

RAINFALL AT *Leicester Hunsdon Asylum*

Lat.

Long.

County of *Leicester*

Rain Gauge, by

Observer *J. E. Mr. Finch Esq MD.*

Trent 4.

Diameter.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	(1.76)	(1.90)	3.41	1.68	1.96	2.73	2.83	3.03	1.76	1.60	
February.....	(1.74)	(1.50)	1.90	1.11	1.61	1.20	2.90	1.92	1.38	1.33	1.63
March.....	(1.37)	(1.02)	1.75	2.03	1.03	.73	3.18	1.89	.65	.69	
April.....	(.90)	(1.00)	2.95	1.09	1.57	1.27	3.07	3.56	1.63	2.03	
May.....	(60)	1.36	1.76	2.62	1.47	1.87	.69	1.68	5.02	3.13	
June.....	(65)	4.16	4.54	4.15	.51	5.76	2.06	1.03	2.71	3.47	
July.....	(1.00)	4.92	4.85	2.76	1.02	6.94	.63	2.95	1.54	3.35	
August.....	(1.61)	84	3.38	3.23	2.26	2.44	1.86	2.79	6.03	4.00	
September.....	(1.45)	3.90	2.22	1.89	2.62	2.96	4.20	1.65	1.28	3.18	
October.....	(4.30)	1.99	3.82	2.23	1.21	5.88	1.97	1.40	2.46	1.18	
November.....	(1.35)	1.10	3.81	2.37	2.53	(4.63)	3.10	2.41	3.26	1.05	
December.....	(2.58)	1.23	3.76	.34	1.55	1.42	1.85	1.63	1.21	.51	
TOTALS.....	line	38.15	25.52	20.34	25.83	31.34	25.94	28.95	26.02	24.52	

Data for 1871 - 1888 were as back-year in 1850.

Records 1871-79 are generally reasonable, except for 1872 which seems about 2 in. low, (1875 2 in. high (in one 1 in. less) & 1879 which seems 1.5 in. low (July .5, Jan 1 in)).

H. Howell 28.7.50

RAINFALL AT Leicester Humberstone Asylum

Lat.

Long.

County of

Leicester

Rain Gauge, by

Observer J. E. M. Finch Esq. M.D.

Trent - 44.

Diameter								5	6	
Height								6	1.0	
Altitude								243	244 $\frac{1}{2}$	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	MEANS.
January75	1.49	1.97	2.90	1.73	1.51	2.59	2.16	(95)	1.30
February	2.38	3.30	1.28	2.85	1.94	2.58	3.5	2.56	(130)	1.71
March	1.71	1.24	1.68	1.98	1.27	1.85	2.22	1.40	(1.95)	3.84
April	2.24	1.18	2.16	2.09	1.84	2.17	1.87	1.38	(3.91)	2.71
May	1.41	1.07	2.62	1.91	1.02	2.49	4.48	1.83	(1.00)	3.57
June	4.78	2.17	4.13	5.55	2.25	2.57	1.97	1.48	(2.40)	1.18
July	6.68	1.30	3.54	5.28	2.69	1.12	2.91	.69	(5.25)	1.50
August	1.70	6.03	1.96	1.01	1.32	3.10	1.99	1.09	(2.60)	2.67
September	5.58	2.29	2.50	4.82	1.99	3.46	1.78	2.56	(1.50)	1.98
October	5.01	2.81	6.40	1.86	1.33	5.09	4.17	1.77	(4.40)	2.66
November	1.39	2.16	2.99	3.33	1.22	3.12	2.13	1.44	(2.75)	.73
December	2.76	2.79	3.47	1.53	2.13	.57	3.47	1.32	(1.50)	1.68
TOTALS	35.36	26.80	33.70	32.11	19.73	27.63	29.93	17.68		25.53

Back-year 1871 - 1886 rec'd. v. 1. 1950. (Enc. 62A f. 337931/34)

✓

Humberstone Church $\frac{1}{2}$ mile E
 Thermometer Case 4 ft high 4 ft SW
 26 years, 1890 - 1886 back years reasonable Height 28.7.50

RAINFALL AT Leicester Humberstone Asylum

Lat.

Len.

County of Leicester

Rain Gauge, by

Observer

J. E. Finch Esq. M.A.

Trent - Lt.

Diameter	8										
Height	10										
Altitude	244 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.16	1.69	.64	1.44	1.17	3.37	1.04	1.74	1.15	2.54	1.674
February66	.16	1.86	2.12	1.61	.17	.59	2.75	.92	1.48	1.232
March	1.99	1.32	.85	.28	.86	1.64	1.92	2.06	.94	.97	1.283
April69	1.79	.71	.32	1.21	1.63	.95	1.78	2.08	2.19	1.335
May	2.16	2.55	1.73	1.98	1.64	.68	.67	1.08	2.84	2.81	1.814
June	1.74	3.28	2.77	.64	1.70	.66	2.04	2.05	.99	.85	1.672
July	2.91	2.34	2.03	2.50	2.63	2.95	3.35	.83	.84	2.33	2.271
August	2.55	2.47	1.22	1.36	1.90	1.68	2.75	2.95	4.22	.91	2.201
September	1.36	1.11	2.62	1.45	1.02	.50	3.36	2.23	.48	5.04	1.917
October	1.36	4.00	3.40	2.18	2.44	3.03	2.90	1.32	3.02	2.25	2.590
November	2.65	2.11	1.11	1.73	1.93	3.27	1.23	1.24	1.90	1.03	1.820
December65	2.91	1.26	1.68	2.08	2.11	3.06	2.32	1.77	1.68	1.952
TOTALS	20.68	25.73	20.20	17.68	20.19	21.69	23.86	22.35	21.15	24.08	21.781

1890 Humberstone Church 1/2 mile E

Thermometer case 4 ft high 7 ft SW

Gauge moved Jan 1st 3 ft NE

RAINFALL AT Leicester Humberstone Asylum

Lat. Lon. County of Leicester
 Open Cylindrical Rain Gauge, by
 Front, R. bank - 14.

Diameter ..	8										
Height	10										
Altitude ..	244 ft			266							
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.27	.83	.72	1.67	2.32	.62	3.23	.96	1.12	.89	1.563
February ..	3.63	1.05	1.41	.65	2.30	.60	2.11	1.15	1.14	.64	1.468
March ..	.66	1.73	1.26	2.57	1.67	2.45	1.57	1.21	2.36	2.70	1.818
April ..	.85	1.47	1.93	1.59	1.05	1.69	.58	1.91	2.62	1.20	1.489
May ..	1.50	1.20	2.45	2.27	2.47	.29	1.57	3.12	1.68	1.35	1.790
June ..	3.02	2.22	2.30	1.77	.40	2.82	3.27	2.18	1.67	2.89	2.254
July ..	2.11	3.78	1.15	2.21	3.38	1.02	.82	2.88	3.58	3.33	2.426
August ..	3.54	1.44	4.85	3.90	4.06	3.21	1.18	2.32	2.96	3.03	3.049
September ..	.39	1.34	1.15	2.18	1.70	2.68	.91	.94	1.44	2.80	1.553
October ..	1.94	1.19	2.09	5.26	.69	1.53	3.83	4.49	1.16	3.37	2.555
November ..	2.12	.92	1.80	1.45	1.11	2.29	3.29	2.10	.98	.65	1.611
December ..	3.48	3.84	.97	1.46	1.59	.77	2.45	2.86	1.52	3.90	2.284
TOTALS ..	26.51	21.01	21.58	26.98	22.74	19.97	24.81	26.12	22.13	26.75	23.860

1900 Humberstone Church 1/2 mile E

Thermometer stands 4 ft high 7 ft S.W. SE. 1903

1903 Humberstone Station 1/2 mile S

1904 April 2nd Range moved 270 yards E

RAINFALL at Humberstone Asylum

County of Leicestershire

Observer J.E.M. Finch Esq M.A.

River Basin Trent - Right Bank Tributaries 4

S.C. Reading (B.W.)

Rain Gauge, by Symons 1919

Diameter ...	9"										
Height	10										
Altitude ...	266 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.71	.80	3.05	3.02	1.15	2.21	1.12	2.15	2.31	4.22	2.174
February ...	2.25	1.72	1.34	.87	1.31	2.76	4.65	.78	1.49	2.33	1.950
March65	1.68	3.23	3.78	2.70	.92	4.14	1.18	1.00	3.38	2.266
April	2.00	1.03	.19	2.64	1.49	.81	1.00	1.90	2.11	1.66	1.483
May	2.82	1.51	2.65	1.72	1.44	2.29	1.78	1.94	1.39	1.01	1.855
June.....	.94	1.87	3.90	1.24	2.33	2.56	2.19	2.31	1.37	.90	1.961
July	2.62	.11	4.97	1.05	2.14	7.51	1.64	1.61	2.83	4.53	2.901
August.....	3.46	2.75	6.17	1.19	1.67	2.21	3.81	4.60	1.98	2.93	3.077
September ..	1.23	1.44	1.20	2.06	.57	1.28	1.12	1.88	3.98	2.14	1.690
October ...	2.28	2.40	2.46	2.88	2.14	1.44	2.23	3.41	1.59	1.81	2.264
November ..	3.65	2.45	2.07	2.74	3.46	2.59	2.94	1.00	1.75	1.72	2.437
December ...	4.58	4.24	3.84	.87	4.74	5.01	2.58	.98	2.72	4.35	3.391
TOTALS ...	28.19	22.00	35.07	24.06	25.14	31.59	29.20	23.74	24.52	30.98	27.449

1912 Phenomena Care upengl 44° SE

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
52.39	1.525°	Humberstone		1/2 m	S	Humberstone	1/2 m	E

Previously Hamerton Asylum

RAINFALL at Leicester City Mental Hospital

County of Leicestershire) Observer J. C. Leah Esq

River Basin Trent Pt Bank Grib 4. T. A. Huston ('26) Steward

Symone Rain Gauge, by

(1925) M.W.O.
(1930) Snowden

Diameter	8										
Height	1	0									
Altitude ...	266										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
										M E A N S.	
January	2.31	2.54	3.13	1.24	1.98	1.55	2.43	2.45	4.25	1.36	3.32
February	1.30	1.29	2.47	3.09	72	2.38	2.34	2.10	1.93	1.45	1.82
March	2.46	1.02	2.12	1.36	67	1.89	1.83	1.98	1.29	1.09	2.31
April	4.72	1.00	3.53	2.03	1.79	1.48	1.70	1.63	1.71	1.43	2.74
May	1.94	2.08	1.74	1.53	3.86	4.75	2.91	1.30	1.39	2.01	2.69
June	1.39	1.00	1.62	0.48	2.40	1.06	2.41	4.25	3.33	1.38	1.22
July	3.43	1.28	4.32	3.31	2.52	2.02	2.92	3.03	1.35	1.44	3.86
August	1.84	3.63	4.52	2.19	2.68	1.69	2.65	4.19	2.49	2.10	3.53
September	1.68	1.99	2.23	2.48	3.75	2.37	1.77	4.42	1.10	1.44	3.95
October	1.71	2.72	1.90	2.79	4.11	2.71	2.52	1.97	3.61	3.59	2.17
November	1.98	1.59	1.97	1.94	2.16	1.50	3.35	2.84	3.15	5.42	2.79
December	2.44	1.89	3.68	2.07	1.85	1.66	1.95	2.44	2.01	5.18	2.04
TOTALS...	25.10	19.03	29.23	25.03	28.49	23.06	26.78	32.59	26.11	25.52	31.44

1920 Thermometer Case 4 ft. high 2 ft. S.E.

Position of Station on reduced Ordnance Survey Map 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	52°39'	1°5'25"	Humberstone	1/2 mi	S	Humberstone	1/2 mi	E

RAINFALL at ~~Leicester~~ (Towers Hospital)

County of Leicestershire Observer The Station M.

River Basin Trent Right Bank Trib. 4

Type of Gauge Standard

Annual Average Rain. in. based on 10 years obs. un-weighted. Period of average 1883-1915 Ref. S
337931 34

Diameter	8												
Height	10												
Altitude	9266												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means		
January	1.81	1.22	1.39	1.77	1.05	3.70	3.08	2.70	4.91	2.64		Total	24.27
February	2.61	.28	2.17	.54	2.20	2.04	2.92	1.66	1.04	2.91			17.43
March	2.3	1.52	2.37	1.86	1.85	1.33	3.02	1.23	1.53	2.05			14.99
April	3.28	2.73	1.27	3.84	3.48	2.20	2.95	1.07	1.42	1.80			23.54
May	3.02	6.06	1.23	90	1.99	1.98	3.70	1.71	1.10	1.20			20.89
June	2.12	1.61	3.07	.73	3.34	4.29	1.87	1.42	1.27	1.13			20.85
July	3.50	3.04	1.53	65	1.57	4.25	3.62	2.76	3.85	3.80			27.57
August	3.91	2.02	.88	2.02	2.08	1.79	1.62	1.47	1.74	1.20			21.73
September	2.73	2.61	1.88	1.61	4.06	2.45	1.25	1.92	1.05	0.65			20.21
October	.61	3.23	3.20	1.29	3.14	1.72	3.14	2.20	3.82	1.12			24.67
November	2.14	1.85	1.66	2.03	4.26	2.23	1.46	2.44	3.64	6.16			27.87
December	.80	.70	.41	3.93	3.53	1.73	1.97	3.33	1.60	1.96			19.96
TOTALS	26.76	26.87	21.06	21.17	29.55	27.71	29.60	23.91	30.47	28.68			26570
	7	7	2	2	2	2	2	2	2	2			288

Screen height w' SE.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
			Humberstone.	1/2 m	S.	Humberstone	1/2 m	E

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Leicester ^{(Towers Hospital) Station No. 2503 Ref. No. 11} {Renamed in 1946} 41

County of Leicestershire Observer Frank G. Steward

River Basin Trent - Right Bank - 4 Management Committee (1950)

Type of Gauge Aneroid M.O. (in. mm.)

Annual Average 24.2 in. based on 41 years obs. un-weighted. Period of average 1881-1945 Ref. S

E 125874 File No. 824/Part 34

Diameter	<u>8"</u>			<u>112</u>	<u>317</u>					<u>5"</u>	<u>4100 ft</u>
Height	<u>10'</u>				<u>1</u>						
Altitude	<u>266'</u>				<u>41</u>						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.10	2.52	3.47	2.51	1.55	1.88	1.59	3.18	1.33	1.64	Totals. 22.37
February	2.19	.64	1.01	1.37	1.67	3.21	1.51	1.11	.70	3.43	17.42
March	3.33	1.46	1.07	1.33	6.3	.88	4.94	.87	1.60	.90	16.01
April	2.01	1.24	.72	2.18	1.22	1.68	1.90	1.49	2.49	2.10	17.03
May	3.02	3.27	3.23	.62	2.11	2.19	1.62	2.34	2.56	2.32	23.22
June	1.30	.62	2.99	1.82	2.19	3.44	1.17	1.94	.73	1.70	17.90
July	7.20	2.28	.92	2.36	3.17	1.57	2.57	1.29	3.31	1.65	26.32
August	3.52	2.71	1.43	2.25	2.93	6.23	.26	3.76	1.67	2.54	27.30
September	3.6	.77	2.09	4.10	1.01	4.60	.92	3.26	1.61	3.15	21.87
October	2.45	3.42	1.89	2.44	3.53	1.56	.35	2.70	4.79	.72	23.90
November	2.46	1.97	1.27	3.36	.39	5.67	1.47	1.41	2.73	3.66	24.69
December	.98	2.09	.88	1.35	2.28	2.51	2.33	3.32	1.53	1.34	18.61
TOTALS	32.30	22.99	20.97	24.69	22.73	35.42	20.63	27.87	25.05	24.15	256.70

42 Pyramid Fruit Trees 4' to 7' high. 10' to 15' away circling gauge.

1944 Hawthorn tree 4 ft. 4 ft. S.E.

256.70

1946 Hospital renamed "The Towers Hospital"

1950 In a garden installed a new site adjacent to old site as last is becoming rather overgrown by growth of trees (see site 19 ft. N. 337935 1/2a)

May 1950 New site in SW corner of plot 12 ft. W. of sunshie recorder & 14 ft. S. small screen.

1950 New gauge to new site Oct 1/50 30940 N. Screen 4 ft. high 8 ft. W. 5' recorder 8 ft. high 11 ft. 56. Sun dial wind vane anem. pole 25 ft. 12 ft. NE 3 ft. H. 7 ft. 6 in.

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	Parish Church.	Distance from gauge	Direction
1942			Leicester	2½ miles	W	Humberstone	½ mile	E
1946			Humberstone	½ m	S	"	½ m	E

Station No. 2803

RAINFALL at LEICESTER (TANKS HOSPITAL)

51

County of LEICESTERSHIRE

Observer Mr. G. S. Somers
Management Committee

River Basin泰恩 - R.泰恩 - 4

Type of Gauge M.O.

Annual Average 24.2 in. based on 41 years obs. unweighted. Period of average 1881-1915 Ref. S
26.39 " 35 " 1916-1950 P
File No. E 12368/102

Diameter ...	8"	112317			5"							
Height ...	11 0"		1		1' 0"							
Altitude ...	266'		51	267	267							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
January	2.57	2.65	.92	1.47	2.61	4.23	1.43	2.97	3.33	5.63		27.81
February	3.13	1.09	1.65	2.54	2.39	1.29	3.61	3.60	.02	1.88		21.30
March	3.40	3.00	1.74	2.15	3.22	1.17	2.22	2.02	1.80	1.48		22.20
April	2.32	2.01	2.24	.50	1.30	1.23	.18	.69	1.96	0.84		13.27
May	3.08	3.06	1.71	3.89	4.77	.85	1.70	1.96	.40	1.21		22.63
June	1.26	2.32	3.07	2.89	3.61	3.18	2.11	4.91	1.22	3.06		21.63
July	1.54	.35	2.22	2.29	2.44	4.86	3.91	4.15	2.15	4.28		28.19
August	4.11	3.11	2.72	4.59	.57	5.29	2.69	1.95	.81	4.72		30.56
September	1.31	1.32	1.34	1.93	1.63	2.01	4.42	2.69	.14	4.31		21.10
October	.75	2.91	3.15	3.30	1.64	1.75	1.21	2.04	2.15	5.82		24.62
November	4.93	2.22	1.55	5.01	1.34	.93	2.19	1.64	2.02	3.42		23.25
December	1.84	2.74	.96	2.85	2.08	2.60	2.17	2.71	3.53	4.00		25.48
TOTALS ...	30.24	26.78	23.27	33.41	27.50	29.39	27.84	31.33	19.53	40.65		289.94
	D	D	D	D	D	D	D	D	D	D		

1957 Inspected by Mr C. Hinkel 2/3 Oct 1957, last inspected by A. E. Mayers 1956. Site temperature frost. Gauge vegetation good. Survey N° 4656/102. Measure N° 9480

1956 Rather high, but accept.
1958 Temp. T. Handling 26/24/10.58 - satisfactory.

+ New 5" diam. brought into use Oct '50. BA not amended until 1956

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SX(47)622.042

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- accepted

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓	✓	✓ but d42, 43