

RAINFALL AT Kinfauns Castle

423

10

Perth.

Observer

Rain
Gauge

Diameter

in.

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

Gauge on Tower

Above Mean Sea Level 129 ft.

Tay L. water 16.

YEAR.....	1811	1812	1813	1814	1815	1816	1817	1818	1819	MEANS.
January.....	1.45	.72	1.05	.60	.70	1.52	1.42	2.45	2.49	
February	2.63	2.16	2.66	.63	1.50	.60	1.50	.86	1.40	
March90	.86	.41	.85	1.50	1.00	.90	1.62	.80	
April	1.91	1.38	.73	1.75	1.04	.76	.40	1.03	3.45	
May	3.12	1.41	2.50	.75	2.22	1.80	2.80	1.67	.92	
June	2.20	2.89	1.07	.57	.71	1.16	4.08	1.34	1.96	
July	2.86	2.56	2.44	1.72	1.80	3.00	3.00	3.20	.95	
August	2.71	2.38	.63	2.60	1.52	2.80	4.00	.70	1.25	
September.....	1.78	1.06	1.72	.57	1.69	2.27	.77	1.99	1.30	
October	4.41	3.18	1.70	1.02	2.42	1.55	1.05	1.40	3.88	
November	2.97	3.50	1.47	2.30	1.25	1.50	2.30	2.22	1.50	
December.....	1.90	.65	.75	2.23	1.35	1.65	1.34	1.41	1.32	
TOTALS.....	28.74	22.75	17.33	15.59	17.70	19.61	23.56	19.89	21.22	

From Original Register Book returned.
The Printed Cards for 1814 & 1817 give the following

Gauge No 1 On a conical detached hill 600ft above sea	1814	1817
2 Centre of Garden	33.84	44.40
3 Kinfauns Castle	20.05	31.01

The cards give monthly totals which add to 15.59 in 1814 and 31.01 in 1817. It will be seen that 1814 agrees with the Register Book but 1817 does not. The Register Book gives no information as to the gauge & does not suggest any change

RAINFALL AT Kinfauns Castle

10

Perth.

Rain By.....
 Gauge Diameter..... in. Height above Ground, ft. in.

Above Mean Sea Level, ft.

L. bank - 16. Castle Tower

Garden

YEAR	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	MEANS.
January	1.45	72	1.05	-60				1.75		4.20	
February	2.63	2.16	2.66	-63				1.90		2.45	
March90	.86	.41	.85				1.10		1.10	
April	1.91	1.38	1.73	1.75				.50		4.50	
May	3.12	1.41	2.50	.75				3.10		1.15	
June	2.20	2.89	1.07	.57				4.80		2.35	
July	2.86	2.58	2.44	1.72				3.85		1.20	
August	2.71	2.38	.63	2.60				5.25		1.40	
September ...	1.78	1.06	1.72	.57				.85		1.70	
October	4.41	3.18	1.70	1.02				1.55		4.20	
November ...	2.97	3.50	1.47	2.30				2.70		1.80	
December.....	1.80	.65	.95	2.23				3.66		2.55	
TOTALS.....	28.74	22.75	17.33	15.59	24.20	24.95	31.01	28.07	28.60		

Totals 1815-19 from Total book

In 1814 3 gauges were in use 1814 1817

No 1 On a conical hill 600 feet above sea 33.84 in. 44.40 in.

2 Centre of garden 20 " " 20.05. 31.01.

3 Kinfauns Castle 129 " " 15.59. 23.56.

1819 (monthly totals) Recd. from Mr R. C. Rossman and entered 30.X.1919.

Rainfall at Kinfauns Castle

Lat. 56.23.30N

20

S. V

Perth.

Observer Mr Hon. Lord Gray

Authority

7193

Centre of the Kinfauns Garden

Say, L. bank - 16.

In a garden 20 ft above S. L.

YEAR	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	MEANS.
January	2.30		.95	3.50	1.35	1.45		2.50	3.40	5.00	
February	1.40		3.20	3.50	1.45	.95		1.90	3.30	2.00	
March	.50		3.40	1.30	1.05	1.20		2.70	1.00	1.50	
April	.90		1.64	1.00	1.00	2.40		3.70	2.80	3.00	
May	5.20		1.30	2.20	.40	2.60		3.20	2.75	1.70	
June	1.60		.50	1.00	1.75	2.50		1.50	1.90	1.00	
July	1.00		4.00	6.35	1.80	.30		2.90	2.50	5.85	
August	2.20		3.50	3.50	1.70	2.00		2.70	4.50	5.40	
September	1.20		1.00	1.65	2.20	2.35		1.50	1.50	2.75	
October	2.50		4.10	3.55	4.00	2.15		5.70	2.00	2.50	
November	1.70		3.20	1.45	4.40	2.80		2.20	5.00	2.80	
December	2.20		1.01	4.45	2.90	3.20		4.40	3.00	1.50	
TOTALS	23.50	21.18	27.80	33.45	24.00	23.90	19.35	34.90	33.65	35.60	27.733

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Fall on the Tower ^{above S. L.}1820 18.5 = 129 ft 1820 ¹⁸²⁰ Ed. New Phil. Jour.1821 29. ⁺ 48.5 ¹⁸²¹ Ed. Journal of Scien.

1822 *20.12 * Given as 20.22 in M. S. Ed. M. Phil. Jour.

1823 26.31 7 Ed. Farm Mag.

1824 20.18 = 150 ft

¹⁸²¹ 3.20

J. .60

2.50

2.35

1.70

.50

1.10

1.15

2.10

1.75

5.25

4.80

29.00

1825 23.45 = 140 ft

1826 19.80

1827 35.60 =

1828 34.40 = 140 ft

1829 36.00 = 180 ft

263.36

from Luke Howard MS (Wharriest 1:6)

Rainfall at Kinfauns Castle

S-W

Perth.

Observer -

Authority

4393

Tay, Rbank - 16. In the Garden.

20 ft. above Sea Level

YEAR - -	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January - -	2.00	1.45	.85	.50	4.30	1.55	3.40	1.70	1.45	1.35	
February - -	2.00	2.90	1.20	4.50	1.50	2.15	1.60	3.40	.86	1.56	
March - - -	1.20	3.20	1.60	2.00	1.40	2.00	4.35	.95	2.04	2.55	
April - - -	2.90	1.40	2.20	2.50	.90	.50	1.50	2.35	1.35	1.08	
May - - - -	3.70	1.70	1.49	1.40	1.25	2.90	.88	1.85	3.15	.90	
June - - - -	2.50	2.30	2.96	4.50	2.25	.80	3.80	2.45	5.82	2.80	
July - - - -	5.20	1.65	1.20	4.80	1.65	1.20	3.65	5.20	3.24	4.27	
August - - -	5.00	2.45	3.00	1.90	1.55	3.65	1.65	2.80	3.52	1.68	
September -	5.00	2.20	2.20	3.20	3.25	4.15	4.05	1.33	3.43	5.85	
October - -	.35	5.00	4.25	2.65	1.60	2.30	3.60	2.05	1.84	3.10	
November -	3.00	2.00	2.40	2.00	2.70	2.00	3.50	1.55	2.65	3.41	
December -	4.00	2.80	2.90	3.60	.75	1.60	2.40	2.17	1.26	3.18	
TOTALS -	36.85	29.05	26.25	33.05	23.10	25.60	33.88	27.80	30.60	32.23	

On The Tower - Above S.L.

1830	36.85 at 180 ft	30	Ed Phil Journ
1	28.95 at 180 ft	32.9	Ed Phil Journ
2	26.15 at 180 ft	4.9	Stat Acc.
3	33.65 at 180 ft		
4	28.25 at 180 ft		
5	25.75 at 180 ft		
6	33.17 at 180 ft		
7	27.49 at 180 ft		
8	30.93 at 180 ft		
9	32.71 at 180 ft		

All the above values correspond with a set of the annual printed cards received from Kinfauns Castle in 1896

Rainfall at Kinfaws

S-X 40
Perth

Observer -

Authority

Centre of Kinfaws Garden

Gauge

May, L. vanke - 16.

Above Sea Level 20ft

YEAR	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January	3.96	2.30	2.41								
February	2.12	1.85	1.91								
March	2.25	1.55	2.67	1.35							
April	1.14	1.38	.00								
May	2.85	1.56	2.10								
June	1.60	1.91	1.33	2.10							
July	4.45	3.96	2.09	3.09							
August	1.98	4.76	1.80								
September	2.23	2.65	1.42								
October	2.97	4.66	.85								
November	2.17	2.12	2.70								
December	1.45	2.40	2.94								
TOTALS	25.17	31.10	23.10								

4580

402 Ed Phil Four

On the Square Tower

Stat Acc't of

1840 at 100ft above S.L. = 25.22 C 3? Ed Phil Four 4-72

1 at 100ft . . . = 30.89 C

2 at 100ft . . . = . . .

RAINFALL AT Perth Kinfauns Castle Gardens

Lat.

Lon.

County of Perth

Rain Gauge, by

Tay, L. bank - 16.

Observer Col. J. G. Stuart Gray

Diameter										5	
Height										1 3	
Altitude										20	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January										1.02	3.87
February83	2.34
March37	1.89
April										3.77	2.55
May										2.84	4.18
June										1.61	1.81
July97	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 Kinfarns Castle

Lat. $56^{\circ} 23' 30''$ N

Long. $3^{\circ} 22' 14''$ E County of Perth

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.
January86	1.34	1.01	3.69	
February72	1.01	.61	2.13	
March							1.35	3.03	.34	1.97	
April94	1.37	3.51	2.59	
May41	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							6.75	2.38	2.17	2.85	1.06
September85	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	

Kinfarns Church 1 Mile E

Corner of Castle 40 ft high 20 ft N

RAINFALL AT Perth Kinfauns Castle

Lat.

Lon.

County of

Perth

Rain Gauge, by

Observer Col. F. J. Stuart Gray

May, L bank - 16.

Diameter ..	5										MEANS.
Height ..	16 0										
Altitude ..	150 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ..	3.70										
February ..	2.24										
March ..	1.13										
April ..	1.61										
May ..	1.59										
June ..	2.41										
July ..	3.21										
August ..	4.36										
September ..	2.18										
October ..	3.57										
November ..	4.06										
December ..	3.78										
TOTALS ..	33.84										

1900 Kinfauns Church 1.9 Mile E
 Concrete 40 ft high 20 ft W

average computed $\times 37$ from records 1896-1900 rejected
 from Survey as 5" too low.

RAINFALL AT Perth Kinfauns Castle Garden

Lat. Lon. County of Perth

Rain Gauge, by Observer Col F. J. Stuart-Grey
Tay, L bank - 16. W. Bonwick Esq.

Diameter ..	5										MEANS.
Height	1 3										
Altitude ..	20										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ..	3.98			4.25							
February ..	3.06			3.44							
March ..	1.17			4.23							
April ..	1.66			.87							
May ..	1.64			1.19							
June ..	2.60			1.80							
July ..	3.35			4.29							
August ..	4.35			4.53							
September ..	2.27			2.22							
October ..	3.63			5.66							
November ..	4.34			1.05							
December ..	4.07			2.63							
TOTALS ..	36.12			36.16							

1900 Kinfauns Church 1 mile E
House 40 ft high 35 ft N

Records for the 4 years 1898-1900, 1903 were
considered to be 3° too low (see Rainfall Survey
of Perth, completed XI/37)