

RAINFALL AT

Ipswich Museum

Lat. _____

Lon. _____

County of _____

Suffolk

Rain Gauge, by _____

Observer _____

F. J. Woodhouse Esq

Orwell - 2.

Diameter								8			
Height								9			
Altitude								72			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								2.33	.83		
February								2.12	.88		
March								2.56	1.73		
April								2.24	1.26		
May . . . . .								.88	2.28		
June								2.15	2.42		
July								2.37	1.46		
August								2.16	1.09		
September . . .								2.87	.23		
October . . . . .								.58	1.92		
November								1.00	2.64		
December								1.56	2.61		
TOTALS								22.82	19.35	N ^o 19.35	

RAINFALL AT Ipswich Museum

Lat.

Lon.

County of Suffolk

Rain Gauge, by

Observer F. Woolnough Esq

Orwell - 2.

Inns Cutting

Diameter ..	8										
Height	10										
Altitude ..	74										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.96	.68	.76	2.33	2.14	1.03	3.36	1.07	1.00	.68	1.601
February ..	2.75	.87	.80	.31	2.36	.98	2.22	1.21	2.00	1.20	1.470
March ....	.83	2.25	1.34	1.56	1.93	1.81	1.75	.86	1.89	2.80	1.702
April	1.32	1.77	.82	2.78	.94	2.43	.57	3.01	2.54	1.82	1.800
May	1.12	.67	2.73	2.48	2.16	1.52	1.26	1.94	1.37	1.24	1.649
June	2.96	1.54	4.00	3.66	.81	3.66	1.88	2.14	.61	3.82	2.508
July	1.17	1.52	3.92	4.49	1.51	.33	.37	2.71	4.41	3.51	2.394
August	2.89	1.28	3.43	3.80	1.19	3.07	.54	2.14	1.86	2.06	2.226
September ..	.66	1.15	1.49	2.94	1.15	1.63	1.49	1.00	1.35	2.05	1.491
October	1.91	1.70	1.66	4.31	.90	1.95	3.14	3.08	2.24	4.08	2.497
November ..	2.36	1.41	2.00	2.30	1.13	1.96	3.70	1.93	1.18	.99	1.896
December ..	2.84	4.84	1.58	1.23	1.74	.89	2.36	2.47	1.76	4.55	2.426
TOTALS ..	23.77	19.68	24.53	32.19	17.96	21.26	22.64	23.56	22.21	28.80	23.669

Hub

RAINFALL at Spawick MuseumCounty of StaffordObserver F. Woolnough Esq 1919 G. Maynard EsqRiver Basin Onwell 2

Rain Gauge, by _____

Diameter ...	8										
Height	0 10										
Altitude ...	72 *										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.00	1.37	2.26	3.75	1.35	2.84	1.28	1.74	2.37	3.30	
February ...	1.98	1.09	1.08	.46	1.35	2.71	3.64	.62	.71	2.96	
March	1.09	2.60	2.84	1.71	4.28	.99	4.52	2.74	.73	2.46	
April	2.17	1.28	.28	2.17	.65	.89	1.35	1.62	2.63	3.47	
May	3.99	.84	.48	1.24	1.15	2.00	1.99	1.50	1.43	.32	
June	3.32	2.77	2.99	1.01	1.16	.64	3.05	1.98	.82	1.76	
July	3.24	1.55	2.22	2.15	1.38	3.04	1.04	2.61	4.88	2.50	
August	4.12	.62	7.39	1.29	.94	2.08	5.98	3.84	1.08	2.34	
September ..	1.06	1.79	2.40	.78	1.10	1.35	1.14	1.49	3.66	.44	
October ...	1.36	2.44	1.56	3.26	1.55	1.46	1.93	3.49	2.09	1.39	
November ..	3.41	3.62	2.02	3.07	2.33	1.88	3.56	1.70	2.31	2.62	
December ...	5.18	4.55	1.86	.54	5.59	4.82	2.76	1.71	3.01	3.08	
TOTALS ...	32.92	24.52	27.38	21.43	22.83	24.70	32.24	25.04	25.72	26.64	

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
9.10	52° 3'	1.9	Spawick	1 m	S	Town	500 yds	SE

RAINFALL at Spawick, MuseumCounty of SuffolkObserver Frederick Gullison Esq.River Basin Orwell &(1926) N.O. Rain Gauge, by N.S.

Diameter ...	8										
Height	10										1 0
Altitude ...	73										164
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930
January ...	1.76	1.58	3.82		2.21	1.31	2.25	1.66	2.72	1.76	1.41
February ...	.56	.24	1.66		1.05	1.93	1.85	2.34	.98	.32	.69
March .....	.96	1.20	1.28		.62	1.14	.11	2.25	2.13	.03	1.69
April	2.43	1.03	2.22		2.85	1.48	3.81	1.79	1.36	1.65	1.64
May .....	.94	1.48	1.43		4.90	2.26	1.55	.85	1.98	1.26	2.33
June	1.02	.17	1.45		2.23	.38	2.08	3.67	2.24	.81	.91
July	1.45	.29	2.23		3.03	2.62	1.96	3.42	2.41	2.80	4.91
August	2.62	1.26	1.12		2.75	2.68	1.51	4.33	2.18	1.51	1.86
September...	2.31	2.30	3.34		2.26	2.03	1.02	3.17	.41	.91	5.01
October .....	.57	.74	.92		4.59	2.30	3.25	2.01	1.84	2.63	.80
November...	.55	1.29	1.38		2.13	2.32	3.77	2.77	2.43	4.07	3.32
December...	2.44	1.50	1.46		2.31	2.03	.55	2.24	4.69	4.20	2.04
TOTALS...	18.63	13.08	22.31		30.93	22.48	23.71	30.50	25.37	21.95	26.61

1920. 38ldp. on two sides 30ft off. by 12 yds. SE & 10 yds. SW replaced

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
1930			<u>Spawick</u>	1 mi	SE	¹⁹²¹ <u>St. Margaret's</u> <u>St. Matthews</u>	<u>1/2 mi</u> <u>300 yds</u>	<u>N.E.</u> <u>S.W.</u>

RAINFALL at Ipswich (Museum)County of SuffolkObserver F. M. Cullum Esq.River Basin Orwell - 2Type of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

833577/28

Diameter	8.										
Height	1.0.							11		1 3	
Altitude	164.	72				X	72				
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.76	.76	.80	1.19	1.99	3.16	3.79	2.28	4.97	1.65	2.235
February	2.36	.50	1.08	.37	2.42	2.44	3.19	.70	0.78	1.10	1.494
March	.55	1.05	1.48	1.91	.76	.47	2.33	.42	1.48	2.52	1.297
April	3.15	2.07	.93	2.48	2.17	1.19	2.51	.32	2.24	1.15	1.821
May	2.47	3.41	.85	1.25	1.62	.97	2.74	1.78	1.12.	.53	1.684
June	1.13	.49	2.32	.89	2.15	4.00	1.45	.61	1.33	.26	1.463
July	3.10	2.19	.92	1.90	.33	2.85	.97	1.02	1.77	2.57	1.762
August	2.77	.95	1.14	1.76	1.54	1.04	.92	.98	1.92	.39	1.341
September	1.95	1.27	2.69	1.42	3.04	1.75	1.58	2.01	0.32.	.90	1.693
October	.66	4.65	1.63	1.42	2.80	1.91	1.65	2.51	7.42	1.74	2.639
November	1.53	1.16	2.03	1.48	3.67	2.57	1.19	2.25	3.98	5.69	2.553
December	.61	.29	.53	3.06	2.11	1.23	2.81	2.73	1.14	1.55	1.606
TOTALS	22.04	18.79	16.40	19.23	24.60	23.58	25.13	17.61	28.47	20.05	21590 KM

1931. Buildings 50' high 30' SE
 " 25' " 45' SW. W
 " 25' " 35' NW
 " 35' " 80' NE
 1934 - Buildings 50' high 25' S.
 " 25' " 35' NW.
 Hedge. 35' " 25' W.
 " 35' " 30' E.
 " 35' " 20' ESE.

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			Ipswich LNER	1/2 mile	SE	St Matthews	1/2 mile	SSW
1940			Ipswich	1/2 mile	S.S.W	St Matthews	600 yds	SW

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

Station No. 1343

RAINFALL at Ipswich (Museum) 11

41

County of Suffolk Observer F.M. Callum Esq.

River Basin Orwell - 2 The Curzon.

Type of Gauge M.O. 

Annual Average 23.5 in. based on years obs. un-weighted. Period of average Ref

File No. 833577/28

Diameter	8"	2 1/2"	6 5/8"								
Height	1' 0"			1 2						10"	
Altitude	164'			72							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.15	2.55	3.09	1.03	1.96	2.08	2.30	3.26	1.56	1.16	21.14
February	1.56	.63	.53	1.35	1.29	.95	2.00	1.17	1.07	2.43	12.98
March	2.80	2.31	.08	.29	1.06	1.50	3.75	.89	1.24	.41	14.33
April	1.16	.39	.74	1.68	.99	1.03	1.49	1.20	1.15	1.21	11.04
May	1.31	.30	.81	.60	2.41	1.12	.44	1.15	3.01	1.31	12.46
June	.65	.62	1.44	1.54	2.11	3.14	1.96	2.16	.31	1.36	15.29
July	1.91	1.74	.34	1.94	1.66	3.52	1.17	1.16	.39	2.99	16.82
August	3.91	.71	1.16	2.55	1.68	4.15	.52	2.33	1.26	1.98	20.25
September	.14	1.97	1.70	3.32	1.94	1.45	1.08	1.22	1.38	3.09	17.79
October	1.79	3.26	1.04	3.73	1.17	1.16	.27	1.04	4.15	.46	18.07
November	2.45	2.34	1.62	3.53	.72	3.09	1.32	1.61	1.84	3.31	21.83
December	1.32	2.36	1.40	1.32	2.10	2.59	3.04	1.62	1.34	1.33	18.42
TOTALS	21.15	20.57	13.95	22.88	19.09	25.78	19.34	18.81	18.70	21.04	
	D	D	D	D	D	D	D	D	D	D	

1943 n.p. low.
 1944 obs states site not ideal but no better one available.
 Gauge in ground.
 Museum 35' high 25' S, Art School 35' high 24' N, Art School 30' high 24' W
 from 1945 printed with footnote g. oversheltered.
 Tree 30' high 24' E

* Used in general table. origin unknown

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	Parish Church.	Distance from gauge.	Direction
1941 1944			Ipswich Ipswich	1/2 m. 3/4 m.	S.E. S	St. Matthew St. Mary Elms	1/2 m. 1/4 m.	S.S.E. S.

BRITISH RAINFALL ORGANIZATION

Station No. 1343


51

RAINFALL at Ipswich (Museum)

County of Suffolk

Observer The Curator

River Basin Orwell 2

Type of Gauge  B.A.

Annual Average 23.5 in. based on 25 years obs. un-weighted. Period of average 25 years. Ref. Original unknown

File No. 833577/28

Diameter ...	8"					5"					
Height ...	0' 10"					8"		8"			
Altitude ...	72'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	1.68	2.22	.90	1.38	2.22	3.39	1.13	2.66	1.98	2.45	20.01
February ...	2.82	.83	1.07	1.58	2.17	1.33	2.31	2.32	.15	1.13	15.71
March ...	2.74	2.82	.36	2.68	1.43	.87	1.29	.52	1.33	1.30	15.34
April ...	2.75	1.00	1.84	.35	N.R.	.79	.27	.92	1.39	.53	
May ...	2.10	.99	1.61	1.28	N.R.	.97	1.82	2.52	.27	.62	
June ...	.85	1.50	2.96	1.81	2.48	1.38	2.36	4.09	1.15	2.52	21.10
July ...	2.43	.82	2.24	2.66	.15	2.23	2.18	2.09	1.45	3.01	19.26
August ...	2.77	2.53	1.56	2.97	3.55	2.82	2.72	3.12	.91	2.70	25.45
September ...	2.62	2.66	1.77	1.19	1.25	1.68	2.25	3.12	.01	3.10	19.65
October ...	.53	1.59	2.03	1.65	3.79	1.56	1.51	2.46	1.36	4.78	21.26
November ...	3.49	4.07	1.30	3.47	.68	.75	2.27	.95	1.96	2.52	21.46
December ...	1.66	2.28	.73	1.87	1.47	1.75	1.82	3.24	2.93	2.57	20.42
TOTALS ...	26.40	23.31	18.37	22.89	4.0	19.52	21.93	28.01	14.89	27.33	
	D	d	d	d	unc. in month	unc. in month	d np	np	np	d	

1956: 8" Gauge stolen March replaced by 5" in May but placed in special lock-up screen with rim of gauge 4' 9" above ground level.

1956: n.p. low. Sometime after 6.35 a.m. was placed on small grass plot surrounded by 8 mesh chain-link fence 4' 6" high.

1957: n.p. site unsatisfactory. Museum 35° 25' S. Ant School 35° 24' N. 30° 24' W. Tree 30° 24' E. Bottle not used. g. not in melt patch of cement. No suitable sites available.

Gauge overhauled

* Used in General Table, origin unknown 1958: n.p. unsatisfactory site. 1959: n.p. " " low

Position of Station on Ordnance One-Inch map:

No. of Map 150

National Grid Reference TM 62 161 449

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

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	20-22, 24-30	✓	✓ np. 43.44	
	✓ built - 16, 19	21-22, 26 & 20	✓ built 31, 40	✓ built 42, 48	