

# RAINFALL AT Southend Broadway

Lat. ....

Lon. ....

County of Essex

Symon's

Rain Gauge, by Hughes & Son

Observer H. J. S. Ralph Esq

Crouch - 3.

Diameter ..						5					
Height ....						1 0					
Altitude ..						78				85 B	
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..						.80	3.01	1.22	1.08	.90	
February ..						.49	1.36	1.14	1.47	1.11	
March ....						2.06	.95	.75	1.73	2.88	
April .....						2.49	.61	2.23	2.53	1.48	
May .....						.76	1.79	2.11	1.48	1.16	
June .....						3.45	1.81	2.24	1.19	3.37	
July .....						.38	.75	1.16	3.33	3.27	
August ....						1.80	.36	1.50	2.27	2.84	
September ..						2.32	1.62	.75	1.32	2.29	
October ....						.95	3.75	2.51	1.49	4.60	
November ..						1.98	4.33	2.18	1.18	1.24	
December ..						.66	1.95	2.38	2.12	2.60	
TOTALS ..						18.14	22.29	20.17	21.19	27.74	

1905 S John Church land 1/4 mile S W

E & R + L T S Ry 1/4 " N W + W. S W

Building 20 ft high 18 ft W

1906 Sept gauge moved 1/8 mile W

all saint church 150 yards ENE

L T S R + G E R Station 100 " S W + N W

Building 20 ft high 50 ft W

1909 gauge moved 50 yards W

RAINFALL at Southend BroadwayCounty of EssexObserver H. J. G. RalphLancaster Gardens (Oct. 1919)River Basin Crouch 3Rain Gauge, by Smith  
Date of 1912

Diameter ...	6											
Height .....	10											
Altitude ...	858					78						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	1.40	1.02	3.52	2.02	.50	2.17	.95	.90	2.73	2.28		
February ...	2.34	.76	1.26	.53	1.17	1.74	3.17	.70	.72	2.57		
March .....	1.23	2.28	1.73	1.60	3.81	1.01	3.99	1.74	.79	2.13		
April .....	1.02	1.63	.05	1.98	.71	.86	.56	1.92	1.74	1.85		
May .....	3.37	1.05	.68	1.45	1.01	2.54	1.29	1.63	1.39	.72		
June .....	2.21	2.03	3.05	.40	.67	.70	1.63	1.64	.93	.91		
July .....	1.91	.56	1.39	2.05	1.54	2.98	1.21	2.85	4.62	1.76		
August .....	2.05	1.51	3.19	.16	.56	2.64	2.18	4.75	1.60	2.03		
September ..	.86	1.23	1.48	.75	.63	1.95	.86	.62	3.60	.56		
October ...	1.16	2.94	3.04	4.32	1.69	1.12	2.27	2.18	1.71	.72		
November ..	2.89	3.45	1.43	2.49	2.48	3.66	3.64	1.65	1.62	2.09		
December ...	3.08	3.04	1.31	.74	4.78	4.54	1.46	1.39	1.27	3.36		
TOTALS ...	23.52	21.50	22.13	18.49	19.55	25.91	23.21	21.97	22.72	20.98		

1917 Warden fence 4 ft high 12 ft 5

\* Lancaster Gardens site 600 yds. E.S.E. of old position

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			LTP & ERY	* 1/8 mile	S+N	all Saints	1/8 mile	EN E

RAINFALL at Lancaster on Sea, BroadwayCounty of EssexObserver H. G. Ralph EsqRiver Basin CrouchLancaster Rain Gauge, by  
(1928) M.O.

Diameter ...	5								8		
Height .....	1	0									
Altitude ...	78										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean 1930
January ...	1.92	1.59	2.78	1.17	2.39	1.28	1.95	1.59	2.40	.96	1.77
February ...	.43	.93	1.58	2.45	.41	1.91	3.03	3.42	1.01	.43	.82
March .....	.72	.86	1.08	1.65	.44	.96	.18	1.68	2.01	.07	1.25
April .....	2.31	1.18	2.45	1.33	2.37	1.17	5.00	1.73	1.75	1.18	1.39
May .....	.71	1.20	.83	1.80	3.18	1.83	.99	1.13	1.62	.85	2.51
June .....	1.07	.21	1.14	.66	1.38	.43	2.09	1.78	2.77	.95	.47
July .....	3.94	.14	2.31	.86	3.09	2.36	1.62	3.10	2.21	1.76	2.51
August .....	1.74	.58	1.71	1.65	1.96	3.37	.87	3.01	2.26	1.45	2.94
September...	3.97	1.25	2.76	1.20	1.51	2.17	.58	3.16	.37	.46	3.47
October .....	1.54	.47	1.88	4.32	3.41	2.81	2.80	1.15	2.92	1.43	.99
November...	.64	1.79	1.00	2.05	3.55	1.83	3.51	2.15	1.79	4.41	3.57
December...	2.42	1.09	1.75	1.79	2.24	2.59	.73	2.94	3.39	3.37	1.78
TOTALS...	21.41	11.29	21.27	20.93	25.83	22.71	23.35	26.84	24.50	17.32	23.47

1910. Earthen fence 4 ft. high 10 ft. across  
inspected Oct 18-VII-22. Site is about 500 yds E of old site in Broadway  
2. and at 0745. Good exposure in small garden. A few growing shrubs somewhat  
near to middle removed at end of summer. Mr. Ralph is a keen & intelligent observer

1919 Oct. g. moved 600 yds E.S.E.

1927 Nov " 50 " SE

Garden Fence 4'6" to 5'6" high 12'E 30'S 12'W 14'N

1930 House 20' high 30'S.

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

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	-	-	Lancaster on Sea	1/4 mi	E.	All Saints	1/2 mi	NW



RAINFALL at Southend (Kilworth Avenue) <sup>(South Church Boulevard) 1914</sup>County of EssexObserver H. J. G. Ralph, Esq.River Basin Crouch - 3Type of Gauge M.O.

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

" " 21.0 in. compiled by Mr. Cornish (1938) R. 561245/36

815939/28

Diameter	8.			8							
Height	1.0.			1.0							
Altitude	78.			66'							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.34	.92	1.38	1.31	1.26	3.58	3.76	2.18	3.43	1.76	
February	1.61	.48	.93	.28	2.12	1.56	3.56	.60	.91	1.21	
March	.39	1.19	1.28	1.84	.53	.72	2.61	.40	1.57	2.84	
April	3.07	2.04	.66	1.60	1.99	1.23	2.74	.24	1.91	1.28	
May	2.65	2.87	1.59	.63	1.01	.29	3.09	2.21	1.80	1.12	
June	1.07	.89	1.93	1.03	2.20	2.42	3.42	.47	1.21		
July	2.75	1.85	1.98	1.20	.56	2.29	1.62	1.28	.90		
August	3.20	1.09	.47	1.32	2.25	.86	.76	1.74	2.14	3.44	
September	1.39	1.40	2.70	1.33	2.54	1.73	1.63	1.35	.47		
October	.46	6.02	1.18	1.32	1.76	1.87	1.51	1.97	7.48		
November	1.86	.73	1.17	1.13	3.69	3.43	1.83	1.62	4.12		
December	.51	.25	.57	3.07	1.80	1.28	3.67	2.73	1.15		
TOTALS	20.30	19.73	15.84	16.01	21.71	21.26	30.20	16.79	27.09	imp A.P.	

1931 Garden 4' 6" high 12' E  
 Fences { 20' " 30' S  
 + 6' 6" " 12' W  
 walls { 4' 6" " 14' N

Inspected 28/3/34. Rather sheltered.

1935 House 30' high 30' S; Fence 4' 6" high 20' W;  
 Fence 4' 6" high 20' E; Fence 4' 6" high 15' N.

Notes to Southchurch Boulevard 22/8/34  
 new ht. 66 ft.

1940, August 22<sup>nd</sup> g. moved to Southchurch Boulevard Affix inside and

1940 Station 3 in ground

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			LMS + LNER	at 1/2 mi	W + NW	All Saints		
Aug 22 <sup>nd</sup> 1934			Southend East	1/2 mi	W + W	St. Erkenwald's	8 mi	NNW + SE
						Holy Trinity	60 yds	SW.

Station No. 1269

RAINFALL at Southend (Southchurch Bandstand.)

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County of Essex

Observer H. J. G. Ralph, Esq.

River Basin Crouch - 3

Type of Gauge No. 1

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

21.0 computed by Mr. Cornish (1933) Ref. 56245/36 File No. 815.939/28

Diameter				236	518	8						
Height						1' 0"						
Altitude						66'						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January						.96	2.10	2.40	.79	1.30		
February						2.00	1.19	1.29	.50	2.37		
March						1.30	4.11	.65	.73	.55		
April						1.76	1.20	1.35	1.20	1.44		
May						2.15	1.12	1.36	1.69	1.84		
June						(2.27)	2.07	1.39	.47	1.12		
July						(2.18)	1.62	.95	.31	2.00		
August						4.49	.09	2.97	.92	1.40		
September						2.02	1.35	.95	1.45	2.47		
October						1.03	.42	1.12	5.48	.27		
November						2.55	.84	1.84	1.72	3.73		
December						2.12	2.03	1.91	1.06	1.56		
TOTALS						(24.83)	18.14	18.18	16.32	20.55		

readings stopped in 1940 owing to war.

1946. June &amp; July part sold by ref to surr. stns.

1949 House 16' high 25' S. Fence: 4' 6" high, 24' W. Fence 4' 6" 16' E. Fence 4' 6" high 40' N. E. side.

01404

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.
1947			Southend East	1/2 mile	N. S. W.	St. Mary's Southchurch	60 yds	S. W.

BRITISH RAINFALL ORGANIZATION

RAINFALL at Southend (Southchurch Boulevard) (PRITTLEWELL Station No. 1269) N.E.E. 57

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County of Essex Observer H. J. G. Ralph Esq. (died Aug '57)River Basin Crouch - 3Type of Gauge Snowdon

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

" " 21.0 ins. computed by Mr. Cornish (1931) Ref. 561245/36 File No. 815939/28

Diameter ...	8"											
Height ...	1' 0"											
Altitude ...	66'					87'						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	1.48	1.43	.87	1.35	2.61	3.54						
February ...	4.58	1.02	1.18	1.83	1.48	.62						
March ...	2.20	3.04	.32	1.97	1.13	.63						
April ...	2.16	.74	1.52	.28	.20	1.32						
May ...	2.42	1.03	1.33	1.73	3.90	.60						
June ...	1.14	1.59	1.66	2.64	2.63	1.77						
July ...	2.57	.78	2.61	2.45	.38	3.17						
August ...	2.33	2.34	1.54	2.30	1.67	3.32						
September ...	3.57	4.15	1.85	.91	2.68	1.41						
October ...	1.04	1.46	1.87	1.42	4.45	1.30	Readings at Prittlewell site J.H.W. 2/73					
November ...	2.80	4.48	.96	2.87	.48	.49						
December ...	1.28	1.97	.63	.97	1.40	1.99						
TOTALS ...	27.57	24.03	16.34	21.22	23.01	30.16						
	D	D	D	D	D	D						

1951 House 15' 23.5; Fence 4 1/2'; 24' W - 16' E - 40' N.

1956. Gauge moved 4/10/56 - 1 mile N.W. Stn No. retained (Southend (Prittlewell))

Termination

N.B. Southchurch Boulevard was at NGR TG51902861  
 when moved on 4/10/56 either distance or "new" NGR is  
 wrong but no readings for new station after Dec/56 J.H.W. 2/73

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference TQ 873873

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Southend East	1/2 mi. S.W.	Holy Trinity Southchurch	60 yds S.W.
1957			Prittlewell	3/8 mi.	St. Lukes (Prittlewell)	3/8 mi. S

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		?	✓	✓	✓
				C 46 ✓	✓ - 46-47