

Dudley
RAINFALL AT *Sedgeley Shavers End*

Lat. Lon. County of *Stafford*
 Rain Gauge, by Observer *W. Vandrey Esq. C.E.*
 Season, *Loc. 2.*

Diameter										5"	
Height										1. -	
Altitude										550	770 ^T
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MIRANS.
January49
February											42 2.48
March											2.47 2.17
April											1.29 3.44
May70 3.38
June											2.36 1.52
July											4.78 1.65
August											3.89 2.97
September.....											.89 2.73
October36 3.61
November.....											4.02 .90
December											2.53 1.80
TOTALS											27.14

*St James Church Dudley 1/2 mile S.S.E
 Cottage 15 ft high 90 ft S*

N.B. Values rejected from Survey, 1928.

RAINFALL AT Dudley Shavers End

Lat.

Long.

County of

Stafford

Rain Gauge, by

Observer

W. Vandrey Esq. C.R.
H. Ashton Hill Esq. C.R.

Severn, L - 2.

Diameter	5										
Height	10										
Altitude	770 T						744 T				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.65	1.92	1.43	1.45	1.51	2.92	1.10	1.40	1.11	3.03	1.802
February53	.07	.94	2.20	1.80	.16	.64	2.62	1.16	1.92	1.204
March	1.50	.89	.67	.46	1.09	1.66	3.08	2.26	.79	.73	1.212
April.....	.60	1.77	.74	.65	1.53	2.19	1.14	1.60	1.48	2.01	1.391
May	1.70	3.07	1.74	1.79	2.20	.99	.32	1.49	3.66	1.59	1.855
Juno	2.07	2.10	3.92	1.39	2.65	.83	1.31	2.97	1.23	2.82	2.129
July	1.95	1.59	2.80	2.94	2.96	2.69	1.82	.94	1.23	1.51	2.043
August	3.86	4.34	2.05	1.86	1.73	2.45	2.43	4.85	1.98	1.38	2.693
September....	1.19	1.28	2.65	1.39	1.63	.23	4.01	2.43	.41	2.49	1.449
October.....	1.99	5.15	2.59	2.10	2.80	2.84	2.43	1.24	2.64	2.81	2.609
November....	3.21	2.14	1.77	.87	2.79	3.11	1.29	1.71	1.73	1.49	2.011
December40	2.70	1.30	3.14	1.71	1.76	3.46	2.29	1.76	1.97	2.049
TOTALS	21.65	27.02	22.60	20.24	24.40	21.33	23.03	25.80	19.18	23.75	22.900

1890 St James' Dudley 650 yards SE
 Cottage 15 ft high 90 ft S

N.B. Annual values rejected from Survey, 1928.

RAINFALL AT Dudley Shavers End

Lat.

Lon.

County of

Stafford

Rain Gauge, by

Observer H. A. Hill Esq. C.E.

Seven, L-2.

Diameter ..	5										
Height ..	10										
Altitude ..	7447										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.88	1.08	.81	2.28	2.29	.70	2.68	1.03	.80	.93	1.548
February ..	2.85	1.08	1.00	1.30	3.03	.48	2.16	1.21	1.09	.55	1.475
March ..	.59	1.72	1.17	4.19	1.35	2.68	1.46	.85	3.07	2.34	1.942
April ..	.97	1.66	1.84	.87	1.37	1.53	1.78	2.07	2.28	1.75	1.612
May ..	1.67	1.03	3.23	1.97	2.14	.38	2.90	3.95	2.83	1.27	2.137
June ..	2.40	3.03	1.83	.87	.30	2.62	2.49	2.85	2.83	3.69	2.204
July ..	1.58	2.09	1.39	1.48	1.95	1.60	.91	2.07	1.97	3.30	1.834
August ..	3.04	2.23	5.00	4.21	2.47	4.51	1.22	3.03	3.63	1.77	3.111
September ..	1.08	.95	.83	3.00	1.84	1.44	1.51	.84	1.49	2.84	1.582
October ..	2.89	1.14	2.78	5.52	.62	1.25	5.06	5.40	1.88	3.59	3.003
November ..	2.02	1.17	1.80	1.69	1.04	2.04	2.67	2.32	2.12	.88	1.775
December ..	3.80	3.24	1.58	1.62	1.68	.55	1.55	2.53	2.20	4.29	2.337
TOTALS ..	25.77	20.42	23.26	29.00	20.01	19.78	26.72	28.15	26.19	27.20	24.650 37.4

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HAB

N.B. Annual values rejected from Survey, 1928.

10 1317
(2660/3)

RAINFALL at Dudley Sharrow End

County of Staffordshire

Observer H. A. Walling C.S.

River Basin Severn: Left Bank Below 2

7 P.M. on English

Rain Gauge, by

Diameter ...	5										
Height	1.0										
Altitude ...	744 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.04	.63	3.18	3.84	1.34	2.80	1.05	1.68	1.86	2.81	
February ...	3.66	1.40	1.55	.79	2.30	3.48	3.09	1.03	1.10	1.83	
March50	1.36	1.23	5.09	2.43	1.19	2.13	1.41	1.32	3.70	
April	1.88	.93	.14	4.20	.94	1.22	1.29	.96	2.14	1.63	
May	1.79	.59	2.94	2.27	1.48	2.37	2.44	3.24	2.60	.89	
June.....	2.12	1.86	5.58	1.47	3.23	1.08	1.40	2.28	.85	1.34	
July	2.62	.24	2.85	1.37	3.81	7.14	2.00	2.29	2.39	3.16	
August	5.29	1.93	6.72	1.58	2.45	2.18	2.19	6.67	2.08	2.85	
September ..	.57	1.83	1.06	1.63	1.08	.44	1.21	1.82	5.97	1.81	
October ...	2.68	2.09	2.96	2.99	1.73	2.49	3.53	3.31	1.15	3.02	
November ..	3.74	2.77	2.12	2.52	3.40	2.10	3.06	1.49	2.03	1.20	
December ...	5.40	5.45	3.65	.98	6.04	5.15	2.08	.89	3.03	3.27	
TOTALS ...	32.29	21.08	37.03	28.73	20.23	31.64	25.46	26.97	26.52	27.51	

1917 Dwellinghouse
Engine "30 yards N
20 NNE

A. B. Annual values repeated from Survey, 1928.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1917	52.31	2.6.	Dudley	2000 yds	E	St James Dudley	800 yds	SE

RAINFALL at Dudley (Shropshire) No 1 (old gauge)

County of Shrops Observer F. J. Dixon, Esq., C.E.

River Basin 2 - Severn L.

Shrewsbury Rain Gauge, by _____

Diameter ...	50	Height	10	Altitude ...	7445	Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 M.M.H.S.	Totals 30.37
January ...	2.62	2.19	3.01	4.83	2.70	1.91	2.56	2.41	4.20	1.42	5.50							
February ...	1.13	2.27	2.71	4.18	5.8	2.72	1.93	2.18	1.73	5.0	1.64	18.61						
March	2.16	1.12	1.70	1.27	1.32	91	45	2.48	2.13	1.15	2.42	16.71						
April.....	4.07	1.96	2.76	2.31	2.54	2.20	2.38	2.08	1.19	1.68	3.02	24.19						
May	2.62	1.44	1.16	1.53	5.46	2.97	3.33	1.61	3.2	2.10	2.31	24.85						
June	3.76	1.66	.57	4.9	2.40	1.19	1.68	4.45	3.09	1.76	1.30	20.35						
July	3.92	1.65	5.26	3.63	3.70	3.21	3.27	4.39	1.30	1.62	5.02	36.02						
August	1.58	3.77	4.60	2.32	3.31	3.33	1.87	4.23	2.64	1.86	3.22	32.73						
September...	2.17	1.02	2.91	2.39	4.02	3.83	1.14	4.81	.70	.89	3.42	27.30						
October.....	3.06	1.99	4.43	3.82	4.26	3.70	2.23	1.89	4.57	4.15	3.02	33.50						
November...	4.6	1.50	1.01	1.65	1.94	1.45	4.94	3.99	3.65	6.89	3.20	30.70						
December...	2.21	2.11	3.01	3.05	2.91	1.94	.55	2.02	1.99	5.17	2.94	27.90						
TOTALS..	29.80	17.68	29.13	28.57	35.16	28.36	26.33	36.84	27.51	27.19	36.01	322.23						
	0	0	0	0	0	0	0	0	0	0	0	400						

1920. Dwelling house 24' high 300 ft off N.

Tyrone " 16 ft 0 in " 20 ft. NNE.

24. 12. 28 Inspected by Mr Glanville see green file

28622

N.B. annual values to 1925 rejected from Survey 1928.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____

Date.	Lat. N.	Longit.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1920.	53° 31' 26"		Dudley	2,000 ft	E.	St. James'	200 ft. SE.

2317/1

RAINFALL at Dudley, Shropshire, Engt. New Gauge.

County of Shropshire Observer F. J. Nixon Engt. G.S.

River Basin Severn - Syst. Parkin Mile. 2.

Standard Rain Gauge, by
New gauge.

Diameter	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
Height										1.0	
Altitude										725	
January										1.34	5.24
February										.53	.57
March										.13	2.74
April										.60	2.72
May										1.99	2.18
June										1.65	1.28
July										1.56	4.38
August										1.74	3.03
September										.81	3.24
October										4.04	2.75
November										6.66	2.97
December										5.10	2.83
TOTALS										26.15	33.93

1929. New to be printed. Obs. informed, incl. 2925 731754/26.

House 24 ft. high 13° 32' E.

Engine house 16 ft. high 14° 30' S.S.E.

1930. N. &.

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
1929			Dudley	2000 yds.	E.	St. James, Dudley	826 yds.	S.S.E.

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

RAINFALL at Dudley (Gloucestershire) No. 1County of S. Staffordshire Observer H. J. Dixon Ref. 51River Basin Severn Left Bank 2Type of Gauge Standard

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....

731754/26

Diameter	5	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
Height	10											
Altitude	745											
Year		1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	1.83	2.16	1.93	3.04	1.08							
February	2.36	2.7	2.97	3.5	2.28							
March	1.18	1.47	2.60	2.14	.77							
April	4.02	3.45	0.85	2.29	3.60							
May	4.14	5.72	1.69	1.15	1.17							
June	4.27	1.42	3.08	1.33	4.09							
July	3.42	3.36	2.14	1.25	.52							
August	5.45	2.49	1.10	2.45	1.88							
September	2.63	2.87	0.50	1.84	4.71							
October	1.11	4.11	4.70	1.69	4.35							
November	3.44	2.33	0.92	2.21	5.83							
December	1.06	.87	0.44	4.96	2.96							
TOTALS	33.91	30.22	22.92	24.70	33.24							
	D	D	D	D	D							

1931. Dwelling house 24' high 30 yds. N. Engine house 16' high 20 yds. N.N.E.

1936. Experiments will check gauges in alternative sites have shown little deviation. This g. will be accepted although exposure is somewhat unorthodox.

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
1931.			Dudley	2000 yds.	E.	St. James Dudley	500 yds.	S.S.E.

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

23/7/1
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RAINFALL at Dudley (Shavers End. No 2)

County of Staffs

Observer F. J. Dixon, G.E.

River Basin 2 - Severn - Left Bank.

Type of Gauge M.O.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.

781754/26.

Diameter	5"											
Height	1' 0"											
Altitude	735'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.69											
February	2.29											
March	1.17											
April	3.70											
May	3.87											
June	4.01											
July	3.06											
August	5.12											
September	2.60											
October	1.03											
November	3.12											
December	0.94				X							
TOTALS	31.60	N.R.	N.R.									

1931. 1/2. Dwelling house 24' high 13 yds. E. Engine house 16' high 14 yds. S.S.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			Dudley	2000yds	E	Dudley, St. James	826yds	SSE.

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

RAINFALL at Dudley (Sheaves End No 3)County of Staffs Observer F.J. Dixon, G.E.River Basin 2. Severn. Left Bank.Type of Gauge M.O.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

781764/26.

Diameter	5"	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
Height	1' 0"											
Altitude	745'											
Year		1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January		2.05	1.94	2.97	1.12							
February			1.28	3.21	3.4	2.38						
March		1.20	1.37	2.58	1.98	1.72						
April		3.80	3.20	0.85	2.12	3.47						
May		4.00	5.47	1.64	1.05	1.14						
June		4.07	1.29	3.05	1.23	3.79						
July		3.09	3.04	2.11	1.21	1.46						
August		5.18	2.45	1.03	2.13	1.83						
September		2.60	2.53	0.47	1.69	4.63						
October		1.04	4.03	4.68	1.57	4.25						
November		3.21	2.31	0.91	2.14	5.79						
December		1.98	1.86	0.45	4.75	3.18						
TOTALS	Imp.	28.88	22.92	23.18	32.76							
		2	2	2	2	2	2	2	2	2	2	

1931. Engine house 16 high 25yds S.S.E.

Surface rain gauge modified 12.34 to be in accordance with standard.

1936. Discontinued March 3rd 1936. No evidence of improvement or No 1 gauge this latter will therefore be accepted although exposure somewhat less.

* If any record for 1936 recd. it shd be entered on a new 10yr sheet no. 2440/5, Nos 1/5 on account of changes in County Boundaries.

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			Dudley	1980yds	E	St. James, Dudley	806yds	SSE.

RAINFALL at Dudley (Shavers End). No. 1

County of Worcestershire

Observer F. J. Dixon C.E.

River Basin Trent - Right Bank Tribs - 5

Type of Gauge Snowdon

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

731754/26.

Diameter						5"	094	471			
Height						1.0					
Altitude						745					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January						3.40	3.17	2.83	5.35	2.68	27.47
February						2.52	3.65	.64	1.01	2.43	18.48
March						1.98	2.48	.50	1.54	1.68	15.34
April						2.04	2.97	.15	1.82	3.03	24.22
May						1.63	2.63	2.57	1.29	2.57	24.56
June						2.66	.68	1.59	1.99	.64	21.75
July						8.08	2.92	3.20	4.90	2.99	32.78
August						.83	1.34	3.55	2.06	.24	21.39
September						3.83	2.42	1.76	0.97	1.07	22.30
October						1.69	2.54	2.59	4.05	3.47	30.30
November						2.71	1.58	3.82	5.62	6.34	34.80
December						2.36	2.02	3.57	1.60	1.99	21.83
TOTALS						33.73	28.40	26.77	32.20	29.13	29522 420

1931 Dwelling house 24' high 30yds N. Engine house 16' high 20yds NNE.

1936. Experiments with shade gauges in alternative sites have shown little variation. This g. will be accepted although exposure is somewhat unorthodox.

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
1931			Dudley	2000yds	E	St. James Dudley	800yds	SSE.

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

RAINFALL at Dudley (Shavers End) No. 3.

County of Worcestershire Observer J. W. Wilkinson Esq. B.C.,
River Basin Trent Right Bank trib - 5.

Type of Gauge.

Annual Average 30.7 in. based on 11 years obs. - weighted. Period of average 1881-1915 Ref. 5.

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

Station No. TF. 2440. / 3

RAINFALL at Dudley (Shawes End) N° 1

41

County of Worcestershire

Observer

C.B.E.
T. J. Dixon Esq C.E.

River Basin Trent: Right Bank - S

R.C. Roberts Esq M.A. (77)

Type of Gauge Amouardan

Annual Average 27.4 in. based on years obs. un-weighted. Period of average

Ref. 226645/33

File No. 731284/26

Diameter	5"				094	471						
Height	10"						1					
Altitude	745'						41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.77	3.42	5.14	2.42	1.32	2.51	1.80	4.29	1.43	.72		26.82
February	2.44	2.95	1.57	1.51	1.96	2.45	1.08	1.51	.68	4.31		18.46
March	2.42	1.68	.96	1.42	1.09	.75	5.35	1.26	1.50	1.08		16.54
April	1.80	1.63	1.19	1.68	1.15	2.02	2.09	1.76	2.32	2.23		17.56
May	3.63	3.82	3.78	.68	3.85	3.31	2.40	2.09	2.51	1.99		28.06
June	1.52	1.21	1.82	1.51	3.31	2.85	1.74	4.48	.33	2.11		20.94
July	2.96	2.05	1.30	2.50	2.10	1.70	4.33	1.96	1.32	2.72		22.73
August	4.23	2.92	1.98	1.71	1.93	6.13	1.35	2.06	1.76	3.46		29.53
September	.84	1.48	2.57	2.35	1.85	3.82	1.38	3.87	.91	5.06		23.53
October	2.63	2.52	2.07	3.09	3.70	.83	.52	2.74	5.81	.90		24.81
November	3.02	1.25	1.96	4.21	.55	5.48	1.63	1.81	3.05	4.59		27.55
December	1.76	2.77	1.35	1.78	2.83	2.86	2.35	4.59	1.42	1.50		23.21
TOTALS	30.74	25.70	25.69	23.92	25.64	34.71	26.02	33.81	23.04	30.67		279.9

1941 House 24' high 30 yds N. Engine House 16' high 20 yds. N.N.E.

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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
1941			Dudley	2000 yds	E.	Dudley	800 yds	S.S.E.

Station No. I.F. 2440/3

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RAINFALL at Dudley (Shropshire)

County of Shropshire

Observer

R.A. Robertson Esq. C.B.E.

River Basin Trent - Right Bank - 5

Type of Gauge Snowdon

Annual Average 27.8 in. based on 23 years obs. un-weighted. Period of average 1881-1955
 28.68 " " 25 " " 1916-1950 Ref. S.W.S. P
 File No. 226645/33

Diameter	5"				094	471					
Height	1' 6"						10"				
Altitude	745'					51					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.40	2.07	1.06	1.18	2.05	2.61	1.10	1.99	3.18	6.05	23.69
February	2.32	1.49	1.18	2.11	1.61	4.48	2.49	4.11	3.33	1.73	16.85
March	4.54	1.73	1.29	2.13	3.54	1.04	2.59	1.24	2.03	1.71	21.64
April	2.09	2.29	2.70	1.40	1.48	1.64	1.16	.68	3.27	1.02	15.73
May	3.16	3.74	2.20	2.59	4.44	.74	1.33	2.07	1.01	1.43	22.71
June	1.30	1.86	2.63	3.54	2.82	2.35	1.86	4.17	1.15	2.98	24.66
July	1.09	1.18	4.63	3.92	.61	2.95	4.75	5.61	1.66	2.71	29.11
August	5.44	3.31	2.90	5.42	.50	4.98	3.86	2.05	2.99	3.21	34.66
September	2.96	1.31	2.65	2.06	1.92	3.15	4.07	3.49	.26	5.83	27.70
October	.80	3.89	2.16	3.21	1.78	1.96	1.87	2.42	3.12	6.26	27.47
November	1.10	2.38	2.01	5.21	2.76	.71	2.13	2.03	3.65	4.15	32.13
December	2.20	2.76	1.39	2.22	2.81	2.44	1.70	2.88	4.27	2.76	24.93
TOTALS	35.40	27.01	26.80	33.99	25.62	25.05	27.91	32.74	26.92	39.84	301.28

1954. Dwelling House, 24' @ 20yds N.
 1958. 10ft. tall bank seen of fence. Res. side falls way in terrace through 25' between W.E. & road
 but Res. on fence side of road at some level contracts

Position of Station on Ordnance One-Inch map : No. of Map 130 National Grid Reference 504933.912

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
			Dudley	2000yd E	Dudley	800yd SSE

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
		✓ Butt - 15	✓ ✓	✓ ✓	✓ ✓	✓ ✓