

RAINFALL AT *Loughboro' New Panton Rd*

Lat. _____ Lon. _____ County of *Leicester*
Glaisher Rain Gauge, by _____ Observer *G. Hodson, Esq., C.E.*

Trent - H. *Daily* *F. Baker Esq.*
A. W. Cross Esq. C.E.

Diameter	8											
Height	9				2.11							
Altitude	289				269							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.22	.37	2.37	2.36	2.36	1.57	2.67	2.57	.74	1.24		
February	2.04	3.90	2.09	3.18	1.05	2.55	.45	.54	.99	1.65		
March	1.56	2.34	1.64	.79	2.08	1.10	2.82	1.25	2.40	4.04		
April	1.38	1.68	2.63	1.95	2.04	2.21	1.78	1.24	2.40	3.59		
May	1.35	.73	1.73	2.22	.88	2.36	4.98	1.58	.71	3.47		
June	3.01	1.66	4.57	3.60	1.09	3.12	1.30	1.47	1.59	.94		
July	5.78	1.44	4.03	2.78	3.26	.18	2.77	.78	5.63	1.99		
August	1.34	5.46	2.11	2.96	1.88	2.84	2.48	1.48	2.91	3.24		
September....	4.68	1.84	2.25	4.76	1.28	3.26	1.17	2.36	.83	2.38		
October	5.65	3.76	5.02	2.12	1.18	5.76	4.68	1.57	.43	2.74		
November....	2.15	(2.20)	2.98	4.26	1.21	2.82	1.47	1.61	3.90	.60		
December	3.58	3.23	4.44	.77	2.16	.52	3.66	1.33	2.04	1.86		
TOTALS	32.74	(28.61)	35.86	31.75	20.47	28.28	30.13	17.72	24.57	27.84	27.97	

1880 Emmanuel Church 2½ miles N.

1881 G. in a bad state & not properly looked after

1882 Gauge away from Jan'y 26th to Nov. and observations from a Cistella gauge. gauge also moved on Dec. 1st.

1883. Cottage 30 ft high 22 ft. W.

Shrub 7 ft. " 8 " E.

1887 House 22 ft high 22 ft S W

Bush 8 ft " 8 " N E

RAINFALL AT *Loughboro' Nam Barton Res*

80

Lat. Lon. County of *Leicester*

No. *5494* Rain Gauge, by *Carolla* Observer *F. Baker C.E.*

Trent - 44.

Monthly

Diameter			8		*†						
Height			2								
Altitude			<i>269 ft</i>								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...				2.58		1.62	2.81	2.79	.77		
February ...				3.39		2.65	.45	.52	1.16		
March .....				.96		1.11	2.98	1.25	2.42		
April				1.95		2.16	1.78	1.22	2.40		
May				2.27		2.36	4.87	1.65	.70		
June				3.56		3.12	1.26	1.39	1.53		
July				2.75		.16	2.70	.72	5.45		
August				2.94		2.75	2.40	1.64	2.82		
September ...				4.67		3.19	1.78	2.36	.86		
October				2.20		5.60	4.50	1.56	.39		
November				4.30		2.79	1.48	1.66	3.94		
December				<i>#4.67</i>		.77	.59	3.59	1.34	1.95	
TOTALS				32.34		28.10	30.00	18.10	24.39		

Loughborough Church 2 1/2 miles NNE

1885 Cottage 26 ft high 30 ft S.W.

1887 Bush 5 ft " 8.6" N.W.

" 9 " 10.6" N.E.

1889 Record not kept

* A.W. Cross says the Carolla gauge is 8 in. we never had a 5 in. gauge

RAINFALL AT Loughborough Nampanter Reservoir

Lat. _____

Lon. _____

County of _____

Leicester

Glaisher Rain Gauge, by _____

Observer _____

A.W. Cross Esq. C.E.

Inst. - 46

A.H. Walker Esq. C.E.

Diameter	8											
Height	2 11							1 0				
Altitude	269 <u>N</u>											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	1.71	1.95	.93	1.69	1.15	3.89	1.19	2.27	.97	3.37	1.912	
February ....	.73	.09	1.62	2.55	2.23	.09	.64	2.88	1.19	1.83	1.385	
March	1.33	1.27	.75	.20	.79	1.81	2.12	2.34	1.12	1.14	1.287	
April .....	.82	2.29	.74	.37	1.40	2.31	.83	2.85	2.11	2.32	1.604	
May	2.09	2.75	2.21	2.38	1.45	.67	.52	1.78	2.72	3.12	1.967	
June	2.06	3.87	2.41	.87	1.78	.40	2.13	2.90	.97	1.50	1.889	
July	2.16	2.19	2.20	2.77	2.64	3.76	2.66	.54	.89	1.86	2.167	
August	2.37	3.62	1.91	1.69	2.83	2.26	2.03	2.65	2.96	.75	2.307	
September....	1.47	1.08	2.89	1.64	1.08	.45	3.98	3.11	.65	2.82	1.917	
October	1.41	4.85	2.99	1.86	2.31	3.02	2.71	1.15	3.10	2.74	2.614	
November....	3.06	2.53	1.10	1.47	2.23	3.31	1.27	1.38	2.47	1.79	2.061	
December ....	.63	3.31	1.37	2.34	2.10	2.21	3.79	3.20	2.04	2.31	2.330	
TOTALS	19.84	29.80	21.12	19.83	21.99	24.18	23.87	27.05	21.19	25.55	23.442	

Brick 5'6" high 8'6" SW

" 9'6" - 10'6" NE

1894 Immanuel Ch 2 1/2 miles SW

1897 April 10th Gauge moved 40 ft S

RAINFALL AT *Loughborough Nananton Reservoir*

Lat. _____

Lon. _____

County of *Leicester*

Rain Gauge, by *Casella*

Observer *A.W. Cross Esq C.E.*

Trent - 4.

Diameter	<i>1 1/8</i>										
Height	<i>2 0</i>										
Altitude	<i>269 A</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>2.28</i>	<i>2.05</i>	<i>1.00</i>	<i>1.68</i>	<i>1.28</i>	<i>3.82</i>	<i>1.15</i>				
February	<i>.72</i>	<i>.09</i>	<i>1.66</i>	<i>2.61</i>	<i>2.32</i>	<i>.11</i>	<i>.65</i>				
March	<i>1.38</i>	<i>1.37</i>	<i>.86</i>	<i>.18</i>	<i>.85</i>	<i>1.89</i>	<i>2.25</i>				
April	<i>.84</i>	<i>2.30</i>	<i>.74</i>	<i>.36</i>	<i>1.38</i>	<i>2.23</i>	<i>.84</i>				
May	<i>2.06</i>	<i>2.68</i>	<i>2.21</i>	<i>2.25</i>	<i>1.38</i>	<i>.56</i>	<i>.45</i>				
June	<i>2.08</i>	<i>3.77</i>	<i>2.36</i>	<i>.86</i>	<i>1.75</i>	<i>.36</i>	<i>2.03</i>				
July	<i>2.23</i>	<i>2.15</i>	<i>2.16</i>	<i>2.70</i>	<i>2.62</i>	<i>3.68</i>	<i>2.64</i>				
August	<i>2.31</i>	<i>3.61</i>	<i>1.83</i>	<i>1.65</i>	<i>2.84</i>	<i>2.24</i>	<i>1.99</i>				
September...	<i>1.45</i>	<i>1.06</i>	<i>2.84</i>	<i>1.61</i>	<i>1.05</i>	<i>.42</i>	<i>3.96</i>				
October	<i>1.41</i>	<i>4.81</i>	<i>2.94</i>	<i>1.84</i>	<i>2.36</i>	<i>2.96</i>	<i>2.59</i>				
November...	<i>3.07</i>	<i>2.53</i>	<i>1.08</i>	<i>1.45</i>	<i>2.22</i>	<i>3.25</i>	<i>1.21</i>				
December ...	<i>.66</i>	<i>3.49</i>	<i>1.35</i>	<i>2.36</i>	<i>2.13</i>	<i>2.26</i>	<i>3.68</i>				
TOTALS	<i>20.49</i>	<i>29.91</i>	<i>21.03</i>	<i>19.55</i>	<i>22.18</i>	<i>23.78</i>	<i>23.44</i>	<i>Note</i> <i>Recd.</i>			

Brushes 5' 6" high 8' 6" SW

9' 6" " 10' 6" NE

*A. W. Cross says they never had a 5 in. gauge
1894 Immanuel Ch 2 1/2 miles SW.*

RAINFALL AT Loughborough Near Panton Reservoir

Lat.

Lon.

County of Leicester

Rain Gauge, by

Observer A. H. Walker Esq. Cl.Trent, R. bank - 4.

Diameter ..	8											
Height	1.0											
Altitude ..	269 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..												
February ..	4.41	1.26	1.39	2.42	3.54	.95	3.63	.90	.94	.94	2.038	
March	4.37	1.22	1.70	1.08	3.08	.74	2.77	1.09	1.27	.63	1.795	
April .....	.75	2.28	1.80	3.74	2.02	2.85	1.32	1.04	2.84	3.18	2.182	
May	1.23	1.55	2.06	2.04	1.20	1.59	.86	1.88	2.70	1.27	1.638	
June	1.82	.72	2.57	2.36	1.54	.39	1.88	3.46	1.81	1.22	1.777	
July	2.94	2.32	1.90	1.99	.47	3.55	2.55	2.44	1.36	2.80	2.232	
August	1.77	3.09	1.28	1.73	3.08	1.12	.54	2.94	2.67	3.23	2.145	
September ..	3.94	1.75	3.82	5.36	3.97	3.43	.93	2.12	2.90	2.62	3.085	
October ....	.60	1.00	1.91	2.48	1.93	1.59	.91	1.06	1.49	2.16	1.513	
November ..	2.63	1.48	2.14	6.15	.58	1.17	5.14	4.36	.77	3.07	2.749	
December ..	2.53	1.35	1.81	1.58	1.34	2.81	3.02	2.13	1.27	.65	1.849	
TOTALS ..	4.26	4.69	1.74	1.83	1.90	.78	2.55	3.19	1.85	4.45	2.724	
TOTALS ..	31.25	22.71	24.12	32.76	24.65	20.97	26.10	26.61	21.87	26.23	25.72	

5
5
5
5
5
5

H.W.B.

RAINFALL at Loughborough Hanston ReservoirCounty of LeicestershireObserver A. H. Walker Esq. C.E.River Basin Trent - Right Bank Tributaries 4Rain Gauge, by Canella

Diameter ...	8											
Height	10											
Altitude ...	269 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Total
January ...	1.92	.97	4.62	4.03	1.13	2.66	1.48	2.06	2.29	4.54		16.77
February ...	2.64	1.94	1.68	1.04	1.49	3.47	4.84	.64	1.62	2.58		10.37
March .....	.68	2.04	3.61	4.19	2.76	.95	5.06	1.78	1.33	4.63		9.68
April	2.13	.99	.25	2.60	1.30	.88	1.23	1.34	2.08	1.77		12.80
May	2.72	1.03	2.50	2.15	1.75	1.80	2.69	2.49	2.30	1.38		6.42
June	1.06	2.14	3.89	1.01	2.46	1.73	1.64	2.96	.72	.98		8.36
July	2.79	.13	4.00	1.06	2.63	8.23	1.30	2.19	2.40	3.83		6.30
August	3.35	2.80	6.43	1.61	1.70	2.22	3.55	6.28	1.88	3.24		9.72
September ..	.74	1.35	1.23	2.03	.66	1.06	.80	1.76	5.04	1.74		14.95
October ...	2.29	2.49	3.22	3.44	2.33	1.55	2.76	3.70	1.32	1.76		9.34
November ..	4.88	2.46	1.84	2.45	4.54	3.11	2.84	.95	1.65	2.34		7.54
December ...	5.17	5.08	4.25	.96	5.70	4.20	2.65	1.24	2.99	4.56		7.78
TOTALS ...	30.37	23.42	37.52	26.57	28.45	31.86	30.84	27.39	25.62	33.35		117.20
	D	D	T	T	T	T	T	T	T	T		117.20

None within appreciable distance

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Loughboro	3 m	SW	Emmanuel		

RAINFALL at Loughborough New Pantan ReservoirCounty of LeicestershireObserver A. H. Walker Esq. C.E.River Basin Trent - Pt. Bank Tribs &Engle (Loughborough)(1.VIII.25) 5" Snowdon Rain Gauge, by Cassella(1930) W. S. Ranger Esq. C.E.

Diameter ...	8						5	8				
Height	10						10					
Altitude ...	269						269					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.	Totals.
January ...	2.84	2.64	3.65	1.33	2.40	2.12	2.97	2.79	5.08	1.53	3.31	30.66
February ...	1.85	.34	2.66	4.35	.70	3.17	2.53	2.23	2.64	.53	.49	21.49
March	2.33	1.28	1.77	1.38	1.01	1.13	1.02	2.37	1.80	.13	2.59	16.81
April	4.83	1.04	3.42	2.14	2.42	2.12	2.26	1.72	.45	1.24	3.11	25.08
May	2.12	2.18	1.45	2.07	4.16	5.01	3.39	1.19	1.06	2.43	2.64	27.70
June	1.52	.78	.95	.68	2.28	.05	3.26	4.03	2.42	1.24	1.43	19.04
July	4.51	.39	5.02	3.98	3.63	1.96	2.17	2.01	1.47	1.45	4.77	31.66
August	1.23	5.47	6.36	2.46	2.66	1.76	2.26	2.82	2.91	1.48	3.18	32.89
September...	1.62	1.05	2.30	3.54	2.98	3.20	.84	4.78	.83	.54	4.23	25.91
October	1.57	2.39	.73	2.46	4.73	3.36	2.97	2.15	4.24	3.65	2.30	30.58
November...	1.18	1.73	1.16	2.19	2.26	1.82	4.52	2.97	3.88	5.25	3.29	30.25
December...	2.91	1.86	4.16	2.97	2.79	2.09	.70	3.00	1.68	5.12	2.42	29.70
TOTALS...	28.61	21.15	33.63	29.55	32.02	27.79	28.89	32.06	29.09	25.32	33.76	321.77
	D	D	D	D	D	D	D	D	D	D	D	216

1930. One 3" file 40346/30 Observer confirms storm on August 29th, also
 .12" on Dec. 31st may be relied on although 2501 had 1.58".

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

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	52° 45'	1° 15'	Loughboro	3 mi	SW	Emmanuel	1/2 mi	W.

RAINFALL at Loughborough (Nanpton Res.) + ACounty of Leicestershire Observer W. Snary, Esq., C.E.River Basin Trent - Right Bank Tribe 4Type of Gauge StandardAnnual Average 26.1 in. based on 35 years obs. un-weighted. Period of average 1881/1915 Ref. 3
40346/30

Diameter	5												
Height	1	0											
Altitude	269												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means		
January	1.61	1.96	1.98	2.64	.97	4.17	3.81	2.95	5.30	2.42		Totals	
February	2.86	.58	2.69	.58	2.33	2.22	3.64	.73	1.48	3.19			27.71
March	.09	2.06	2.81	1.92	.83	1.52	2.54	.20	1.82	2.21			20.13
April	3.42	2.55	1.24	3.18	3.42	1.96	2.75	.03	1.81	1.39			16.00
May	3.49	6.44	1.89	1.10	.44	.35	2.67	1.94	1.10	1.35			21.75
June	3.49	1.13	3.28	.69	2.70	4.42	1.03	1.77	1.82	.92			20.77
July	3.82	4.28	2.32	.91	.31	5.11	3.24	2.47	3.71	2.87			20.95
August	4.54	1.90	0.73	2.28	2.06	.70	.61	2.33	3.71	.20			27.04
September	1.90	2.08	2.12	1.75	5.29	2.67	1.58	1.94	.78	.64			17.06
October	.87	3.52	3.25	1.49	3.91	1.45	2.83	2.49	3.17	4.16			20.75
November	2.62	2.00	1.69	2.29	4.53	2.48	1.51	2.85	4.76	6.12			28.84
December	.89	.73	0.31	4.61	4.12	1.67	2.28	3.99	1.64	1.88			30.75
TOTALS	29.30	28.93	24.21	23.44	30.91	28.72	28.52	23.69	30.80	27.35			22.12
	D	D	D	D	D	D	D	D	D	D			275.87
													47.61

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
			Loughborough	3 m	E.	Nanpton	1/2 m	W.

Station No. T.F. 2518 ✓RAINFALL at Loughborough (Nanpantan Res.) + A

41

County of LeicestershireObserver W. Granger Esq. B.E.River Basin Trent - Right Bank 4Type of Gauge SnowdonAnnual Average 26.1 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 40346/30

Diameter	5"			115	174							
Height	1' 0"				1							
Altitude	269'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.72	3.01	4.22	2.52	1.50	2.12	1.84	5.35	1.24	.83		Totals. 26.33
February	1.91	.73	.80	1.88	2.36	4.31	1.28	1.57	.82	4.61		20.29
March	3.10	2.02	1.44	.18	.73	.84	5.26	.89	1.58	1.13		17.17
April	1.70	1.54	.86	2.23	1.66	1.70	2.44	1.65	3.33	2.50		19.61
May	2.37	3.68	2.95	.61	2.42	1.68	1.59	2.93	9.29	2.02		22.54
June	.77	.88	2.26	1.83	2.60	3.14	1.69	1.83	.49	1.34		16.83
July	4.34	2.51	1.14	2.02	2.98	1.89	2.87	1.64	4.41	2.36		26.16
August	4.55	2.40	1.77	1.84	1.80	4.83	.22	4.74	2.04	2.74		26.73
September	.53	.98	1.83	3.91	1.06	3.55	1.13	2.76	1.41	2.48		19.64
October	2.55	2.99	2.42	2.34	4.19	1.23	.28	2.54	5.48	.97		25.57
November	3.19	1.76	1.80	4.13	.28	5.61	1.48	1.20	3.83	4.22		27.80
December	.95	2.50	.94	1.59	2.38	2.48	2.35	4.32	1.99	1.35		20.85
TOTALS	29.68 D	25.00 D	22.43 D	25.68 D	23.98 D	33.38 D	22.73 D	31.42 D	28.91 D	26.55 D		269.76 412

243.21

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.
1941			Loughbor' L.N.E.R.	3 m.	E	Nanpantan	1/2 m.	W.

BRITISH RAINFALL ORGANIZATION

Station No. 2518 T.F. 21RAINFALL at LOUGHBOROUGH (NANPANTON RES.) (+A) 51County of LEICESTERSHIREObserver W. GRANGER, Esq., C.E.River Basin TRENT - R. BANK - 4Borough Surveyor (use 1955 B.R.)Type of Gauge SNOWDON (+A)Annual Average 26.1 in. based on 35 years obs. un-weighted.Period of average 1881-1915 Ref. S28-13 " " " " " " 1916-1950File No. 176-1950 40346/30 P

Diameter ...	5"			115	174							
Height ...	1' 0"				1				1' 4"			
Altitude ...	269'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	2.87	2.80	.85	1.36	2.04	4.10	1.83	2.74	2.90	5.31		27.30
February ...	3.46	.64	1.48	2.98	2.15	.43	2.66	3.47	.08	1.59		18.94
March ...	3.58	3.11	1.69	2.25	3.39	1.14	2.20	1.89	1.79	1.67		22.71
April ...	1.95	2.14	2.32	.41	1.17	1.10	.23	.74	3.06	1.25		14.37
May ...	3.97	2.43	2.48	2.74	4.11	.74	1.34	2.35	.43	1.30		21.89
June ...	1.18	1.91	3.16	2.85	4.18	3.12	1.25	3.71	1.51	2.38		25.25
July ...	.82	.32	1.62	2.62	1.55	2.17	3.54	4.36	.97	3.41		21.11
August ...	4.66	2.37	2.92	5.20	.31	5.26	2.58	1.95	.99	4.02		30.26
September ...	1.45	1.65	1.56	2.02	1.50	1.97	5.98	3.25	-.07	4.18		23.63
October ...	.78	2.71	3.00	3.82	1.70	1.45	1.44	2.53	2.04	5.61		25.08
November ...	5.24	2.04	1.50	5.56	1.81	.85	2.17	1.36	2.58	3.23		26.34
December ...	2.21	3.10	.76	2.99	1.78	3.40	2.03	3.04	3.78	3.45		26.54
TOTALS ...	32.17	25.22	23.34	34.60	25.69	25.73	27.25	31.39	20.20	37.90		283.49
	D	D	D	D	D	D	D	D	D	D		

July 1959 B.O.K. Satisfactory exposure.

Position of Station on Ordnance One-Inch map :

No. of Map 121National Grid Reference SK(43)50817

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1955			Loughborough (Central)	3 mi	E.	Nanpanton	1/2 mi	W.

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
	✓ Net-17	✓	✓	✓	