

Belvoir Castle

50

Leicester.

W Ingram

Mps Rel No 127

Diam 8 in + Ground 1 ft + Sea Level 237 ft
Trent ft.

YEAR - -					1855	1856	1857	1858	1859	MEANS.
January - -					.60	1.10	3.10	.29	.80	
February - -					1.90	1.52	.54	.38	1.35	
March - - -					1.10	.35	1.75	.98	1.33	
April - - -					.80	1.95	2.98	2.59	2.81	
May - - - -					1.20	2.46	.74	2.30	1.56	
June - - - -					2.90	1.49	1.09	.74	2.99	
July - - - -					4.40	1.93	2.21	1.79	1.80	
August - - -					1.60	4.25	5.84	3.43	2.22	
September -					.60	3.50	2.38	2.13	1.61	
October - -					5.60	3.01	2.30	3.36	2.84	
November -					2.10	1.76	1.64	.73	1.85	
December -					.80	1.18	.29	1.94	1.90	
TOTALS -					23.80	24.50	24.94	20.74	22.96	

✓ 0 25.04
 ✓ 0 0

Belvoir Castle.

Leicester.

Wm. Ingram

Mps. Ref. No.
1465 67 & 68
1864Diam. 8 in + Ground 8 inches bet Sea level 237 ft
Trent - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.92	.58	1.65	2.70	.57	2.59	1.50	3.12	1.88	2.93	2.044
February - -	1.08	1.68	.42	.26	.98	2.06	2.09	1.73	1.54	2.53	1.439 -
March - - -	1.67	2.15	3.20	.58	2.75	1.31	1.64	2.90	1.90	2.75	2.083
April - - -	.57	1.25	1.59	1.11	1.89	.67	1.40	2.41	1.69	2.47	1.505
May - - - -	2.76	1.56	2.88	.54	.96	2.34	1.24	2.90	.51	4.74	2.043
June - - - -	3.54	2.77	2.09	2.70	1.33	1.41	3.12	1.85	.49	1.50	2.080
July - - - -	1.54	4.75	1.82	.93	.25	3.00	3.21	2.70	.10	.78	1.908
August - - -	5.60	.46	2.77	1.58	.56	3.54	4.73	2.65	2.94	1.52	2.635 +
September -	3.54	1.68	2.59	2.52	1.69	.21	4.54	1.93	2.82	2.95	2.447
October - -	2.06	1.38	2.08	2.63	1.34	4.78	2.44	2.20	2.90	1.10	2.251
November -	1.94	2.62	.92	2.40	1.99	2.38	2.00	.47	1.33	1.95	1.800
December -	2.01	1.24	1.34	.92	2.03	.93	1.48	2.20	6.07	3.77	2.199
TOTALS -	29.23	22.12	23.35	18.87	16.34	25.22	29.39	27.06	24.17	29.01	24.476

1863 The advantages of a dry warm season in a clay district are so many, that the temporary inconvenience of want of water is overbalanced, good and well ripened crops of cereals, excellent hay, well matured roots such as potatoes & turnips have been secured with only 19 in of rain and although the pastures were short cattle & sheep were healthy and thriving all the season, fruit plentiful & well ripened, Wells low, Canal Reservoirs nearly empty.

1864 the fall of rain from June to May, unusually heavy and assisted in giving us the largest hay crop known for years, a dry July enabled the Farmers to secure the crop in good condition.

RAINFALL AT *Belvoir Castle [Grantham]*

Lat.....

Lon.....

County of.....

Leicester

Rain Gauge, by.....

Observer.....

*H. Ingram Esq.**Inst. - 14.*

Diameter.....	.8											
Height.....	1											
Altitude.....	237											
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.62	1.27	2.95	2.00	1.58	1.96	2.16	3.09	1.71	.96	1.930	
February.....	2.13	1.15	2.10	1.59	1.59	1.44	1.98	2.10	1.10	2.22	1.740	
March.....	1.51	1.04	2.17	1.64	1.05	.57	2.42	1.57	.42	1.08	1.347	
April.....	.89	2.93	3.88	1.07	1.13	.97	4.21	3.13	1.48	2.85	2.204	
May.....	.62	1.14	1.83	2.25	.97	1.01	.54	1.91	4.14	3.02	1.743	
June.....	.97	2.07	2.92	1.32	.45	2.44	2.43	1.64	2.63	3.65	2.132	
July.....	1.03	4.29	4.23	1.08	.90	.42	.86	2.76	1.39	3.41	2.537	
August.....	1.14	.56	2.60	2.61	1.94	1.92	1.45	2.70	5.09	3.31	2.332	
September.....	.54	4.67	2.83	1.64	2.14	2.24	5.05	2.14	1.65	2.94	2.584	
October.....	3.84	1.24	3.65	1.94	1.60	4.95	2.35	1.84	2.67	1.12	2.520	
November.....	1.58	1.50	3.43	2.49	2.06	4.20	3.09	2.57	3.62	1.25	2.579	
December.....	3.41	.00	3.36	.19	1.69	1.10	6.02	1.65	1.64	1.09	2.103	
TOTALS.....	19.28	23.54	35.45	19.82	17.10	28.22	32.56	27.10	27.54	26.90	25.757	

1879 wall 12ft high 64 yds W.

" 12 " " 60 " S.

" 12 " " 80 " E.

Woolsthorpe church 1 mile E.

RAINFALL AT *Belvoir Castle*

80

Lat. _____

Lon. _____

County of _____

Leicester

Rain Gauge, by _____

Observer _____

W. Ingram, Esq

Font - 4.

Diameter	8											
Height	1.0											
Altitude	287 T											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	45	95	1.87	2.67	1.83	1.71	2.69	2.04	.49	1.66	1.636	
February	2.08	3.91	1.33	3.28	1.23	2.78	.36	.71	2.01	2.03	1.972	
March	98	1.80	2.04	1.34	1.12	.74	2.62	1.53	2.92	3.27	1.836	
April	2.98	.91	2.91	2.79	1.43	1.67	1.86	1.32	1.73	2.96	2.056	
May	1.17	.90	1.97	2.70	1.16	1.90	4.28	2.40	.72	6.28	2.348	
June	3.78	1.86	4.32	2.94	.73	2.83	1.82	.65	1.58	.64	2.116	
July	6.59	1.65	3.01	2.95	4.19	.17	2.71	1.27	4.53	3.06	3.013	
August	2.20	4.78	2.89	1.49	.92	2.65	2.08	1.25	2.54	3.43	2.423	
September	4.60	2.81	2.74	4.73	1.40	3.07	1.36	2.99	1.13	2.60	2.743	
October	6.05	2.68	5.23	2.72	.98	4.90	4.23	1.48	.62	4.04	3.293	
November	1.81	2.50	3.31	3.40	1.04	3.04	2.26	2.26	3.29	.59	2.350	
December	2.69	2.69	4.11	1.79	2.18	.85	3.56	1.55	1.08	1.86	2.236	
TOTALS	35.38	27.44	35.73	32.80	18.21	26.31	29.83	19.46	22.64	32.42	28.022	

1880. *Woolthorpe*

1 mile

E.

RAINFALL AT *Belvoir Castle*

Lat. _____

Lon. _____

County of _____

Leicester

Rain Gauge, by _____

Observer _____

*W. Ingram Esq
N.M. Divers*

Trent - 4

Diameter	8										
Height	10										
Altitude	237T					260T					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.50	1.76	1.24	1.60	2.12	3.23	.91	1.35	.78	2.53	1.802
February ....	.97	.07	2.05	2.94	2.32	.31	.66	2.90	.48	1.05	1.275
March	2.10	1.14	1.36	.63	.94	2.10	1.60	2.25	1.10	.42	1.364
April .....	.45	2.53	1.13	.41	1.41	1.68	.78	1.30	1.66	1.75	1.310
May	2.56	3.73	2.49	2.07	2.70	.74	.50	.75	2.48	3.27	2.129
June	1.00	2.32	2.77	1.03	2.28	1.35	2.30	2.11	.71	.98	1.685
July	2.88	2.88	1.84	3.41	3.00	3.01	1.32	1.52	.69	1.48	2.202
August	2.29	3.30	1.55	2.16	3.54	2.08	1.88	4.30	2.55	.70	2.435
September...	.60	1.63	3.05	2.42	.98	.48	3.91	1.89	.43	2.41	1.780
October	1.24	4.96	5.92	1.80	3.11	3.10	3.56	.95	2.41	2.75	2.980
November...	3.42	3.16	1.18	2.12	2.50	3.02	1.26	1.30	2.18	1.26	2.140
December...	.99	3.21	.91	2.77	2.12	1.98	3.08	2.25	1.83	1.74	2.088
TOTALS	21.00	30.69	25.49	23.36	27.02	23.08	21.76	22.87	17.30	20.34	2.291

1890 Woolsthorpe 1 Mile E

1860

Wall 15ft high 50ft N

Pen In 1891 " 16" NW

1894 May 4th N.M. Divers wrote "the system here has been to add .02 in [sometimes .01 in or .00 in] to each measurement of R x x x to compensate for distribution & waste in the gauge as they had no receiver.

RAINFALL AT

Belvoir Castle

Lat. _____

Lon. _____

County of *Leicester*

Trent - *It.*

Rain Gauge, by _____

Observer

W. H. Divers Esq

New

Diameter					8	8					
Height					1	0	1	0			
Altitude					260	260	J				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.50	1.76	1.24	1.60	2.12	3.02	1.00	1.44	.78	2.70	1.816
February ....	.97	.07	2.05	2.94	2.32	.27	.81	3.06	.61	1.19	1.429
March	2.10	1.14	1.36	.63	.94	1.98	1.87	2.41	1.46	.59	1.448
April .....	.45	2.53	1.13	.41	1.41	1.57	1.06	1.52	1.89	2.09	1.406
May	2.56	3.73	2.49	2.07	2.70	.71	.65	1.09	2.71	3.50	2.221
June	1.00	2.32	2.77	1.03	2.16	1.26	2.51	2.37	1.07	1.04	1.765
July	2.88	2.88	1.84	3.41	2.89	2.86	1.75	1.70	.97	1.79	2.308
August	2.29	3.30	1.55	2.16	3.36	1.91	2.13	4.51	2.67	.89	2.495
September....	.60	1.63	3.05	2.42	.89	.43	4.15	2.18	.54	2.63	1.856
October	1.24	4.96	5.92	1.80	2.89	2.95	4.04	1.08	2.55	2.78	3.043
November	3.42	3.16	1.18	2.12	2.82	2.80	1.19	1.42	2.39	1.46	2.164
December ....	.99	3.21	.91	2.77	1.95	1.86	3.30	2.43	1.99	1.98	2.156
TOTALS	21.00	30.69	25.49	23.36	27.02	21.62	24.46	25.16	19.63	22.64	24.107

Pencil figs. are old g.
entered for average purposes (Votter's map)

RAINFALL AT *Belvoir Castle*

Lat.

Lon.

County of *Leicester*

Rain Gauge, by

Observer *W. H. Divers Esq.*

Test 4. *New Gauge*

Diameter ..	8										
Height	1.0										
Altitude ..	260 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.16	1.07	1.25	1.83	2.23	.75	2.84	.97	.90	1.05	1.605
February ..	4.04	1.55	1.37	.79	2.87	.90	2.10	1.09	1.49	.59	1.679
March ....	.78	1.95	1.26	3.20	1.98	2.04	1.42	1.32	2.69	3.27	1.991
April	1.31	1.70	1.95	1.60	1.15	2.17	.64	2.55	2.23	1.22	1.652
May	1.86	1.24	2.74	2.79	2.09	.63	1.65	3.72	1.79	1.28	1.969
June	2.10	1.62	2.05	2.08	.89	3.29	2.61	1.87	1.15	2.30	1.996
July	1.59	2.69	1.24	1.82	3.31	1.74	1.09	2.48	2.58	3.95	2.244
August	3.73	1.39	5.00	5.09	2.16	3.11	1.52	2.57	3.37	2.76	3.070
September ..	.48	.94	1.15	2.98	1.81	2.95	1.11	.80	1.48	4.17	1.787
October	1.98	1.37	2.31	5.65	.62	1.55	4.36	3.89	1.34	2.68	2.575
November ..	1.98	1.53	1.53	1.89	1.13	2.60	3.32	1.96	1.13	.61	1.768
December ..	4.10	4.49	1.92	1.04	1.71	.79	2.67	2.61	1.33	4.02	2.468
TOTALS ..	27.11	21.54	23.77	30.76	21.95	22.52	25.23	25.83	21.43	27.90	24.804

1903 Woolsthorpe Church 1 mile E
 Redmile Station 3 miles N.N.W.
 Bank 11 ft high 20 ft S.W.

H. H. H.

RAINFALL at Belvoir CastleCounty of LeicestershireObserver W. H. Davies EsqRiver Basin Trent-Right Bank Tributaries 4

MO 1917

Rain Gauge, by

D. Gibson for The Duke of Rutland 1919.

Diameter ...	8										
Height	10										
Altitude ...	260 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS. 1910-19
January ...	1.79	1.41	2.99	2.55	1.58	2.88	1.02	2.38	1.73	3.54	21.87
February ...	2.69	1.52	1.37	.76	1.20	2.90	4.28	1.66	1.59	2.23	19.20
March .....	.65	1.75	2.74	3.69	2.72	1.01	4.10	1.33	.74	3.70	22.43
April	2.11	.79	.26	2.25	1.39	.91	1.24	1.53	1.70	1.61	13.79
May	2.70	2.43	3.46	1.72	1.97	1.75	2.04	1.49	1.67	1.66	20.89
June	1.37	2.16	3.67	1.52	2.96	1.36	1.35	1.66	.31	.79	17.15
July	2.73	.18	4.81	.66	3.02	5.57	1.80	1.59	3.79	4.42	28.57
August	3.20	1.75	5.57	.79	1.24	3.22	3.85	5.36	1.32	2.64	28.94
September ..	1.09	1.30	.98	2.39	.87	1.20	1.33	1.75	3.92	2.62	17.15
October ...	2.15	2.16	2.04	4.21	2.58	1.05	1.78	3.00	1.44	1.61	22.02
November ..	3.50	2.12	2.09	2.17	3.54	2.59	2.65	.82	1.66	1.65	22.79
December ...	4.88	3.65	3.56	.87	4.55	4.77	2.25	.61	2.29	3.63	34.06
TOTALS ...	28.86	21.22	33.54	23.58	27.62	29.21	27.69	22.18	22.16	30.10	26.16

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52.54	0.47						

RAINFALL at Belvoir CastleCounty of LeicestershireObserver The Duke of Rutland K.G.River Basin Trent - R. Banks Tribs &D. Beside
D. Gibson (1921)

Rain Gauge, by _____

Diameter ...	8											
Height	1 0											
Altitude ...	259											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.	1920-30
January ...	2.04	1.95	2.44	1.19	1.91	2.05	2.57	1.72	3.44	1.24	2.76	27.67
February ...	1.52	.33	2.98	3.37	.85	2.44	1.34	2.00	1.58	.50	.50	17.41
March	2.63	.97	1.92	1.19	.54	1.07	.49	2.07	1.19	.04	1.58	13.72
April	5.03	.98	3.17	1.71	1.67	1.36	1.63	1.94	.58	1.09	2.64	21.50
May	1.79	1.94	.98	1.94	3.58	3.52	3.07	.79	1.49	1.20	2.08	22.68
June	2.35	.73	1.46	.69	2.29	.13	2.21	6.37	3.43	1.54	.75	17.98
July	4.33	.57	5.00	3.91	2.35	1.79	2.13	2.39	1.15	1.41	3.20	28.23
August .....	.95	3.48	5.71	2.21	2.66	1.45	2.59	2.09	1.95	1.63	2.07	26.71
September...	1.57	.88	1.72	2.76	2.73	3.26	1.30	3.98	.46	.66	3.78	23.10
October	1.08	1.55	1.11	2.55	4.40	2.72	2.74	2.01	3.60	2.40	1.56	26.02
November...	.85	1.24	1.44	2.17	1.93	1.78	3.26	3.12	2.34	4.46	2.94	25.56
December...	2.03	1.44	3.11	2.71	2.82	1.85	.91	2.55	1.59	4.02	2.25	25.28
TOTALS...	26.17	16.06	31.04	26.40	27.73	23.42	24.24	29.03	23.46	20.58	26.11	274.24

1930. Observer says rain days will be O.K. after July 1931, at present too few.

Position of Station on reduced Ordnance Survey
Map, 2 miles 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
1920	52° 54'	0° 47'						

RAINFALL at (Belvoir Castle Gardens)

M.W.R.

County of LeicestershireObserver The Duke of Rutland. R.G.River Basin Trent - Right Bank tribut

Type of Gauge

Annual Average 25.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.N.

Diameter	8											
Height	10								12			
Altitude	259								257			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.79	.96	1.51	2.03	1.60	3.48	2.74	2.39	4.06	1.68	22.59	
February	2.46	.57	2.06	.52	2.15	1.98	2.85	.87	.78	2.53	16.76	
March	.31	1.68	2.85	1.86	.78	1.10	2.80	.22	1.85	2.09	15.54	
April	3.31	2.10	.96	2.41	2.38	1.72	2.79	.03	2.14	1.33	19.19	
May	3.07	5.23	1.51	.72	.59	1.40	3.48	2.83	1.11	.70	20.64	
June	2.28	1.48	2.24	.72	2.57	2.53	.56	1.50	2.81	.99	17.68	
July	4.41	6.59	1.76	2.76	.20	5.46	5.59	2.71	4.00	3.75	37.23	
August	3.30	2.22	.63	1.95	1.39	1.70	.76	4.10	3.80	.25	20.10	
September	2.69	1.95	2.04	1.28	4.23	2.67	.97	2.82	.78	.54	19.67	
October	.54	3.02	2.74	1.07	3.08	1.89	2.30	2.07	3.09		19.90	
November	1.89	1.67	1.94	2.09	4.27	2.93	1.23	2.33	3.28		21.63	
December	.76	.68	.35	3.98	2.82	1.61	1.96	4.07	1.35		17.58	
TOTALS	26.80	28.15	20.89	21.39	26.06	28.47	28.08	25.64	29.07		248.41	

Inspected 21/9/32. Leak in funnel (later repaired locally) gauge old & rather battered.

Garden closed down 1940. Reinstated end Sept 1940

No further records, regard is to 1/10/32-53

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