

RAINFALL AT *Great Malvern British Camp Res S*

Lat. _____

Lon. _____

County of *Worcester*

Rain Gauge, by _____

Observer *H. P. Maybury Esq C.E.**Seven, R-1.*

Diameter									5		
Height									1.7		
Altitude								677			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....							.67	1.82	.61	4.14	
February ....							.29	3.03	1.16	2.85	
March							2.78	3.08	.43	.32	
April .....							.80	1.90	2.16	1.99	
May .....							.30	1.15	4.16	2.42	
June							1.96	2.66	.63	1.80	
July							1.18	1.51	1.22	.79	
August							1.70	4.17	3.05	1.06	
September....							4.98	2.47	.47	3.05	
October							2.42	1.46	4.25	2.47	
November....							.53	1.88	1.75	2.31	
December							2.95	3.03	2.81	2.47	
TOTALS							20.56	28.16	22.70	25.67	

RAINFALL AT *Great Malvern British Camp Res N*

Lat. _____

Lon. _____

County of _____

Worcester

Season, R-1.

Rain Gauge, by _____

Observer

H. P. Maybury Esq. C.E.

Diameter										11		
Height										11		
Altitude									677			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January . . . .							.65	1.93	.52	3.95		
February . . . .							.30	2.82	1.22	2.77		
March							2.72	2.95	.60	.32		
April . . . . .							.82	1.73	2.02	1.95		
May . . . . .							.32	1.12	4.05	2.32		
June							1.90	2.55	.62	1.80		
July							1.17	1.50	1.15	.77		
August							1.70	3.85	3.09	1.05		
September							4.82	2.25	.45	2.92		
October							2.20	1.30	4.17	2.40		
November . . . .							.52	1.85	1.75	2.17		
December							2.57	2.25	2.82	2.32		
TOTALS							19.69	26.10	22.46	24.74		

RAINFALL AT Gr Malvern British Camp Res S

Lat.

Lon.

County of WorcesterSynonym Rain Gauge, byObserver H.P. Maybury Esq. Cl.
W Osborne Thos Esq. Cl.Seven R-1.

Diameter ..	5										
Height	1	7	2	0		1	0				
Altitude ..	677	670				677					
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.75	1.35	.56	3.14	2.75	.99	4.54	1.27	.90	1.13	2.038
February ..	4.26	.88	1.24	1.80	4.57	.90	1.68	.89	1.07	.38	1.767
March	1.08	1.38	1.25	3.53	1.40	3.82	1.37	.78	2.84	2.72	2.017
April	1.25	2.45	2.03	2.09	1.37	2.97	1.26	1.98	3.38	2.14	2.092
May	2.36	1.05	2.22	5.09	2.02	.52	2.74	3.04	2.14	1.11	2.229
June	2.30	2.93	2.74	3.61	.76	3.91	3.27	2.57	1.20	2.95	2.624
July	2.33	2.98	1.10	2.48	2.78	.83	.94	2.86	2.59	2.50	2.139
August	3.03	2.32	3.30	3.70	1.94	5.34	1.03	2.70	3.46	2.35	2.917
September ..	.63	1.41	2.70	3.20	2.79	1.25	.78	.75	2.23	3.60	1.934
October	3.50	1.18	2.81	6.80	.59	1.67	5.65	7.58	2.16	3.75	3.569
November ..	2.29	1.02	3.00	1.49	1.42	3.19	2.92	2.44	1.51	.66	1.994
December ..	4.97	3.18	1.48	1.41	2.23	.70	1.58	4.08	2.27	4.14	2.604
TOTALS ..	31.75	22.13	24.43	38.34	24.62	26.09	27.76	30.94	25.75	27.43	2.1024

1905 ^{at Malvern} Little Malvern Church $\frac{1}{2}$ mile NNE
 Malvern Well Station 2 " NNE
 Hills 300 ft high 500 yards S + SW
 gauge in open.

It seems doubtful whether the N. + S. gauges may have been confused in some years

RAINFALL AT *Great Malvern British Camp Res. N.*

Lat.

Lon.

County of *Worcester*

Rain Gauge, by

Observer *H.P. Mayhew Esq. C.E.*

Season, R-1.

W. Hornby Throp Esq. C.E.

Diameter ..	<i>11</i>	<i>5</i>									
Height	<i>0 11</i>	<i>2 0</i>									
Altitude ...	<i>677</i>	<i>673</i>									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	<i>3.75</i>	<i>1.37</i>	<i>.60</i>	<i>3.15</i>	<i>2.75</i>						
February ..	<i>4.25</i>	<i>.90</i>	<i>1.17</i>	<i>1.80</i>	<i>4.67</i>						
March	<i>1.07</i>	<i>1.35</i>	<i>1.40</i>	<i>3.52</i>	<i>1.40</i>						
April	<i>1.25</i>	<i>2.40</i>	<i>2.12</i>	<i>2.10</i>	<i>1.37</i>						
May	<i>2.35</i>	<i>1.02</i>	<i>2.25</i>	<i>5.05</i>	<i>2.02</i>						
June	<i>2.27</i>	<i>2.95</i>	<i>2.80</i>	<i>3.60</i>	<i>.76</i>						
July	<i>2.22</i>	<i>2.97</i>	<i>1.17</i>	<i>2.52</i>	<i>2.78</i>						
August	<i>3.25</i>	<i>2.32</i>	<i>3.42</i>	<i>3.70</i>	<i>1.94</i>						
September..	<i>.60</i>	<i>1.42</i>	<i>2.97</i>	<i>3.22</i>	<i>2.79</i>						
October....	<i>3.50</i>	<i>1.20</i>	<i>2.82</i>	<i>6.80</i>	<i>.59</i>						
November..	<i>2.27</i>	<i>1.02</i>	<i>3.00</i>	<i>1.47</i>	<i>1.39</i>						
December..	<i>4.95</i>	<i>3.17</i>	<i>1.50</i>	<i>1.42</i>	<i>2.20</i>						
TOTALS ..	<i>31.73</i>	<i>22.09</i>	<i>25.22</i>	<i>38.35</i>	<i>24.66</i>						

It seems doubtful whether the N. & S. gauges may have been infused in some years

RAINFALL at Malvern British Camp Res

239

County of WorcestershireObserver W Osborn Thorp Esq C.E.River Basin Severn-Right Bank Tributaries 1

Synon Rain Gauge, by

Diameter ...	5											
Height	0	11										
Altitude ...	677	ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Totals
January ...	2.33	.83	4.87	3.89	.82	3.00	1.06	1.06	2.74	3.48		13.29
February ...	3.24	1.61	2.17	1.17	2.50	3.36	4.04	1.24	1.15	3.13		83.4
March .....	.84	2.11	4.18	4.90	3.31	.96	4.09	2.35	1.54	4.77		9.56
April	2.06	1.30	.11	4.29	1.34	1.15	1.11	4.45	2.60	1.86		12.75
May	1.35	1.08	3.39	2.90	1.67	3.86	3.45	3.90	1.56	.98		7.02
June	3.05	2.22	4.54	.89	3.13	1.31	1.81	2.29	.91	.95		9.89
July	2.07	.30	4.65	.94	4.06	5.12	1.95	1.64	3.56	2.95		5.96
August	6.46	1.70	8.75	1.57	1.52	3.17	3.27	6.12	1.87	2.42		10.10
September ..	.50	1.57	.88	3.25	1.28	.82	1.17	1.84	5.44	1.74		13.18
October ...	3.70	2.45	3.69	5.79	1.77	4.87	3.74	2.92	1.11	2.46		10.19
November ..	4.31	3.21	1.53	3.19	3.08	2.36	2.46	.97	1.53	1.48		10.23
December ...	4.99	6.72	3.36	1.09	5.66	5.64	2.34	.66	2.59	3.77		6.44
TOTALS ...	34.93	25.10	42.12	33.87	30.14	35.12	30.49	26.44	26.10	29.99		9.36
	7	2	3	2	1	2	2	2	2	2		113.02

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52.3	2.20.	Malvern Wells	2 Mls	NE	5 fms	1/2 m	NE

RAINFALL at allahura (British Camp Reservoir).County of WorcesterObserver Capt. W. Osborne Thorp. CERiver Basin 1 - Sever R.

Mo.
Lymington Rain Gauge, by
immediate and direct
flat measure, .006 short between .3 + .03, broken } v. 27

Diameter ...	5												
Height	1.0												
Altitude ...	677												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean		
January ...	3.17	2.92	3.33	1.14	3.53	1.92	3.35	3.20	3.85	1.13	3.53	Totals 31.06	
February ...	.69	.20	2.87	5.14	.47	2.80	2.22	2.68	2.09	.78	1.65	20.59
March	3.48	1.26	2.32	1.83	1.22	.32	.35	2.36	3.25	.07	2.20	18.64	
April	4.58	.90	2.03	2.56	2.98	1.73	2.76	1.28	0.85	.91	2.76	23.32	
May	1.75	1.49	.75	1.67	5.76	3.46	3.24	.90	0.93	1.67	1.99	23.61	
June	2.84	.54	.64	.32	2.56	.00	1.43	3.03	1.94	1.74	1.28	16.32	
July	4.27	.41	4.55	2.97	4.76	3.13	1.72	2.96	1.24	1.66	3.46	31.13	
August	0.69	3.08	3.54	1.61	3.60	1.98	2.94	4.81	2.22	1.24	2.73	28.44	
September...	2.53	1.14	2.25	1.90	5.08	3.60	.53	4.22	0.86	.44	4.08	26.63	
October	2.44	1.49	.45	5.02	4.37	3.03	2.59	1.84	4.93	4.00	2.16	32.32	
November...	0.88	1.68	1.18	1.32	2.64	1.26	6.23	3.35	2.38	7.85	3.59	32.36	
December...	2.63	1.58	3.64	2.48	2.95	2.21	.50	2.51	2.45	5.08	3.22	29.25	
TOTALS...	29.95	16.69	27.55	27.96	39.92	25.45	27.86	33.14	26.93	26.57	31.55	313.67	

1920: Monthly values from 4 V. 22. Extra 15 V. 22.

improved 75' 5 V. 27 5' on ridge of grass land stretching toward reservoir, 1 ft 6 in above ground, somewhat overcast to E + W
 lowest drop of 12 ft. to reservoir while in E land drops down eventually.

all other position was distant to north instead of west of reservoir with adequate shelter to S + W. This should be fairly good.
 Gauge moved to new site May 1927. Gauge 30' high 120' N.E.

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

No. of Map

Reference No.

Date.	Lat. N.	Longer	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920: See sheet.	52° 3'	22° 0'	allahura Wells	2 m.	N.E.	St. Giles	5 m.	N.E.

RAINFALL at Malvern (British Camp Res.)

County of WorcestershireObserver W. Osborne Thorp, Esq. C.E. ^{left 10/40}River Basin Severn-Right BanktribsMalvern U.D.C.Type of Gauge M.O.Annual Average 28.5 in. based on 20 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. 3

769025/27.

Diameter	5												
Height	10												
Altitude	667	677											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals	
January	1.03	2.31	1.66	2.02	.71	3.53	3.38	2.65	5.61	4.02		26.92	
February	1.76	.12	2.74	.41	1.55	2.80	4.07	.47	1.04	2.66		17.62	
March	.14	1.72	2.36	1.93	.68	2.31	3.02	.16	1.44	1.37		15.13	
April	3.25	3.52	1.81	2.85	4.22	2.18	2.38	.06	2.56	2.62		25.45	
May	4.34	6.37	2.18	1.23	.80	.66	3.00	1.58	0.96	2.37		23.49	
June	4.06	1.44	2.49	1.54	2.78	4.28	.76	1.01	1.82	.65		20.83	
July	3.71	2.09	1.88	1.32	.47	4.75	3.06	2.84	4.71	2.73		27.56	
August	5.13	3.02	0.59	2.10	1.47	.29	.26	2.92	1.88	.27		17.93	
September	2.38	3.63	1.97	2.07	3.62	3.68	2.97	1.43	0.51	.75		23.01	
October	.76	4.39	3.88	1.39	2.96	1.43	2.63	1.89	2.80	3.92		26.05	
November	3.67	1.59	0.76	2.05	5.96	2.26	1.51	2.42	4.03	6.02		30.27	
December	1.09	1.14	0.51	5.55	3.43	2.15	2.28	3.40	1.29	1.56		22.40	
TOTALS	31.32	31.34	22.83	24.46	28.65	30.32	29.32	20.83	28.65	28.94		276.66	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		766	

1931. House 30' high 100' N.N.E.

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
1931.			Malv. Wells.	2m	N.E.	Little Malvern	1/2m	N.E.

Station No. 2379RAINFALL at Malvern (British Camp Res.)

41

County of Worcestershire Observer Malvern U.D.C.River Basin Severn - Right Bank - 1Type of Gauge h.o.Annual Average 28.5 in. based on 20 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref 5File No. 769025/27

Diameter	5"				447	331						
Height	1'0"					1						
Altitude	677					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	4.56	3.96	5.01	2.06	1.12	2.04	1.99	3.84	1.32	.14		Totals 26.06
February	2.36	.51	1.26	.73	1.53	1.48	1.79	1.16	.84	4.26		15.91
March	2.04	2.69	1.22	.41	.64	.80	6.24	1.12	1.34	1.27		17.77
April	1.64	.90	.93	1.19	.94	2.27	2.40	1.92	2.76	1.69		16.64
May	2.47	3.40	3.61	.73	2.45	3.09	2.20	3.22	2.43	2.29		25.99
June	1.89	.10	1.49	1.78	3.21	1.89	1.48	2.19	.52	1.79		16.34
July	2.61	1.22	1.18	2.13	2.49	1.51	1.31	.90	1.85	2.46		17.63
August	3.59	3.21	2.09	2.95	3.03	5.01	1.27	4.67	2.12	3.48		31.42
September	.86	1.74	1.84	2.33	2.04	2.93	1.28	2.62	2.19	3.10		20.93
October	2.39	2.21	1.89	4.17	2.88	.61	.52	2.46	5.19	.71		23.03
November	2.58	1.18	1.77	3.84	.30	4.55	1.84	1.57	2.99	4.66		25.18
December	1.44	3.43	1.37	1.79	4.51	1.89	2.01	3.18	0.92	1.53		22.13
TOTALS	28.45 D	24.61 d	23.66 d	24.11	25.14 D	28.07 d	24.33 D	28.95 D	24.47 D	27.26 D		259.05 40

1941 Open Hillside

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

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Malvern Wells.	2 m.	N.E.	St. Giles.	1/4 m.	N.E.

BRITISH RAINFALL ORGANIZATION

Station No. 2379

RAINFALL at *Malvern (British Camp Res.)*

51

County of *Worcestershire*

Observer

*Malvern V.D.C.*River Basin *Lewin - Right Bank 1.*

Type of Gauge

*M.O. (Gallia)*Annual Average *28.5* in. based on *20* years obs. ~~un~~weighted. Period of average *1881-1915* Ref. *S*.. .. *27.70* *28* (with) *1928-56*File No. *196-1915-5*
76925/27

Diameter ...	5"				4 1/2	3 3/4				5"	
Height ...	1' 0"									1' 0"	
Altitude ...	677'				51					677'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	2.42	1.83	.61	1.85	3.33	3.68	1.44	1.94	3.94	5.30	26.34
February ...	3.24	.49	1.32	1.95	1.46	.34	2.14	3.95	.03	2.13	17.05
March ...	4.01	2.38	.86	1.68	2.30	.86	2.09	1.62	2.14	1.98	19.82
April ...	2.60	2.05	2.48	.34	.94	2.31	.08	.44	2.37	1.45	15.06
May ...	4.00	3.28	2.57	1.85	4.32	.74	1.71	2.09	.80	1.78	23.14
June ...	1.46	1.80	1.86	3.91	4.67	1.90	.94	3.59	.99	2.37	23.49
July ...	.66	.72	3.38	2.19	2.02	2.64	2.83	3.46	1.55	2.51	21.95
August ...	3.88	4.18	4.23	3.37	.40	2.93	4.55	2.11	1.25	3.33	30.23
September ...	2.68	1.83	2.36	1.25	1.30	3.87	3.95	5.15	.12	4.82	27.33
October ...	.96	4.05	2.35	2.80	1.13	1.28	.84	2.06	2.20	7.42	25.08
November ...	6.56	3.38	1.20	6.44	3.28	.71	1.58	3.04	4.29	4.09	34.57
December ...	2.60	2.06	1.47	1.48	2.64	2.63	2.43	3.71	4.95	2.45	26.42
TOTALS ...	35.07	28.05	24.69	29.11	27.79	23.89	24.58	33.04	24.63	39.63	290.48
	D	d	d	D	D	D	np.	d	d	D	

1957 NP low.

Inspected 4.3.60 by Hobbins. o/c across res. SE→SW. otherwise good wind breaks.

1959: Raker in but accept.

764399

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference *So (3) 764399*

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1954			Malvern Wells	2 m	N/E	Little Malvern	1/4 m	N/E

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - *Rejected*

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