057	
December	1.77	2.95	.93	2.55	1.78	3.70	4.83	3.47	2.75	4.10	2.883	
TOTALS	30.45	29.94	24.10	21.40	32.45	31.20	23.61	29.14	27.86	31.14	28.129	

1890 Coupar Angus 400 yards S E
 Hedge & Bushes 4ft + 2ft high 9 ft N + S

RAINFALL AT Meigh Arthurstone Garden

Lon.

County of _____

Perth

Rain Gauge, by

Observer

Late P. Carmichael Esq

Gay, Isla - 15.

[illegible]

RAINFALL AT Ballinhuir House

Lat. Lon. County of Kerr

..... Rain Gauge, by Observer Miss M. A. MacDonald
Jay, Isla - 15.

Diameter											
Height											
Altitude										600ft	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January											
February											
March											
April											
May											
June											
July											
August											
September ....										.75	
October										5.69	
November										1.65	
December											
TOTALS . . .											

Kirkmichael Ch. $3\frac{3}{4}$ miles N.W.

RAINFALL AT Perth Kinfauns Castle Gardens

Lat. Lon. County of Perth

Rain Gauge, by Observer Col F J Stewart Gray
Tag, L. bank - 16 .

Diameter									5		
Height									13		
Altitude									20		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January									1.02	3.87	
February ....									.83	2.34	
March .....									.37	1.89	
April									3.77	2.55	
May									2.84	4.18	
June									1.61	1.81	
July .....									.97	3.17	
August									2.96	1.06	
September									2.37	3.56	
October									5.69	1.41	
November									4.56	3.12	
December									2.73	3.76	
TOTALS . . .									29.72	32.72	

Kinfauns Church 1 mile E
House 40 ft high 35 ft N

RAINFALL AT *Kinfauns Castle*

Lat. *56° 23' 30" N*

Lon. *3° 22' 14"*

County of *Porth*

Rain Gauge, by

Observer

Lt. Col. F. J. Stuart Gray

Jay, L. bank - 16.

Diameter						5					
Height						16.0					
Altitude						150					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . . .							.86	1.34	1.01	3.69	
February . . . .							.72	1.01	.61	2.13	
March							1.35	3.03	.34	1.97	
April . . . . .							.94	1.37	3.51	2.59	
May . . . . .							.41	1.42	2.75	3.72	
June							2.57	3.98	1.57	1.76	
July							3.66	1.00	1.00	3.12	
August						<i>#</i> 6.75	2.38	2.17	2.85	1.06	
September . . . .						.85	4.24	1.55	2.31	3.47	
October						1.89	3.03	1.81	5.58	1.27	
November						3.28	.69	1.71	4.26	2.77	
December						3.16	4.31	3.19	2.46	3.65	
TOTALS							25.16	23.58	28.25	31.20	

Kinfauns Church 1 Mile E
Corner of Castle 40 ft high 20 ft N

RAINFALL AT *Scone, Lignwood*

Lat.

Lon.

County of

Perth

Rain Gauge, by

Observer

Peter Campbell, Esq.

Jay. L. bank - 16.

Diameter			5								
Height			- 5								
Altitude			200								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			3.75	1.86	3.50	2.65	.75	2.00	1.05	3.75	
February			3.02	3.64	5.10	.40	.75	1.10	.75	2.60	
March .....			.75	.72	1.60	1.90	1.55	4.10	.40	2.00	
April .....			.45	1.05	.95	1.05	.75	1.30	2.80	2.50	
May			3.27	.02	2.36	1.10	.40	1.10	2.45	3.25	
June			3.10	1.53	2.00	2.20	2.40	4.15	1.75	1.30	
July			1.45	2.50	4.00	2.90	3.65	1.32	1.22	3.50	
August			4.60	2.10	4.95	6.75	2.22	2.25	2.50	1.20	
September....			1.15	1.05	.15	1.85	6.12	1.40	2.24	3.30	
October			4.25	2.40	4.00	.63	1.50	1.75	5.65	2.85	
November....			1.65	1.05	1.20	3.55	1.65	1.75	5.00	1.10	
December ....			.65	2.00	1.75	3.85	4.50	3.50	2.70	4.00	
TOTALS			28.09	19.92	31.56	28.83	26.24	25.72	28.51	31.35	

1892 - 1909 recd. 4 ~~VI~~ 10; entd 26 ~~VII~~ 12

RAINFALL AT Loch Katrine Tunnel Hill Top

Lat. _____ Lon. _____ County of Perth

Rain Gauge, by _____ Observer Jm Gale Esq. C.E.
Form, Perth - 3.

Diameter	8											
Height	0 6											
Altitude	830											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	15.50	7.60	8.70	7.70	19.70	2.30	7.70	2.50	8.50	10.30	9.050	
February	1.80	3.20	2.20	10.90	24.30	.70	5.60	8.70	8.20	7.20	7.280	
March	7.60	5.20	2.20	3.90	9.00	5.90	10.30	12.40	3.60	7.00	6.710	
April	3.10	3.60	2.30	2.40	3.10	6.30	4.60	5.70	7.60	7.00	4.570	
May	4.30	2.70	6.60	4.20	4.30	1.10	.70	4.00	2.80	3.90	3.460	
June	8.30	3.00	6.80	2.40	3.70	2.80	5.30	6.50	3.80	2.90	4.550	
July	6.10	3.00	4.70	3.90	5.00	7.00	5.60	4.60	1.90	4.20	4.600	
August	4.50	11.00	9.50	7.70	5.50	11.50	4.80	11.50	8.20	2.90	7.710	
September	9.50	7.90	11.00	5.70	.00	3.60	8.40	5.90	8.40	6.30	6.640	
October	6.40	13.00	7.40	10.30	5.90	3.80	6.30	6.40	6.80	7.30	7.360	
November	13.90	9.60	9.90	7.40	13.30	13.80	3.80	7.10	10.10	16.40	10.530	
December	1.80	13.80	5.00	14.60	10.50	10.10	10.60	11.60	18.70	7.50	10.420	
TOTALS	82.80	83.60	76.30	81.10	104.30	68.90	73.70	86.90	88.60	82.90	82.910?	

g. overexposed to S.W. spring but little es. VII. 13

1870 —

RAINFALL AT *Between Glen Finlas & Ben Ledi*

Lat. Lon. County of *Perth*

Rain Gauge, by *Fork, Leith - 3.*

Observer *Jm. Gale Esq. C.E.*

Diameter	8											
Height	0 6											
Altitude	1800											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS,	
January	5.70	2.80	2.40	2.80	4.80	} .70	2.50	.90	3.70	5.50	} 5.710	
February	1.75	1.10	.60	4.60	5.60		2.40	2.95	1.90	4.40		
March	2.60	1.50	1.10	1.70	1.80	2.70	3.80	5.00	1.50	3.00	2.470	
April	1.85	1.50	1.30	1.60	1.60	4.30	1.90	2.60	4.60	4.60	2.585	
May	3.70	3.15	5.00	3.15	2.50	.95	.50	2.50	2.70	4.50	2.865	
June	6.00	2.30	6.00	2.80	3.50	2.20	5.60	6.30	3.00	3.10	4.080	
July	5.00	2.80	3.60	3.40	4.90	6.00	5.40	2.80	1.55	3.90	3.925	
August	5.40	8.00	10.00	5.00	5.40	8.50	2.70	8.50	6.00	1.70	6.120	
September....	5.50	6.10	4.70	2.20	.10	2.00	6.60	3.00	6.00	4.20	4.040	
October	3.20	7.80	4.90	5.15	3.70	2.80	2.80	2.80	4.50	3.50	4.115	
November....	9.30	5.60	5.30	3.30	5.50	6.40	1.40	3.20	4.60	5.40	5.000	
December	1.50	4.80	2.10	4.40	4.40	3.90	5.70	5.00	7.00	4.50	4.330	
TOTALS	51.50	47.45	47.00	40.10	43.80	40.45	41.30	45.55	47.05	48.30	45.250	

g. over imposed & record walkies es. VII.12

1870-

RAINFALL AT Callander Leny

Lat.

Lon.

County of Perth

Rain Gauge, by

Observer J.B. Hamilton Esq

Form, Fein - 3.

Diameter	3										
Height	0 4										
Altitude	345 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	12.90	5.00	5.80	2.80	11.00	1.50	3.20	1.60	5.70	8.30	
February ....	.70	1.00	1.80	7.30	15.60	.00	2.40	6.00	4.60	4.20	
March	4.60	3.90	1.30	1.40	6.30	5.50	6.00	9.60	1.80	6.05	
April	1.50	1.10	1.00	.50	.70	2.50	2.20	3.10	4.20	5.30	
May	2.10	1.20	4.30	1.90	1.90	.00	.00	lost	1.20	3.00	
June	6.10	1.30	5.00	1.90	3.00	1.30	4.00	8.60	2.50	2.00	
July	3.70	1.80	3.70	2.40	3.00	4.60	3.00	2.60	.75	3.00	
August	4.20	7.80	8.80	5.80	5.20	6.20	1.60	8.70	6.60	1.30	
September....	6.90	7.30	7.20	2.30	.00	1.80	6.60	3.20	6.40	5.20	
October	5.20	5.90	3.80	6.40	4.00	3.00	3.50	2.30	5.70	5.05	
November....	8.20	7.40	6.00	4.30	6.40	7.50	2.00	6.20	8.00	7.50	
December	1.00	9.30	2.20	9.00	6.30	7.60	7.40	7.20	12.00	3.30	
TOTALS	57.10	53.00	50.90	46.00	63.40	41.50	41.90	(61.44)	59.45	54.20	(52.889)

1894 Callander 1 mile E

may 1897 = Callander, The Cairns

RAINFALL AT Glen Gyle

Lat. Lon. County of Perth Perth

Rain Gauge, by Observer J. M. Gale Esq. C.E.
Form - Perth - 3.

Diameter ....	...										
Height .....	...										
Altitude	380											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	15.60	8.40	11.20	6.90	21.50	2.40	6.00	1.70	11.70	11.70	9.710	
February	1.10	2.90	2.50	10.90	23.20	1.50	5.30	10.10	11.80	8.10	7.670	7.740
March	9.40	6.20	.90	4.10	8.90	9.50	10.50	12.50	4.20	9.90	7.610	
April	3.30	3.70	2.50	2.50	2.10	4.70	4.40	7.50	9.50	8.10	4.830	
May	4.70	2.40	11.50	3.00	2.50	3.10	1.30	3.50	2.30	3.60	3.690	
June	10.00	5.40	5.70	4.10	3.40	3.40	4.90	7.80	4.50	5.80	5.500	
July	9.20	2.30	3.90	6.80	6.20	5.90	5.10	7.10	2.10	5.80	5.440	
August	7.40	11.50	13.60	10.90	5.80	11.00	4.40	12.20	11.40	2.90	9.110	
September....	9.80	15.10	13.60	7.80	.00	6.20	11.70	6.10	10.10	10.00	9.040	
October	9.20	14.10	7.20	13.60	5.40	4.10	6.40	6.60	8.10	13.50	8.820	
November....	14.20	10.00	12.70	6.20	11.90	13.30	4.00	6.40	13.80	(18.70)	11.120	
December	1.20	12.40	4.30	15.10	10.80	9.10	13.20	14.60	22.70	8.10	11.150	
TOTALS	95.10	94.40	89.60	91.90	101.70	74.20	76.20	96.10	112.20	106.20	93.860	93.760

1893 Feb. } Corrected by originals XII. 14
1896 May }
1899 Nov. estimated.

RAINFALL AT Inverarity Manse

Lat.

Lon.

County of Forfar

Rain Gauge, by

Observer

Rev P Stevenson

Tag, Isla - 1.

Diameter		5									
Height		1 - 0									
Altitude		300T									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			2.09	1.49	4.18	3.85	.87	1.88	.97	4.50	
February		(4.50)	2.68	4.79	6.91	2.05	.76	1.32	.99	2.97	
March			1.27	1.09	1.72	2.73	2.04	5.90	.50	2.03	
April	#	1.64	1.39	1.18	1.93	1.43	.87	2.58	4.98	3.86	
May		2.15	2.47	1.15	3.59	.53	.70	1.62	2.13	3.96	
June .....		.80	3.45	3.03	1.98	1.81	2.43	4.07	1.49	1.30	
July		2.84	1.82	2.84	2.84	4.09	3.94	1.45	.72	1.85	
August		(9.00)	4.60	2.66	4.26	4.47	1.51	4.11	3.08	.60	
September....			1.80	2.36	.24	.82	4.78	1.13	2.16	2.23	
October		4.97	6.00	2.89	4.19	1.65	3.37	2.25	5.83	4.02	
November		5.36	3.30	1.77	2.85	3.78	.89	2.29	6.26	3.24	
December		3.79	.54	2.32	2.45	4.34	7.95	4.11	2.43	5.10	
TOTALS		35.05	31.41	27.57	37.14	31.55	30.11	32.71	31.54	35.66	(33.00)*

Inverarity Church 400 yards SE

Plane tree 12 ft high 12 ft N

Silver fir 15 " 21 " W

1891 Jan to Mar, Aug & Sept estimated

* Computed from Craigston, Crombie & Lintvath

RAINFALL AT Glamis Castle

Lat. Lon. County of Forfar

Jay, Isla - 1. Rain Gauge, by Observer Mr J Wilson

Diameter									5		
Height									16		
Altitude									250		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....									.89	4.52	
February									1.18	2.97	
March .....									.52	2.05	
April									4.52	3.47	
May									2.08	3.86	
June									2.09	1.21	
July .....									.82	2.01	
August									2.40	.61	
September									2.02	3.18	
October									4.07	2.10	
November									5.29	3.13	
December									2.82	3.94	
TOTALS								30.41	28.70	33.05	

RAINFALL AT Kircemuir Lintathen

Lat. Lon. County of Forfar

Rain Gauge, by Observer J. Watson Esq. C.E.
E. Baxter Esq.

July, 1880 - 1.

Diameter	<u>8</u>										
Height	<u>1 0</u>										
Altitude	<u>700</u>										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	<u>4.63</u>	<u>2.16</u>	<u>2.39</u>	<u>1.87</u>	<u>4.83</u>	<u>3.33</u>	<u>1.40</u>	<u>1.80</u>	<u>1.40</u>	<u>4.50</u>	<u>2.831</u>
February	<u>1.53</u>	<u>.33</u>	<u>2.26</u>	<u>3.34</u>	<u>5.76</u>	<u>.90</u>	<u>1.20</u>	<u>1.80</u>	<u>1.50</u>	<u>4.10</u>	<u>2.272</u>
March	<u>1.95</u>	<u>2.28</u>	<u>.63</u>	<u>1.07</u>	<u>2.01</u>	<u>2.32</u>	<u>2.20</u>	<u>5.10</u>	<u>.60</u>	<u>2.40</u>	<u>2.056</u> ✓
April	<u>.95</u>	<u>1.86</u>	<u>.81</u>	<u>1.18</u>	<u>1.81</u>	<u>1.42</u>	<u>1.30</u>	<u>2.30</u>	<u>5.20</u>	<u>4.10</u>	<u>2.093</u>
May	<u>2.12</u>	<u>2.16</u>	<u>2.80</u>	<u>1.18</u>	<u>3.20</u>	<u>.61</u>	<u>.80</u>	<u>1.60</u>	<u>1.40</u>	<u>2.30</u>	<u>1.817</u> ✓
June	<u>3.44</u>	<u>.36</u>	<u>4.30</u>	<u>1.91</u>	<u>2.89</u>	<u>2.00</u>	<u>3.00</u>	<u>4.00</u>	<u>1.60</u>	<u>1.40</u>	<u>2.490</u>
July	<u>4.22</u>	<u>3.58</u>	<u>2.10</u>	<u>3.23</u>	<u>2.83</u>	<u>4.02</u>	<u>3.80</u>	<u>1.30</u>	<u>.90</u>	<u>1.90</u>	<u>2.788</u> ✓
August	<u>2.58</u>	<u>4.23</u>	<u>4.68</u>	<u>3.50</u>	<u>4.23</u>	<u>6.61</u>	<u>1.70</u>	<u>5.90</u>	<u>3.00</u>	<u>.90</u>	<u>3.733</u>
September....	<u>2.47</u>	<u>3.04</u>	<u>2.39</u>	<u>1.78</u>	<u>.56</u>	<u>1.70</u>	<u>4.80</u>	<u>1.70</u>	<u>2.70</u>	<u>3.80</u>	<u>2.494</u>
October	<u>3.14</u>	<u>4.72</u>	<u>5.45</u>	<u>2.67</u>	<u>3.15</u>	<u>2.27</u>	<u>1.90</u>	<u>2.00</u>	<u>5.30</u>	<u>1.50</u>	<u>3.210</u>
November	<u>5.66</u>	<u>4.43</u>	<u>3.40</u>	<u>2.10</u>	<u>4.43</u>	<u>4.08</u>	<u>1.80</u>	<u>2.70</u>	<u>4.60</u>	<u>3.70</u>	<u>3.690</u>
December	<u>.59</u>	<u>3.50</u>	<u>1.01</u>	<u>3.23</u>	<u>3.32</u>	<u>4.34</u>	<u>7.10</u>	<u>4.20</u>	<u>4.00</u>	<u>4.30</u>	<u>3.559</u> ✓
TOTALS	<u>33.28</u>	<u>32.65</u>	<u>32.22</u>	<u>27.06</u>	<u>39.02</u>	<u>33.60</u>	<u>31.00</u>	<u>34.40</u>	<u>32.20</u>	<u>34.90</u>	<u>33.033</u>

1880 -

RAINFALL AT *Kirriemuir Lintrathen Balnakeilly*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer *G. Baxter Esq. C.E.*

Jay, Isla - 1.

Diameter						8						
Height						1 - 0						
Altitude						700 π						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January							1.44	1.84	1.22	4.37		
February							1.01	1.59	1.51	3.99		
March							2.33	5.21	.52	1.91		
April							1.26	2.18	5.02	4.49		
May .....							.87	1.54	1.86	2.83		
June							3.24	4.15	1.71	1.50		
July							3.93	1.49	.89	1.86		
August							1.84	5.87	2.99	.78		
September....						# 1.70	4.97	1.57	2.60	2.55		
October						2.00	2.00	2.02	6.18	3.17		
November....						4.10	.73	2.72	4.69	3.75		
December						4.30	7.24	4.26	4.09	4.22		
TOTALS							30.86	34.44	33.28	35.42		

RAINFALL AT *Kinnemuir Lintashen Balnakeilly*

Lat. Lon. County of *Forfar*

Rain Gauge, by Observer *J. Watson Esq. C.E.*
G. Baxter Esq.

Day, Date - 1. Monthly

Diameter	8										
Height	10										
Altitude	700										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.75	1.65	2.70	2.15	5.05	4.35	1.40	2.30	1.20	4.50	3.005
February	1.75	.25	2.30	3.60	5.95	2.05	1.20	1.62	1.05	4.20	2.397
March	1.85	2.20	.50	.85	2.25	2.40	1.85	4.90	.60	2.50	1.990
April	1.10	1.90	.45	1.20	2.05	1.80	1.20	2.20	5.50	4.00	2.140
May	2.00	1.75	3.00	1.20	3.35	.60	.85	1.50	1.40	2.60	1.825
June	3.55	.56	3.45	1.95	2.80	2.40	3.10	3.90	1.30	1.30	2.431
July	4.00	3.45	2.15	3.05	3.05	4.65	3.85	1.55	.55	1.40	2.770
August	2.45	4.45	4.50	3.55	5.05	6.55	1.60	5.80	2.85	.70	3.750
September....	3.35	3.30	2.60	1.70	.40	1.60	4.10	1.65	2.45	3.80	2.495
October	2.10	4.50	5.30	2.85	4.65	2.00	1.97	2.10	6.10	1.00	3.257
November	5.75	4.40	3.35	2.05	2.90	4.00	.70	2.60	4.75	3.60	3.410
December	1.35	4.30	1.35	3.05	3.20	4.00	7.00	3.60	3.80	3.20	3.485
TOTALS	34.00	32.71	31.65	27.20	40.70	36.40	28.82	33.72	31.55	32.80	32.955

1880—

RAINFALL AT *Kinnemuir Lintrathen Brook Hill*

Lat. Lon. County of *Forfar*

Rain Gauge, by Observer *J. Watson Esq. Cl.
G. Baxter Esq.*

Gay, Isla - 1.

Diameter	<i>8</i>											
Height	<i>10</i>											
Altitude	<i>1500</i>											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	<i>5.00</i>	<i>1.90</i>	<i>2.05</i>	<i>2.05</i>	<i>5.15</i>	<i>3.05</i>	<i>1.30</i>	<i>1.10</i>	<i>1.90</i>	<i>2.20</i>	<i>2.570</i>	
February	<i>1.35</i>	<i>.20</i>	<i>1.85</i>	<i>3.35</i>	<i>6.15</i>	<i>.85</i>	<i>1.10</i>	<i>1.60</i>	<i>1.60</i>	<i>3.20</i>	<i>2.125</i>	
March	<i>1.60</i>	<i>2.30</i>	<i>.60</i>	<i>.65</i>	<i>3.00</i>	<i>3.15</i>	<i>1.70</i>	<i>4.80</i>	<i>.60</i>	<i>1.30</i>	<i>1.970</i>	
April	<i>1.45</i>	<i>1.85</i>	<i>.65</i>	<i>1.25</i>	<i>1.75</i>	<i>1.95</i>	<i>1.00</i>	<i>2.30</i>	<i>5.20</i>	<i>3.00</i>	<i>2.040</i>	
May	<i>2.35</i>	<i>2.20</i>	<i>3.15</i>	<i>1.10</i>	<i>3.55</i>	<i>.75</i>	<i>1.00</i>	<i>1.60</i>	<i>.50</i>	<i>2.50</i>	<i>1.870</i>	
June	<i>3.65</i>	<i>.75</i>	<i>3.65</i>	<i>2.05</i>	<i>3.20</i>	<i>2.65</i>	<i>3.10</i>	<i>3.60</i>	<i>1.50</i>	<i>1.40</i>	<i>2.555</i>	
July	<i>3.75</i>	<i>3.65</i>	<i>2.30</i>	<i>3.15</i>	<i>3.04</i>	<i>4.70</i>	<i>3.50</i>	<i>1.60</i>	<i>1.10</i>	<i>2.20</i>	<i>2.899</i>	
August	<i>2.60</i>	<i>5.15</i>	<i>4.00</i>	<i>4.05</i>	<i>6.20</i>	<i>6.05</i>	<i>2.20</i>	<i>4.70</i>	<i>2.50</i>	<i>.80</i>	<i>3.825</i>	
September	<i>3.50</i>	<i>4.05</i>	<i>3.00</i>	<i>1.75</i>	<i>.45</i>	<i>1.70</i>	<i>4.00</i>	<i>1.70</i>	<i>3.00</i>	<i>2.80</i>	<i>2.595</i>	
October	<i>2.20</i>	<i>4.05</i>	<i>5.35</i>	<i>3.05</i>	<i>4.45</i>	<i>2.10</i>	<i>1.90</i>	<i>1.90</i>	<i>4.20</i>	<i>2.80</i>	<i>3.200</i>	
November	<i>5.85</i>	<i>3.85</i>	<i>3.40</i>	<i>2.00</i>	<i>3.35</i>	<i>4.20</i>	<i>1.00</i>	<i>2.20</i>	<i>4.30</i>	<i>4.10</i>	<i>3.425</i>	
December	<i>1.65</i>	<i>3.70</i>	<i>1.25</i>	<i>3.00</i>	<i>3.45</i>	<i>2.50</i>	<i>7.00</i>	<i>3.00</i>	<i>4.40</i>	<i>2.50</i>	<i>3.245</i>	
TOTALS	<i>34.95</i>	<i>33.65</i>	<i>31.25</i>	<i>27.45</i>	<i>43.74</i>	<i>33.65</i>	<i>28.80</i>	<i>30.10</i>	<i>30.80</i>	<i>28.80</i>	<i>32.319</i>	

1880 -

N.B. Annual values rejected from Survey Map. 1929.

RAINFALL AT *Glen Isla Longdrum*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer *E. Baxter Esq. C.E.*

Tay, Isla - 1.

Diameter						8					
Height						1 - 0					
Altitude						1142 ft					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							2.30	3.50	1.70	4.00	
February							1.10	2.40	1.60	3.80	
March							2.50	7.50	1.00	3.00	
April							1.10	2.90	7.30	5.00	
May							1.30	1.80	1.20	3.10	
June							3.10	3.60	1.70	1.40	
July							4.20	2.50	1.10	2.50	
August						# 6.30	1.80	6.40	2.90	.50	
September						1.90	5.10	1.60	1.00	4.90	
October						2.30	2.30	2.40	7.00	1.50	
November						6.20	1.00	2.80	4.30	4.10	
December						3.80	8.80	4.00	3.00	3.10	
TOTALS							34.60	41.40	33.80	36.90	

RAINFALL AT *Glen Isla Glen Dye*

Lat..... Lon..... County of *Forfar*

Rain Gauge, by Observer *G. Baxter Esq CE*

Tay, Isla - 1.

Diameter						8					
Height						1 - 0					
Altitude						1409 ft					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							3.50	4.00	2.20	4.80	
February ....							.90	2.50	1.60	4.40	
March							2.40	8.90	.90	2.20	
April							1.00	3.40	8.50	5.30	
May .....							.90	2.10	1.30	4.00	
June							3.60	3.70	2.00	1.50	
July							5.00	2.30	1.00	3.50	
August						# 6.20	1.90	7.10	3.10	.50	
September....						1.80	6.80	1.70	1.10	5.40	
October						2.60	2.70	2.50	8.30	1.70	
November....						7.40	1.20	3.10	5.00	4.60	
December						5.00	11.20	4.20	3.20	4.30	
TOTALS							41.10	45.50	38.20	42.20	

N. B. Annual values repeated from Survey Map, 1929.

RAINFALL AT *Glen Isla Barney*

Lat. Lon. County of *Forfar*

Lay, Isla - 1. Rain Gauge, by Observer *G. Baxter Esq. C.E.*

Diameter						8					
Height						1 - 0					
Altitude						1145 ft					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							1.70	2.60	2.20	4.20	
February							1.00	1.70	1.60	4.40	
March							2.40	7.40	.90	2.90	
April							1.00	3.20	8.60	4.90	
May .....							.90	1.80	1.30	3.00	
June							3.50	3.70	2.10	1.60	
July							4.10	2.50	1.30	3.30	
August						^{ft} 6.70	2.00	6.60	3.00	1.00	
September....						1.70	5.30	1.50	2.50	4.90	
October						2.30	2.30	2.80	7.30	1.70	
November....						7.50	1.50	2.80	5.30	4.90	
December						5.30	9.20	4.20	4.50	4.30	
TOTALS							34.90	40.80	40.60	41.10	

RAINFALL AT *Glen Isla Glen Darriff*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer

G. Baxter Esq. C.E.

Glen Isla - 1.

Diameter						8						
Height						1 - 0						
Altitude						1480 ^{ft}						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January							3.20	3.20	2.40	4.00		
February							1.10	1.80	2.20	4.00		
March							2.40	4.20	1.20	2.80		
April							1.40	2.70	7.20	4.20		
May							1.10	2.10	1.70	3.10		
June							3.60	5.70	1.70	1.50		
July							4.00	2.10	1.40	2.50		
August						[#] 6.40	2.10	6.00	3.30	1.00		
September....						2.00	4.70	1.90	3.20	5.00		
October						2.40	3.30	2.60	5.20	2.00		
November....						5.50	1.40	3.10	4.30	5.60		
December						5.90	7.60	3.50	5.00	3.20		
TOTALS							35.90	38.90	38.80	38.90		

N. B. Annual values rejected from Survey Map, 1929.

RAINFALL AT *Buddonnes*

Lat. Lon. County of *Forfar*

Rain Gauge, by

Observer *Dunningham Esq*
J.C. Buchanan Esq C.L.

Fifth of May - 2.

Diameter	5										
Height	10										
Altitude	17										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.32	.66	1.23	1.47	2.55	2.72	.64	1.14	.65	3.33	1.671
February	1.08	.09	1.77	2.58	3.78	.79	.85	.93	.71	2.07	1.465
March	1.68	1.72	.51	1.05	.67	2.74	1.12	2.94	.58	1.55	1.456
April .....	.38	.62	.69	1.10	1.47	1.19	1.03	1.20	3.41	3.28	1.437
May	1.78	1.92	3.15	1.98	3.41	.61	.86	1.48	2.44	3.95	2.158
June	3.07	.49	2.76	1.71	2.01	1.74	2.60	3.90	1.22	1.52	2.102
July	2.96	3.88	1.44	2.63	2.93	3.89	3.68	1.64	1.80	2.32	2.717
August	2.70	3.33	3.90	2.64	4.66	3.83	2.14	3.81	2.86	.49	3.036
September....	2.19	3.67	1.14	1.77	.40	.80	3.06	1.19	1.52	3.18	1.892
October	1.60	1.98	3.87	2.53	3.09	1.69	2.69	2.01	4.39	.73	2.458
November....	3.39	2.42	1.89	1.42	1.42	2.57	.82	1.42	3.55	2.17	2.107
December	1.73	3.27	1.23	1.83	1.60	2.59	5.19	2.55	1.18	3.93	2.510
TOTALS	24.88	24.05	23.58	22.71	27.99	25.16	24.68	24.21	24.31	28.52	25.009

RAINFALL AT *Broughty Ferry Douglas House*

Lat.

Lon.

County of

Forfar

Rain Gauge, by

Observer

Mr K. Graham

Firth of Tay - 2.

Diameter	5											
Height	56											
Altitude	60K											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.38	.65	1.50	1.25	2.73	2.95	.62	1.48	.62	3.54	1.772	
February	1.39	.07	2.25	2.98	4.14	.75	.86	.75	.77	2.38	1.634	
March	1.86	2.61	.81	.95	.98	3.02	1.20	3.39	.73	1.75	1.730	
April .....	.55	1.04	.89	1.30	1.39	1.19	1.05	1.59	4.06	3.45	1.651	
May	2.02	2.08	3.07	1.33	3.40	.57	.76	1.59	2.05	4.53	2.140	
June	3.15	.82	2.96	2.21	2.06	1.95	2.48	4.75	1.22	1.77	2.337	
July	3.22	3.11	1.59	3.67	3.32	3.93	3.63	1.87	.80	2.37	2.751	
August	2.84	4.53	5.18	3.00	4.63	4.67	1.93	3.59	3.42	.49	3.428	
September....	2.64	4.55	1.09	1.52	.15	.73	3.59	1.59	1.99	3.64	2.149	
October	2.03	2.61	4.00	2.59	3.50	1.43	2.73	2.20	5.01	.97	2.707	
November	4.26	2.82	1.95	1.27	1.18	2.37	.71	1.67	4.55	2.34	2.312	
December	2.22	3.56	.92	1.92	1.72	2.94	5.08	3.20	1.27	4.54	2.737	
TOTALS	28.56	28.45	26.21	23.99	29.20	26.50	24.64	27.67	26.49	31.77	27.348	

1880—

RAINFALL AT *Broughty Ferry Corona Gardens*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer

M. J. Machar

Firm of Jay - 2.

Diameter					5	5					
Height					4 - 6	4 6					
Altitude					68	68		96			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January					2.71	2.93	.63	1.45	.64	3.60	
February					4.14	.72	.86	.72	.73	2.43	
March .....					.98	2.98	1.18	3.39	.71	1.69	
April					1.37	1.18	1.04	1.58	4.06	3.39	
May					3.42	.57	.77	1.56	2.03	4.43	
June					2.06	1.92	2.48	5.02	2.22	1.83	
July					3.31	3.86	3.43	1.86	.74	2.35	
August					4.60	4.50	1.98	3.48	3.44	.52	
September ....					.15	.82	3.47	1.48	2.06	3.64	
October					3.42	1.43	2.46	2.16	4.92	.67	
November					1.18	2.36	.75	1.70	4.55	2.61	
December					1.72	2.89	5.04	3.06	1.29	4.68	
TOTALS					29.06	26.16	24.09	27.46	27.39	31.84	

Monifieth Church 3 miles E
Vines 15 ft high 36 ft N

RAINFALL AT Dundee Harbour

Lat.

Lon.

County of Forfar

Rain Gauge, by

Observer D. Cunningham Esq
J. C. Buchanan Esq

First of May - 2.

Diameter	5											
Height	0 10									1 0		
Altitude	14									13		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.96	.86	1.60	1.39	3.37	3.11	.85	1.81	.70	3.60	2.025	
February	1.51	.12	2.43	3.16	4.74	1.00	.89	1.06	.95	2.38	1.824	
March	2.14	2.87	.99	1.02	1.24	2.65	1.27	3.64	.62	1.76	1.820	
April .....	.71	1.51	.81	1.30	1.59	1.12	.95	1.40	4.00	3.31	1.670	
May	2.21	2.18	2.59	1.23	3.12	.40	.82	1.32	1.97	4.28	2.012	
June	2.83	.60	2.98	1.95	1.93	2.00	2.52	4.97	1.70	1.90	2.338	
July	3.06	2.91	1.73	2.93	3.41	4.00	3.82	1.76	.89	2.72	2.723	
August	2.22	4.58	6.26	3.15	4.36	4.56	1.96	4.75	3.42	.61	3.587	
September....	2.84	4.19	1.40	1.77	.17	.84	3.69	1.70	1.83	3.90	2.233	
October	2.24	2.75	3.74	2.58	3.63	1.49	2.78	2.10	5.02	.98	2.731	
November	4.59	3.11	1.82	1.35	1.44	2.67	.84	1.79	4.72	2.63	2.496	
December	2.27	3.93	.91	2.13	1.88	3.47	5.27	3.37	1.42	4.34	2.899	
TOTALS	29.58	29.61	27.26	23.96	30.88	27.31	25.66	29.67	27.24	32.41	28.358	

1899 Nov 30th gauge moved 97 ft E
 Customs House 60 ft high 34 ft N.W.

RAINFALL AT Dundee Dens Works

Lat. Lon. County of Forfar

Fifth of Jay - 2. Rain Gauge, by Observer Messrs Baxter Bros.

Diameter		5									
Height .....		...							
Altitude		119 T									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....		.57	1.48	1.17	2.53	2.54	.74	1.76	.67	3.65	
February ....		.06	1.86	2.97	4.25	1.04	.76	.92	.78	2.25	
March		2.22	.78	.98	.85	2.08	1.16	3.71	.58	1.48	
April		1.30	.61	1.31	1.68	1.20	.89	1.43	3.73	3.16	
May		2.04	2.35	1.07	2.74	.47	.75	1.47	1.98	4.46	
June .....		.50	2.62	1.87	1.79	1.76	2.53	5.08	2.02	1.62	
July		2.77	1.58	2.56	3.05	3.55	3.57	2.13	.93	1.97	
August		4.00	5.71	2.89	4.15	4.21	2.04	3.40	3.27	.68	
September		3.74	1.01	1.61	.10	.75	3.74	1.47	1.86	2.16	
October		2.46	3.42	2.33	3.40	1.38	2.81	2.08	5.07	2.81	
November		2.75	2.31	1.23	1.17	2.40	.89	1.83	4.50	2.33	
December		3.38	.66	1.85	1.52	3.12	5.11	3.23	1.31	4.19	
TOTALS		25.79	24.39	21.84	27.23	24.50	24.99	28.51	26.70	30.76	

1891 Buildings 11 ft high 52 ft E
1893 Wellacton Church E

RAINFALL AT Dundee Eastern Necropolis

Lat. Lon. County of Forfar

Rain Gauge, by Observer W. B. McKelvie Esq
W. J. Carmochan

File of Jany - 2. Old

Diameter	3											
Height	0 4											
Altitude	199 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.40	.75	1.60	1.25	3.15	2.90	.80	1.75	.70	3.40	1.840	
February	1.35	.15	2.10	2.90	4.45	.75	1.00	.85	.75	2.30	1.660	
March	1.90	2.00	.90	1.05	1.00	2.30	1.15	3.60	.45	1.65	1.600	
April .....	.65	1.30	.70	1.45	1.45	1.15	.85	1.50	4.40	3.00	1.645	
May	2.10	2.35	2.70	1.35	3.20	.55	.75	1.35	1.95	4.00	2.030	
June	2.90	.75	2.70	2.05	2.00	1.65	2.65	5.10	1.45	1.70	2.295	
July	3.25	3.45	1.70	3.40	3.45	4.20	3.75	2.25	.85	2.05	2.835	
August	2.65	4.35	5.95	3.00	4.50	4.55	1.85	3.25	3.30	.55	2.395	
September	2.85	4.25	1.45	1.60	.15	.80	3.85	1.25	1.95	3.80	2.195	
October	2.00	2.85	3.80	2.60	3.55	1.50	2.90	2.20	5.00	.95	2.435	
November	4.65	3.05	2.10	1.25	1.35	2.75	.75	1.85	4.35	2.50	2.460	
December	2.20	3.55	.90	2.05	1.90	3.10	5.25	3.35	1.35	4.60	2.825	
TOTALS	28.90	28.80	26.60	23.95	30.15	26.20	25.55	28.30	26.50	30.50	27.545	

1890 Wallace town Church 3/4 mile W
 Wall. 6 ft high 105 ft from N wall
 " " " 18 " " E "

1880 -

RAINFALL AT Dundee Eastern Necropolis

Lat. 56° 28' 20"

Lon. 2° 56' 5"

County of Forfar

Rain Gauge, by _____

Observer

W.B. McKelvie Esq
M. Harrold

Firth of Tay - 2. New

Diameter	3		5								
Height	0 4										
Altitude	199 I										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.53	.78	1.64	1.26	3.19	2.92	.84	1.79	.72	3.42	1.909
February	1.39	.16	2.18	2.97	4.47	.76	1.01	.88	.79	2.32	1.693
March	1.93	2.03	.94	1.05	1.03	2.36	1.20	3.64	.50	1.71	1.639
April .....	.68	1.28	.75	1.50	1.52	1.19	.93	1.54	4.45	3.04	1.688
May	2.17	2.41	2.75	1.39	3.25	.57	.76	1.41	2.00	4.05	2.076
June	3.00	.76	2.78	2.09	2.02	1.73	2.71	5.13	1.49	1.72	2.343
July	3.31	3.48	1.72	3.42	3.49	4.26	3.79	2.28	.88	2.12	2.845
August	2.71	4.38	6.00	3.04	4.54	4.58	1.91	3.32	3.39	.55	3.442
September....	2.89	4.30	1.53	1.68	.20	.84	3.86	1.30	1.97	3.87	2.244
October	2.04	2.83	3.82	2.64	3.55	1.56	2.94	2.24	5.04	.99	2.765
November....	4.60	2.99	2.08	1.25	1.39	2.80	.79	1.86	4.39	2.53	2.468
December	2.27	3.54	.92	2.08	1.91	3.12	5.28	3.35	1.38	4.61	2.846
TOTALS	29.52	28.94	27.11	24.37	30.56	26.69	26.02	28.74	27.00	30.93	27.988

1895 Wallace town Ch 3/4 mile W
Trestle bridge 5+12 ft high 24 ft SW

RAINFALL AT

Liff

(Gray Cottage)

Lat.

Lon.

County of

Forfar

Rain Gauge, by

Observer

Col F. Stewart Gray

Firth of Tay - 2.

Diameter								5			
Height								13			
Altitude								260			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								2.39	.98	3.56	
February								1.14	.93	2.49	
March								4.37	.49	2.07	
April								1.58	4.28	3.31	
May								1.71	1.87	3.90	
June								5.09	1.82	1.75	
July								1.28	1.02	2.29	
August								4.74	3.35	.73	
September								1.86	2.22	4.39	
October								2.44	5.56	1.27	
November								2.34	5.39	2.74	
December								3.95	2.42	5.24	
TOTALS								32.89	30.33	33.74	

Liff Church 50 yards N
House 25 ft high 25 ft N

RAINFALL AT Dundee Westgreen House
Lat. Lon. County of Forfar
Rain Gauge, by Observer Dr. Rorie

Firm of Jay - 2.

Diameter										5	
Height										10	
Altitude										216	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.51	.59	1.52	1.46	2.51	2.90	.75	1.52	.79	3.95	1.850
February	1.50	.22	2.01	3.35	4.63	.95	.69	1.20	.86	2.41	1.782
March	2.14	2.31	.74	.65	.70	2.49	1.43	5.12	.47	1.45	1.750
April .....	.65	1.52	.50	1.17	1.54	1.08	.83	1.15	4.89	3.51	1.684
May	1.39	1.63	3.43	.93	2.44	.75	.74	1.66	1.41	4.49	1.887
June	3.88	1.27	2.76	2.22	2.24	1.41	2.78	5.13	1.38	1.72	2.479
July	2.22	2.73	1.62	2.78	4.68	4.63	3.64	1.36	.80	2.20	2.666
August	1.83	3.39	5.18	2.96	3.00	4.82	2.43	5.26	3.14	.61	2.262
September....	3.78	4.00	1.24	1.15	.54	1.09	3.94	1.17	1.90	1.95	2.076
October	2.15	2.47	3.94	2.91	3.99	1.50	3.09	2.20	6.11	2.99	3.135
November....	4.82	3.61	2.13	1.21	1.47	2.32	1.34	2.29	4.65	2.98	2.682
December	2.36	3.20	.77	2.06	1.76	3.80	5.20	3.89	1.99	3.25	2.828
TOTALS	29.23	26.94	25.84	22.85	29.50	27.74	26.86	31.95	28.39	31.51	28.081

Gauge read weekly & monthly totals not therefore exact.
1889 # Oct. 3.07in Nov. .87in Dec. 1.18in.

RAINFALL AT *Dundee Lampdown Jute Works*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer *The Storekeeper**Firth of Tay - 2.*

Diameter	5											
Height	3 8											
Altitude	290											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.16	.42	1.28	1.17	2.31	2.56	.69	1.38	.54	3.34	1.585	
February	1.18	.03	1.62	2.66	3.72	.88	.63	.58	.51	1.91	1.372	
March	1.55	1.80	.70	.97	.63	1.92	.96	3.12	.29	1.53	1.347	
April .....	.46	1.40	.51	1.25	1.24	.96	.76	1.08	3.79	2.74	1.419	
May	1.81	1.87	2.71	.90	2.65	.30	.63	.98	1.65	3.55	1.705	
June	2.58	.41	2.46	1.84	1.66	1.69	2.47	4.15	1.62	1.45	2.033	
July	2.86	1.86	1.62	2.65	3.39	3.94	3.10	1.50	.65	1.48	2.305	
August	1.74	4.32	5.33	2.54	4.24	4.21	1.31	3.23	2.61	.56	3.009	
September	2.65	3.22	1.05	1.56	.18	.67	3.42	.95	1.68	2.86	1.824	
October	1.69	2.33	3.42	2.16	3.42	1.32	2.46	1.49	3.60	1.11	2.300	
November	4.00	2.66	1.69	1.02	1.14	2.24	.72	1.75	3.70	1.91	2.083	
December	2.15	3.23	.59	1.78	1.40	2.92	4.42	2.95	1.08	3.36	2.388	
TOTALS	24.83	28.55	22.98	20.50	25.98	23.61	21.57	23.16	21.72	25.80	23.370	

RAINFALL AT *Monifieth Fountain Brae*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer *Mr J. A. Sinclair*

Firth of Tay - 2

Diameter	<i>6</i>				<i>5</i>						
Height	<i>10</i>										
Altitude	<i>55</i>										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	<i>2.34</i>	<i>.91</i>	<i>1.67</i>		<i>2.19</i>	<i>2.35</i>	<i>.67</i>				
February	<i>1.34</i>	<i>.13</i>	<i>2.10</i>		<i>3.61</i>	<i>.64</i>	<i>.72</i>				
March	<i>1.83</i>	<i>1.87</i>	<i>.92</i>		<i>.58</i>	<i>1.15</i>	<i>.87</i>				
April	<i>.62</i>	<i>.74</i>	<i>.80</i>		<i>.73</i>	<i>.30</i>	<i>.66</i>				
May	<i>2.09</i>	<i>1.86</i>	<i>3.33</i>		<i>3.81</i>	<i>.48</i>	<i>.87</i>				
June	<i>2.65</i>	<i>.50</i>	<i>2.87</i>		<i>2.13</i>	<i>1.80</i>	<i>2.75</i>				
July	<i>3.53</i>	<i>3.38</i>	<i>1.85</i>		<i>2.86</i>	<i>3.84</i>	<i>3.98</i>				
August	<i>2.64</i>	<i>4.41</i>	<i>5.10</i>		<i>4.17</i>	<i>3.50</i>	<i>2.18</i>				
September	<i>2.43</i>	<i>5.01</i>	<i>1.30</i>		<i>.21</i>	<i>1.02</i>	<i>4.17</i>				
October	<i>2.26</i>	<i>2.11</i>	<i>4.51</i>		<i>2.98</i>	<i>1.50</i>	<i>2.67</i>				
November	<i>4.47</i>	<i>3.00</i>	<i>2.29</i>		<i>2.12</i>	<i>2.28</i>	<i>1.15</i>				
December	<i>1.97</i>	<i>3.56</i>	<i>1.10</i>		<i>1.16</i>	<i>2.76</i>	<i>3.41</i>				
TOTALS	<i>28.17</i>	<i>27.48</i>	<i>27.84</i>	<i>No Reply</i>	<i>26.55</i>	<i>21.62</i>	<i>24.10</i>	<i>No Reply</i>			

1891 Monifieth Church 1/2 mile S.W.

RAINFALL AT Monifieth Sea View

Lat. _____ Lon. _____ County of Forfar

Rain Gauge, by _____ Observer W. Low Esq

Firth of Tay - 2.

Diameter	8										
Height	10										
Altitude	83 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.34	.86	1.51								
February	2.20	.10	1.80								
March	1.74	2.19	.63								
April .....	.44	.61	.67								
May	2.06	1.82	3.19								
June	2.82	.51	2.66								
July	3.21	2.98	1.71								
August	2.21	4.05	4.60								
September....	2.40	4.69	1.01								
October	2.12	2.16	3.96								
November....	4.38	2.89	1.87								
December	1.94	3.12	.90								
TOTALS	27.86	25.98	24.51	<u>None</u>							

RAINFALL AT Barry

Lat.

Lon.

County of Forfar

Rain Gauge, by

Observer J Proctor Esq M.A.

S. 64 - 3.

Diameter											
Height											
Altitude	<u>88</u>	<u>38</u>			<u>35</u>						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	<u>3.11</u>	<u>.59</u>	<u>1.11</u>	<u>1.08</u>	<u>3.13</u>	<u>2.45</u>					
February	<u>1.37</u>	<u>.09</u>	<u>1.57</u>	<u>3.28</u>	<u>5.32</u>	<u>2.50</u>					
March	<u>2.07</u>	<u>2.49</u>	<u>.29</u>	<u>.61</u>	<u>1.53</u>						
April	<u>.71</u>	<u>.66</u>	<u>.70</u>	<u>1.74</u>	<u>1.36</u>	<u>1.45</u>					
May	<u>2.75</u>	<u>2.13</u>	<u>3.16</u>	<u>1.99</u>	<u>4.66</u>						
June	<u>3.47</u>	<u>.74</u>	<u>3.82</u>	<u>2.29</u>	<u>2.36</u>						
July	<u>3.81</u>	<u>2.93</u>	<u>1.90</u>	<u>4.09</u>	<u>4.52</u>						
August	<u>3.18</u>	<u>4.40</u>	<u>4.96</u>	<u>2.46</u>	<u>4.47</u>						
September....	<u>2.20</u>	<u>3.91</u>	<u>1.07</u>	<u>3.82</u>	<u>.59</u>						
October	<u>2.40</u>	<u>2.40</u>	<u>4.95</u>	<u>3.14</u>	<u>3.85</u>	<u>1.91</u>					
November....	<u>4.80</u>	<u>2.75</u>	<u>2.25</u>	<u>2.10</u>	<u>1.90</u>	<u>2.89</u>					
December	<u>1.99</u>	<u>2.71</u>	<u>1.29</u>	<u>1.95</u>	<u>2.10</u>	<u>2.74</u>					
TOTALS	<u>31.86</u>	<u>25.80</u>	<u>27.07</u>	<u>28.55</u>	<u>35.79</u>						

RAINFALL AT Braington

Lat.

Lon.

County of Forfar

Rain Gauge, by

Observer J. Watson Esq. Cl.
G. Baxter Esq.

S. 600 - 3.

Diameter	8				11		8				
Height	10										
Altitude	481								410		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.60	1.14	2.28	1.98	3.21	4.29	1.02	2.40	1.67	5.22	2.681
February	1.78	.30	3.40	4.35	4.49	1.76	1.08	1.31	.70	3.89	2.306
March	2.69	2.50	1.04	1.15	.79	4.08	1.94	4.93	.81	1.64	2.157
April	1.05	.95	.96	1.79	1.96	1.94	1.27	1.50	7.34	5.28	2.404
May	3.48	2.82	4.20	1.78	5.28	.52	1.15	1.90	2.55	5.94	2.962
June	4.66	.62	4.76	2.91	2.60	2.31	2.96	6.29	2.27	2.50	3.188
July	5.36	3.62	2.24	3.68	4.17	5.09	4.26	1.66	.66	2.72	3.346
August	3.82	5.74	7.59	3.99	6.18	4.92	2.45	5.25	4.63	.69	4.526
September....	1.53	6.02	1.56	2.69	.50	.97	5.78	1.02	2.77	2.40	2.524
October	3.59	3.50	6.37	3.40	4.27	2.21	3.77	2.95	8.61	2.94	4.161
November	5.87	4.07	3.17	2.08	2.99	3.95	1.51	3.14	6.94	2.66	3.638
December	2.50	3.84	1.00	2.36	2.67	4.04	8.80	5.75	1.93	4.53	3.742
TOTALS	39.93	35.12	38.57	32.16	39.11	36.08	35.99	38.10	40.88	40.41	37.635

1880 -

RAINFALL AT

Braington

Lat.

Lon.

County of

Forfar

Rain Gauge, by

Observer

*Watson Esq. CR.
G. Baxter Esq.*

S. No. 3. Monthly

Diameter	<i>11</i>										
Height	<i>0 3</i>	<i>3 0</i>				<i>0.3</i>	<i>3 0</i>				
Altitude	<i>481</i>										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	<i>3.44</i>	<i>1.42</i>	<i>2.42</i>	<i>2.35</i>	<i>3.51</i>	<i>4.11</i>	<i>1.03</i>	<i>2.17</i>	<i>1.23</i>	<i>4.68</i>	<i>2.636</i>
February	<i>1.75</i>	<i>.29</i>	<i>3.47</i>	<i>4.13</i>	<i>4.48</i>	<i>2.22</i>	<i>1.24</i>	<i>1.22</i>	<i>.68</i>	<i>3.00</i>	<i>2.248</i>
March	<i>2.62</i>	<i>2.75</i>	<i>1.42</i>	<i>1.20</i>	<i>.78</i>	<i>4.12</i>	<i>1.69</i>	<i>4.50</i>	<i>.81</i>	<i>2.60</i>	<i>2.249</i>
April	<i>.95</i>	<i>1.11</i>	<i>.94</i>	<i>1.57</i>	<i>1.81</i>	<i>1.67</i>	<i>1.30</i>	<i>2.00</i>	<i>6.70</i>	<i>4.17</i>	<i>2.222</i>
May	<i>3.18</i>	<i>2.38</i>	<i>3.91</i>	<i>1.69</i>	<i>4.68</i>	<i>.55</i>	<i>1.08</i>	<i>1.86</i>	<i>2.45</i>	<i>4.72</i>	<i>2.650</i>
June	<i>3.92</i>	<i>.69</i>	<i>3.83</i>	<i>2.63</i>	<i>2.24</i>	<i>2.03</i>	<i>2.91</i>	<i>5.83</i>	<i>1.70</i>	<i>1.98</i>	<i>2.776</i>
July	<i>4.82</i>	<i>3.81</i>	<i>2.14</i>	<i>3.18</i>	<i>3.88</i>	<i>4.41</i>	<i>4.28</i>	<i>1.68</i>	<i>.65</i>	<i>2.07</i>	<i>3.092</i>
August	<i>3.22</i>	<i>5.13</i>	<i>5.82</i>	<i>3.94</i>	<i>5.88</i>	<i>4.62</i>	<i>2.14</i>	<i>4.92</i>	<i>3.90</i>	<i>.68</i>	<i>4.025</i>
September	<i>2.83</i>	<i>5.78</i>	<i>1.61</i>	<i>2.38</i>	<i>.29</i>	<i>.93</i>	<i>5.12</i>	<i>1.68</i>	<i>2.12</i>	<i>4.20</i>	<i>2.694</i>
October	<i>2.38</i>	<i>3.28</i>	<i>5.62</i>	<i>3.09</i>	<i>5.34</i>	<i>1.91</i>	<i>3.26</i>	<i>2.94</i>	<i>5.90</i>	<i>1.08</i>	<i>3.480</i>
November	<i>5.09</i>	<i>4.13</i>	<i>2.97</i>	<i>2.07</i>	<i>1.61</i>	<i>3.86</i>	<i>1.05</i>	<i>2.95</i>	<i>6.00</i>	<i>2.39</i>	<i>3.212</i>
December	<i>2.43</i>	<i>4.18</i>	<i>1.01</i>	<i>2.18</i>	<i>2.68</i>	<i>3.88</i>	<i>8.29</i>	<i>4.94</i>	<i>1.63</i>	<i>5.21</i>	<i>3.643</i>
TOTALS	<i>36.63</i>	<i>34.95</i>	<i>35.16</i>	<i>30.41</i>	<i>37.18</i>	<i>34.31</i>	<i>33.39</i>	<i>36.69</i>	<i>33.77</i>	<i>36.78</i>	<i>34.927</i>

1850-

RAINFALL AT *Hill Head*

Lat. Lon. County of *Forfar*

Rain Gauge, by Observer *J. Watson Esq. C.E.*
S. Bk- 3. Monthly *E. Baxter Esq.*

Diameter	<i>11</i>									<i>11</i>	
Height	<i>0 3</i>				<i>3 0</i>	<i>0.3</i>	<i>3.0</i>			<i>3 0</i>	
Altitude	<i>570 T</i>									<i>570</i>	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	<i>3.73</i>	<i>1.34</i>	<i>2.48</i>	<i>2.09</i>	<i>3.67</i>	<i>4.03</i>	<i>.98</i>	<i>2.13</i>	<i>1.29</i>		
February	<i>1.67</i>	<i>.27</i>	<i>3.40</i>	<i>3.87</i>	<i>4.72</i>	<i>2.20</i>	<i>1.17</i>	<i>1.18</i>	<i>.75</i>		
March	<i>2.47</i>	<i>2.61</i>	<i>1.24</i>	<i>1.17</i>	<i>.92</i>	<i>4.19</i>	<i>1.77</i>	<i>4.41</i>	<i>.83</i>		
April	<i>.78</i>	<i>.98</i>	<i>.85</i>	<i>1.48</i>	<i>1.62</i>	<i>1.61</i>	<i>1.26</i>	<i>1.92</i>	<i>6.70</i>	<i>#</i>	
May	<i>3.09</i>	<i>2.31</i>	<i>3.78</i>	<i>1.62</i>	<i>4.32</i>	<i>.52</i>	<i>1.02</i>	<i>1.80</i>			
June	<i>3.81</i>	<i>.63</i>	<i>3.81</i>	<i>2.61</i>	<i>2.17</i>	<i>1.87</i>	<i>2.78</i>	<i>5.57</i>			
July	<i>4.74</i>	<i>2.95</i>	<i>2.09</i>	<i>2.87</i>	<i>3.80</i>	<i>4.57</i>	<i>4.39</i>	<i>1.57</i>			
August	<i>2.97</i>	<i>5.03</i>	<i>5.69</i>	<i>3.85</i>	<i>5.82</i>	<i>4.67</i>	<i>2.04</i>	<i>4.82</i>			
September....	<i>2.74</i>	<i>5.81</i>	<i>1.67</i>	<i>2.32</i>	<i>.30</i>	<i>.96</i>	<i>5.07</i>	<i>1.63</i>		<i>#</i>	<i>3.88</i>
October	<i>2.41</i>	<i>3.34</i>	<i>5.47</i>	<i>3.04</i>	<i>5.17</i>	<i>1.86</i>	<i>3.35</i>	<i>2.91</i>		<i>1.20</i>	
November	<i>5.20</i>	<i>4.28</i>	<i>3.04</i>	<i>2.17</i>	<i>1.66</i>	<i>3.72</i>	<i>1.07</i>	<i>2.81</i>		<i>2.44</i>	
December	<i>2.38</i>	<i>4.23</i>	<i>.98</i>	<i>2.14</i>	<i>2.75</i>	<i>3.96</i>	<i>8.43</i>	<i>4.81</i>		<i>5.07</i>	
TOTALS	<i>35.99</i>	<i>33.78</i>	<i>34.50</i>	<i>29.23</i>	<i>36.92</i>	<i>34.16</i>	<i>33.33</i>	<i>35.56</i>	<i>(33.77)</i>	<i>(36.78)</i>	<i>(34.402)</i>

Craigton

1899 New gauge

1898 & 1899 Craigton figures used.

RAINFALL AT Lombie Reservoir

Lat.

Lon.

County of Forfar

Rain Gauge, by

Observer J. Watson Esq. CR.
G. Baxter Esq.S. No. - 3. Monthly

Diameter	11										
Height	0 3				3 0	0.3	3 0				
Altitude	522 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.28	1.50	2.60	2.25	4.05	3.90	1.00	2.12	1.45	5.10	2.725
February	1.42	.29	2.70	4.32	5.14	2.25	1.20	.46	.90	3.44	2.212
March	2.38	2.73	1.38	1.20	1.10	4.42	1.81	4.32	.87	2.76	2.297
April .....	.55	.85	.98	1.50	1.56	1.65	1.22	1.80	3.70	4.12	1.793
May	3.05	2.45	3.25	1.65	4.46	.48	.90	1.78	2.48	4.86	2.536
June	3.76	.58	4.00	2.90	2.15	1.71	2.62	5.48	1.52	1.88	2.660
July	4.58	2.81	2.29	2.70	3.75	4.83	4.46	1.50	.68	2.03	2.963
August	2.88	4.70	5.77	4.28	6.56	4.82	1.90	4.85	3.61	.68	4.005
September	2.67	5.96	1.72	2.78	.32	.98	5.00	1.70	1.90	4.15	2.718
October	2.45	3.41	5.50	3.13	5.25	1.80	3.57	3.00	5.66	1.64	3.541
November	4.80	4.47	3.08	2.04	1.73	3.55	1.03	2.86	6.22	2.85	3.263
December	2.66	4.40	1.02	2.38	2.81	4.22	8.77	4.77	2.24	6.02	3.929
TOTALS	34.48	34.15	34.29	31.13	38.88	34.61	33.48	34.64	31.23	39.53	34.642

1870

RAINFALL AT Arbroath Waterworks

Lat. 56° 33' 32"

Lon. 2° 36' 45"

County of Forfar

Rain Gauge, by

Observer

W Stewart Esq C.E.

S. 64 + c - 3.

Diameter	5										
Height	0 11										
Altitude	58		70	57							
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.06	.62	1.42	1.33	2.31	2.74	.43	.85	1.13	3.39	1.628
February ....	.96	.09	1.07	2.57	3.53	1.28	.72	.90	.53	2.23	1.388
March	1.75	1.91	.60	.91	.44	3.21	1.18	2.91	.52	1.50	1.493
April .....	.36	.51	.56	1.24	.70	.97	.86	1.35	3.61	2.70	1.286
May	2.63	1.27	2.44	1.33	3.59	.65	.99	1.60	1.97	3.57	2.004
June	2.56	.35	2.67	2.45	1.81	1.20	2.33	3.82	.84	1.46	1.949
July	3.90	2.86	1.97	1.62	2.70	3.98	3.30	1.24	.37	1.40	2.334
August	2.29	4.09	3.89	2.31	4.06	3.51	2.26	3.10	2.24	.35	2.810
September	2.23	4.23	1.35	1.92	.29	.78	2.90	1.52	1.36	2.86	1.944
October	1.66	1.92	3.84	2.72	2.83	1.70	2.75	1.89	3.26	.74	2.331
November	3.33	2.69	1.99	1.29	1.46	2.55	1.05	1.32	3.41	1.81	2.090
December	1.64	2.96	.91	1.27	1.64	2.72	5.53	3.10	1.21	4.20	2.518
TOTALS	25.37	23.50	22.71	20.96	25.36	25.29	24.30	23.60	20.45	26.21	23.775

1890 House 22 ft high 39 ft SW

RAINFALL AT Arbroath Waterworks

Lat.

Lon.

County of Forfar

Rain Gauge, by

Observer W. Stewart Esq CR

S. 6k-3. M

Diameter				5							
Height				10							
Altitude				57							
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January				1.40	2.37	2.71	.48	.89	1.12	2.67	
February				2.56	3.57	.92	.75	.92	.68	2.23	
March				1.13	.49	3.09	1.28	2.96	.53	1.52	
April				1.10	.71	.99	.92	1.37	3.61	2.83	
May				1.24	3.55	.67	1.01	1.41	1.94	3.47	
June				2.29	1.81	1.24	2.33	3.79	.87	1.98	
July				1.72	2.92	4.01	3.33	1.45	.39	1.34	
August				2.39	4.62	3.55	2.21	3.16	2.27	.36	
September....				1.87	.31	.81	2.95	1.57	1.37	3.03	
October.....				2.71	2.89	1.71	2.81	1.98	3.27	.76	
November....				1.30	1.51	2.62	.95	1.38	3.39	1.81	
December				1.33	1.73	2.82	5.12	3.15	1.95	4.18	
TOTALS				21.04	26.48	25.14	24.14	24.03	21.39	26.18	

1893 St Margaret Church 500 yards NE
Trees 25ft high 30ft N + NE

RAINFALL AT Airbrough Waterworks Tower

Lat. 56° 33' 22"

Lon. 2° 36' 45"

County of Forfar

Rain Gauge, by

Observer

W Stewart Esq C.E.

S. Sk-3.

Diameter	5										
Height	48.0	60.0			48.0						
Altitude	157	130			157						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.57	.51			1.56	1.25	.34	.35	.92	2.56	
February ....	.51	.02			2.39	.19	.63	.59	.39	1.75	
March .....	.78	.51			.35	1.30	1.00	1.72	.16	.98	
April .....	.22	.26			.37	.77	.77	1.04	2.13	1.90	
May	1.73	1.00			2.54	.58	.86	1.11	1.32	2.50	
June	1.85	.26			1.53	.93	1.64	2.91	.69	1.19	
July	3.12	2.29			2.29	2.80	2.35	1.07	.30	1.03	
August	1.69	2.23			3.80	3.00	1.97	2.54	1.88	.30	
September....	1.71	3.14			.19	.68	2.17	1.30	1.23	1.65	
October	1.36	1.17			1.73	1.28	2.15	1.26	1.32	.52	
November	2.68	1.73			1.25	1.78	.76	1.02	1.70	1.32	
December	1.17	2.08			1.36	1.74	3.72	2.43	.94	2.65	
TOTALS	18.39	15.20	NR		19.36	16.30	18.36	17.34	12.98	18.35	

RAINFALL AT Arbroath Waterworks Tower

Lat. Lon. County of Forfar

Rain Gauge, by Observer W Stewart Esq Ch.
S. Sk-3. Monthly

Diameter						5					
Height						48 0					
Altitude						157					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January						1.20	.30	.37	.84	1.87	
February ....						.16	.60	.54	.36	1.75	
March						1.19	.96	1.69	.13	.90	
April .....						.67	.72	1.03	2.09	1.93	
May .....						.52	.86	1.01	1.24	2.06	
June .....						.88	1.60	2.87	.66	1.24	
July						2.79	2.11	1.20	.23	1.04	
August						2.98	2.01	2.50	1.74	.29	
September....						.71	1.96	1.25	.68	1.73	
October						1.25	1.95	1.13	1.29	.46	
November....						1.82	.65	.97	1.65	1.17	
December						1.64	3.53	2.64	1.38	2.32	
TOTALS						15.81	17.25	17.20	12.29	16.76	

St Margaret's Ch 300 yards N
Water Tower 15 ft high 100 ft S

RAINFALL AT Arbroath Dishland Hill

Lat.

Lon.

County of Forfar

Rain Gauge, by

Observer M. J. Campbell

S. Ek - 3.

Diameter	5			5							
Height	11			11							
Altitude	66 T			66		69					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....		.61	1.23	.98	2.11	2.14	.46	.65	.85	3.08	
February ....		.11	.93	2.24	3.03	.68	.72	.96	.69	1.94	
March		1.82	.62	.54	.52	3.56	1.27	2.23	.62	1.23	
April .....		.42	.85	1.29	.61	.99	.92	1.16	2.61	2.54	
May		1.35	2.22	1.40	3.59	.70	1.03	1.58	2.06	3.68	
June .....		.38	2.51	2.62	1.76	1.21	2.41	3.66	.83	1.32	
July		2.55	1.87	1.63	2.96	3.89	3.45	1.37	.45	2.13	
August		3.50	3.75	2.13	4.51	3.38	2.49	2.83	2.13	.34	
September ....	.92	4.47	1.49	2.00	.37	.75	2.89	1.56	1.26	2.92	
October	2.65	1.45	3.90	2.68	2.36	1.60	2.82	1.71	2.86	.83	
November	3.39	2.41	1.83	1.37	1.56	2.16	1.02	1.47	3.14	1.62	
December	1.66	2.79	.94	1.33	1.65	2.34	5.17	2.61	1.17	2.89	
TOTALS . . .		21.86	22.14	20.21	25.03	23.40	24.65	21.79	18.67	24.52	

Arbroath Church 3/4 mile N.E.

Thermometer stand 2' 6" high 2 1/4 N E

Sun Recorder 2 ft 11 in. - 4 ft 2 in S W.

RAINFALL AT Arbroath Cemetery

Lat. Lon. County of Forfar

S. 22-3. Rain Gauge, by Observer J. Nicoll

Diameter	5										
Height	1 3										
Altitude	102	68									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.52	.61	1.23								
February	1.31	.11									
March	2.12		.62								
April .....	.53										
May	2.71	1.35	2.22								
June	2.84	.38	2.51								
July	3.60	2.55									
August	#	3.50	3.75								
September....	#.92	4.47	1.49								
October	2.65	1.45									
November	3.39	2.41	1.83								
December	1.66	2.79	.94								
TOTALS											

1890 August The gauge was moved from the Cemetery to Dishland Hill 1 mile S.E.

N. B. Annual values rejected from Survey Map, 1929.

RAINFALL AT Rescobie Pitsoandly

Lat.

Lon.

County of Forfar

Rain Gauge, by

Observer W. F. Farquhar Esq

S. 6k-3.

Diameter			5							5	
Height			510							510	
Altitude			280							280	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January				2.09	3.34	3.90	.69	1.78	1.25	3.60	
February				3.57	5.61		.75	1.09	1.00	2.44	
March .....				.60	1.35	4.02	1.52	5.15	.67	1.33	
April .....				.97	1.16	1.09	.65	1.48	5.97	3.01	
May .....				.99	3.90	.63	.92	1.71	1.62	3.22	
June			3.56	2.31	2.62	1.78	2.48	4.11	1.68		
July			2.12	3.25	3.40	4.15	4.10	1.28			2.69
August			4.14	2.97	4.44	4.70	2.25	3.82	3.42	1.05	
September			1.49	1.81	.63	.90	4.15	1.23	1.78		
October			4.83	2.19	2.30	1.59	3.06	2.13	6.15		4.82
November			2.34	2.12	3.50	3.95	1.06	1.83	4.85	2.70	
December ....			.59	2.22	1.91	4.25	7.20	4.26	2.00	3.88	
TOTALS				25.09	34.16	30.96	28.83	29.87	30.39	28.74	30.00*

Rescobie Church 2 1/2 miles SE

House 1 Story 60 ft

S

Gauges placed on wall, and rain carried to

* Can underground receiver by a 3/4 in pipe,

precaution being taken to prevent entrance of other water.

N. B. Annual values rejected from Survey Map, 1929.

RAINFALL AT *Montrose*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer *Board of Northern Lights*

S. R. - 3.

Diameter ....	...									
Height .....	...									
Altitude ....	...									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.41	.20	1.60	1.67	1.65	1.62	.28	1.05	.00	2.99	1.347
February ....	.85	.60	2.28	2.73	3.21	.40	.80	1.12	.51	2.55	1.505
March	2.42	.75	.45	.93	.68	1.68	.93	4.75	.99	1.00	1.458
April .....	.79	.46	.70	1.30	.60	.61	.48	2.28	3.76	3.22	1.420
May	3.02	1.15	1.45	1.57	3.36	.48	.43	2.19	1.95	3.57	1.917
June	2.04	.36	2.70	2.69	1.35	1.44	2.89	4.68	.72	1.75	2.062
July	2.70	3.86	1.57	3.25	2.27	3.25	2.96	1.05	1.10	2.09	2.410
August	2.68	2.97	4.35	1.80	3.55	2.33	.89	3.57	1.40	.60	2.414
September....	.99	3.17	2.76	2.67	.45	.70	2.37	2.33	1.00	1.62	1.806
October	3.29	1.88	4.60	1.80	2.27	1.65	1.21	3.22	3.79	1.35	2.506
November	3.57	3.00	4.33	1.60	2.02	2.00	1.27	2.00	4.07	1.52	2.538
December	1.45	2.69	1.02	1.70	2.00	1.92	9.29	3.41	1.37	4.15	2.900
TOTALS	26.21	21.09	27.81	23.71	23.41	18.08	23.80	31.65	20.66	26.41	24.283

N.B. Annual values rejected from Survey Map, 1929.

RAINFALL AT Montrose Panmure Gardens

Lat. Lon. County of Forfar

S. Ex-3. Rain Gauge, by Observer J. Anderson Esq

Diameter	12	5									
Height	0 10	1 0									
Altitude ....	...									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.77	.91									
February	1.60	.24									
March	4.58	1.31									
April	4.36	.81									
May	3.32	1.14									
June	2.07	.51									
July	2.83	4.73									
August	2.81	4.43									
September....	1.99	5.68									
October	1.91	2.56									
November	3.82	3.45									
December	1.83	2.57									
TOTALS	33.89	28.64									

1890 Montrose Church 200 yards W
1891 Melville " 188 " S
Trees 5 ft high 10 ft W.E.H.

RAINFALL AT Montrose Melville Gardens

Lat. Lon. County of Forfar

Rain Gauge, by

Observer

Mr A Bruce
Mr J. R. Findlay

S. 22 - 3.

Diameter			5								
Height			90						7.0		
Altitude						23					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			2.30			2.93	.43	1.05	.78	2.71	
February			2.10			.69	1.25	.56	.72	1.88	
March			1.10			2.91	.69	3.23	.79	2.10	
April			1.18			.87	.94	1.17	5.36	2.60	
May			2.18			.62	.79	1.16	1.46	3.22	
June			2.23			1.91	2.52	4.11	1.05	2.51	
July			1.65			4.36	3.10	1.00	1.18	1.64	
August			3.81			3.18	1.67	2.71	2.04	.89	
September....			1.83			.97	2.81	1.50	.90	2.51	
October			4.23			2.68	3.18	2.26	3.07	.50	
November....			1.77			3.01	1.01	.97	3.55	1.40	
December			1.14			2.93	5.96	2.69	1.20	4.03	
TOTALS			25.52	No Reply		27.06	24.35	22.41	22.10	25.99	

1892 Melville Church 230ft SE

Flagstaff 30ft high 24ft N

Gauge in the centre of a flat roofed building 17ft 6 in
by 12ft + 7ft 6 in high rim of gauge 1ft 6 in above the roof.

1895 Montrose Church 300 yards N.W

House 30ft high 120ft E + W

RAINFALL AT *Kirriemuir Leamathie*

Lat. Lon. County of *Forfar*

Rain Gauge, by Observer *Mr W. Morrison*

S. 2k - 3.

Diameter	<i>5</i>										
Height	<i>10</i>										
Altitude	<i>720</i>		<i>705</i>	<i>720</i>							
Year	<i>1890</i>	<i>1891</i>	<i>1892</i>	<i>1893</i>	<i>1894</i>	<i>1895</i>	<i>1896</i>	<i>1897</i>	<i>1898</i>	<i>1899</i>	MEANS.
January	<i>5.86</i>	<i>2.16</i>	<i>3.10</i>	<i>2.97</i>	<i>6.88</i>	<i>3.73</i>	<i>1.59</i>	<i>2.88</i>	<i>1.63</i>	<i>4.75</i>	<i>3.555</i>
February	<i>2.04</i>	<i>.19</i>	<i>2.04</i>	<i>4.80</i>	<i>9.32</i>	<i>.86</i>	<i>1.10</i>	<i>2.25</i>	<i>2.23</i>	<i>5.45</i>	<i>3.028</i>
March	<i>1.92</i>	<i>2.49</i>	<i>.62</i>	<i>.97</i>	<i>2.86</i>	<i>2.69</i>	<i>3.18</i>	<i>8.46</i>	<i>.88</i>	<i>3.11</i>	<i>2.718</i>
April	<i>1.67</i>	<i>2.75</i>	<i>1.43</i>	<i>1.33</i>	<i>2.58</i>	<i>1.94</i>	<i>1.58</i>	<i>3.99</i>	<i>8.76</i>	<i>5.78</i>	<i>3.181</i>
May	<i>3.13</i>	<i>1.96</i>	<i>3.50</i>	<i>1.29</i>	<i>5.04</i>	<i>.48</i>	<i>1.13</i>	<i>2.02</i>	<i>1.41</i>	<i>3.89</i>	<i>2.385</i>
June	<i>4.23</i>	<i>.55</i>	<i>4.18</i>	<i>2.22</i>	<i>3.13</i>	<i>2.88</i>	<i>3.57</i>	<i>3.54</i>	<i>1.99</i>	<i>1.70</i>	<i>2.799</i>
July	<i>4.05</i>	<i>3.31</i>	<i>2.73</i>	<i>3.26</i>	<i>3.33</i>	<i>4.99</i>	<i>5.11</i>	<i>2.50</i>	<i>1.10</i>	<i>3.65</i>	<i>3.403</i>
August	<i>3.94</i>	<i>8.00</i>	<i>4.87</i>	<i>3.81</i>	<i>5.87</i>	<i>7.12</i>	<i>1.99</i>	<i>7.56</i>	<i>3.40</i>	<i>.69</i>	<i>4.725</i>
September	<i>4.21</i>	<i>3.72</i>	<i>3.80</i>	<i>2.32</i>	<i>.33</i>	<i>1.73</i>	<i>6.38</i>	<i>2.66</i>	<i>2.73</i>	<i>5.71</i>	<i>3.359</i>
October	<i>2.73</i>	<i>6.74</i>	<i>7.80</i>	<i>2.40</i>	<i>6.23</i>	<i>2.41</i>	<i>2.88</i>	<i>2.66</i>	<i>6.38</i>	<i>1.38</i>	<i>4.161</i>
November	<i>7.31</i>	<i>6.60</i>	<i>4.71</i>	<i>3.80</i>	<i>3.64</i>	<i>7.15</i>	<i>1.13</i>	<i>3.71</i>	<i>6.27</i>	<i>5.50</i>	<i>4.982</i>
December	<i>1.47</i>	<i>4.63</i>	<i>.82</i>	<i>3.61</i>	<i>4.46</i>	<i>5.45</i>	<i>10.16</i>	<i>5.51</i>	<i>4.75</i>	<i>6.81</i>	<i>4.767</i>
TOTALS	<i>42.56</i>	<i>43.10</i>	<i>39.60</i>	<i>32.78</i>	<i>53.67</i>	<i>41.43</i>	<i>39.80</i>	<i>47.74</i>	<i>41.53</i>	<i>48.42</i>	<i>43.063</i>

RAINFALL AT *Montrose Sunnyside Asylum*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer *D. J. C. Howden*

N. 66-4.

Diameter	5										
Height	0 10										
Altitude	200										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.75	.76	2.72	1.70	2.82	2.99	.47	.99	.78	3.54	1.952
February	1.01	.12	2.74	2.51	4.55	.32	.58	.88	.90	2.57	1.618
March	2.27	1.64	1.00	.92	.48	3.62	1.13	3.32	1.21	1.59	1.718
April .....	.72	.69	.99	1.11	.54	.80	.84	1.42	6.99	2.65	1.675
May	2.84	.83	2.20	1.31	4.12	.63	.82	1.54	2.31	3.46	2.006
June	2.29	.37	2.26	2.80	2.06	1.91	2.79	3.65	1.06	1.69	2.088
July	3.10	2.19	2.00	2.15	2.32	3.76	3.59	1.40	.77	2.65	2.393
August	2.86	4.53	3.46	2.16	4.52	3.36	1.80	2.92	2.08	1.24	2.893
September	2.01	7.62	1.49	2.31	.33	1.01	3.56	1.48	1.06	3.00	2.387
October	2.19	2.81	5.20	2.02	3.76	1.78	3.80	2.39	3.77	.53	2.825
November	4.15	3.77	2.53	2.63	1.28	2.90	.81	1.63	4.17	2.20	2.607
December	1.72	2.38	.98	1.89	1.68	2.98	6.65	3.40	1.81	4.70	2.819
TOTALS	27.91	27.71	27.57	23.51	28.46	26.06	26.84	25.02	26.91	29.82	26.981

1880—

RAINFALL AT *Montrose Water Works Kinnaber*

Lat.

Lon.

County of *Forfar*

Rain Gauge, by

Observer *J. Anderson Esq*

N. 62-4.

A. Bruce

Wm J. R. Findlay

Diameter	6	7	5								
Height	4 0	4.9	1.6			1 0					
Altitude ....	...					38					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.20	.75	1.90			2.96	.49	1.29	.78	3.63	
February	1.00	.00	1.26			.82	.73	.53	.90	2.65	
March	2.30	1.43	.25			3.93	1.29	2.89	1.34	2.27	
April .....	.42	.62	1.73			.95	.85	1.29	6.39	2.71	
May	3.00	.78	3.82			.30	.92	1.67	2.03	3.46	
June	2.62	.35	2.74			2.33	2.72	3.44	1.07	1.43	
July	3.45	2.17				4.02	4.15	1.28	.74	2.88	
August	3.25					3.50	2.26	3.01	2.01	1.26	
September	1.75					1.04	3.41	1.52	1.30	2.93	
October	2.65	4.38	5.32			2.42	3.72	2.83	3.42	.58	
November	3.75	4.37	2.62			4.76	1.10	1.70	3.96	2.06	
December	1.97	2.30	.71			2.99	6.50	3.43	1.89	4.59	
TOTALS	29.36					30.02	28.14	24.88	25.83	30.45	

1890 Montrose Church 3 miles S

1891 Aug. + Sept. No obs. owing to death of observer

1892 Gauge broke down in July and was replaced by a new one of different construction placed in a slightly different position in Sept.

1895 Hillside Church 1 mile S W + 3 miles from Montrose
House 25 ft high + 5 ft W
Hill 150 . . . 150 . W

RAINFALL AT Brechin Stracathro Gardens

Lat.

Lon.

County of

Forfar

R. H. H. H.

Observer

J. A. Campbell Esq M.P.

Rain Gauge, by

N. B. K. - 14.

Diameter					5	5					
Height					1 - 0	1 0					
Altitude					200?	200	240				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January					# 3.20	3.70	.65	1.02	.75	4.50	
February					5.70	1.00	.77	.68	1.01	2.87	
March					1.17	3.40	1.58	5.12	1.05	2.94	
April . . . . .					.97	.92	.90	1.85	9.21	3.44	
May					4.03	.63	.95	1.92	1.98	4.15	
June					1.60	2.48	2.51	3.56	1.19	1.96	
July					5.07	5.51	5.19	.94	.79	2.20	
August					4.20	4.24	1.99	5.11	2.35	1.11	
September . . . .					.12	1.14	3.85	1.65	1.57	3.34	
October					3.92	2.03	3.60	2.39	4.38	.72	
November					3.28	4.36	1.20	1.77	4.56	2.34	
December					2.32	3.85	7.30	3.83	2.16	4.94	
TOTALS					35.58	33.26	30.49	29.84	31.00	34.51	

Stracathro Church 1/2 mile N
Wall 15 ft high 35 ft N

RAINFALL AT *Johnshaven Brotherton*

Lat.

Lon.

County of *Kincardine*

Rain Gauge, by

Observer *Mrs Scott*

Worth 1st-1.

Diameter								5			
Height								1.0			
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								1.66	.87	3.88	
February ....								.48	1.03	2.15	
March								3.23	1.42	1.88	
April								1.55	6.62	4.37	
May								1.48	2.10	2.63	
June								3.69	.92	.76	
July								1.14	.32	.49	
August								3.20	1.76	.63	
September ....								.80	1.19	2.26	
October								2.30	3.15	1.15	
November								2.15	3.49	.95	
December								3.75	1.27	4.01	
TOTALS		27.55	29.68	26.50	28.77	32.51	28.32	25.43	24.14	25.16	(28.00)*

Bentholme Church 1 mile N

* Computed from Montrose, Sunnyside & the Burn

RAINFALL AT Fettercairn Amhall

Lat. _____ Lon. _____ County of Kincardine

Rain Gauge, by _____ Observer J. H. Hay Esq
North Esk - 1.

Diameter	5										
Height	0 8		6								
Altitude	194										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.20	1.60	2.30	1.26	3.48	3.33					
February	1.45	.39	2.54	3.56	5.20	.90					
March	1.87	1.88	1.37	.85	.90	3.10					
April.....	.83	1.02	1.43	1.15	1.23	1.15					
May	2.60	1.02	2.35	2.15	4.35	.35					
June	2.83	.74	3.71	1.74	2.02	2.35					
July	3.58	3.19	2.24	2.35	3.72	4.46					
August	3.75	4.72	4.97	3.64	4.46	4.68					
September....	1.59	6.63	1.68	2.54	.17	1.12					
October.....	3.55	3.41	5.85	2.13	3.71	2.21					
November	5.44	4.38	2.94	2.95	1.98	4.78					
December	1.98	2.37	.98	2.22	2.67	3.93					
TOTALS	32.67	31.35	32.36	26.54	33.89	32.36					

1894 Edgei Ch 1 mile W

RAINFALL AT *Laurencekirk Johnstone Lodge*

Lat.

Lon.

County of *Kincardine*

Rain Gauge, by

Observer *Dr Buchan*

North 62-1.

Diameter												
Height				<i>1 0</i>								
Altitude				<i>400</i>								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	<i>3.30</i>	<i>1.14</i>	<i>4.93</i>	<i>2.86</i>	<i>2.86</i>	<i>3.90</i>	<i>.66</i>	<i>2.27</i>	<i>.83</i>	<i>4.64</i>		
February	<i>2.16</i>	<i>.16</i>	<i>2.81</i>	<i>3.37</i>	<i>4.27</i>	<i>1.93</i>	<i>.88</i>	<i>1.11</i>	<i>.94</i>	<i>2.98</i>		
March	<i>3.12</i>	<i>1.90</i>	<i>1.35</i>	<i>.90</i>	<i>.94</i>	<i>4.00</i>	<i>1.45</i>	<i>3.52</i>	<i>1.13</i>	<i>3.03</i>		
April	<i>2.02</i>	<i>1.13</i>	<i>1.74</i>	<i>1.28</i>	<i>1.87</i>	<i>.97</i>	<i>1.15</i>	<i>1.71</i>	<i>10.77</i>	<i>3.80</i>		
May	<i>3.04</i>	<i>1.12</i>	<i>2.86</i>	<i>2.14</i>	<i>4.11</i>	<i>1.12</i>	<i>1.05</i>	<i>2.03</i>	<i>2.04</i>	<i>3.67</i>		
June	<i>2.96</i>	<i>.90</i>	<i>3.16</i>	<i>3.51</i>	<i>1.79</i>	<i>3.23</i>	<i>2.68</i>	<i>3.63</i>	<i>1.18</i>	<i>1.66</i>		
July	<i>2.58</i>	<i>2.92</i>	<i>2.41</i>	<i>2.59</i>	<i>3.38</i>	<i>4.17</i>	<i>4.34</i>	<i>1.57</i>	<i>.53</i>	<i>2.52</i>		
August	<i>3.64</i>	<i>5.54</i>	<i>3.72</i>	<i>3.44</i>	<i>4.67</i>	<i>4.49</i>	<i>2.12</i>	<i>4.26</i>	<i>2.34</i>	<i>.96</i>		
September	<i>1.56</i>	<i>6.68</i>	<i>2.34</i>	<i>1.90</i>	<i>.55</i>	<i>1.24</i>	<i>3.92</i>	<i>1.59</i>	<i>1.48</i>	<i>2.62</i>		
October	<i>2.48</i>	<i>3.45</i>	<i>5.54</i>	<i>2.40</i>	<i>4.58</i>	<i>2.55</i>	<i>2.75</i>	<i>2.84</i>	<i>5.48</i>	<i>1.18</i>		
November	<i>4.69</i>	<i>5.04</i>	<i>2.90</i>	<i>2.44</i>	<i>1.36</i>	<i>5.66</i>	<i>1.11</i>	<i>1.69</i>	<i>4.47</i>	<i>2.40</i>		
December	<i>2.26</i>	<i>3.91</i>	<i>.80</i>	<i>2.31</i>	<i>4.20</i>	<i>4.36</i>	<i>8.23</i>	<i>4.20</i>	<i>1.58</i>	<i>7.50</i>		
TOTALS	<i>33.81</i> <i>np</i>	<i>33.89</i> <i>np</i>	<i>34.56</i> <i>np</i>	<i>29.14</i>	<i>34.58</i>	<i>37.62</i>	<i>30.34</i>	<i>30.42</i>	<i>32.77</i>	<i>36.99</i>	<i>33.00</i> *	

* Computed from *Sunnyside & The Burn*

1890-1892 received from M.O. Edinburgh November 1937- late up

RAINFALL AT The Burn [Brechin]

Lat.

Lon.

County of Kincardine

Rain Gauge, by

Observer

Col McEvoy CB.

North Esk - 1.

Diameter	5										
Height	0 6		620								
Altitude	250							245			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.60	1.60	2.30	2.00	3.70	3.60	.90	2.20	.90	4.50	2.530
February	2.50	.30	2.80	3.10	5.50	1.00	1.10	1.60	1.30	3.10	2.230
March	2.10	1.80	.70	.60	.90	3.40	2.00	5.95	1.35	3.20	2.200
April .....	.70	1.10	1.20	.80	1.20	1.20	1.30	2.50	8.90	3.90	2.280
May	2.20	1.00	2.80	1.80	4.90	.50	1.20	1.90	2.10	3.60	2.200
June	2.40	.50	3.30	2.20	2.30	2.20	2.10	4.00	1.30	3.20	2.350
July	2.70	3.40	2.20	2.40	4.10	4.30	3.70	1.50	1.00	2.00	2.730
August	3.70	5.10	3.80	3.60	4.90	4.50	1.70	4.30	2.90	1.25	3.515
September....	2.40	7.70	2.60	3.20	.40	1.20	3.90	1.95	1.70	3.35	2.840
October	2.70	3.40	5.90	2.30	4.00	2.80	3.60	2.30	4.90	.80	3.270
November....	5.20	4.90	3.10	3.20	2.20	5.20	1.20	2.60	4.70	2.80	3.510
December	2.10	2.90	.70	2.20	3.00	4.10	7.30	4.80	2.70	5.40	3.520
TOTALS	32.30	33.70	31.40	27.40	37.10	34.00	30.00	35.60	33.75	37.10	33.235

1897 Edzell Church 1 1/2 mile S.S.E.

See next p.

33 335

Aug 1899 estimated

RAINFALL AT The Burn [Brechin] House

Lat. Lon. County of Kincardine

Rain Gauge, by Observer Col C. McInroy C.B.

North Esk - 1.

Diameter								5			
Height								0 6		11	
Altitude								250			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								1.94	.81	4.46	
February								1.50	1.27	3.34	
March								5.58	1.27	3.37	
April								2.40	8.50	4.01	
May								1.97	1.95	3.91	
June								4.08	1.33	3.41	
July								1.70	1.21	2.38	
August								4.38	3.10	1.43	
September....								2.05	1.65	3.69	
October								2.42	4.95	.88	
November....								2.44	4.61	2.71	
December								4.58	2.77	5.40	
TOTALS								35.04	33.42	38.99	

RAINFALL AT Fettercairn Manse

Lat.

Lon.

County of Kincardine

Rain Gauge, by

Observer A. C. Cameron Esq. LL.D.

North Esk - 1.

Rev. W. Anderson

Diameter	5							5			
Height	0 4							0 0	.	2	
Altitude	237 π							230 T	.		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.24	1.73	2.34	2.20	3.08	3.54	(.90)	1.11	.80	4.60	
February	1.74	.24	2.75	3.53	5.04	.72	(1.10)	1.13	1.91	3.03	
March	2.28	1.82	1.33	.42	.82	3.33	(2.00)	4.69	1.34	3.60	
April .....	.57	.70	1.32	.75	1.37	1.12	(1.30)	1.79	8.31	3.50	
May	2.55	1.09	3.50	1.82	4.48	.61	(1.20)	1.78	2.21	3.53	
June	2.24	.45	2.94	3.04	2.11	2.10	(2.10)	3.81	.99	2.63	
July	2.72	3.13	2.47	2.44	2.94	4.75	(3.60)	1.55	.81	2.50	
August	3.33	4.87	3.13	3.21	5.53	(4.30)	(1.70)	3.84	2.98	1.24	
September	1.23	6.97	2.35	3.02	.31	(1.15)	(3.80)	2.26	1.54	3.57	
October	2.32	3.10	5.34	2.18	3.94	(2.70)	(3.50)	2.26	4.19	.94	
November	4.48	4.31	3.04	3.45	1.54	(4.95)	(1.20)	2.33	5.65	2.39	
December	2.13	2.18	.72	1.98	2.64	(3.90)	(1.10)	4.24	2.24	2.86	
TOTALS	28.83	30.59	31.23	28.04	33.80	33.17	29.50	30.79	32.97	34.39	(31.33)

1890 Fettercairn Church 250 yards E

Hedge 4 ft high 12 ft NW

Manse 28 ft " 28 " N.

1895 Aug to Sept & 1896 Computed from
Johnstone Lodge & The Burn

RAINFALL AT Stonehaven, Mains of Bowie

Lat. Lon. County of Kincardine

Rain Gauge, by Observer John Hart Esq

Berri - 2.

Diameter					5						
Height					10						
Altitude					80						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			2.04	2.27	2.49	3.60	.46	1.28	.60	3.50	
February ....			.92	2.46	2.20	1.81	.80	.62	1.13	2.46	
March			1.30	.15	.91	3.14	1.81	2.94	1.56	1.98	
April .....			.54	2.62	1.23	1.40	.84	2.00	4.62	3.60	
May			1.62	.82	4.05	.84	.90	2.62	2.12	3.35	
June			2.70	3.27	1.70	1.99	2.27	3.06	1.14	1.10	
July			1.62	2.18	2.05	4.61	5.78	2.13	.42	2.91	
August			4.22	1.59	3.78	3.55	2.05	3.57	2.39	.49	
September....			1.88	3.48	.72	1.52	3.43	1.16	1.33	2.21	
October			5.88	2.15	1.98	5.78	4.12	2.34	2.92	.77	
November....			2.55	3.39	2.21	3.18	1.12	1.79	3.29	1.46	
December ....			.95	1.11	1.77	3.78	4.94	3.82	1.54	4.25	
TOTALS			26.22	25.49	25.09	35.20	28.52	27.33	23.06	28.08	

Recd. 7. V. 08. Entd. 26. XI. 08.

Not sheltered

1892-93 recd. 18.25. Entd. 18.25.

N.B. annual values rejected from Survey Map, 1929.

RAINFALL AT Guidleness

Lat. Lon. County of Lincolne

Rain Gauge, by Observer Board of Northern Lights

Berrie - 2.

Diameter ....	...										
Height	47											
Altitude	86											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	1.02	.33	1.59	.81	1.15	2.07	.24	2.10	1.15	3.51	1.397	
February ....	.29	.07	.68	1.49	.98	.72	.89	.28	1.29	1.98	.867	
March	1.89	.95	.14	.33	.30	2.15	1.73	3.42	1.86	1.25	1.402	
April	1.06	.48	.37	.43	.33	.44	1.31	1.90	4.09	3.01	1.342	
May	2.12	1.95	1.14	.46	2.12	.33	1.30	2.27	2.68	3.03	1.740	
June .....	.68	.14	1.03	2.48	1.16	1.57	2.64	3.08	1.48	.97	1.523	
July	1.76	1.60	1.01	2.15	2.88	2.74	3.19	1.68	.62	3.97	2.160	
August	2.36	3.19	1.40	1.34	3.15	3.62	2.17	3.60	2.64	.06	2.353	
September....	.45	4.55	.53	1.99	.52	.66	3.83	1.13	1.51	1.83	1.700	
October	2.63	1.59	3.19	1.88	1.68	3.87	3.44	1.88	1.53	.38	2.207	
November....	3.92	2.39	1.43	2.14	.90	2.41	1.15	1.65	3.20	.46	1.965	
December	1.47	1.03	.20	.75	1.54	3.99	6.54	3.42	1.16	3.76	2.386	
TOTALS	19.65	18.27	12.71	16.25	16.71	24.57	28.43	26.41	23.21	24.21	21.042	

N. B., Annual values rejected from Survey Map, 1929.

RAINFALL AT *Banchory Invercarnie Reservoir*
Aberdeen W.W.

Lat. Lon. County of *Kingarvie*

Rain Gauge, by Observer *W Dyack Esq C.R.*

Dec-3,

Diameter	12			12					12		
Height	10			10					0 10		
Altitude	205			205					205		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.25	.61	2.39	1.35	2.19	3.58	.35	1.76	.43	4.18	2.009
February	1.41	.22	2.68	2.92	1.51	1.50	.26	.46	.61	2.06	1.363
March	1.52	.85	1.50	.20	.12	2.63	1.34	4.09	1.75	2.79	1.679
April .....	.79	.37	.77	.34	.57	.17	.89	1.62	6.25	4.44	1.621
May	2.16	2.37	1.56	.75	4.50	.28	.93	1.69	2.92	3.96	2.112
June .....	.98	.44	2.51	2.64	1.14	2.60	2.85	3.81	1.44	2.02	2.043
July	2.47	3.47	1.55	2.51	3.87	2.99	4.34	1.23	.77	3.13	2.633
August	3.63	5.19	2.87	1.70	4.69	4.38	1.48	3.60	3.27	.92	3.173
September ....	.95	3.58	1.75	3.31	.29	.82	4.07	1.59	2.67	3.70	2.273
October	3.43	3.54	5.95	2.34	2.82	4.96	4.44	1.96	5.97	.90	3.631
November	5.36	3.14	1.04	3.78	1.26	2.57	1.22	1.91	4.36	3.21	2.785
December ....	.92	1.28	.87	1.78	1.85	3.90	5.57	3.36	1.85	5.52	2.690
TOTALS . . .	26.87	25.06	25.44	23.62	24.81	30.38	27.74	27.08	32.29	36.83	28.012

1893 Banchory Church 2 1/2 miles E
Shed 7 ft high 40 ft W
Tree 30 - " 110 - S

RAINFALL AT *Durris House [Drum oak]*

Lat. Lon. County of *Kenca rdine*

..... Rain Gauge, by Observer *M^r A. Reid*

Dec - 3.

Diameter											
Height											
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January											
February											
March											
April											
May											
June											
July											
August											
September....											
October											
November....											
December											
TOTALS . . .									<i>37.00</i>	<i>37.95</i>	

RAINFALL AT Braemar

Lat. Lon. County of Aberdeen

Rain Gauge, by Observer J. Aitken Esq

Dec - 1.

Diameter	8										
Height	0 9										
Altitude	1114 I										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	8.12	2.13	2.50	1.98	6.37	3.34	1.86	1.76	1.76	2.68	3.250
February	1.38	.23	2.38	3.37	5.68	.93	.83	1.52	2.38	1.96	2.066
March	3.32	2.53	.37	.57	2.79	2.29	2.33	5.92	1.67	2.46	2.425
April.....	1.81	1.63	.81	1.26	1.63	1.34	1.05	2.51	4.41	4.07	2.052
May	2.16	2.12	2.16	1.07	3.90	.55	.98	2.30	2.02	3.05	2.031
June	2.63	.87	1.87	2.73	2.02	2.67	3.01	4.19	1.27	1.09	2.235
July	3.35	2.93	2.16	3.16	3.07	3.19	3.23	1.76	.87	2.39	2.611
August	3.49	5.18	3.76	2.99	5.53	4.93	1.63	5.06	3.33	1.30	3.720
September....	3.01	4.17	3.26	3.46	.96	1.89	4.01	1.78	2.53	4.92	2.999
October.....	4.45	4.93	5.51	2.99	3.02	3.41	5.68	2.74	6.43	1.78	4.094
November....	5.03	3.45	2.60	3.05	2.10	3.74	1.14	2.23	4.64	6.70	3.468
December ....	.43	4.20	.71	3.82	4.21	4.44	4.51	4.99	5.22	3.06	3.559
TOTALS	39.18	34.37	28.09	30.45	41.28	32.72	30.26	36.76	36.53	35.46	34.510

1860-

RAINFALL AT *Balmoral Castle Royal Gardens*

Lat.

Lon.

County of

Aberdeen

Rain Gauge, by

Observer

sent by J.M. Trump

see - 1.

Diameter ..	8										
Height	0 10										
Altitude ..	927										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ..	5.41	1.13	3.19	.72	4.09	.50	1.12	3.00	1.58	3.45	2.419
February ..	1.20	.30	2.02	2.96	5.52	3.35	.52	2.72	3.84	2.75	2.518
March	2.68	2.63	.70	1.02	2.00	4.07	1.76	5.49	1.55	2.75	2.465
April	1.80	1.19	.13	.97	1.28	.88	.72	2.08	4.20	3.98	1.723
May	1.84	2.82	1.90	1.19	4.17	.75	.75	2.51	2.21	2.61	2.075
June	1.57	.52	1.49	1.97	.88	2.95	3.28	3.94	.99	.99	1.858
July	2.59	4.38	2.37	1.44	4.15	3.27	3.60	1.72	.76	2.73	2.701
August	3.29	4.15	4.02	2.21	5.66	3.98	1.39	2.72	3.06	1.13	3.161
September..	2.78	3.70	2.97	3.70	.94	1.45	3.72	1.26	2.42	5.76	2.870
October....	3.88	3.66	5.67	2.48	2.87	3.63	5.42	2.42	6.58	2.12	3.873
November..	5.43	3.72	1.90	4.33	.88	3.82	1.55	1.70	4.72	4.05	3.210
December ..	1.31	2.47	2.45	2.68	2.00	3.88	4.67	5.16	3.45	3.75	3.182
TOTALS ..	33.78	30.67	28.81	25.67	34.44	32.53	26.50	34.72	35.36	36.07	32.055

Received 15.1.09

Closed 22.2.09

RAINFALL AT *Forest of Glen Tana*

Lat.

Lon.

County of

Aberdeen

Rain Gauge, by

Observer

W. C. Brooks Bart

Dec - 1.

Diameter	5											
Height	10											
Altitude	576T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.10	1.43	3.32	2.57	4.13	4.23	.91	2.43	.95	2.97	2.704	
February	2.16	.20	3.86	2.46	5.24	2.45	.53	.77	2.49	1.13	2.109	
March	2.95	2.33	1.82	.19	1.58	3.55	.65	6.60	2.12	3.94	2.573	
April .....	.35	1.08	.79	1.26	1.76	.40	.61	2.54	6.50	2.97	1.826	
May	2.04	1.95	1.51	.63	3.11	1.09	.70	1.95	2.64	3.63	1.925	
June .....	.84	.63	1.85	2.25	1.67	2.11	2.15	3.28	1.91	1.37	1.806	
July	2.15	3.49	1.74	3.48	3.37	3.17	3.88	1.28	.58	3.63	2.677	
August	3.50	4.29	2.76	1.45	6.07	2.74	1.27	3.44	1.33	.60	2.745	
September	1.29	2.83	1.15	2.31	.69	.77	2.92	.87	1.26	3.24	1.753	
October	3.05	2.68	4.96	2.23	4.80	3.98	3.50	2.64	8.60	1.22	3.766	
November	3.58	2.96	2.07	.99	1.89	2.62	.55	2.17	4.69	4.09	2.561	
December	1.61	2.46	.48	2.65	2.17	2.32	3.79	3.88	1.13	3.01	2.350	
TOTALS	27.62	26.33	26.31	22.47	36.48	29.43	21.46	31.85	34.20	31.80	28.795	

1890 Aboyne Church 4 1/2 miles NE
 Thermometer Stand 5 ft 8 in high 10 ft NW

RAINFALL AT *Bromar Logie Coldstone Manse*

Lat.

Lon.

County of *Aberdeen*

Rain Gauge, by

Observer *Rev D. Davidson*

See - 1.

Diameter	5										
Height	10										
Altitude	694 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.86	1.11	2.73	1.88	2.51	4.47	1.12	3.17	.77	3.18	2.380
February	1.37	.22	2.03	3.56	2.70	1.99	.51	.66	2.14	1.67	1.685
March	2.99	1.98	1.01	.36	1.16	4.09	1.73	4.61	1.74	3.89	2.356
April	1.36	1.23	.78	1.05	1.11	.73	.97	1.26	4.88	3.66	1.703
May	1.24	2.71	2.60	.68	4.58	.64	1.21	2.01	2.12	2.59	2.038
June	2.11	.45	1.80	3.24	1.71	3.58	2.55	4.44	.91	1.33	2.212
July	2.63	4.47	2.23	2.46	3.51	3.26	2.80	1.72	.87	2.50	2.645
August	2.83	4.57	3.79	3.41	5.66	3.51	1.28	4.04	2.69	.61	3.239
September	1.88	4.35	2.36	3.38	.97	1.43	4.04	.95	2.34	4.24	2.594
October	4.69	2.34	5.63	2.63	2.55	5.19	6.26	1.80	4.65	.90	3.664
November	4.12	3.31	1.42	4.31	.67	2.05	1.02	2.08	3.88	1.85	2.471
December	1.83	1.60	1.39	1.57	2.22	3.90	5.03	2.85	2.05	3.64	2.608
TOTALS	29.91	28.34	27.77	28.53	29.35	34.84	28.52	29.59	29.04	30.06	29.595

1899 Logie Coldstone Church 1 mile S
Tree 50 ft high 80 ft S

1880

RAINFALL AT Cromar Logie Coldstone School

Lat.

Lon.

County of Aberdeen

Rain Gauge, by

Observer Mr H. Lowie

See 1.

Diameter		5									
Height		10									
Altitude		607 ^T									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			2.61	1.80	2.57	4.90	1.12	2.82			
February			2.37	3.63	3.09	1.46	.51	.60			
March .....			.95	.42	1.03	3.92	1.80	5.17			
April .....			.85	1.24	1.29	.93	.92	1.35			
May			2.68	.79	4.43	.70	1.22	2.06			
June			1.69	2.96	1.63	3.56	2.75	4.06			
July			2.28	2.75	3.24	3.27	2.97	1.71			
August			3.82	3.42	5.74	3.50	1.36	4.54 [#]			
September			2.36	3.42	.97	1.57	4.03				
October			5.12	2.51	2.71	5.63	5.72				
November		[#] 3.37	1.38	4.60	.70	2.31	1.07				
December		1.50	1.35	1.74	2.31	3.90	5.06				
TOTALS			27.46	29.28	29.71	35.65	28.53	observed			

1892 Logie Coldstone Church 39 yards E
 Fence 3 ft high 24 ft SW
 Trees 28 " " 51 " E & SE
 Wall 12 " " 78 " N

RAINFALL AT *Bromar Logie Coldstone Loanhead*

Lat.

Lon.

County of *Aberdeen*

Rain Gauge, by

Observer *Mrs A. Farquharson*

No. - 1.

Diameter	5.										
Height	1 0										
Altitude	743 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.86	1.24	2.65	1.68	2.89	4.45	1.10	3.42	.72	3.27	2.428
February	1.16	.21	1.87	3.18	3.06	1.78	.54	.59	2.21	1.68	1.628
March	2.88	2.27	.87	.31	1.57	3.63	1.83	4.59	1.88	4.03	2.386
April	1.29	1.19	.69	1.27	1.26	.95	1.02	1.37	4.95	3.66	1.765
May	1.21	2.75	2.66	.75	4.63	.78	1.27	2.16	2.22	2.52	2.095
June	2.01	.36	1.91	3.27	1.81	3.49	2.57	4.51	.92	1.41	2.226
July	2.48	4.74	2.42	2.49	3.45	3.45	2.86	1.73	.71	2.12	2.645
August	2.92	4.56	3.81	3.81	5.86	3.48	1.48	3.78	2.76	.78	3.324
September	1.88	3.92	2.57	4.24	1.04	1.54	4.20	.98	2.67	4.29	2.733
October	4.95	2.47	6.05	2.90	2.66	6.80	7.33	1.90	4.95	.85	4.086
November	3.94	3.44	1.44	4.55	.60	2.23	1.17	2.91	3.82	1.87	2.597
December	1.69	1.84	1.36	1.72	2.26	3.73	6.19	3.41	2.34	3.16	2.770
TOTALS	29.27	28.99	28.30	30.17	31.09	36.31	31.56	31.35	30.15	29.64	30.683

1890 Logie Coldstone 1 Mile S.S.E

House 20 ft high 42 ft N

Trees 23 " " 67 " E

1880

RAINFALL AT *Gromar Tillyprone*

Lat. Lon. County of *Aberdeen*

Rain Gauge, by Observer *Mr R. Littlejohn*

See - 1.

Diameter	5										
Height	10								40	10	
Altitude	1120 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.02	1.84	3.41	1.80	2.29	6.03	1.04	3.69	.81	3.60	2.653
February	1.49	.34	1.73	2.92	2.47	2.77	.60	.86	2.23	2.10	1.751
March	2.84	3.53	1.05	.49	.84	4.60	1.67	4.09	2.42	3.89	2.542
April	1.22	1.02	.87	1.53	1.26	.89	.79	1.35	4.42	3.97	1.732
May	1.39	3.31	2.63	.76	4.54	.91	1.27	1.92	2.74	2.90	2.237
June	2.28	.51	1.94	3.22	1.74	4.21	2.76	4.61	1.27	1.70	2.424
July	2.95	4.69	2.41	2.41	3.32	3.40	2.88	1.75	1.24	2.98	2.803
August	3.84	5.88	2.84	4.35	6.06	3.90	1.81	3.85	2.83	.94	3.630
September	1.89	4.29	2.31	4.01	1.18	1.60	4.40	1.47	2.67	2.90	2.672
October	4.41	1.88	5.78	3.03	2.80	6.08	6.01	1.74	6.39	2.67	4.079
November	4.08	3.37	1.27	4.11	.53	1.84	1.29	2.28	4.71	1.57	2.505
December	1.76	1.72	1.45	1.44	1.71	3.74	5.93	3.26	2.17	3.85	2.703
TOTALS	30.17	32.38	27.69	30.07	28.74	39.97	30.45	30.87	33.90	33.07	31.731

1890

Church $\frac{1}{2}$ mile SSW

Shrubs 4 ft high 20 ft SW + N

RAINFALL AT Mannofield Reservoir

Lat.

Lon.

County of

Aberdeen

Rain Gauge, by

Observer

C. H. Robert Esq. C.E.for City of AberdeenSee - 1.

Diameter							8				
Height							10				
Altitude							170				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											
TOTALS							31.83	28.53	27.12	29.11	

1896-1909 (Totals) Recd. IX.12 Entered 21.I.13.

RAINFALL AT Aberdeen Branford

Lat.

Lon.

County of

Aberdeen

Rain Gauge, by

Observer

D. Mc Hardy Esq

See - 1.

Diameter	5											
Height	10											
Altitude	120 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.83	1.02	3.58	2.67	2.51	5.13	.60	3.18	1.07	4.02	2.661	
February	1.01	.27	2.01	2.75	2.91	1.78	.96	.60	1.60	2.56	1.645	/
March	2.80	2.12	1.06	.73	.68	4.04	2.30	3.91	2.27	3.02	2.293	
April	1.46	.63	1.12	.66	1.15	1.37	1.48	2.51	5.51	3.81	1.970	
May	3.40	2.90	2.44	1.20	4.03	.69	1.25	2.39	3.10	3.26	2.466	/
June	1.85	.35	2.46	3.95	1.82	2.34	3.00	3.80	1.36	1.42	2.235	/
July	2.42	2.96	2.27	3.25	3.50	3.55	3.54	1.74	.78	2.97	2.698	/
August	3.28	4.77	3.86	1.77	4.75	3.52	2.41	3.07	2.95	.58	3.096	/
September	1.51	5.64	1.91	3.40	.62	1.44	4.33	1.52	1.62	3.62	2.561	
October	3.54	2.78	5.13	2.39	3.08	6.37	4.53	2.58	3.67	.89	3.496	/
November	5.56	4.30	2.74	4.22	1.44	3.95	1.38	1.95	4.14	1.36	3.104	
December	3.02	2.13	1.23	2.07	2.68	4.65	7.25	3.68	2.18	5.65	3.454	
TOTALS	32.68	29.87	29.81	29.06	29.17	38.83	33.03	30.93	30.25	33.16	31.679	

1890 Trees 18 ft high 64 ft N

" 24 " " 59 " S

" 20 " " 26 " E

" 6 " " 28 " W

1892 Mansfield Church 1/4 mile N

1896 February Gauge moved 4 ft SW

RAINFALL AT Aberdeen Duthie Park

Lat.

Lon.

County of Aberdeen

Rain Gauge, by

Observer Mr P. Harper

See - 1.

Diameter			5								
Height			1.	-							
Altitude			40					44			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			# (3.58)	2.42				3.14	1.02	3.74	
February			1.68	2.47				.59	1.51	2.38	
March .....			.78	.72				3.70	2.18	2.79	
April			1.03	.65				2.11	5.21	3.16	
May			1.94	1.06				2.11	2.80	2.99	
June			2.31	3.24				3.36	1.69	1.22	
July			2.06	3.11				1.58	.89	2.97	
August			4.57	2.60				3.05	2.96	.56	
September....			1.28	4.37				1.31	1.51	3.53	
October			4.01	2.59				2.39	3.07	.75	
November			2.62	2.55				1.51	3.87	1.37	
December			1.21	2.13				4.30	1.99	5.25	
TOTALS			(27.07)	26.91				29.15	28.70	30.71	

27.91

1892 January Granford value

1893 Return incorrect. Large corrections applied to every month; said to be in accordance with New Certificate

RAINFALL AT Aberdeen Rose Street

Lat.

Lon.

County of Aberdeen

Rain Gauge, by

Observer D. A. Quicksbank

See - 1.

Diameter	5										
Height	0 5										
Altitude	95 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.60	.87	3.38	2.29	2.29	4.07	.55				
February ....	.77	.16	1.95	2.43	2.75	.98	.81				
March	2.74	2.07	.99	.48	.77	3.20	1.92				
April	1.29	.38	.78	.60	.95	1.26	1.21				
May	3.06	2.43	2.16	.98	3.25	.73	1.24				
June	1.63	.37	2.18	3.29	1.65	2.02	2.45				
July	2.60	2.50	2.18	3.26	3.18	2.86	3.53				
August	2.73	4.33	3.36	1.79	4.24	2.94	1.99				
September	1.43	4.78	1.71	3.03	.40	1.17	3.70				
October	3.47	2.68	4.90	2.29	2.56	5.29	3.90				
November	5.13	3.61	2.71	3.64	1.47	3.80	1.13				
December	2.46	1.90	1.01	.93	2.01	3.97	7.35				
TOTALS	29.91	26.08	27.31	25.01	25.52	32.29	29.78	27.00	26.50	30.00	27.940

1890 Holburn Church $\frac{1}{5}$ mile NE
 Wall 6 ft high 15 ft N
 " 6 " 18 " E
 Tree 15 " 16 " SE

1897

1898

1899

estimated from Oranford and Kings Coll

Hyd Sta. No. 84 - 849903

N.R. N.J. (38) 933061

alt 30m

RAINFALL AT Aberdeen Gordon's Hospital

Lat.

Lon.

County of Aberdeen

Rain Gauge, by

Observer Dr Buchan

See -1.

Diameter	8										
Height	16										
Altitude	66 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.74	.77	3.58	2.81	2.49	4.01	.69				
February ....	.87	.27	1.92	2.46	2.88	1.63	.91				
March	3.04	2.70	1.17	.69	.71	3.50	2.16				
April	1.45	.52	.97	.79	1.04	1.51	1.39				
May	3.32	2.42	2.39	1.33	3.52	.63	1.46				
June	1.75	.47	2.40	3.54	1.55	1.83	2.17				
July	2.77	2.64	2.30	3.01	4.10	3.45	3.15				
August	2.63	5.11	3.51	2.36	4.79	3.35	2.06				
September	1.72	5.29	1.95	3.57	.62	1.40	4.16				
October	3.84	2.59	5.33	2.83	2.79	6.34	4.44				
November	5.57	3.77	2.84	4.16	1.57	3.93	1.28				
December	2.96	1.87	1.03	2.20	2.57	4.50	6.87				
TOTALS	32.66	28.42	29.39	29.75	28.63	36.08	30.74	Note Received			

RAINFALL AT *Midmar Dum Echt Observatory,*

Lat.

Lon.

County of *Aberdeen*

Rain Gauge, by

Observer *J. J. J. J.*

Dec - 1.

Diameter	8										
Height	0 11										
Altitude	461 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.12	.79	2.99	2.07	1.73						
February	1.34	.20	2.36	2.00	2.26						
March	2.28	1.84	1.05	.85	.49						
April	1.32	.43	.93	.84	1.37						
May	2.10	2.29	2.32	.75	4.04						
June	1.63	.26	1.86	3.79	1.69						
July	2.54	2.93	1.91	2.62	3.31						
August	2.51	4.21	3.13	2.66	5.59						
September	1.68	4.83	2.24	3.79	.84						
October	3.54	2.05	5.02	2.30	3.72						
November	4.70	4.26	2.01	4.04	.78						
December	2.52	1.24	1.00	1.80	1.85						
TOTALS	28.28	25.33	26.82	27.51	27.67						

1890 Echt Chund 1 1/2 miles S

Dum sloped Observatory 28 ft high 101 ft NNW

Useless repetition 1891 Observatory 28 ft high 101 ft NNW

RAINFALL AT Aberdeen Kings College

Lat.

Lon.

County of Aberdeen

Rain Gauge, by

Observer The Meteor Council

Don-2.

Diameter ....	...		8								
Height .....	...				20						
Altitude ....	...		48								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.75	1.00	3.52	2.90	2.44	3.93	0.64	2.85	0.97	3.30	2.430
February	0.85	0.26	1.98	2.44	2.64	1.55	0.87	0.56	1.73	2.21	1.509
March	2.94	2.60	1.22	0.68	0.71	3.53	2.13	3.47	2.32	2.71	2.231
April	1.44	0.49	0.97	0.81	1.02	1.52	1.37	2.33	4.71	3.15	1.781
May	3.26	2.46	2.40	1.32	3.56	0.74	1.43	2.43	2.96	2.72	2.328
June	1.72	0.47	2.39	3.52	1.53	1.88	2.77	3.42	1.45	1.12	2.027
July	2.76	2.64	2.56	3.14	4.10	3.34	3.15	1.74	0.81	3.73	2.797
August	2.68	5.03	3.46	2.39	4.70	3.35	2.06	3.15	2.67	0.72	3.021
September	1.73	5.12	1.98	3.47	0.61	1.39	4.20	1.64	1.70	3.65	2.549
October	3.85	2.56	5.40	2.49	2.89	6.32	4.40	2.37	2.86	0.75	3.389
November	5.65	3.89	2.61	4.20	1.57	3.92	1.28	1.83	3.28	1.32	2.955
December	2.81	1.93	1.32	2.14	2.78	4.31	6.87	2.89	2.07	4.90	3.202
TOTALS	32.44	28.45	29.81	29.50	28.55	35.78	31.17	28.68	27.53	30.28	30.219

Nyox. Sta. No. 84-841720

NQR: NJ (38) 939081

alt. 24m

RAINFALL AT Midmar Blackstock

Lat. Lon. County of Aberdeen

Rain Gauge, by Observer M. J. Barron

Don - 2.

Diameter	5										
Height	0 9										
Altitude	570 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.02	.67									
February	1.46	.05									
March	2.25	1.80									
April	1.11	.40									
May	1.53	1.94									
June	1.34	.29									
July	2.16	3.43									
August	3.28	3.90									
September....	1.45	3.74									
October	3.82	1.54									
November....	4.37	2.48									
December	1.99	.61									
TOTALS	26.78	20.85	NR								

1890 Cherry Church 2 Miles N E

RAINFALL AT Towie Culquoich

Lat. Lon. County of Aberdeen

Rain Gauge, by Observer J. L. Allardice

son - 2.

Diameter											5	
Height											1 6	
Altitude											800	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January										4.20		
February										1.75		
March										2.69		
April										5.22		
May										2.38		
June										1.18		
July										3.62		
August .....										.79		
September									# 2.69	3.56		
October									5.12	2.15		
November									3.81	1.83		
December									2.72	3.35		
TOTALS . . .										32.72		

Towie Church 1 ³/₄ miles E by S.

RAINFALL AT Towie Culquoich

Lat. Lon. County of Aberdeen

Rain Gauge, by Observer Mr F. Berry

Don - 2.

Diameter				5							
Height				10							
Altitude				780							
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January				# 1.50	2.15	2.10					
February				2.13	2.45	2.59					
March .....				.84	1.11	1.25					
April				1.36	1.50	1.30					
May .....				.98	5.70	1.75					
June				2.67	1.70	2.53					
July				2.38	4.27	4.32					
August				3.98	6.40	3.67					
September....				4.94	1.25	1.39					
October				2.87	3.42	2.09					
November....				2.80	.65	2.04					
December				3.48	2.00	3.05					
TOTALS				29.93	32.60	28.08					

1894 Towie Church 2 miles S.E.
Tree about 60 ft high 100 ft W

RAINFALL AT Inverurie Manor Farm

Lat. Lon. County of Aberdeen

Rain Gauge, by Observer Mr J. Walker

Don-2.

Diameter . . .		8									
Height		15 0									
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . . .		.92	2.60	2.30							
February . . . .		.35	2.36	2.85							
March		2.21	1.10	.45							
April . . . . .		.50	.80	1.24							
May		2.29	2.47	1.03							
June . . . . .		.28	1.65	2.25							
July		3.45	2.03	2.17							
August		3.98	3.20	3.54							
September		3.70	2.11	3.85							
October		1.60	5.27	2.05							
November		3.84	1.52	3.80							
December		1.42	1.31	1.58							
				#							
TOTALS		24.54	26.42	27.11							

RAINFALL AT *Inverurie Manse*

Lat.

Lon.

County of *Aberdeen*

Rain Gauge, by

Observer *Rev D. Davidson*

Don - 2.

Diameter	<i>9</i>										
Height	<i>0 4</i>										
Altitude	<i>220</i>										
Year	<i>1890</i>	<i>1891</i>	<i>1892</i>	<i>1893</i>	<i>1894</i>	<i>1895</i>	<i>1896</i>	<i>1897</i>	<i>1898</i>	<i>1899</i>	MEANS.
January	<i>2.55</i>	<i>3.00</i>									
February	<i>1.41</i>	<i>.88</i>									
March	<i>2.78</i>	<i>.38</i>									
April	<i>1.50</i>	<i>3.00</i>									
May	<i>2.50</i>	<i>.50</i>									
June	<i>1.88</i>	<i>2.40</i>									
July	<i>6.25</i>	<i>1.06</i>									
August		<i>3.13</i>									
September	<i>2.13</i>										
October	<i>4.19</i>	<i>4.50</i>									
November	<i>5.50</i>	<i>1.75</i>									
December	<i>3.00</i>	<i>3.37</i>									
TOTALS	<i>33.69</i>										

1890 Inverurie at 300 yards E

1891 Sept. gauge leaking

N.B. annual values rejected from Survey Map. 1929.

RAINFALL AT Ellon Mains of Waterton

Lat.

Lon.

County of

Aberdeen

Howard's bottle Rain Gauge, by Casella
Ythan - 3.

Observer J. F. Jamieson Esq

Diameter	5'										
Height	1' 0"										
Altitude	100?										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.20	1.07	3.37	2.74	1.66	3.91	.75	2.66	1.28	3.46	2.310
February	1.13	.34	2.65	2.97	2.32	1.85	.85	.72	2.49	1.61	1.693
March	3.13	3.19	.87	.57	.45	3.88	2.27	3.02	2.53	2.68	2.259'
April	1.24	.51	1.29	.76	.91	1.30	1.04	1.92	3.93	3.55	1.645'
May	2.58	2.64	2.75	1.07	3.77	.46	1.69	1.76	2.66	2.08	2.116'
June	1.69	.40	2.20	2.77	1.29	2.50	2.46	3.52	1.46	1.25	1.954
July	2.62	2.59	2.16	3.03	2.59	3.45	3.31	.90	1.17	4.11	2.593
August	2.64	4.34	3.33	1.64	4.99	4.10	1.88	2.91	2.30	1.33	2.946'
September....	1.61	6.05	2.21	4.34	1.29	1.10	4.27	2.38	1.84	3.52	2.861
October	4.99	1.51	6.73	2.97	3.05	6.87	4.47	2.72	3.18	1.09	3.758'
November....	5.68	2.78	2.41	3.98	1.03	2.85	1.05	1.83	3.65	1.09	2.635
December	2.72	1.62	1.27	2.09	2.76	5.65	7.04	2.56	2.37	4.84	3.292
TOTALS	32.23	27.04	31.24	28.93	26.11	37.92	31.08	26.90	28.86	30.61	30.092

On north bank of river Ythan

RAINFALL AT Gladde House

Lat. _____ Lon. _____ County of Aberdeen

Ythan-3. Rain Gauge, by _____ Observer Mr J Forest

Diameter	5										
Height	0 8				5						
Altitude	197 T				180						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.64	1.31	3.04	2.73	1.61	5.28	.83	4.52	1.23	3.99	2.718
February	1.41	.43	3.10	2.64	2.20	5.25	.95	.71	2.28	1.60	2.057
March	2.62	3.42	.98	1.58	.29	3.86	2.15	4.00	2.68	1.96	2.354
April .....	.95	.67	1.28	.95	.72	1.64	1.63	1.66	5.52	3.71	1.873
May	2.44	2.68	2.52	1.02	4.10	.56	1.54	1.96	2.81	1.84	2.147
June	1.84	.68	1.92	2.45	1.45	2.84	2.48	3.71	1.78	.97	2.012
July	3.13	2.73	2.77	3.39	3.42	2.98	2.96	1.44	1.47	4.47	2.876
August	2.73	4.56	3.92	2.11	7.23	3.38	1.62	3.05	2.98	.55	3.213
September....	1.62	5.58	2.59	4.88	1.02	1.20	4.22	2.40	1.96	4.08	2.955
October	4.52	2.47	5.91	3.60	3.39	6.73	5.75	2.18	3.40	1.07	3.902
November....	5.72	3.48	2.18	4.00	1.04	2.47	1.18	2.09	3.80	1.50	2.746
December	3.25	1.73	1.74	1.93	3.88	6.24	6.64	2.83	2.63	5.21	3.608
TOTALS	32.87	29.74	31.95	31.28	30.35	42.43	31.95	30.55	32.54	30.95	32.461

1890 Methodist Church 2 miles N
Tree 50 ft high 216 ft W
1894 1 Rain Gauge moved 200 yards S.W.

RAINFALL AT *Ellon Kermuck*

Lat.

Lon.

County of

Aberdeen

Rain Gauge, by

Observer

Mr J. Mair

Ythan - 3.

Diameter	<i>1 1/2</i>											
Height	<i>0 6</i>											
Altitude	<i>300 T</i>											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	<i>2.43</i>	<i>1.23</i>	<i>3.12</i>	<i>2.82</i>	<i>1.86</i>	<i>5.16</i>	<i>.97</i>	<i>3.03</i>	<i>1.39</i>	<i>3.71</i>	<i>2.572</i>	
February	<i>1.20</i>	<i>.45</i>	<i>2.93</i>	<i>2.50</i>	<i>1.94</i>	<i>3.09</i>	<i>1.09</i>	<i>.50</i>	<i>2.95</i>	<i>1.66</i>	<i>1.831</i>	
March	<i>3.26</i>	<i>3.54</i>	<i>.95</i>	<i>.92</i>	<i>.33</i>	<i>5.06</i>	<i>2.32</i>	<i>3.20</i>	<i>2.96</i>	<i>3.47</i>	<i>2.601</i>	
April	<i>1.31</i>	<i>.63</i>	<i>1.35</i>	<i>.72</i>	<i>.87</i>	<i>1.37</i>	<i>1.24</i>	<i>1.91</i>	<i>3.61</i>	<i>3.05</i>	<i>1.606</i>	
May	<i>2.41</i>	<i>2.55</i>	<i>2.60</i>	<i>1.00</i>	<i>3.54</i>	<i>.45</i>	<i>1.70</i>	<i>1.57</i>	<i>3.20</i>	<i>1.78</i>	<i>2.080</i>	
June	<i>1.84</i>	<i>.48</i>	<i>2.03</i>	<i>2.37</i>	<i>1.09</i>	<i>2.41</i>	<i>2.57</i>	<i>3.67</i>	<i>1.38</i>	<i>1.29</i>	<i>1.913</i>	
July	<i>3.41</i>	<i>2.32</i>	<i>2.40</i>	<i>2.63</i>	<i>2.82</i>	<i>3.98</i>	<i>3.50</i>	<i>.97</i>	<i>1.40</i>	<i>4.39</i>	<i>2.782</i>	
August	<i>2.83</i>	<i>4.85</i>	<i>3.12</i>	<i>1.75</i>	<i>8.49</i>	<i>4.56</i>	<i>2.37</i>	<i>3.57</i>	<i>2.69</i>	<i>.95</i>	<i>3.518</i>	
September	<i>1.80</i>	<i>5.65</i>	<i>2.34</i>	<i>4.22</i>	<i>1.09</i>	<i>1.14</i>	<i>4.40</i>	<i>2.99</i>	<i>1.99</i>	<i>3.76</i>	<i>2.928</i>	
October	<i>5.40</i>	<i>1.78</i>	<i>7.20</i>	<i>2.96</i>	<i>3.41</i>	<i>7.13</i>	<i>5.27</i>	<i>2.55</i>	<i>2.55</i>	<i>1.24</i>	<i>3.949</i>	
November	<i>6.59</i>	<i>2.88</i>	<i>2.58</i>	<i>5.11</i>	<i>1.34</i>	<i>3.03</i>	<i>1.35</i>	<i>2.22</i>	<i>3.49</i>	<i>1.09</i>	<i>2.968</i>	
December	<i>3.17</i>	<i>2.03</i>	<i>1.56</i>	<i>2.41</i>	<i>2.46</i>	<i>5.47</i>	<i>6.70</i>	<i>3.41</i>	<i>2.73</i>	<i>5.01</i>	<i>3.495</i>	
TOTALS	<i>35.65</i>	<i>28.39</i>	<i>32.18</i>	<i>29.41</i>	<i>29.24</i>	<i>42.85</i>	<i>33.48</i>	<i>29.59</i>	<i>30.34</i>	<i>31.40</i>	<i>32.253</i>	

1890 Ellon Church 4 Miles SW

Trees 20ft high 20ft E + W

RAINFALL AT *Peterhead Buchanness*

Lat.

Lon.

County of

Aberdeen

Rain Gauge, by

Observer

Board of Northern Lights

Ugic - 4.

Diameter ....	...									
Height .....	...									
Altitude ....	...									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.95	1.29	2.35	1.51	.85	2.96	.75	.92	.85	3.73	1.816
February	1.06	.37	2.00	3.57	2.54	1.09	.65	.60	1.25	1.42	1.455
March	3.06	2.15	.51	.73	1.34	3.41	2.89	3.25	1.31	1.79	2.044
April	3.10	.38	.95	.88	.12	.86	1.31	1.24	3.42	2.54	1.480
May	2.09	3.41	2.05	1.11	2.69	.42	.79	.17	1.13	1.62	1.548
June	2.09	.85	1.97	1.63	1.56	1.15	.89	1.35	1.11	.79	1.339
July	3.84	3.21	2.29	2.72	2.95	2.58	2.20	1.10	1.25	2.41	2.455
August	1.70	3.88	2.78	.59	3.28	3.26	1.42	2.71	1.94	.39	2.195
September....	.68	3.77	2.81	3.40	2.00	.92	4.40	2.72	1.13	3.32	2.515
October	2.97	2.90	6.91	3.27	3.72	5.26	4.19	3.35	3.40	1.37	3.734
November....	4.08	2.58	2.36	3.41	2.13	3.01	1.47	1.36	1.41	.68	2.249
December	3.02	.88	.40	1.80	3.43	3.10	3.90	3.96	1.86	4.74	2.709
TOTALS	30.64	25.67	27.38	24.62	26.61	28.02	24.86	22.73	20.06	24.80	25.539

RAINFALL AT Peterhead H.M. Pinner

Lat. Lon. County of Aberdeen

Rain Gauge, by Observer Dr. Buchan
type - 4. Dr. Buchan

Diameter											
Height											
Altitude					126			109			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January					3.30	2.29	1.42	1.46	.94	2.54	
February					1.79	1.22	1.17	.69	1.75	1.47	
March .....					.53	2.12	2.10	3.17	1.69	1.22	
April .....					.52	1.53	1.01	1.68	2.42	2.05	
May					2.49	1.38	1.34	.91	1.59	1.29	
June					1.08	1.56	1.66	2.76	1.33	.98	
July					2.63	3.32	2.20	1.44	1.15	2.59	
August					3.86	3.25	1.49	3.04	2.27	.75	
September					1.07	1.31	3.35	1.88	.95	3.35	
October					2.75	7.15	3.00	2.90	1.41	.99	
November					1.17	2.33	.98	1.07	2.90	.80	
December					2.12	3.24	4.13	2.64	3.54	2.84	
TOTALS					23.31	30.70	23.85	23.64	21.94	20.87	

RAINFALL AT New Deer Schoolhouse

Lat. Lon. County of Aberdeen

Rain Gauge, by Observer Mr Howie

4912-14

Diameter										5	
Height										10	
Altitude										407 ft	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January										3.56	
February										1.46	
March										2.17	
April										2.98	
May										2.07	
June										1.07	
July										2.65	
August .....										.66	
September										1.50	
October .....										.64	
November										1.32	
December										4.92	
TOTALS . . .										25.00	

New Deer Church 112 yards S
House 24 ft high 36 ft S

RAINFALL AT Old Deer

Lat. _____ Lon. _____ County of Aberdeen

Rain Gauge, by _____ Observer J. Walker Esq

Aug - 14

Diameter	5											
Height	2 0											
Altitude	135 π											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.16	1.16	3.58	2.52	2.21	4.47	1.48	3.91	1.47			
February	1.40	.53	2.86	3.27	2.86	2.21	1.12	.60	2.44			
March	3.42	3.62	1.12	.63	.42	3.31	2.18	3.86	2.58			
April	1.31	.48	1.64	1.12	.79	1.54	1.37	2.05	4.43			
May	2.51	2.52	2.54	.98	3.98	.34	1.41	1.36	2.76			
June	1.97	.33	2.05	2.57	1.23	2.47	2.29	3.33	1.14			
July	5.08	2.56	3.00	3.23	3.64	3.04	3.05	1.05	1.29			
August	3.32	5.10	3.51	2.40	3.76	3.26	1.83	3.39	3.26			
September....	1.92	4.53	2.39	3.84	1.32	1.17	5.20	2.89	1.39			
October	4.38	2.15	6.79	3.09	3.62	7.85	5.54	2.99	3.93			
November	6.54	3.12	2.86	4.11	1.17	2.83	1.35	2.08	3.63			
December	2.90	2.25	1.48	2.47	2.75	5.30	6.98	3.10	2.95			
TOTALS	36.91	28.35	33.82	30.23	27.75	37.79	33.80	30.61	31.27	30.00	32.053	

1890 Old Deer Church 50 yards E
Garden Wall 3 ft above gauge 5 ft W

1899 Estimated

RAINFALL AT New Deer Antamford Cottage

Lat.

Lon.

County of Aberdeen

Rain Gauge, by

Observer J. J. J. J. J.

Aug 14.

Diameter	5										
Height	10										
Altitude	551 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.06	.84	2.99	2.86	1.80	3.86	1.48	3.91	(1.47)	(3.56)	25.83
February	1.20	.52	1.66	3.05	1.03	1.55	1.12	.60	(2.44)	(1.46)	14.63
March	3.44	3.03	2.83	1.20	.70	3.21	2.18	3.86	(2.58)	(2.17)	25.20
April	1.20	.67	1.42	.77	.94	.85	1.37	2.05	(4.43)	(2.98)	16.60
May	2.44	2.65	2.90	1.06	4.13	.62	1.41	1.36	(2.76)	(2.07)	21.40
June	1.87	.58	1.79	2.97	1.22	2.81	2.29	3.33	(1.14)	(1.07)	19.07
July	3.97	4.51	2.84	3.04	3.69	3.05	3.05	1.05	(1.29)	(2.65)	29.10
August	2.97	4.81	3.41	2.80	4.16	3.48	1.83	3.39	(3.26)	(.66)	20.77
September ....	.99	3.50	2.47	5.38	1.80	1.28	5.20	2.89	(1.39)	(1.50)	26.40
October	5.86	2.14	9.17	3.00	4.34	6.52	5.54	2.99	(3.93)	(.64)	40.13
November	6.74	2.83	2.43	3.64	1.31	.64	1.35	2.08	(3.63)	(1.32)	25.97
December	2.97	1.97	3.22	2.06	3.72	4.44	6.98	3.10	(2.95)	(4.92)	36.33
TOTALS	36.71	28.05	37.13	31.83	28.84	32.31	(33.80)	(30.61)	(31.27)	(25.00)	315.55

Estimated { 1899 Schoolhouse
1896-98 Old Deer

Altitude 300'

Ans

RAINFALL AT *New Pitsligo*

Lat.

Lon.

County of *Aberdeen*

Rain Gauge, by

Observer

J. Mill Esq. R.G.R.

Hyd. - 4.

Diameter					5						
Height					1 0						
Altitude				495	500	495					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January					1.88	4.44					
February					2.86	2.49					
March .....					.39	3.49					
April .....				.86	.78	1.20					
May				1.54	4.72	.62					
June				2.55		3.16					
July				3.20	11.32	#					
August				3.47							
September....				3.44	1.49						
October.....				2.90	4.12						
November....				4.12	.85						
December				2.27	2.31						
TOTALS					30.72						

RAINFALL AT Kinnairdhead

Lat.

Lon.

County of

Aberdeen

Rain Gauge, by

Observer

Board of Northern Lights

1891-1892.

Diameter ....	...									
Height .....	...									
Altitude ....	...									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.27	1.05	1.97	1.70	1.75	3.33	.50	2.20	.22	3.70	1.869
February ....	.68	.85	1.30	2.10	2.35	1.58	.00	.10	.50	1.03	1.049
March	2.70	3.42	1.80	.80	.37	3.24	2.20	2.43	1.65	1.00	1.961
April	1.10	32	1.80	.36	.95	1.44	.65	.52	4.20	1.80	1.314
May	2.27	2.15	2.80	.93	4.37	.57	1.00	.30	1.00	1.00	1.639
June	1.58	.30	1.30	1.98	.99	1.12	2.00	1.90	.35	.65	1.217
July	2.89	3.39	2.50	2.98	3.02	1.42	2.70	.50	.45	1.55	2.140
August	3.38	3.05	2.70	1.24	3.76	.41	1.40	1.70	1.80	.60	2.004
September ....	.30	2.30	2.80	4.50	.62	.12	3.20	1.70	.45	4.15	2.014
October	4.22	1.95	5.70	3.32	1.21	4.20	5.00	1.20	2.15	.95	2.990
November	5.87	2.45	2.30	3.96	1.13	1.80	.90	1.90	2.15	1.20	2.366
December	1.74	1.10	1.20	2.76	2.70	7.55	4.00	1.80	2.15	3.15	2.815
TOTALS	29.00	22.33	28.17	26.63	23.22	26.78	23.55	16.25	17.07	20.78	23.378

RAINFALL AT Keith H.R.

Lat. Lon. County of Barff

Rain Gauge, by Observer The Station Agent

Owen - 2.

Diameter	5										
Height	10										
Altitude	364 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.25	1.57	1.84	2.28	1.71	1.95	1.32	.64	1.72	4.08	1.936
February	1.10	1.19	1.93	1.68	2.91	.75	.89	.56	2.80	1.10	1.491
March	2.14	2.13	1.31	.80	.71	3.95	2.50	4.13	3.16	2.23	2.306
April	1.54	.87	1.17	1.19	1.03	.97	2.05	.77	3.11	3.59	1.629
May	1.51	3.79	2.92	1.63	6.63	.79	1.67	1.98	3.41	1.79	2.612
June	2.61	.81	2.51	2.08	1.54	5.25	3.00	4.99	1.50	2.04	2.633
July	3.94	7.07	3.55	3.94	7.62	3.56	3.03	1.82	2.30	2.82	3.965
August	4.78	5.34	3.97	4.27	5.14	3.10	3.61	3.45	3.65	2.07	3.938
September	2.17	2.10	2.37	6.96	2.17	1.98	4.75	3.46	2.86	4.27	3.309
October	5.04	1.44	10.17	3.03	3.57	7.90	7.00	1.59	3.38	1.38	4.450
November	4.68	3.10	.98	3.81	.60	1.39	1.53	2.58	3.97	1.68	2.432
December	1.80	.91	.98	2.15	1.68	5.05	5.43	3.96	3.72	5.66	3.134
TOTALS	33.56	30.32	33.70	33.82	35.31	36.64	36.78	29.93	35.58	32.71	33.835

1893 Keith Church 1/2 mile S
 Passenger Station 30 ft high 150 ft E 1880

RAINFALL AT Banff Earl Hill

Lat.

Lon.

County of Banff

Rain Gauge, by

Observer A Ramsay Esq

Deveron - 2.

Diameter	5										
Height	10										
Altitude	1151										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.02	1.52	2.37	1.73	1.95	4.14	1.53	3.20	2.07	3.46	2.399
February	1.16	.86	2.63	3.04	2.94	1.51	1.08	1.02	2.44	1.46	1.814
March	3.16	2.98	1.33	.54	.36	3.04	2.03	3.66	2.36	3.56	2.302
April	1.41	.44	1.24	.87	1.05	1.17	1.48	.89	3.01	3.13	1.469
May	1.96	2.94	2.60	1.52	4.67	.38	1.88	1.17	2.79	1.66	2.157
June	2.67	.52	1.91	1.78	1.21	2.73	2.28	4.04	2.00	1.13	2.027
July	3.60	4.98	2.98	3.22	4.03	3.89	2.84	2.10	1.12	3.13	3.189
August	2.99	4.37	3.15	3.35	4.54	2.36	2.39	3.02	2.95	.77	2.989
September	2.07	2.39	2.95	5.40	1.06	1.78	4.49	3.96	2.15	3.54	2.979
October	4.26	1.80	6.47	2.81	3.31	7.84	4.11	1.97	3.39	1.03	3.699
November	5.56	2.60	1.62	3.74	.57	1.58	1.03	1.94	2.87	1.03	2.254
December	1.56	1.86	1.56	2.02	2.37	4.15	5.30	3.03	3.74	5.91	3.150
TOTALS	32.42	27.26	30.81	30.02	28.06	34.57	30.44	30.00	30.89	29.81	30.428

RAINFALL AT Boydie Whitehill

Lat.

Lon.

County of Banff

Rain Gauge, by

Observer Rev W. Anderson

Gaugeron - 2.

Diameter	5										
Height	10										
Altitude	68 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.10	1.40	2.29	1.88	1.66	3.95	1.30	2.00	2.42	3.41	
February ....	.90	1.05	2.17	2.88	2.57	1.38	1.01	.72	2.33		
March	2.68	2.60	1.03	.46	.33	3.06	2.05	3.50	2.28		
April	1.16	.44	1.29	.73	.87	1.29	1.24	.92	3.07		
May	1.65	3.19	3.09	1.33	4.69	.47	1.77	1.27	3.29		
June	2.71	.52	1.95	1.78	1.37	3.46	2.24	3.75	.98		
July	3.50	6.17	3.16	3.46	3.95	3.49	2.35	1.96	.97		
August	2.74	4.79	3.00	3.32	3.75	2.79	2.31	2.58	3.10		
September	1.98	2.17	2.69	4.88	.75	1.85	4.58	3.60	2.45		
October	4.63	1.78	6.69	2.62	2.61	7.91	4.37	1.77	3.34		
November	5.31	2.71	1.35	3.61	.51	1.40	1.19	2.17	2.95		
December	1.41	2.03	1.06	1.94	2.27	3.79	5.44	2.70	3.48		
TOTALS	30.77	28.85	29.77	28.89	25.33	34.84	29.85	26.94	30.66		(29.00)

RAINFALL AT *Cullen House*

Lat.

Lon.

County of *Danff*

Rain Gauge, by

Observer *Mr J.F. Smith*

Severon - 2.

Diameter	<i>5</i>										
Height	<i>1 0</i>										
Altitude	<i>100 T</i>										
Year	<i>1890</i>	<i>1891</i>	<i>1892</i>	<i>1893</i>	<i>1894</i>	<i>1895</i>	<i>1896</i>	<i>1897</i>	<i>1898</i>	<i>1899</i>	MEANS.
January	<i>2.27</i>	<i>2.50</i>	<i>2.75</i>	<i>2.40</i>	<i>2.10</i>	<i>4.95</i>	<i>1.60</i>	<i>2.50</i>	<i>1.95</i>	<i>1.40</i>	<i>2.442</i>
February	<i>2.85</i>	<i>.80</i>	<i>2.05</i>	<i>2.20</i>	<i>2.40</i>	<i>2.05</i>	<i>1.10</i>	<i>2.05</i>	<i>3.80</i>	<i>3.90</i>	<i>2.320</i>
March	<i>1.15</i>	<i>3.15</i>	<i>2.70</i>	<i>1.15</i>	<i>1.00</i>	<i>2.85</i>	<i>1.20</i>	<i>4.50</i>	<i>2.65</i>	<i>4.00</i>	<i>2.435</i>
April	<i>.80</i>	<i>.35</i>	<i>2.75</i>	<i>.95</i>	<i>1.50</i>	<i>.80</i>	<i>2.40</i>	<i>1.85</i>	<i>4.60</i>	<i>3.40</i>	<i>1.940</i>
May	<i>3.26</i>	<i>2.75</i>	<i>2.80</i>	<i>1.05</i>	<i>2.50</i>	<i>.25</i>	<i>1.75</i>	<i>.45</i>	<i>3.10</i>	<i>2.00</i>	<i>1.991</i>
June	<i>1.50</i>	<i>1.70</i>	<i>2.50</i>	<i>2.20</i>	<i>3.15</i>	<i>4.50</i>	<i>2.85</i>	<i>4.10</i>	<i>3.00</i>	<i>2.50</i>	<i>2.800</i>
July	<i>3.40</i>	<i>6.52</i>	<i>3.60</i>	<i>2.50</i>	<i>4.10</i>	<i>3.70</i>	<i>3.40</i>	<i>2.10</i>	<i>2.20</i>	<i>2.00</i>	<i>3.350</i>
August	<i>2.10</i>	<i>5.60</i>	<i>1.95</i>	<i>3.60</i>	<i>4.00</i>	<i>2.40</i>	<i>2.75</i>	<i>3.00</i>	<i>1.30</i>	<i>1.20</i>	<i>2.790</i>
September	<i>2.56</i>	<i>4.75</i>	<i>3.70</i>	<i>4.75</i>	<i>3.80</i>	<i>2.50</i>	<i>6.05</i>	<i>2.50</i>	<i>1.25</i>	<i>3.90</i>	<i>3.576</i>
October	<i>4.68</i>	<i>2.25</i>	<i>6.00</i>	<i>8.70</i>	<i>4.10</i>	<i>5.50</i>	<i>3.00</i>	<i>.95</i>	<i>3.10</i>	<i>1.20</i>	<i>3.948</i>
November	<i>4.88</i>	<i>3.80</i>	<i>4.55</i>	<i>2.60</i>	<i>.90</i>	<i>3.10</i>	<i>2.90</i>	<i>2.10</i>	<i>2.10</i>	<i>1.75</i>	<i>2.868</i>
December	<i>.40</i>	<i>2.20</i>	<i>.55</i>	<i>2.40</i>	<i>1.95</i>	<i>6.75</i>	<i>4.75</i>	<i>4.20</i>	<i>3.30</i>	<i>4.60</i>	<i>3.110</i>
TOTALS	<i>29.85</i>	<i>36.37</i>	<i>35.90</i>	<i>34.50</i>	<i>31.50</i>	<i>39.35</i>	<i>33.75</i>	<i>30.30</i>	<i>32.35</i>	<i>31.85</i>	<i>33.570</i>

1890 Cullen Church 1/2 mile E
Hedge 3 ft high 3 ft S

RAINFALL AT Aberlour

Lat.

Lon.

County of Perth

Rain Gauge, by

Observer J McGowan Esq

Spey. Bank - 3.

Diameter							5				
Height							10				
Altitude									300		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							1.28	1.98	1.63	3.40	
February ....							.63	.35	3.80	1.48	
March							1.92	4.48	2.94	2.44	
April							2.21	1.03	2.05	3.38	
May							1.26	2.48	2.52	2.12	
June							2.89	4.97	1.97	1.57	
July							2.57	1.26	2.40	3.42	
August							2.11	3.61	2.89	2.63	
September....							3.38	3.85	2.55	5.18	
October							8.92	1.31	3.13	1.11	
November							1.03	2.73	3.14	1.80	
December							3.85	2.96	3.73	3.91	
TOTALS							32.05	31.01	32.75	32.44	

Aberlour Ch 50 yards S
Wall 5 ft high 18 ft W & E

RAINFALL AT braigellachie, bragganspey
Lat. _____ Lon. _____ County of banff
Rain Gauge, by _____ Observer J. Stearns Esq.
Spey, Rbank - 3.

Diameter												
Height												
Altitude												
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January										2.89		
February										2.05		
March										3.20		
April										2.92		
May										1.23		
June										1.33		
July										3.53		
August										1.80		
September										4.38		
October .....										.63		
November										1.75		
December										5.32		
TOTALS										31.03		

Aberlour Church 2 1/2 miles S.W.

House Height 30 ft. Distance 60 ft. N.E.

RAINFALL AT *Gordon Castle*

Lat. Lon. County of *Elgin or Moray*
 Rain Gauge, by Observer *Mr C. Webster*

Spey, Rbank-2.

Diameter	8										
Height	10										
Altitude	107 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.32	1.91	3.16	1.81	1.91	4.11	1.16	2.18	2.16	3.50	2.422
February ....	.98	1.62	2.39	3.23	2.87	1.10	.75	.86	2.81	1.77	1.838
March	2.67	2.63	1.53	.71	.84	3.79	2.08	3.23	2.56	2.87	2.291
April .....	.76	.26	1.58	1.25	.79	1.35	1.51	1.13	1.64	4.67	1.494
May .....	.96	3.74	2.61	1.52	5.20	.72	1.52	1.55	2.13	2.17	2.212
June	2.42	.70	2.40	2.38	1.12	3.36	3.81	4.40	2.42	1.57	2.458
July	2.86	7.34	3.16	3.58	7.37	3.11	2.55	1.27	1.66	3.22	3.612
August	3.83	4.98	3.82	5.00	5.00	2.28	2.78	3.02	2.62	1.74	3.507
September ....	.96	2.26	2.27	6.21	1.53	1.96	4.53	3.45	2.96	3.20	2.933
October	5.14	1.15	7.72	3.38	2.70	7.61	5.27	1.16	2.93	1.73	3.879
November	4.15	2.31	1.30	4.14	.39	.99	1.80	2.43	3.20	1.39	2.210
December	1.38	2.11	1.54	1.94	2.23	4.42	3.88	3.39	3.38	4.98	2.925
TOTALS	28.43	31.01	33.48	35.15	31.95	34.80	31.64	28.07	30.47	32.81	31.781

1860-

Hydro. No. 824454

RAINFALL AT Grantown

Lat. Lon. County of Elgin or Moray
 Rain Gauge, by Observer Jr W. Duncan

Spey, L. bank - 3.

Diameter	5										
Height	1 1										
Altitude	7 1/2 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.45	1.61	4.01	2.72	2.72	4.84	1.49	2.47	1.64	2.63	2.758
February ....	.62	.93	2.51	2.56	4.94	.78	.60	.84	3.50	1.23	1.851
March	3.09	2.88	1.48	.66	1.87	4.35	1.99	2.85	2.23	2.90	2.430
April	1.99	.94	1.12	1.92	.85	1.20	2.27	1.31	1.51	3.69	1.680
May	1.12	4.14	2.29	1.11	4.78	1.74	1.71	1.79	3.10	1.33	2.311
June	1.90	1.80	2.61	2.27	2.10	4.32	3.35	4.13	1.63	1.88	2.599
July	3.86	5.32	3.31	3.00	4.68	2.66	2.95	1.05	1.65	3.46	3.194
August	3.97	4.87	2.38	3.93	5.20	3.92	2.44	4.52	2.58	1.18	3.499
September	1.51	2.16	2.74	5.47	1.51	2.00	4.20	2.88	2.80	5.06	3.033
October	4.15	1.27	6.98	2.66	2.22	5.30	6.61	.90	2.20	1.38	3.367
November	3.39	1.38	1.57	5.00	.55	1.32	1.12	2.53	3.06	2.20	2.212
December	1.72	2.78	2.31	1.94	2.82	2.62	2.83	2.92	3.54	4.12	2.760
TOTALS	30.77	30.08	33.31	33.24	34.24	35.05	31.56	28.19	29.44	31.06	31.694

1870-

RAINFALL AT Fraigellachie Wester Elchies School

Lat. Lon. County of Elgin or Moray

Spey - 3. old Rain Gauge, by Observer Mr J Milne

Diameter	8										
Height	10										
Altitude	560 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.28										
February ....	.76										
March	2.72										
April	1.94										
May .....	.78										
June	2.17										
July	4.05										
August	3.78										
September	1.97										
October	5.30										
November	4.05										
December	1.23										
	#										
TOTALS	31.03										

1890 Aberlour Church 1 Mile S.S.E
Rose 3 ft high 8 ft S.W.

RAINFALL AT *Graigellachie Wester Aches School*

Lat.

Lon.

County of *Elgin or Moray*

New Rain Gauge, by

Observer *Mr J Milne*

Spec - 3.

Diameter	5											
Height	10											
Altitude	560											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.21	2.27	6.63	2.44	2.09	4.39	.63	2.55	1.46	3.06	2.443	
February ....	.73	.41	2.51	2.69	3.20	1.64	.79	.77	2.97	1.24	1.695	
March	2.75	2.59	2.07	.94	1.22	4.14	2.00	2.20	2.70	2.17	2.278	
April	1.95	.86	1.24	.95	.93	1.30	2.25	1.05	1.60	2.94	1.507	
May .....	.80	3.66	2.16	1.95	6.00	.85	1.24	1.68	2.50	2.16	2.300	
June	2.20	.66	2.15	3.17	1.72	4.05	3.11	4.84	1.87	1.58	2.535	
July	4.12	7.42	3.67	3.58	5.43	3.30	2.67	1.43	2.53	4.15	3.830	
August	3.81	5.65	3.20	4.01	5.49	3.52	2.53	2.87	2.65	2.41	3.614	
September	2.00	2.07	2.49	5.83	2.41	1.84	4.48	3.97	2.48	4.94	3.251	
October	5.25	.83	9.66	2.94	3.50	8.17	9.34	1.01	2.53	1.04	4.427	
November	4.02	2.08	1.33	5.26	.49	.88	1.18	2.30	2.89	1.74	2.217	
December	1.25	1.62	1.90	1.91	2.61	3.29	2.97	3.00	3.18	4.84	2.657	
TOTALS	31.09	30.12	39.01	35.67	35.09	37.37	33.19	27.67	29.36	32.27	33.084	

1890 Aberdeen Channel 1 mile S.S.E

Wall 4ft 6in high 10ft E

1880-

RAINFALL AT *Elgin Highfield*

Lat.

Lon.

County of

Elgin or Moray

Rain Gauge, by

Observer

A. Cameron Esq

Lossi - 14.

Diameter	5											
Height	10											
Altitude	80 ^T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.80	1.41	2.77	2.02	1.59	3.65	1.26	1.67	2.82			
February ....	.68	1.95	2.32	2.38	3.63	1.10	.54	.91	3.06			
March	2.17	2.46	1.59	.90	.84	2.82	1.97	1.87	2.47			
April	1.11	.42	1.30	1.09	.59	1.39	1.63	.90	1.46			
May .....	.80	3.12	2.46	1.36	4.16	1.66	1.12	1.69	1.95			
June	2.41	.86	2.07	1.92	1.41	3.62	3.79	3.33	2.44			
July	3.37	6.67	3.09	3.53	6.23	3.91	3.18	1.14	1.56			
August	4.15	3.81	2.66	3.77	3.87	2.47	2.71	2.33	2.44			
September	1.98	2.57	2.51	5.09	.92	1.83	3.72	2.38	3.69			
October	3.65	.74	6.26	3.36	2.67	5.63	3.88	.91	2.69			
November	3.64	1.68	1.55	4.34	.36	.98	1.26	2.35	1.61			
December ....	.90	1.89	1.58	1.93	1.99	3.04	3.09	2.30	3.44			
TOTALS	27.66	27.58	30.16	31.69	28.26	32.10	28.15	21.78	29.63	observer above (29.00)		*

1895 Elgin Church 300 or 400 yards E

* Computed from Grange Hall & Gordon Castle

RAINFALL AT Elgin (Rotha.)

Lat. Lon. County of Moray - 4
Rain Gauge, by Observer W.C. Young, Esq.

Diameter	5"									5"	
Height	1' 0"									1' 0"	
Altitude	80									80'	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.62	1.92	2.42	1.50	1.80	3.60	1.08	1.30	2.39	3.22	21.85
February ....	.99	1.34	2.23	1.95	2.91	.95	.58	.88	2.60	1.60	16.03
March	1.87	2.18	1.59	.96	.82	2.41	1.75	2.04	2.57	2.39	18.58
April .....	.91	.88	1.16	1.06	.95	1.43	1.59	1.25	1.53	3.95	14.71
May .....	.92	2.59	2.43	.96	2.92	1.02	1.12	1.36	2.50	2.20	18.02
June	2.16	1.04	1.87	2.04	2.66	3.20	3.12	3.23	1.64	1.59	22.55
July	3.33	6.33	3.01	3.23	5.30	3.85	3.87	.95	1.84	3.36	35.07
August	3.53	3.71	2.60	3.61	3.70	2.40	2.60	3.13	2.10	1.65	29.03
September....	1.43	2.49	2.52	5.37	.80	1.96	3.49	2.45	3.90	3.62	28.03
October	4.65	.75	5.87	3.07	2.41	5.10	4.03	.95	2.60	1.00	30.43
November....	3.67	1.61	.95	3.77	.58	.95	1.05	1.88	3.30	1.54	19.30
December ....	.89	1.92	2.45	1.84	1.30	2.87	3.09	2.73	2.55	5.10	24.74
TOTALS	26.97	26.76	29.10	29.36	26.15	29.74	27.37	22.15	29.52	31.22	278.34

Back year 1884-1923 received 14/1930 File 563265/29

RAINFALL AT *bovesea*

Lat.

Lon.

County of

Elgin

Rain Gauge, by

Observer

Bd. of Northern Lights

Loose - H.

Diameter											
Height											
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.30	.58	1.42	1.26	.73	.77	.41	.55	.92	.70	
February		1.48	1.09	.85	2.26	.22	.33	.83	1.86	.56	
March .....	.88	1.51	.20	.46	.33	.96	.78	2.26	1.80	.78	
April .....	.36		.53	.36	.24	.14	.73	.60	.65	1.13	
May .....	.63	1.86	1.28	.75	2.29	.53	.68	.86	1.25	1.08	
June	1.77	.60	1.07	1.51	1.31	1.93	2.03	2.12	1.49	1.21	
July	2.14	4.94	1.17	1.90	4.37	1.96	1.74	.55	1.17	1.11	
August	3.63	1.43	1.61	2.05	2.06	1.55	1.24	2.48	1.60	.45	
September....	.28	1.81	1.67	3.11	.51	.86	1.62	1.77	1.82	1.38	
October	2.92	.35	4.05	1.69	1.54	2.24	1.92	.92	1.66	.32	
November	1.97	1.12	.70	1.64	.10	.50	.71	1.52	1.07	.80	
December		1.12	.89	.55	.71	1.28	1.24	1.49	1.29	1.69	
TOTALS			15.68	16.13	16.45	12.94	13.43	15.95	16.58	11.21	

N. B. annual values rejected from Survey Map, 1929.

RAINFALL AT Forres H.R.S.

Lat.

Lon.

County of Elgin or Moray

Rain Gauge, by

Observer The Station Agent

Findhorn - 5.

Diameter	5										
Height	10										
Altitude	25										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.54	1.61	2.40	1.87	1.61	3.14	1.28	1.22	1.65	2.56	1.988
February ....	.40	1.41	2.27	2.30	3.71	.83	.34	.62	2.66	1.28	1.582
March	2.00	1.59	1.29	.35	1.23	2.74	(1.70)	1.42	2.17	2.58	(1.707)
April .....	.72	.21	.91	.95	.53	1.38	(1.30)	.70	1.12	3.45	(1.127)
May .....	.56	2.50	2.13	1.19	3.22	1.10	(1.30)	1.04	2.44	2.65	(1.813)
June	1.81	.43	1.18	2.34	1.38	3.66	3.13	2.77	1.24	1.17	1.911
July	3.88	5.84	3.01	3.01	5.41	2.37	3.06	.72	1.57	2.82	3.169
August	4.55	2.45	2.50	3.19	3.90	2.90	1.96	2.49	1.82	1.59	2.735
September	2.46	1.27	2.10	4.03	.78	1.59	3.83	1.99	2.82	3.33	2.420
October	2.88	.49	5.10	3.65	1.77	4.60	2.92	1.00	2.21	.89	2.551
November	2.83	1.16	1.13	2.82	.29	.91	1.22	1.43	1.98	2.00	1.547
December ....	.51	1.62	1.34	1.20	1.36	2.50	2.50	2.28	3.51	4.59	2.141
TOTALS	25.14	20.58	25.36	26.90	25.19	27.72	(24.54)	17.68	25.19	28.91	(24.721)

1890 Forres Parish Ch 1/4 mile NE

Ry Station 50 ft high 100 ft SW

1896 March to May no record Grange Hall readings inserted.

N.B. annual values rejected from Survey Map, 1929.

RAINFALL AT Forres Grange Hall

Lat.

Lon.

County of Elgin or Moray

Rain Gauge, by Fincham - 5.

Observer J. Grant Peterkin Esq

Diameter	5										
Height	10										
Altitude	55T	52T									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.75	1.20	2.60	1.90	1.65	3.70	1.30	1.20	2.00	2.90	2.120
February ....	.50	1.80	2.50	2.25	3.30	.50	.45	.60	1.85	1.35	1.510
March	1.90	.95	1.70	.70	.80	3.10	1.70	1.70	1.95	2.80	1.730
April .....	.60	.70	1.10	1.10	.75	1.50	1.30	.50	1.20	3.80	1.265
May .....	.50	2.75	2.60	1.25	3.10	1.90	1.30	.52	2.10	2.55	1.847
June	2.10	.50	2.90	1.05	5.50	3.50	1.60	1.80	2.00	1.45	2.240
July	4.50	5.90	1.60	3.60	2.00	2.90	3.50	.90	2.50	2.60	3.000
August	4.00	2.65	3.25	3.30	3.75	2.60	2.40	2.20	2.80	1.25	2.820
September	1.65	1.35	2.20	3.90	.45	1.59	2.75	1.70	3.15	3.50	2.224
October	2.60	.60	5.00	4.30	2.20	4.48	4.00	.80	2.40	1.60	2.798
November	3.20	1.50	1.50	2.95	.34	1.00	1.20	1.80	1.80	1.00	1.629
December ....	.80	2.50	1.20	1.10	1.32	2.35	2.80	2.20	3.00	4.00	2.127
TOTALS	25.10	22.40	28.15	27.40	25.16	29.12	24.30	15.92	26.75	28.80	25.310

1890 Kinross Church 1 mile N
 Shrubbery 4 to 6 ft high 15 ft N.W.

RAINFALL AT *Kimloss*

Lat. Lon. County of *Elgin or Moray*

Rain Gauge, by *Finchom - 5.* Observer *J. Mackessack Esq*

Diameter							5					
Height							1	3				
Altitude							20					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January							1.57	1.07	1.81	2.81		
February ....							.27	1.19	2.68	1.40		
March							1.78	1.67	2.15	2.24		
April							1.26	.69	1.18	3.96		
May .....							.98	1.05	2.07	2.46		
June							3.02	2.39	1.80	1.59		
July							3.22	.84	1.77	2.60		
August							1.83	2.54	2.20	.87		
September....							2.84	1.93	2.92	3.62		
October							4.33	1.02	2.45	.68		
November							1.10	1.40	1.74	1.89		
December							2.98	2.55	3.87	3.95		
TOTALS				26.16	23.33	25.52	25.18	18.34	26.64	28.07		

Kimloss Church 1/4 mile NW

RAINFALL AT *Ardclach Glenferness*

Lat.

Lon.

County of *Naism*

Rain Gauge, by

Observer *Earl of Leven Mr Macdonald*

Fairholm - 1.

Diameter								8			
Height								1.6			
Altitude								750			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								1.67	2.02	3.42	
February								1.32	3.94	1.42	
March								2.49	3.47	3.51	
April								1.23	1.74	4.54	
May								1.71	2.36	2.45	
June								4.34	2.73	.76	
July								1.27	2.62	3.66	
August								3.05	3.93	1.70	
September....								3.13	2.66	4.94	
October.....								1.36	1.91	1.78	
November....								2.75	3.37	3.37	
December								3.12	5.75	3.96	
TOTALS . . .								27.44	36.50	35.51	

RAINFALL AT Cawdor [Naïm] Budgate
 Lat. Lon. County of East Inverness Naïm
 Rain Gauge, by Observer J. Joss Esq

Naïm - 2.

Diameter	5										
Height	10										
Altitude	250 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.40	1.87	3.41	1.87	2.40	2.85	1.54	1.58	2.28	3.77	2.497
February ....	.50	1.77	2.32	3.73	5.11	1.17	.80	.98	3.35	1.46	2.119
March	3.03	2.41	1.64	1.28	1.87	4.18	2.22	1.89	2.38	2.56	2.346
April .....	.78	.56	1.17	1.59	1.08	1.74	1.57	.79	1.64	4.36	1.528
May	1.22	3.44	2.40	1.25	4.20	1.74	.57	1.59	2.77	2.57	2.175
June	1.87	.87	2.28	3.14	1.63	4.34	4.49	3.63	1.84	1.25	2.534
July	3.24	7.11	2.95	2.55	4.57	3.11	3.74	1.04	1.90	3.35	3.356
August	4.90	3.13	3.20	2.90	4.51	3.21	2.09	2.43	3.11	.82	3.030
September	1.65	1.98	2.82	4.03	1.08	1.76	3.94	2.49	3.34	4.72	2.781
October	4.37	1.05	5.82	3.55	2.17	5.01	5.01	1.13	2.04	1.26	3.141
November	2.73	1.24	1.46	3.73	.64	1.53	1.24	2.44	3.11	2.83	2.095
December ....	.77	2.89	1.57	2.19	2.47	3.22	2.80	3.04	4.32	4.14	2.741
TOTALS	28.46	28.32	31.04	31.81	31.73	33.86	30.01	23.03	32.08	33.09	30.343

1890 Cawdor Church $\frac{1}{4}$ mile NE
 Wall 5ft high 15ft E
 Trees 40 " " 120 " N

-1870

RAINFALL AT Nanni Achareidh

Lat. Lon. County of Nanni

Rain Gauge, by Observer Col Clarke

Nanni - 2.

Diameter	8										
Height	10										
Altitude	50			59							
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.63	1.07	3.55	1.59	1.51	2.83	1.41	1.49	1.87	2.96	2.091
February ....	.34	2.06	1.84	2.75	4.15	.91	.43	.66	2.23	1.44	1.681
March	2.53	1.69	1.75	.84	1.22	2.87	1.89	1.70	1.96	2.26	1.871
April .....	.99	.35	.94	1.19	.68	1.38	1.27	.50	1.37	3.79	1.246
May .....	.77	2.96	2.01	1.05	3.31	1.56	.86	1.23	2.07	2.24	1.806
June	1.75	.76	1.52	1.86	1.33	3.70	3.22	2.71	1.05	1.52	1.942
July	3.76	5.20	2.51	2.42	4.51	2.54	3.16	.61	1.80	2.45	2.896
August	4.91	2.36	2.43	3.57	3.92	3.22	1.92	2.12	2.23	.64	2.732
September	59	1.95	2.69	3.62	.70	1.28	3.61	2.02	2.68	3.62	2.276
October	3.86	.62	5.27	3.83	2.27	4.02	3.15	.86	1.68	.82	2.638
November	2.65	1.05	1.06	3.23	.42	1.06	.99	1.76	2.15	1.73	1.610
December ....	.73	1.92	1.19	1.38	1.50	2.76	2.35	2.24	3.79	3.75	2.161
TOTALS	25.51	21.99	26.76	27.33	25.52	28.13	24.26	17.90	24.88	27.22	24.950

1891 Nanni Church 1 1/2 miles N E
House 30 ft high 15³⁰ N E

Hydro. No. 805939

RAINFALL AT *Navin Deluies*

Lat. Lon. County of *Navin*

Navin - 2. Rain Gauge, by Observer *D. Buchan*

Diameter											
Height											
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January						2.61	1.57				
February ....						.88	.60				
March						2.72	1.96				
April						1.41	1.31				
May						1.30	.82				
June						3.72	3.25				
July						2.41	3.24				
August						3.12	1.81				
September....						1.32	3.61				
October						4.10	3.06				
November....						1.22	.99				
December						2.83	2.43				
TOTALS . . .						27.64	24.65				

See next sheet.

N. B. Annual values repeated from Lersey sheet, 1929.

RAINFALL AT Nain School House

Lat. _____ Lon. _____ County of Nain

Rain Gauge, by _____ Observer The Meter Council

Nain - 2.

Diameter	8										
Height	19										
Altitude	84										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.14	1.40	2.48	1.46	1.89	2.61	1.57	1.37	2.05	3.03	2.100
February ....	.45	2.10	2.04	2.67	4.57	.88	.60	.93	2.68	1.45	1.837
March	2.36	1.44	1.72	.81	1.63	2.72	1.96	1.73	2.02	2.22	1.861
April .....	.99	.44	1.16	1.19	.69	1.41	1.31	.65	1.40	4.00	1.324
May .....	.83	2.77	2.15	1.03	3.03	1.30	.82	1.42	2.08	2.37	1.780
June	1.68	.95	1.42	1.91	1.39	3.72	3.25	2.77	1.01	1.47	1.957
July	3.88	5.49	2.63	2.55	4.28	2.41	3.24	.77	2.07	2.37	2.969
August	4.58	2.16	2.53	3.33	3.93	3.12	1.81	2.11	2.30	.65	2.652
September	1.63	1.91	2.47	3.48	.68	1.32	3.61	2.15	2.84	3.92	2.401
October	3.35	.66	5.10	3.57	2.35	4.10	3.06	.94	1.77	.94	2.584
November	2.41	1.07	1.08	3.10	.46	1.22	.97	1.79	2.37	2.09	1.656
December ....	.58	2.10	1.16	1.74	1.49	2.83	2.55	2.57	4.25	3.72	2.299
TOTALS	25.88	22.49	25.94	26.84	26.39	27.64	24.75	19.20	26.84	28.23	25.420

1880

N. B. Annual values rejected from Survey Map, 1929.

