

2317
80

Dudley
RAINFALL AT Sedgley Shaver's End

Lat. Lon. County of Stafford
 Rain Gauge, by Observer W. Vawdrey Esq. C.E.
Seven, L-2.

Diameter										5		
Height										1. -		
Altitude										550	770 ^T	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January										# .49		
February ....										.42	2.48	
March										2.47	2.17	
April										1.29	3.44	
May ....										.70	3.38	
June										2.36	1.52	
July										4.78	1.65	
August										3.89	2.97	
September ....										.89	2.73	
October ....										.36	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. _____

Lon. _____

County of *Stafford*

Rain Gauge, by _____

Observer *W. Vantrey Esq. C.E.**Severn, L-2.**H. Ashton Hill Esq. C.E.*

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	1.862	
February ....	.53	.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	1.819	
April .....	.60	1.77	.74	.65	1.53	2.19	1.14	1.60	1.48	2.01	1.341	
May	1.70	3.07	1.74	1.79	2.20	.99	.32	1.49	3.66	1.59	1.855	
June	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	1.441	
October	1.99	5.15	2.59	2.10	2.80	2.34	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	
December...	.40	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 11 Janu' Dudley 650 yards SE
Cottage 15 ft high 90 ft S

N.B Annual values rejected from Survey, 1928.

RAINFALL AT *Dudley Shavens End*

Lat.

Lon.

County of *Stafford*

Rain Gauge, by

Observer *H. A. Hill Esq. Cl.**Series, L-2.*

Diameter ..	5										
Height	1 0										
Altitude ..	744 ^T										
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	1.042
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	.33	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	.52	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	1.88	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 32.5

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

RAINFALL at Dudley Row EndCounty of StaffordshireObserver H. A. Hillier C.E.River Basin Severn - Left Bank Tributaries 2F. J. Hillier Esq. C.E.

Rain Gauge, by _____

Diameter ...	5											
Height	1.0											
Altitude ...	744 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	2.04	.63	3.18	3.84	1.34	2.80	1.05	1.88	1.86	2.81		16.19
February ...	3.66	1.40	1.55	.79	2.30	3.48	3.08	1.03	1.10	1.83		7.30
March .....	.50	1.36	4.28	5.09	2.43	1.19	2.13	1.41	1.32	3.70		7.04
April	1.88	.93	.14	4.20	.94	1.22	1.29	.96	2.14	1.63		8.56
May	1.79	.59	2.94	2.27	1.48	2.37	2.44	3.24	2.60	.89		6.02
June	2.12	1.86	5.58	1.47	3.23	1.08	1.40	2.28	.85	1.34		9.17
July	2.62	.24	2.85	1.37	3.81	7.14	2.00	2.29	2.39	3.16		5.87
August	5.29	1.93	6.72	1.58	2.45	2.18	2.19	6.67	2.08	2.85		9.88
September ..	.57	1.83	1.06	1.63	1.08	.44	1.21	1.82	5.97	1.81		13.79
October ...	2.68	2.09	2.96	2.99	1.73	2.49	3.53	3.31	1.15	3.02		10.81
November ..	3.74	2.77	2.12	2.52	3.40	2.10	3.06	1.49	2.03	1.20		11.01
December ...	5.40	5.45	3.65	.98	6.04	5.15	2.08	.89	3.03	3.27		7.78
TOTALS ...	32.29	21.08	37.03	28.73	30.23	31.64	25.46	26.97	26.52	27.51		186.46
	7	2	3	3	3	3	3	3	3	3		71

1917 Dwellings home
Signe30 fath N
20 fath NNE

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1917	52.31	2.6.	Dudley	200 yds	E	St James' Church	800 yds	SE

Shawdon Rain Gauge, by _____

Diameter ...	5'											
Height	1.0											
Altitude ...	745											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 W.H.A.S.	
January ...	2.62	2.19	3.01	1.83	2.70	1.91	2.56	2.41	4.20	1.42	5.50	Totals 30.27
February ...	1.17	.27	2.71	4.18	.58	2.72	1.93	2.18	1.73	.50	.64	12.61
March	2.16	1.12	1.70	1.27	1.32	.91	.45	2.48	2.13	.15	2.42	16.11
April.....	4.07	.96	2.76	2.31	2.54	2.20	2.38	2.08	1.19	.68	3.02	24.17
May	2.62	1.44	1.16	1.33	5.46	2.97	3.33	1.61	.32	2.10	2.31	24.85
June	3.76	.66	.57	.49	2.40	.19	1.68	4.45	3.09	1.76	1.30	20.35
July	3.92	.65	5.26	3.68	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	32.7
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	.43	3.84	4.26	3.70	2.23	1.89	4.57	4.15	3.02	33.40
November...	.46	1.50	1.01	1.65	1.96	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	28.52	35.16	28.36	26.33	36.54	27.51	27.19	36.01	322.23
	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	$\Sigma \checkmark$	Σ

1920. Dwelling House 24' high 30' off N.

Exposé "16/04/20" 1. 4. N.V.E.

28622

24. ix. 28 Inspected by Dr Glasfords see green file

N.B. annual values to 1925 rejected from survey, 1928

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

No. of Maps

Reference No.

Date.	Lat. N.	Long ^W .	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
14.2.	52° 51'	2° 6'	Dudley	2,000 yds.	E.	St. James'	Booth.	S.E.

RAINFALL at Dudley, Shaver's End New Gauge.County of Staffordshire Observer L. J. Dixon Esq. B.E.River Basin Severn Staff. Bank Ind. 2.Sited at New Gauge Rain Gauge, by New Gauge.

Diameter	...										5	
Height	...										1.0	
Altitude	...										725	
Year	...	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
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. Not to be printed. Obs. informed, incl. 29A & 731754/26.

House 24 ft. high 1372. E.

Engine house 16 ft. high 1472. S.S.E.

1930. N. E.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1929			Dudley	2000	725. E.	St. James, Dudley	826	725. S.S.E.

RAINFALL at Dundley (Ocham's End) No. 1County of Stafford Observer J. J. DixonRiver Basin Sewon Left Bank 2Type of Gauge Snowdon

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

731754/26

Diameter	5											
Height	1 0											
Altitude	745											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.83	2.16	1.93	3.04	1.08							
February	2.36	2.7	2.97	3.5	2.28							
March	1.8	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	2.57	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.							

Transfer to 1931/5, on basis
of country boundaries in 1936.
(see sheet no. 2440/3)

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

1936. Experiments with 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,
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
1931.			Dundley	2000 yds.	E.	St. James Dundley	800 yds.	S.S.E.

RAINFALL at Dudley (Sharns End. N° 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.

731754/26.

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	1.94										
TOTALS	31.60	N.R.	N.R.								

1931. N/P. 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	2000 yds	E	Dudley, St James	826 yds	S.S.E.

RAINFALL at Dudley (Shaws 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.
781754/26.

Diameter	5"										
Height	1' 0"										
Altitude	745'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January		2.05	1.94	2.97	1.12	+					
February		.28	3.21	.34	2.38						
March	.20	1.37	2.58	1.98	.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	.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	.98	.86	0.45	4.75	3.18						
TOTALS	Imp.	28.88	22.92	23.18	32.76						

1931. Engine house 16 high 25 yds SSE.

Inferior road gauge modified 12.34 lbs in accordance with standard.

1936. Discontinued March 31st 1936. No evidence of improvement on No 1 gauge.
This data will therefore be accepted although exposure
unorthodox* If any record for 1936 read, it sh'd be entered on a new 10 yr sheet
no. 2440/5. Was 15 on account of change in boundaryPosition 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	1910 yds	E	St James, Dudley	806 yds	SSE.

RAINFALL at Dudley (Sharps End) No. 3.County of WorcestershireObserver J. W. Wilkinson Esq. F.R.S.River Basin Treat Right Bank trib-5.

Type of Gauge.....

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

660552/26

Diameter						5"					
Height						10"					
Altitude						571'					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January						383					
February						299					
March						194					
April											
May											
June											
July											
August											
September											
October											
November											
December											
TOTALS											

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. 2440/13

RAINFALL at Dudley (Shawes End) N^o 1

41

County of Worcestershire Observer T. J. Dixon Esq. C.E.

River Basin Trent - Right Bank - S R.A. Robertson Esq. C.E. (1740)

Type of Gauge Snowdon

Annual Average 27.4 in. based on 226645/33 years obs. un-weighted. Period of average Ref.

File No. 731.754/26

Diameter	5"				94	471						
Height	1'0"					1						
Altitude	745'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
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	.95	1.57	1.51	1.96	2.45	1.08	1.51	.68	4.31		18.46
March	2.48	1.68	.96	.42	1.09	.75	5.35	1.26	1.50	1.08		16.54
April	1.50	1.63	1.19	1.68	1.15	2.02	2.09	1.75	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	1.57	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		22.95
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		279.94

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

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			Dudley	2000 y.	E.	Dudley	800 y.	S.S.E.

RAINFALL 1961-1970

Station BRATCH W. WKS. No. 2317
 County STAFFORDSHIRE (Old No. _____)
 Authority WOLVERHAMPTON C.B. WATER UNDERTAKING Grid Ref. 50(32) 868937
 Altitude 270 ft.
 River Basin SEVERN
 File 813050/27 TF _____ / MWR / m / a Tributary SMESTON, STOUR

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	Means
January ...					438	109					5.39
February ...						1					2.06
March ...						51					1.42
April ...											.93
May ...											1.32
June ...											1.82
July ...											3.14
August ...											2.51
September ...											4.71
October ...											6.29
November ...											4.11
December ...											2.67
TOTAL ...											36.37
Percentage ...											

AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 _____ in. _____

1916-1950 _____ in. _____

_____ in. _____

Type and capacity of gauge snowden 8"

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

slt. o/s N x NW.

Earliest year with complete data (D : W : M) _____

*NOTES on years with incomplete or unsatisfactory data:-

*Each note to be dated. Continue notes overleaf if necessary.

Station No. *T.F. 2440/3*
1953RAINFALL at *Dudley (Glavers End)*

51

County of *Worcestershire*Observer *R. A. Robertson Esq. B.C.*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 - 1915* Ref. *S.W.S.*
28.68 " " *35* " " *196-1950* *1916-1950* *2266.45/33* *P*

File No.

Diameter ...	5"				0.94	4.71						
Height ...	1' 6"					1		10				
Altitude ...	7165'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
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	.49	1.18	2.11	1.61	.48	2.49	4.11	.33	1.73	16.85	
March ...	4.54	1.73	1.29	2.13	3.34	1.04	2.59	1.24	2.03	1.71	21.64	
April ...	2.09	2.29	2.70	.40	1.48	1.64	.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	1.36	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	.60	4.98	3.86	2.06	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 ...	7.10	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	
	D	D	D	D	D	D	D	D	D	D	D	

1954. *Dwelling House, 24' @ 20 yds N.*
Inst. 1953, 1954. V. alt. 10 ft in room of furnace. Res. side falls way in tunnel through 25' between W.N.E. & road
but Res. on far side of road at same level counter

Position of Station on Ordnance One-Inch map :

No. of Map *130*National Grid Reference *50 933912*

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
			<i>Dudley</i>	<i>200 yds E</i>	<i>Dudley</i>	<i>200 yds S.E.</i>

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
	<i>✓</i> <i>but - 15</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	