

Rainfall at Westgate, Chichester

N. Tyacke Esq M.D.

Ans returned

Diameter of Gauge, ... 5 ... in.Height above Ground, ... ft. 2.6 in.Above Mean Sea Level, ... 12.1 ft.

YEAR - -					1854	1855	1856	1857	1858	1859	MEANS.
January - -					2.47	.34	3.15	2.32	1.16	1.99	
February - -					.70	2.00	1.15	.18	1.27	1.54	
March - - -					.38	2.23	1.24	1.82	1.08	1.15	
April - - -					.14	.26	3.37	1.61	2.07	2.87	
May - - - -					3.24	2.27	3.08	1.16	1.61	.99	
June - - - -					1.49	.66	1.42	1.51	.44	.70	
July - - - -					.82	3.94	.74	1.65	2.76	2.25	
August - - -					.80	1.28	3.54	2.96	3.07	1.68	
September -					.99	3.34	4.17	4.30	2.05	2.97	
October - - -					3.44	6.90	2.76	6.84	1.81	4.69	
November -					1.80	.99	1.35	1.77	1.35	3.98	
December -					1.31	1.35	3.10	.61	2.85	4.27	
TOTALS -					17.58	25.56	29.07	26.73	21.52	29.08	

Westgate, Chichester.

Dr. Tyacke.

Mrs. return.

Diam. 5 in. + ground bin.

+ Sea level 12 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.67	(.45)	2.14	3.22	1.43	4.33	5.24	3.29	3.19	2.77	2.973
February - -	1.01	1.90	.55	.50	1.15	2.44	4.16	1.64	1.05	1.92	1.632
March - - -	2.24	2.48	4.25	1.07	3.90	1.04	1.85	2.94	1.46	1.64	2.287
April - - -	1.34	.53	1.77	.63	1.35	.50	1.04	1.41	2.02	1.02	1.169
May - - -	3.27	1.55	3.32	1.02	1.46	2.65	1.02	1.48	.76	4.21	2.074
June - - -	5.09	.86	1.31	3.47	1.32	2.04	1.79	1.77	.76	1.58	1.999
July - - -	3.56	3.73	1.85	.84	.26	2.31	1.60	3.38	.89	1.18	1.960
August - -	4.01	.42	1.30	1.88	1.38	4.39	1.96	3.04	3.39	.69	2.246
September -	4.36	3.34	1.58	4.60	3.01	.00	6.26	1.78	2.62	5.05	3.268
October - -	2.34	2.54	4.03	3.17	1.80	10.06	1.40	3.22	3.21	1.93	3.370
November -	2.94	4.69	1.21	2.16	4.37	2.98	1.82	1.29	1.37	1.75	2.458
December -	3.83	1.43	2.40	2.66	1.28	2.51	1.94	.98	7.03	3.17	2.723
TOTALS -	37.66	(23.92)	25.71	25.22	22.71	35.41	30.08	26.22	27.75	26.91	28.159

Record for Jan: 1861 lost.

RAINFALL AT *Chichester Westgate*

Lat.....

Lon.....

County of.....

Sussex

Rain Gauge, by.....

Observer

Dr. Lyall

Diameter	5 1/2		4									
Height	6											
Altitude	20 ³		40 ³									
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.66	3.14	5.27	3.50	1.91	4.29	.85	6.58	1.60	3.61	3.241	
February	2.64	1.22	2.05	2.93	1.88	2.35	3.41	1.85	1.96	4.07	2.436	
March	1.72	.80	2.32	2.37	.66	.94	3.16	2.56	1.25	.51	1.629	
April .....	.24	3.51	.91	.89	2.04	.97	1.90	2.37	2.67	3.78	1.928	
May	1.05	.12	2.68	1.24	.29	.89	.55	2.77	3.09	2.79	1.547	
June.....	.40	2.99	2.09	1.86	2.51	3.00	1.15	1.41	1.73	4.49	2.163	
July	1.77	4.08	2.62	2.00	1.69	3.57	.49	2.67	1.49	3.13	2.351	
August.....	1.84	1.39	2.91	1.72	1.83	1.12	3.44	2.62	4.36	5.33	2.656	
September.....	1.49	4.16	1.14	2.52	2.73	1.97	4.72	1.31	1.92	3.83	2.579	
October.....	4.00	1.37	5.11	3.29	4.04	6.17	1.20	3.04	2.75	.92	3.189	
November.....	1.79	.95	5.19	2.50	2.93	5.27	4.03	7.09	2.71	.85	3.331	
December.....	2.46	1.13	4.64	.63	2.42	.99	7.30	2.39	1.98	.63	2.457	
TOTALS	21.06	24.86	36.93	25.45	24.93	31.53	32.20	36.66	27.51	33.94	29.507	

RAINFALL AT *Chichester Westgate*

70

Lat.....

Lon.....

County of.....

Sussex

Rain Gauge, by.....

Observer.....

D. Lyache

Diameter.....											
Height											
Altitude.....											
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....											
February.....											
March.....											
April.....											
May											
June.....											
July											
August						# 1.16					
September.....						2.05					
October.....						6.26					
November.....						5.03					
December.....						.92					
TOTALS						15.42	—	36.83			

1876 Observations not preserved

RAINFALL AT *Chichester, Westgate*

80

Lat.

Lon.

County of *West Sussex*

Meadow Rain Gauge, by

Observer *Dr Tyacke*

Diameter		8									
Height		6									
Altitude		40									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....		1.90	1.16	2.36	3.19	1.57	4.35	3.00	1.15	.65	
February ...		3.29	1.43	3.43	2.05	3.36	.61	.88	.93	1.80	
March		2.54	.98	.68	2.24	2.04	2.23	1.03	3.54	1.58	
April .....		.54	3.02	1.42	1.34	.86	1.34	1.35	1.35	2.38	
May		1.18	1.41	2.38	.43	3.01	3.95	.92	1.46	2.41	
June		1.79	2.61	1.61	1.15	2.61	.42	1.37	2.74	.76	
July		2.35	2.36	3.00	2.35	.63	3.24	.69	6.05	2.34	
August		4.71	1.64	1.23	1.55	.48	1.75	2.52	2.43	2.09	
September...		3.26	2.14	3.01	3.01	4.24	1.92	3.18	.74	.88	
October		1.41	8.25	2.57	1.48	3.62	4.73	1.12	1.99	7.74	
November....		3.89	3.39	4.57	1.11	2.91	3.29	5.09	4.83	.90	
December		3.01	2.74	.82	3.41	1.47	5.67	2.32	1.49	1.74	
TOTALS		30.88	31.13	27.02	23.31	26.80	33.50	23.47	28.70	25.27	(28.057)

Leaving for purpose of average. $\frac{21.70}{1914}$

RAINFALL AT Chichester Westgate

80

Lat.

Lon.

County of Sussex II 1

Lawn Rain Gauge, by

Observer J. Tricke

Diameter	5										
Height	6										
Altitude	407										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....	.32	1.90	1.16								
February....	2.89	3.29	1.48								
March .....	.89	2.54	.99								
April	1.34	5.4	3.17								
May .....	.42	1.18	1.40								
June	1.64	1.79	2.64								
July	3.67	2.35									
August	1.09	4.71									
September....	5.16	3.26									
October	6.81	1.41									
November....	2.92	3.89									
December	4.14	3.01									
TOTALS	31.29	29.87									

Observations discontinued as the gauge was getting overgrown

RAINFALL AT *Chichester Westgate Meadow*

Lat. _____

Lon. _____

 County of *W Sussex*

Rain Gauge, by _____

Observer

D^r Tyacke
No 1

Diameter	8											
Height	0 6											
Altitude	40											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.96	2.55	.92	1.81	4.96	2.87	.98	2.77	.81	3.24	2.387	
February	1.11	.06	.99	3.49	2.16	.12	.49	3.32	1.63	2.72	1.609	
March	1.20	2.70	.97	.25	1.34	2.01	3.11	3.99	.89	.75	1.721	
April	2.53	.69	1.22	.14	2.67	2.43	.52	1.89	1.02	2.62	1.573	
May	1.74	1.97	.85	.67	1.23	.23	.48	1.34	3.54	.97	1.302	
June	2.41	1.77	1.69	.63	1.85	.70	3.27	3.07	1.73	1.00	1.812	
July	2.97	2.13	3.77	4.25	5.26	3.97	1.11	.46	.65	1.26	2.593	
August	3.24	6.11	2.71	.90	1.95	2.86	1.46	3.27	1.35	.58	2.443	
September	1.09	1.73	3.17	1.94	4.50	1.18	8.09	2.50	1.01	2.61	2.782	
October	1.16	6.39	3.98	5.84	3.95	3.75	3.20	.50	3.81	1.85	3.443	
November	2.28	3.41	4.04	1.99	6.65	5.50	1.01	1.81	4.16	4.54	3.534	
December ....	.65	3.86	2.43	2.53	2.04	2.98	4.47	3.37	2.68	1.48	2.619	
TOTALS . . .	23.29	33.37	26.74	24.54	38.56	28.60	28.19	28.29	23.28	23.62	27.818	

RAINFALL AT *Chichester Westgate Meadow*

Lat. Lon. County of *West Sussex*
 Ordinary *Open* Rain Gauge, by Observer *Dr. Tynock*
261 *Geo Ashby Esq*

Diameter ..	8											
Height	0	6										
Altitude ..	40											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.44	1.16	.98	2.89	4.38	1.11	6.67	.86	1.08	1.09	2.366	
February ..	5.03	1.62	1.94	1.30	3.54	.50	2.91	1.12	1.14	.30	1.940	
March ....	.76	2.37	1.81	2.62	.99	3.90	1.50	.70	2.72	3.64	2.101	
April	1.19	2.42	.92	2.28	1.51	1.94	.77	3.95	2.10	1.40	1.848	
May .....	.79	.52	2.02	2.31	4.15	.40	1.98	2.50	1.57	1.72	1.799	
June	2.87	2.58	2.68	2.30	1.00	3.75	1.53	2.58	.77	2.91	2.297	
July	1.14	1.94	1.61	3.14	1.24	.41	.50	1.10	2.28	2.95	1.631	
August	2.29	1.56	4.35	5.19	2.68	2.85	.70	1.31	2.82	2.82	2.657	
September ..	.60	1.80	.79	4.25	1.94	2.06	1.52	.59	1.66	3.22	1.843	
October	2.69	2.64	2.55	7.38	2.44	1.58	3.86	6.06	3.65	7.10	3.985	
November ..	2.96	.38	4.38	1.85	1.20	4.03	4.77	2.44	1.34	.84	2.419	
December ..	3.27	3.93	1.66	2.08	3.08	.70	2.16	3.34	3.98	4.46	2.866	
TOTALS ..	27.03	22.92	25.69	37.59	28.15	23.26	28.87	26.55	25.01	32.45	27.52	

Averages

	50 years 1839-1888	65 years 1839-1903
Jan.	2.67	2.56
Feb.	1.97	1.95
Mar.	1.81	1.80
Apr.	1.59	1.60
May	1.87	1.77
June	1.91	1.92
July	2.28	2.31
Aug.	2.39	2.45
Sep.	2.93	2.81
Oct.	3.60	3.65
Nov.	3.01	3.02
Dec.	2.54	2.55
Year	28.57	28.39

1903 St Bartholomew Church 200 yards W.N.W. 7.E.S.E.
 Gauge in open meadow, free from obstruction
 1905 Chichester Station 1/4 mile ^{SE} ~~West~~ S.E.

RAINFALL at

Chichester Westgate

County of Sussex

Observer

F. A. Tyacke Esq

River Basin Lavant & C 1

Copper

Rain Gauge, by

Diameter ...	8											
Height	0 6											
Altitude ...	40											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTAL
January ...	3.04	1.08	3.57	5.16	.50	4.36	1.11	1.33	3.65	5.92		16.19
February ...	3.86	1.61	2.10	1.25	4.37	4.24	4.26	1.48	1.17	2.44		12.01
March	1.20	1.68	4.07	2.74	4.79	.84	3.37	2.46	1.19	4.56		9.33
April	2.08	1.45	.04	2.64	1.51	1.25	.94	1.81	1.87	1.88		11.58
May	1.75	2.23	1.58	2.43	1.30	3.63	1.63	2.09	1.59	.55		6.50
June	2.06	1.64	2.84	.71	1.36	.56	1.96	2.56	1.05	.76		5.86
July	2.31	.47	1.85	2.15	2.09	3.42	.67	1.99	2.90	1.55		6.33
August	2.92	1.23	7.41	3.09	1.65	1.28	1.80	4.94	2.72	2.94		7.11
September ..	.14	1.47	2.72	2.93	1.53	2.48	3.03	1.09	6.05	1.28		12.40
October ...	3.94	4.71	3.21	5.75	2.49	3.99	4.79	4.11	1.42	.67		11.43
November ..	4.34	5.28	1.84	3.31	3.28	3.31	4.71	1.35	1.99	2.38		10.97
December ...	3.50	7.10	3.36	1.99	8.94	8.01	4.23	1.62	2.84	5.74		10.43
TOTALS ...	31.14	29.95	34.59	34.15	33.81	37.37	32.50	26.83	28.44	30.67	219.45	118.14
	\bar{x}		\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}	\bar{x}		1910

1910 Gauge in meadow fur

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
910			Chichester	1/4 mile	SE	St Bartholomew	200 yds	WNW

RAINFALL at Chichester WestgateCounty of SussexObserver G. A. Lyache EsqRiver Basin Savant & C. ICyprusCopper Rain Gauge, by

Diameter ...	8										
Height	0 6				1 0						
Altitude ...	40										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1931
January ...	3.97	4.35	4.11	1.61	3.06	4.28	4.08	2.31	4.94	1.39	4.55
February ...	.62	.51	3.16	5.16	.37	4.62	2.20	3.92	1.95	1.36	1.54
March	2.60	1.32	1.86	2.40	1.57	.32	.61	3.44	2.30	.09	1.44
April	2.86	.93	3.74	3.71	2.50	2.90	3.16	1.84	2.06	.77	2.64
May	1.22	1.78	.77	3.13	4.11	4.13	2.33	1.29	1.30	2.40	1.77
June	2.20	.06	1.58	.57	3.38	.01	2.62	3.12	2.04	1.79	.58
July	5.31	.46	4.02	1.22	2.93	3.07	1.77	2.91	1.65	1.97	2.20
August	1.00	1.84	3.47	2.42	2.90	4.06	2.04	3.96	2.12	2.15	3.48
September...	2.91	.98	1.70	2.38	5.18	2.43	.50	6.40	.87	1.81	2.60
October	3.16	.98	.77	6.52	5.02	3.98	2.48	2.24	7.72	4.88	2.20
November...	1.47	2.56	1.77	1.38	2.08	3.90	6.87	3.15	3.36	6.84	4.77
December...	3.03	2.19	3.97	3.45	5.04	4.37	.35	4.29	3.91	6.73	3.35
TOTALS...	30.35	17.95	30.92	33.95	38.14	38.07	29.01	38.87	34.22	52.18	31.12
	D	D	D	D	D	D	D	D	D	D	D

1922. g. in madow.

1925. Trees - height of trees less than distance from gauge.

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
1920			Chichester	1/2 mi	S. E	St. Bartholomew	150 yds	W

RAINFALL at Chichester (Westgate)County of SussexObserver G. Ashley Tyacke, Esq.River Basin Lewes &c 1Capt A. J. Tyacke I.R.O.C.Type of Gauge GlaisherAnnual Average 29.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref B. & N.

739315/27.

Diameter	8											
Height	10											
Altitude	40											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.45	2.75	2.07									
February	1.82	.37	3.06									
March	1.06	1.56	2.89									
April	3.18	2.37	1.25									
May	2.92	4.47	3.51									
June	1.69	1.69	1.77									
July	3.28	4.10	1.67									
August	3.32	.78	.83									
September	2.23	2.73	3.22									
October	.61	6.87	2.13									
November	3.58	1.80	.86									
December	.80	1.04	.64									
TOTALS	27.04	30.53	23.90	#								

1933. Lucco 40' high 40' east.

Record cross, hence sold to Ecclesiastical Commⁿ. March 1914N.B. Probably T in marsh when house is vacated.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			Chichester	1/4 m.	S. E.	St. Bartholomew	200 yds.	W.