

# RAINFALL AT Great Clacton Clay Hall

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Essex

Rain Gauge, by \_\_\_\_\_

Observer Philip Smith Esq

Coln + c - 5.

Diameter ....									5		
Height .....									2 0		
Altitude ....									40		
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....									.72	1.95	
February ....									.93	1.36	
March .....									1.91	.81	
April .....									1.04	2.35	
May .....									2.08	1.41	
June .....									2.32	.71	
July .....									1.32	4.42	
August .....									1.43	.45	
September....									25	2.23	
October .....									1.51	1.93	
November....									2.47	2.87	
December ....									1.51	2.54	
TOTALS ....									17.49	23.03	

Gr Clacton Church 1/2 mile N.W.  
 Shrubs 6 ft high 80 ft S.W.

# RAINFALL AT *Great Flacton Clay Hall*

Lat. .... Lon. .... County of *Essex*

Rain Gauge, by .....

Observer *Philip Smith Esq*

*Cole + C-5.*

Diameter ..	5										
Height ....	2 0										
Altitude ..	40 <i>I'</i>										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.41	.21	.57	1.76	2.15	.55	2.62	1.19	.97	1.12	1.355
February ..	2.91	.60	.83	.66	1.43	.70	1.80	.78	1.27	1.08	1.206
March ....	.74	1.91	1.34	1.51	1.98	1.58	1.05	.85	1.38	2.45	1.479
April .....	.85	1.49	.57	1.46	.90	2.49	.65	1.65	2.15	1.74	1.395
May .....	.89	.58	2.54	2.75	1.52	.99	1.79	2.06	1.17	.99	1.528
June .....	2.17	.69	2.55	2.90	1.03	4.10	2.32	1.79	1.12	2.93	2.160
July .....	1.07	2.19	1.59	4.88	2.01	.25	.44	1.59	4.22	2.91	2.115
August ....	1.78	1.28	1.55	3.94	.95	2.17	.37	1.31	1.62	2.21	1.718
September..	1.06	.99	1.33	1.66	1.47	1.11	1.79	.43	1.05	2.25	1.314
October....	1.65	2.07	1.90	3.89	1.55	.97	2.48	2.63	1.19	3.39	2.172
November..	1.46	.92	2.04	2.89	1.29	2.40	3.65	1.62	.88	1.53	1.868
December ..	2.25	2.56	2.13	.91	1.81	.70	1.64	1.73	2.00	3.38	1.911
TOTALS ..	19.24	15.49	18.94	29.21	18.09	18.01	20.60	17.63	19.02	25.98	20.221

1900 *Gt Flacton Church 1/4 mile N.W.*  
*Flacton or Sea Station 1/4 mile S*

*Hals*

## RAINFALL at

Great Clacton Clay Hall

County of Essex

Observer

Philip Smithley

River Basin

Colne oc 5

Rain Gauge, by

Diameter ...			5									
Height .....			2 0									
Altitude ...			45									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...			1.92	2.37		2.81	.87	1.59	2.60	2.30	736	
February ...			1.06	.57		1.56	3.06	.67	.67	2.61	701	
March .....			2.16	1.73		1.11	3.45	1.60	.77	1.85	770	
April .....			.28	1.83		.90	1.17	1.41	1.45	3.01	704	
May .....			1.05	2.27		2.05	1.80	1.16	2.01	.88	555	
June .....			1.72	.76		.37	2.05	.83	1.12	1.03	503	
July .....			2.17	1.56		3.75	.96	1.63	3.86	2.06	851	
August .....			4.63	.57		1.77	2.29	3.64	1.25	2.36	954	
September ..			1.07	.84		2.01	.85	.92	3.34	.81	562	
October ...			2.89	3.05		.97	1.72	2.80	1.99	.77	698	
November ..			1.34	2.30		2.16	3.00	1.26	2.18	1.94	838	
December ...			1.82	.65		5.05	1.99	1.36	1.92	3.08	835	
TOTALS ...			22.11	18.50	N.R.	24.41	23.24	18.57	23.16	22.10	8707	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Clacton	1/2 m	S	St Clacton	1/2 m	Q.N.W



RAINFALL at St Clacton Clay HallCounty of SuffObserver Philip Smith Esq. died Sep 1928River Basin Colne & C 5

Miss. E. A. Smith. (Sept. 1928)

Rain Gauge, by \_\_\_\_\_

Diameter ...	5											
Height .....	2 0									1 0		
Altitude ...	45											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930	
January ...	1.59	1.74	2.90	1.29	1.92	.98	1.62	1.29	2.91	1.31	1.65	1920
February ...	.50	.87	1.50	2.11	.52	1.33	2.02	2.84	.81	.39	1.25	1464
March .....	.70	.83	1.30	1.07	.81	.83	.14	1.23	1.98	.11	1.64	1064
April .....	3.33	1.20	2.10	.79	1.95	1.85	2.75	2.07	1.33	1.68	1.46	2021
May .....	.98	.77	.40	1.07	3.18	2.43	.97	1.22	1.61	.99	2.41	1603
June .....	.97	.15	1.40	.79	1.44	.36	1.89	3.87	2.77	1.32	.95	1591
July .....	3.41	.38	2.40	.75	3.19	1.22	1.67	4.43	1.91	2.74	3.66	2576
August .....	1.15	.71	1.00	1.72	1.85	1.86	.68	3.14	2.19	1.48	2.89	1801
September...	2.93	1.45	3.20	1.44	2.01	2.36	.88	3.16	.75	.27	3.91	2236
October .....	.95	.50	1.40	4.28	4.09	2.34	2.50	1.38	1.95	2.53	.96	2288
November...	.74	1.47	1.50	2.24	2.36	1.80	3.07	2.48	2.13	3.84	4.07	2570
December...	2.56	1.03	1.40	2.27	2.29	1.92	.67	2.83	3.17	3.20	1.91	2355
TOTALS...	20.11	11.10	(20.50)	19.82	25.31	18.68	18.86	29.94	23.51	19.86	26.76	21445

EN 1310

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
			Clacton-on-sea	5 mi	S.	St. Clacton	5 mi	W.S.W.

RAINFALL at Great Clacton (Clay Hall)County of EssexObserver Miss F. H. SmithRiver Basin Colne &c - S.

Type of Gauge.....

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

" 20.4 in. computed by M. Cornish (1938) Ref. 561245/36

87861/31

Diameter	5.										
Height	1.0.										
Altitude	45.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.85	1.28	1.22	1.41	3.72	3.13	3.24	2.74	4.50	1.63	2.472
February	2.07	.55	.86	.23	2.41	2.66	3.52	.74	.73	1.52	1.529
March	.73	.90	1.23	2.31	.95	.51	2.44	.90	2.01	2.66	1.464
April	2.73	2.12	.94	2.85	2.35	1.56	2.21	.45	2.88	1.66	1.925
May	2.14	2.54	1.66	1.70	.98	.16	2.63	1.89	2.15	1.26	1.711
June	1.43	.12	2.22	.77	2.60	2.80	2.06	.76	1.95	.51	1.522
July	3.10	2.81	1.81	1.05	.44	2.92	3.34	1.25	1.74	3.20	2.166
August	3.20	1.39	.36	1.44	2.04	.88	.94	1.62	2.21	.14	1.422
September	1.18	1.77	3.33	1.95	3.39	2.16	2.94	1.95	.56	1.06	2.029
October	.69	5.69	1.38	1.71	1.92	1.12	1.52	1.90	9.08	2.22	2.723
November	1.41	1.16	1.82	1.71	3.02	3.16	1.58	1.84	4.46	6.06	2.622
December	.58	.44	.68	3.09	2.07	1.49	4.12	3.04	1.35	2.23	1.909
TOTALS	21.11 D	20.77 D	17.51 D	19.72 D	25.89 D	22.55 D	30.54 D	19.08 D	33.62 D	24.15 D	23.494 RM

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			Clacton on Sea	½ mile	SSW	Gt Clacton	½ mile	N

Station No. 1311

RAINFALL at Great Clacton (Clay Hall)

41

County of Essex Observer Miss E.A. SmithRiver Basin Colne &c. - 5

Type of Gauge.....

Annual Average 1 in. based on 1 years obs. un-weighted. Period of average..... Ref. 561245/36" " 20.4 computed by Mr Conish (1938) File No. 87861/31

Diameter	5"			227	666						
Height	1'0"										
Altitude	45'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.14	2.35	3.42	1.60	1.66	.93	2.22	2.38	1.00	1.55	1925
February	1.96	.59	.98	1.81	1.64	1.99	1.40	1.09	1.00	2.01	1447
March	2.21	2.06	.30	.25	1.24	1.24	4.37	.79	.78	.50	1374
April	1.10	.62	.74	1.79	.70	1.02	.85	1.58	1.15	1.17	1072
May	1.41	1.93	1.40	.33	1.76	1.36	.57	1.57	1.91	1.31	1355
June	.78	1.06	1.68	.89	1.34	1.84	1.96	1.55	.39	1.25	1274
July	1.64	1.78	3.61	2.21	1.95	1.87	1.09	1.23	.60	1.72	1770
August	4.04	1.43	1.04	2.05	2.38	3.41	.38	2.14	.88	1.44	1919
September	.30	1.85	2.44	2.55	1.40	1.72	1.37	1.48	2.02	2.83	1796
October	1.97	3.37	1.62	4.41	1.90	1.03	.20	.97	5.39	.31	2117
November	2.59	2.66	1.85	3.54	1.79	3.39	.94	1.26	1.90	3.47	2329
December	1.43	2.12	1.41	.82	2.05	2.77	2.87	1.79	1.30	1.48	1804
TOTALS	21.57 D	21.82 d	20.49 d	22.25 d	19.81 d	22.57 d	18.22 D	17.83 D	18.22 D	17.04 d	20182

20222

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.			Clacton-on-Sea	$\frac{1}{2}$ m.	S.S.W.	Gr. Clacton	$\frac{1}{2}$ m.	N

BRITISH RAINFALL ORGANIZATION



Station No. 1311

RAINFALL at Great Clacton (Clay Hall)

51

County of Essex

Observer Miss E.A. Smith

River Basin Colne &amp; B-5

Type of Gauge BA

Annual Average 21.76 in. based on 16 years obs. un-weighted. Period of average 1916-50 Ref. S.

20.4 " computed by Mr. Cornish (1938) ref. 561245/36 File No. 87861/31

Diameter ...	5"			227	666					5"	
Height ...	1' 0"									1' 0"	
Altitude ...	45'									30'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	1.54	1.77	.87	1.83	2.52	3.44	1.11	3.24	2.02	2.34	
February ...	3.91	1.14	1.08	1.87	1.62	.81	2.03	2.16	.10	1.51	
March ...	2.20	2.78	.35	2.24	1.85	.96	.90	.79	.95	2.13	
April ...	1.91	1.13	1.95	.24	.17	.82	.10	1.51	1.51	.56	
May ...	2.00	1.23	1.48	1.31	3.52	1.02	1.16	2.15	.31	1.37	
June ...	1.32	2.06	2.17	2.06	2.67	2.12	1.51	2.61	1.72	1.74	
July ...	1.84	.82	2.94	2.34	.16	2.93	3.21	2.26	.33	3.33	
August ...	4.07	2.28	1.18	3.74	1.83	3.62	1.38	3.52	.53	3.24	
September ...	3.54	4.60	1.40	1.06	1.21	1.32	2.66	3.70	.04	2.09	
October ...	.93	1.96	1.64	1.25	3.24	.76	1.33	2.20	2.00	6.06	
November ...	2.91	4.74	.91	2.99	.59	.62	1.53	1.05	2.64	3.46	
December ...	1.47	2.40	1.66	1.14	1.64	1.95	2.14	3.43	3.09	2.48	
TOTALS ...	27.64	27.11	17.63	22.07	21.02	20.37	19.06	29.22	15.24	30.31	
	D	D	D	D	D	D	D	D	D	D	

Rejected 21.360 by H.M. Meteor. Sec. 50'-80'ENE. Overgrown 50'-60'ESE. Secs 40'-80'SSE → 40'-70'SW  
 Rev. moving 20 yds NW - was done and gauge to be firmly fixed.

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference TM(62)188160

Date.	Lat. N.	Long.	Railway Station.	Distance	Direction	Parish Church.	Distance	Direction
1951			Clacton	1/2 mi	SSO	Gr. Clacton	1/2 mi	N.

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
	C 192 lat NR 14	✓ lat N R 22	✓	✓	
	-	- lat D 26 + 30	✓ lat d 30 + 38	✓ lat d 40 + 46	