

## RAINFALL AT

Leeds

Observer *Edmund G. S. S. S. S.*

Woodhouse Moor Res.

Rain By *R. & Z*Gauge Diameter *8* in.Height above Ground, *7* ft. in.Above Mean Sea Level *325* ft.

YEAR.....										1868	1869	Means.
January.....										2.68	2.58	
February.....										1.53	2.55	
March.....										1.98	1.37	
April.....										1.72	1.47	
May.....										1.10	4.55	
June.....										.17	.70	
July.....										.36	.37	
August.....										1.81	1.50	
September.....										3.36	4.15	
October.....										2.57	1.40	
November.....										1.88	1.59	
December.....										6.70	4.17	
TOTALS.....										25.86	26.40	

1868 In the watershed of the Aire, and is on the high ground of the immediate outskirts of the Urban portion of Leeds - I should be inclined to consider it the representative gauge for Leeds. E. S.

# RAINFALL AT *Leeds Woodhouse Moor*

Lat.....

Lon.....

County of.....*Yorkshire N.R.*

Rain Gauge, by.....

Observer.....*E. F. Little Esq. C.E.*

Diameter .....	.8	.									
Height .....	.9	.									
Altitude .....	305.	.		307. <sup>W</sup>							
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.12	.87	2.92	2.62	1.68	4.12	.83	4.08	2.77	1.35	2.336
February .....	1.58	2.07	2.69	.88	1.34	1.46	2.67	1.92	1.18	3.11	1.890
March .....	1.38	.92	2.01	2.28	1.82	.57	3.89	2.91	.59	1.33	1.770
April .....	.65	3.42	3.07	.49	1.32	.58	2.54	3.59	2.32	2.30	2.022
May .....	1.29	.97	1.33	2.43	.91	1.52	1.09	2.23	4.23	1.60	1.760
June .....	1.90	3.69	4.82	1.11	.54	2.64	2.32	1.31	4.10	4.52	2.695
July .....	1.04	2.76	5.21	2.67	2.38	3.27	1.93	3.76	.96	2.97	2.695
August .....	1.80	.93	2.59	2.35	2.09	1.90	1.91	4.44	5.77	3.67	2.745
September.....	.93	6.08	4.13	1.96	2.32	2.90	3.25	3.15	3.00	1.75	2.947
October.....	6.25	2.85	4.75	2.21	2.14	4.47	3.28	3.87	2.48	.70	3.300
November.....	2.05	.73	4.54	2.07	2.66	3.90	3.14	2.93	3.02	1.38	2.642
December.....	3.02	1.08	3.11	.29	3.06	.95	6.83	2.51	1.51	1.37	2.373
TOTALS .....	24.01	24.37	41.11	21.36	22.26	28.28	33.68	36.70	31.93	26.05	29.175

# RAINFALL AT *Leeds, Woodhouse Moor*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *York*

Rain Gauge, by \_\_\_\_\_

Observer *E. F. Miller, Esq., C.E.*

*Use - Air - 9*

Diameter ....	<i>8</i>										
Height .....	<i>9</i>										
Altitude ....	<i>307 ft</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	<i>.11</i>	<i>.34</i>	<i>2.41</i>	<i>4.48</i>	<i>3.76</i>	<i>1.45</i>	<i>3.91</i>	<i>1.58</i>	<i>.82</i>	<i>.88</i>	<i>1.974</i>
February ....	<i>2.00</i>	<i>4.04</i>	<i>.56</i>	<i>2.63</i>	<i>1.95</i>	<i>2.30</i>	<i>.54</i>	<i>.72</i>	<i>.97</i>	<i>1.11</i>	<i>1.792</i>
March .....	<i>2.25</i>	<i>3.61</i>	<i>2.35</i>	<i>1.12</i>	<i>1.64</i>	<i>1.35</i>	<i>2.36</i>	<i>1.24</i>	<i>3.13</i>	<i>2.55</i>	<i>2.160</i>
April .....	<i>1.94</i>	<i>1.45</i>	<i>3.53</i>	<i>3.10</i>	<i>2.13</i>	<i>1.43</i>	<i>1.55</i>	<i>.47</i>	<i>2.25</i>	<i>2.56</i>	<i>2.051</i>
May .....	<i>2.37</i>	<i>1.23</i>	<i>1.32</i>	<i>1.00</i>	<i>1.10</i>	<i>1.90</i>	<i>4.48</i>	<i>1.95</i>	<i>.77</i>	<i>2.91</i>	<i>1.903</i>
June .....	<i>2.50</i>	<i>1.90</i>	<i>3.54</i>	<i>3.24</i>	<i>.87</i>	<i>2.82</i>	<i>.80</i>	<i>.05</i>	<i>3.04</i>	<i>.29</i>	<i>1.905</i>
July .....	<i>4.69</i>	<i>2.53</i>	<i>3.32</i>	<i>3.37</i>	<i>5.05</i>	<i>1.01</i>	<i>5.31</i>	<i>1.41</i>	<i>4.39</i>	<i>1.57</i>	<i>3.265</i>
August .....	<i>1.41</i>	<i>3.60</i>	<i>1.81</i>	<i>2.01</i>	<i>.92</i>	<i>.82</i>	<i>2.31</i>	<i>1.17</i>	<i>1.87</i>	<i>3.36</i>	<i>1.928</i>
September ....	<i>3.88</i>	<i>2.69</i>	<i>2.22</i>	<i>4.67</i>	<i>1.40</i>	<i>3.00</i>	<i>1.16</i>	<i>2.66</i>	<i>.67</i>	<i>1.14</i>	<i>2.349</i>
October .....	<i>4.55</i>	<i>2.70</i>	<i>5.11</i>	<i>3.15</i>	<i>1.25</i>	<i>4.64</i>	<i>3.90</i>	<i>2.01</i>	<i>.50</i>	<i>3.84</i>	<i>3.165</i>
November ....	<i>2.49</i>	<i>3.33</i>	<i>3.87</i>	<i>2.58</i>	<i>1.08</i>	<i>2.00</i>	<i>1.55</i>	<i>1.96</i>	<i>5.96</i>	<i>.83</i>	<i>2.565</i>
December ....	<i>3.84</i>	<i>2.80</i>	<i>5.41</i>	<i>1.15</i>	<i>2.26</i>	<i>.48</i>	<i>3.70</i>	<i>1.48</i>	<i>1.80</i>	<i>1.64</i>	<i>2.456</i>
TOTALS ....	<i>32.03</i>	<i>30.22</i>	<i>36.65</i>	<i>32.50</i>	<i>23.41</i>	<i>23.20</i>	<i>31.57</i>	<i>16.70</i>	<i>26.17</i>	<i>22.68</i>	<i>27.513</i>



# RAINFALL AT Leeds Woodhouse Moor

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of York W.R.

Rain Gauge, by \_\_\_\_\_

Observer J. Hewson Esq. C.E.Rise - Aue 9

Diameter ....	8											
Height .....	0 9											
Altitude ....	307 $\pi$											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	3.03	1.36	1.62	.98	2.69	4.40	.56	2.40	.90	3.60	2.154	
February ....	.87	.02	2.15	2.88	4.37	.27	.87	2.86	1.67	1.56	1.752	
March .....	1.61	1.10	.97	.36	1.62	1.98	3.03	2.74	.95	1.17	1.553	
April .....	.89	1.86	1.30	1.05	2.76	1.61	1.33	1.83	2.75	2.06	1.744	
May .....	2.56	2.33	2.97	1.95	1.47	.46	.49	1.21	1.94	3.29	1.867	
June .....	2.59	1.12	4.61	1.41	2.59	2.90	4.22	3.18	1.62	1.45	2.569	
July .....	2.19	3.01	1.96	4.90	2.60	6.51	1.68	.44	1.04	1.59	2.592	
August .....	4.05	3.96	2.78	1.97	2.53	1.78	2.28	2.57	3.50	1.48	2.690	
September....	1.84	1.60	1.47	1.74	.61	.88	3.49	2.16	.40	3.46	1.765	
October .....	.70	3.73	6.78	2.24	4.23	3.38	4.08	1.70	3.73	2.52	3.309	
November....	2.75	3.02	1.97	1.69	1.52	3.05	1.84	2.60	2.38	1.13	2.195	
December ....	.97	4.15	.55	2.90	1.42	3.01	3.56	2.72	2.48	2.62	2.438	
TOTALS . . .	24.05	27.26	29.13	24.07	28.41	30.23	27.43	26.41	23.36	25.93	26.628	

1870

RAINFALL AT Leeds Woodhouse Moor

Lat. ....

Lon. ....

County of York W.R. Central

Rain Gauge, by .....

Observer J. Newson Esq. Ch.  
C.F. Hargreaves Ch.Obs. Aug 9

Diameter	8										
Height	0 9										
Altitude	307 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January	3.69	1.63	1.13	2.07	2.85	.69	2.83	.80	1.33	1.29	1.831
February	6.24	1.41	1.42	1.91	3.72	1.25	1.88	1.58	1.31	.62	2.134
March	.75	2.08	.82	3.25	1.72	2.09	1.55	1.67	3.61	3.46	2.100
April	1.16	2.30	1.62	1.34	1.39	2.32	.58	1.44	2.55	2.62	1.732
May	1.32	1.23	2.76	3.51	2.80	.58	1.92	3.71	2.21	1.80	2.184
June	2.83	1.15	1.67	1.60	.89	1.31	1.02	3.23	.86	2.54	1.710
July	3.22	1.18	2.02	2.82	1.96	1.27	1.07	1.85	2.71	3.06	2.116
August	5.02	1.39	3.47	2.77	3.19	4.39	1.74	1.50	1.83	2.50	2.780
September	.54	1.07	.92	3.60	.89	1.58	.56	.81	2.19	1.63	1.379
October	3.25	1.72	2.82	7.47	.44	1.86	3.95	5.58	1.41	2.05	3.055
November	3.12	3.83	1.80	1.31	1.81	3.69	3.12	3.27	1.20	.41	2.256
December	3.23	4.95	2.18	1.28	1.61	.25	2.19	2.57	1.50	5.62	2.538
TOTALS	34.37	23.94	22.63	32.93	23.27	21.28	22.41	28.01	22.71	27.60	25.915

Hick

## RAINFALL at

Leeds Woodhouse Moor

County of W. Yorkshire

Observer

E. G. Hengellay, C.E.

River Basin Ouse-Aire 9

Rain Gauge, by

Diameter ...	8										
Height .....	0 9										
Altitude ...	307 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919 MEANS Totals
January ...	3.14	.74	4.69	3.85	1.39	3.18	1.19	2.38	1.93	3.30	8.80
February ...	2.21	1.66	2.28	.69	1.46	3.35	3.73	.54	2.94	1.94	9.15
March .....	.51	.85	3.30	2.89	2.37	.97	3.98	2.46	1.23	3.29	10.96
April .....	2.34	.79	.19	2.69	1.22	.91	.94	1.50	1.17	1.60	5.21
May .....	1.79	1.18	3.28	2.39	.92	1.60	2.21	2.41	3.04	1.36	9.02
June .....	2.27	4.26	4.68	1.40	2.03	1.90	1.96	1.27	1.24	1.04	5.51
July .....	3.04	.54	4.76	.63	3.20	3.70	1.09	.96	4.43	2.77	9.25
August .....	3.46	1.85	5.30	1.11	1.91	2.65	1.75	5.76	2.23	1.74	11.48
September ..	.14	2.38	1.51	1.19	1.33	.65	1.92	.73	6.74	.76	10.15
October ...	3.14	2.53	2.48	2.85	2.26	1.06	3.92	3.67	1.87	2.74	12.20
November ..	3.98	2.87	1.85	2.09	3.10	2.20	2.91	1.62	1.23	1.74	7.50
December ...	2.79	3.69	2.21	2.00	5.67	6.35	2.11	1.77	4.35	3.12	11.55
TOTALS ...	28.81	23.44	36.53	23.78	26.86	28.52	27.71	25.07	32.60	25.40	110.78

↑

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.



RAINFALL at Leeds Woodhouse MoorCounty of N. R. YorkshireObserver C. G. Hensgill Esq C.E.River Basin Ouse Aire &(1925) H. Shortland Esq. C.E.

Rain Gauge, by

Leeds W.O.

Diameter ...	8											
Height .....	0 9											
Altitude ...	307											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1920 Mean	1920-29 Total
January ...	3.03	3.50	2.92	1.37	1.78	2.36	2.32	1.95	6.20	1.77	3.49	30.69
February ...	1.86	1.15	2.18	4.02	1.74	4.00	2.40	1.95	2.73	1.42	1.65	20.30
March .....	1.88	1.06	1.58	1.56	1.62	1.77	1.46	1.94	2.78	1.28	2.46	15.69
April .....	3.43	1.39	2.49	2.08	1.64	3.23	1.29	2.63	1.77	1.08	2.34	22.37
May .....	2.71	1.36	1.86	2.92	3.39	3.90	2.77	2.12	2.23	1.51	1.53	25.30
June .....	1.39	1.01	1.33	1.64	2.24	1.10	3.26	2.70	4.80	1.75	1.24	18.46
July .....	3.32	1.49	3.82	4.40	3.04	1.74	2.52	4.57	1.42	2.04	5.12	32.48
August .....	1.74	3.89	4.35	2.24	2.53	1.96	2.80	6.26	3.75	1.92	3.08	34.54
September...	1.27	1.13	2.69	2.41	2.48	2.59	1.36	4.08	1.22	1.45	3.28	21.96
October .....	2.25	1.76	1.06	1.99	2.99	3.11	2.63	2.93	4.24	2.61	2.83	28.60
November...	1.31	2.56	1.49	2.74	2.22	1.90	4.32	3.33	3.76	4.40	3.89	31.92
December...	2.34	3.05	3.58	3.17	2.60	3.27	1.99	2.40	1.48	4.53	2.39	29.80
TOTALS...	28.53	20.35	28.35	29.54	26.29	27.93	27.42	36.06	33.58	21.76	32.30	312.11

Small leak found repaired in June/1928.

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	Parish Church.	Distance from gauge	Direction

RAINFALL at Leeds (Woodhouse Moor)County of West RidingObserver H. Shortreed, Esq., C.E.River Basin Ouse - Aire - 9.R. H. Forster Esq., C.E. (1939)

Type of Gauge.....

Annual Average 26.7 in. based on 35 years obs. un-weighted. Period of average 1881 - 1915 Ref. B. 17

780902/27

Diameter	8.										
Height	0.9.			1' 0							
Altitude	307.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Monthly Totals
January	2.20	1.57	1.63	1.71	1.26	3.22	3.26	2.93	4.37	2.67	24.82
February	2.41	.40	2.80	.29	2.71	2.68	5.22	1.23	1.70	2.38	22.87
March	.55	1.67	1.84	2.08	.97	1.64	2.19	.23	2.13	2.02	15.32
April	3.43	2.83	1.17	2.79	2.34	1.28	2.86	.08	1.08	2.83	20.69
May	2.83	6.05	3.17	1.35	.97	2.15	2.52	4.02	1.61	.64	24.31
June	5.48	.35	1.12	1.70	3.04	4.27	2.64	2.27	2.37	.35	23.59
July	2.27	3.20	2.16	2.17	.38	2.87	2.03	4.41	4.13	4.24	27.86
August	3.69	.94	0.72	1.09	1.37	1.52	.82	4.94	2.25	.35	17.69
September	4.27	1.79	1.68	2.18	5.91	2.42	1.42	1.99	1.44	1.77	24.87
October	1.16	3.34	3.55	2.13	5.06	1.88	2.41	3.82	2.38	3.44	29.17
November	4.51	1.66	2.84	2.05	4.94	3.22	1.83	3.60	3.67	5.20	33.02
December	1.05	1.01	0.57	4.50	2.49	1.46	2.24	3.37	1.68	2.13	20.50
TOTALS	33.85	23.81	23.75	24.04	31.44	28.61	29.44	32.94	25.81	28.02	284.71

Inspected June 1934. - Recommended that gauge be set up with rim 1 ft. above ground, rain be caught in glass bottle and taken measure be brought into use.  
 Rec. carried out - see f. encl 49A  
 1940. Jan. cancelled for snow.

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



Station No. T.F. 328.1RAINFALL at Leeds (Woodhouse Moor) 41County of West Riding Observer K. L. Foster Esq. F.R.S.River Basin Ouse-Aire

Type of Gauge.....

Annual Average 26.7 in. based on 35 years obs. ~~un~~ weighted. Period of average 1881-1915 Ref. Bd NFile No. 78992/2

Diameter	8"		076	438							
Height	1' 0"			1							
Altitude	307'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	3.11	2.79	3.57	3.01	2.77	2.71	2.24	5.12	.90	1.26	28.08
February	2.92	1.23	.99	1.22	2.78	2.70	3.45	1.58	1.21	4.54	22.62
March	3.92	2.49	.57	.17	.48	1.54	5.51	1.12	1.03	.89	17.72
April	2.06	1.60	1.57	2.05	1.81	1.55	2.36	1.58	2.49	2.86	19.93
May	1.41	2.67	2.36	1.08	3.33	2.60	3.98	1.01	1.92	1.29	21.65
June	.33	.96	1.78	1.81	2.87	1.85	2.41	3.02	.57	.78	16.38
July	1.91	1.64	1.08	2.53	2.05	3.36	4.84	1.14	2.71	2.97	24.29
August	2.62	2.98	3.48	3.09	2.46	3.67	.54	3.73	2.17	5.65	30.39
September	.43	1.45	3.17	4.43	1.54	4.35	1.02	.87	1.29	2.92	21.47
October	2.55	2.00	1.55	2.80	3.61	1.04	.83	.94	3.51	1.08	19.91
November	2.58	1.14	2.03	4.81	.30	5.09	2.07	1.05	3.70	4.07	26.84
December	.79	1.52	1.28	2.90	1.79	2.78	2.13	2.18	3.06	1.58	20.01
TOTALS	24.63	22.47	23.43	29.30	25.79	33.24	31.38	23.94	24.62	29.89	269.29

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.

BRITISH RAINFALL ORGANIZATION

Station No. 3281

T.F. 4

RAINFALL at Leeds (Woodhouse Moor)

51

County of West Riding - Yorks.

Observer

K. D. Forster Esq. C.F.River Basin Don - Don - 9Type of Gauge SnowdonAnnual Average 26.7 in. based on 35 years obs. un-weighted.Period of average 1881-1915Ref. B of N.27.91 " " " " " " 1916-1950File No. 1916-1950P.E. 23380/53

Diameter ...	8"			076	438							
Height ...	1'0"				1				1'2"			
Altitude ...	307'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	761 Means	Totals 1951-60
January ...	1.94	2.24	.36	2.20	1.74	3.89	1.44	2.74	2.89	5.12	4.47	24.56
February ...	2.84	.56	1.92	2.49	2.06	1.46	3.13	4.59	.13	1.84	1.92	21.02
March ...	2.93	1.67	.61	1.71	2.43	.70	1.76	1.88	1.33	2.36	.43	17.38
April ...	.87	1.14	2.15	.18	.76	2.18	.18	.56	3.75	0.85	3.72	12.62
May ...	4.49	1.65	1.48	3.12	2.69	.63	1.28	3.59	.94	1.07	1.39	20.94
June ...	.82	1.58	2.32	1.51	1.47	2.62	1.63	3.73	1.55	1.16	1.22	18.39
July ...	2.43	.77	2.19	1.31	.89	3.70	2.82	4.25	1.78	3.04	2.45	23.18
August ...	5.11	2.06	2.69	6.25	.72	5.77	5.22	2.07	.81	4.13	2.36	34.83
September ...	2.23	2.19	1.94	2.77	1.10	3.28	4.36	3.26	.17	3.39	3.44	24.69
October ...	.86	3.69	1.74	3.84	1.56	1.40	1.93	1.62	2.22	5.30	3.17	24.16
November ...	6.34	1.40	2.58	4.64	2.08	.52	1.74	.81	3.40	5.34	1.37	28.85
December ...	2.76	2.01	1.22	2.57	3.08	2.76	2.87	3.33	4.26	2.54	2.94	27.40
TOTALS ...	33.62	20.96	21.20	32.59	20.58	28.91	28.36	32.43	23.23	36.14	28.88	276.02

Inst. II 1948/50% of poor to be replaced. No brass rim so may read high. Exposure satisfactory

(44)

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE 291350

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