

RAINFALL AT Southend Broadway

Lat.

Lon.

County of Essex

Symons
Couch - 3.

Rain Gauge, by H. G. Thorpe

Observer H. G. Ralph C. S.

Diameter ...						5					
Height						1 0					
Altitude ...						78					853
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January80	3.01	1.22	1.08	.90	
February49	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	
May76	1.79	2.11	1.48	1.16	
June						3.45	1.81	2.24	1.10	3.37	
July38	.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	
October95	3.75	2.51	1.49	4.60	
November						1.98	4.33	2.18	1.18	1.24	
December66	1.95	2.38	2.12	2.60	
TOTALS						18.14	22.29	20.17	21.19	27.74	

1905 S John Church land $\frac{1}{4}$ mile SWGER + LTSR $\frac{1}{4}$ N W + WSW

Building 20 ft high 18 ft W

1906 Sept gauge moved $\frac{1}{8}$ mile W
all Saint church 150 yards ENE

LTSR + GER stations 100 . S 15° W

Building 20 ft high 50 ft W

1909 gauge moved 50 yards W

RAINFALL at Southend Broadway
 County of Essex Lancaster Gardens (Oct 1919)

River Basin Crouch 3

Station Southend Rain Gauge, by
Met. Office

Diameter ...	6										
Height	10										
Altitude ...	850					75					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	M.EANS.
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	1.28	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	3.07	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	.96	.62	3.60	.86	
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	3.86	
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 - 3

* Lancaster Gardens site 600 yds. ESE. of old position

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			LTP & FER	1/6 mile	S+N	all Saints	1/6 mile	E+N=

Kilworth Ave (Nov 1927) 1269
Lancaster Gardens (Oct 1919) 20RAINFALL at Southend-on-Sea, BroadwayCounty of EssexObserver H. G. Ralph Esq.River Basin Crouch S.Snowdon Rain Gauge, by _____
(1928) N.W.O.

Diameter ...	5									8	
Height	1	0									
Altitude ...	58										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M. 1930
January ...	1.92	1.69	2.78	1.17	2.39	1.28	1.95	1.59	2.40	.96	1.77
February ...	4.3	.93	1.58	2.45	.41	1.91	3.03	3.42	1.01	.43	.82
March72	.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
May71	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...	.62	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

1920. Earth banks 4 ft. 6 in. 10 ft. C. W. S.

Inspected elevation 18. VII. 22. Site is about 500 yds E of old site in Broadway
S. end at 0745. Exposure in small garden. A few growing shrubs somewhat
near & were removed at end of summer. Mr. Ralph is a keen & intelligent observer

1919 Oct. 9 moved 600 yds. E.S.E.

1927 Nov " 50 - SE

Garden fence 4' 6" to 6' 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	Parish Church.	Distance from gauge	Direction
1920	-	-	Southend R.R.	1/2 mi	E.	All Saints	1/2 mi	NW.

RAINFALL at Southend (Kilworth Avenue)

(Southchurch Boulevard) 1934

County of Essex

Observer H. J. G. Ralph, Esq.

River Basin (Coast) - 3

Type of Gauge M.O.

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

Ref.

" 21.0 is computed by Mr. Cornish (1938) R.F. 561245/26

815939/28

Diameter	8.										Means
Height	1.0.				1.0						
Altitude	78.				66'						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	1.34	1.92	1.38	1.31	1.26	3.58	3.76	2.18	3.43	1.76	
February	1.61	1.48	1.93	1.28	2.12	1.56	3.56	.60	1.91	1.21	
March	1.39	1.19	1.28	1.84	1.53	1.72	2.61	1.40	1.57	2.84	
April	3.07	2.04	1.66	1.60	1.99	1.23	2.74	.24	1.91	1.28	
May	2.65	2.87	1.59	1.63	1.01	2.9	3.09	2.21	1.80	1.12	
June	1.07	1.89	1.93	1.03	2.20	2.42	3.42	.47	1.21		
July	2.75	1.85	1.98	1.20	1.56	2.29	1.62	1.28	.90		
August	3.20	1.09	1.47	1.32	2.25	.86	1.76	1.74	2.14	3.44	
September	1.39	1.40	2.70	1.33	2.54	1.73	1.63	1.35	1.47		
October	1.46	6.02	1.18	1.32	1.76	1.87	1.51	1.97	7.48		
November	1.86	1.73	1.17	1.13	3.69	3.43	1.83	1.62	4.12		
December	.51	2.25	1.57	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	in sq. ft.	
	D	D	D	D	D	D	D	D	D	ft. sq.	

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

1935 House 8' high 30' S; Fence 12' high 20' W;
 Fence 4' 6" high 20' E; Fence 12' high 16' N.

Inspected 28/3/34. Rather sheltered.

Road to Southchurch Boulevard 22/8/34
 near Lt. 66 ft.

1934 August 22nd g. moved to Southchurch Boulevard approx 1 mile east

House	20'	20'	20'	20'	20'	20'	20'	20'	20'	20'
Door	4 ft									
Window	3 ft									

1940 Station suspended

Position of Station on reduced Ordnance Survey Map, } No. of Map.....
 1 mile to 1 inch Series } Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1931			LMS + LNER Southend East	abt 1/2 mi	W+NW	All Saints St. Edmunds Holy Trinity	8m approx NNW+SE
Aug 22 nd 1934				1/2 mi	NWW	Suffolk Church	60 pds SW

Station No. 1269

RAINFALL at Southend (Southchurch Boulevard)

41

County of Essex

Observer H. J. G. Ralph, Esq.

River Basin Crouch - 3

Type of Gauge H.O.

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

Ref.

21.0 computed by Mr Cornish (1928) Ref. 561245/26 File No. 815 939/22

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	.66	.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	2.97
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 + July part sold by ref to sun. stat.

1949 House 15' high 23° S. Fence 4' 6" high, 24' W. Fence 4' 6" high 16° E. Fence 4' 6" high 40° N. high.

01404

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	Parish Church.	Distance from gauge
1947			Southend East	1/2 mile	W.S.W.	Holy Trinity Southchurch	60 yds S.W.

RAINFALL at Southend (Southchurch Boulevard) (PRITTLEWELL Station No. 1269 N.E.E. 57)
 County of Essex Observer H. J. G. Ralph Esq. (died Aug '57)
 River Basin Crouch - 3
 Type of Gauge Standard

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

" 21.0 ins. computed by Mr. Cornish (1951) Ref. 561245/36 File No. 815939/28

Diameter	8"	236	518								
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	6.2					
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	2.80	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					
November	2.80	4.48	.96	2.87	48	4.49					
December	1.28	1.97	.63	.97	1.40	1.99					
TOTALS	27.57	24.03	16.34	21.22	23.01	20.16					
	D	D	D	D	D	D					

1951 House 15', 23' S; Fence 4 1/2', 24' W - 16' E - 40' N.

1956 Gauge moved 4 1/2 miles - 1 mile N.W. Site No. retained [Southend (Prittlewell)]

Termination

N.B. Southchurch Boulevard was at NGR TG51902861
 When I moved on 4/10/56 either distance or new NGR is
 wrong but no readings for new station after Dec/56 Val 2/73.
 New NGR

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Southend East	1/2 mi.	WSW	Holy Trinity Southchurch	600yds SW
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