

RAINFALL AT Liverpool Smithdown Road
Lat. _____ Lon. _____ County of Lancashire

Rain Gauge, by _____ Observer The City Engineer
Mersey - Lower 2 J. A. Biddle Esq. C.E.

Diameter								5			
Height								2 0 0 9			
Altitude								135 ft			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								1.06	1.66	3.22	
February								2.17	1.73	1.11	
March								1.69	.54	1.39	
April								2.19	1.42	2.44	
May								1.45	4.03	1.99	
June								4.56	2.41	2.14	
July .....								.69	.69	2.38	
August								4.03	4.50	1.60	
September....								4.86	1.14	3.70	
October								1.54	3.69	3.10	
November								4.25	1.44	.89	
December								2.85	1.76	2.81	
TOTALS								31.34	25.01	26.77	

Trinity Church 690 yards N
Wall 1 ft high 80 ft E

RAINFALL AT

Liverpool Smithdown Road

Lat.

Lon.

County of

Lancashire

Lith

Square Rain Gauge, by

Observer

J. A. Bradie Esq C.E.

Mersey - 2

Diameter ..	5	□ 10									
Height	9										
Altitude ..	135	✓									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.93	2.03	1.71	2.36	2.44	1.38	4.78	1.16	1.79	1.82	2.340
February ..	2.77	1.53	1.61	2.03	4.36	1.42	2.50	1.81	2.35	.80	2.118
March	1.25	1.48	1.91	3.34	1.78	3.26	2.31	2.07	2.89	2.81	2.310
April	1.40	1.80	2.26	2.06	1.30	2.29	1.39	1.32	3.52	2.52	1.986
May	1.70	.86	4.21	3.48	2.65	.50	2.41	2.82	2.78	1.29	2.270
June	2.57	1.72	1.89	1.82	1.82	1.91	1.30	5.68	1.92	2.77	2.340
July	1.38	1.81	2.04	3.18	1.61	2.37	1.02	2.36	3.82	3.65	2.324
August	5.82	3.32	2.32	3.73	4.84	3.26	2.72	2.77	3.37	3.15	3.530
September ..	.45	1.10	1.18	4.96	2.37	2.04	1.83	.81	3.36	2.91	2.101
October	3.88	3.34	3.36	7.79	1.75	2.83	5.34	3.60	2.32	4.25	3.846
November ..	3.09	2.72	2.19	3.32	2.41	3.86	2.11	2.82	2.40	1.28	2.620
December ..	2.80	3.71	2.86	1.55	3.07	.47	4.14	2.28	1.93	7.40	3.021
TOTALS ..	31.04	25.42	27.54	39.62	30.40	25.59	31.85	29.50	32.45	34.65	30.806 933

1901 Holy Trinity Church 400 yards N.E.

Wall 9 ft high 120 ft E

1903 Chilton Park Station L. + N.W. by

RAINFALL at Liverpool Smithdown RoadCounty of South LancashireObserver J. A. Brodie Esq. C.E.River Basin Lower Mersey 2H. Owens Esq. C.E.Square Rain Gauge, by Liverpool Corporation

Diameter ...	10 □										
Height	0 9										
Altitude ...	135 K										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919 MEANS 1910-1919
January ...	3.02	.69	4.84	3.49	1.40	3.51	1.75	2.04	1.78	3.28	8.85
February ...	2.72	2.38	1.18	1.07	1.45	2.37	3.57	1.62	2.68	1.45	9.32
March .....	.67	1.29	4.99	2.72	3.17	1.95	1.96	3.43	1.28	6.18	12.85
April	3.39	2.44	.18	3.57	.91	1.58	2.07	2.07	1.23	1.59	6.96
May	2.30	.63	2.56	3.18	2.48	1.69	3.09	3.22	2.91	.96	10.18
June	3.46	3.09	2.96	2.11	1.83	.93	2.52	1.91	2.03	1.65	8.11
July	5.00	.76	3.13	2.48	4.63	3.45	1.25	1.96	5.41	1.55	10.17
August	4.64	2.97	6.99	1.70	2.34	4.94	2.76	7.56	2.18	4.77	17.27
September ..	.58	4.55	1.42	1.98	3.16	.74	3.00	1.25	7.32	2.38	13.95
October ...	2.67	3.18	3.08	2.53	2.13	2.23	4.33	6.69	2.60	2.97	16.59
November ..	5.36	2.67	2.84	2.95	3.57	2.49	2.74	3.51	2.42	2.16	10.83
December ...	3.73	4.05	2.54	2.52	4.79	5.69	2.51	1.88	7.04	5.88	17.31
TOTALS ...	37.54	28.70	36.71	30.30	31.86	31.57	31.55	37.14	38.88	34.82	142.39

1912 Sale 9 ft high 40 ft E

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.23.24	2.55.2 W	Sutton Park L.M.S.			Holy Trinity	400 yds	E

RAINFALL at Liverpool Smithdown RoadCounty of LancashireObserver J. A. Duggie Esq. C.E.River Basin Lower Mersey 2J. P. Frank C.E.
City Eng. LiverpoolSquare Rain Gauge, by Liverpool Corporation
1930 M.O.T. Molyneux

Diameter ...	10 x 10											5'
Height	0.9											1' 0"
Altitude ...	135								134.3		135'	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 MEANS.
January ...	3.57	4.03	4.07	2.19	2.79	1.68	2.70	3.90	5.85	2.33	4.60	37.71
February ...	2.94	2.23	2.81	4.13	1.86	5.44	3.29	1.58	2.98	1.17	2.83	25.66
March	3.69	1.85	1.81	1.44	1.10	1.89	1.33	2.89	1.68	1.49	3.38	20.55
April	4.30	1.43	2.33	2.83	2.00	2.12	1.95	1.94	1.00	1.05	2.54	22.51
May	3.63	2.70	1.43	3.64	5.83	2.85	3.45	1.21	1.28	1.88	1.09	28.99
June	2.85	2.27	2.27	1.66	2.53	1.09	1.53	4.75	5.72	1.39	1.32	23.40
July	5.83	1.28	4.95	3.53	4.27	3.03	4.10	2.89	2.14	2.63	5.04	39.68
August	2.13	4.77	3.59	3.87	6.73	3.81	3.35	5.57	3.56	3.82	5.65	46.77
September...	2.61	1.36	3.76	3.87	4.19	4.24	3.77	6.73	1.63	2.28	2.81	37.25
October	1.33	2.79	3.6	4.44	3.76	4.88	4.13	3.24	4.03	4.92	4.57	38.45
November...	1.78	2.15	2.03	3.99	2.09	2.71	4.74	4.95	5.12	5.73	4.93	39.22
December...	2.61	3.93	4.86	5.04	3.53	2.79	1.23	1.65	2.50	5.64	4.28	38.11
TOTALS...	36.27	26.79	34.27	39.67	39.70	34.53	34.62	41.30	37.49	33.33	40.34	398.31

1920 well 9 ft high 40 ft E.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 23' 24"	2° 53' 12"	Sefton Park	370 yds	E.	Holy Trinity	400 yds	E.

RAINFALL at Liverpool (Smithdown Rd)County of South LancashireObserver Liverpool Corpn.River Basin Mersey-Liver-2Type of Gauge NO.Annual Average 31.7 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref S

81511/28.

Diameter	5.										
Height	1.0.										
Altitude	135.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Mean Totals
January	3.47	3.22	1.51	2.05	1.84	4.57	1.97	3.16	4.73	2.06	28.58
February	3.06	.07	3.15	.27	2.87	2.32	4.87	.74	2.57	2.17	22.09
March	.28	2.16	1.95	1.84	1.07	1.80	1.12	1.00	1.73	2.49	15.49
April	2.99	3.51	.88	1.88	2.71	1.20	3.22	.28	2.15	1.86	20.68
May	2.44	5.18	1.50	2.08	1.64	.91	2.51	2.87	1.31	2.08	22.52
June	4.70	.80	1.83	1.43	4.02	3.10	1.42	2.72	3.13	.85	23.56
July	2.34	4.62	2.46	.82	2.12	3.19	1.86	3.13	5.19	2.83	28.56
August	7.13	1.12	2.07	3.71	1.76	1.86	2.19	5.11	1.47	1.03	27.45
September	4.07	3.37	.80	2.16	5.54	3.14	2.11	1.72	.84	3.01	26.76
October	1.73	6.49	3.62	5.56	4.53	1.98	2.43	4.61	2.26	3.89	37.10
November	4.61	3.10	1.47	2.13	3.85	3.23	1.66	3.42	4.55	5.64	33.66
December	1.71	1.50	.72	4.61	3.86	3.52	2.63	3.63	2.62	2.34	27.14
TOTALS	38.59	34.64	21.96	28.59	35.81	30.82	27.99	32.39	32.55	30.25	313.59
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

Wall 9' high N.E.

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			Sutton Park	570 yds	E.	St Barnabas	400 yds.	E.

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

Station No. 2814RAINFALL at Liverpool (Smithdown Rd.)

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County of South Lancashire Observer Liverpool Corp.River Basin Mersey - Lower - 2Type of Gauge M.O.

(Clt. Expts. & Surveys)

Annual Average 31.7 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. 815/11/28

Diameter	5"			567	458						
Height	1' 0"				1						
Altitude	135'				41			134.5'			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	2.20	3.23	3.83	4.35	1.97	3.72	2.27	6.69	2.86	1.19	32.31
February	3.39	1.39	1.95	1.32	2.91	4.60	.77	1.86	1.33	4.53	24.05
March	3.09	2.77	.93	.94	.97	1.02	4.53	.83	2.40	1.08	18.56
April	1.58	1.56	1.46	1.92	1.69	.99	2.57	1.34	2.63	3.07	18.81
May	1.86	3.55	2.35	1.68	4.10	1.62	3.58	1.36	2.87	.98	23.95
June	.58	.26	2.16	2.62	3.03	2.90	2.44	3.98	.65	2.08	20.70
July	2.89	3.23	4.22	2.45	2.59	3.80	3.13	3.68	3.58	2.41	31.98
August	4.42	3.64	3.24	3.52	2.88	5.44	.46	3.32	2.04	6.05	35.31
September	.84	2.05	4.42	5.61	2.05	3.91	2.65	1.69	1.38	5.54	30.14
October	3.64	3.10	4.09	4.40	4.32	.76	1.10	2.12	3.53	2.27	29.23
November	2.48	.73	2.97	5.69	.43	5.14	3.59	1.92	4.89	5.29	33.13
December	1.14	3.42	1.58	2.91	2.75	3.32	2.75	2.85	4.70	3.43	28.85
TOTALS	38.31 D	28.93 D	33.20 D	37.41 D	29.69 D	37.22 D	29.84 D	31.64 D	32.86 D	37.92 D	327.02 D

1941 Wall 9' high 40' E.

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.
1941			Sutton Park L.M.S.	370 y.	E.	St. Barnabas.	400 y.	E

BRITISH RAINFALL ORGANIZATION

Station No. 2814

RAINFALL at Liverpool (Smithdown Rd)

51

County of Lancashire

Observer

Liverpool Corp.
(City Engineer & Surveyor)

River Basin Mersey Lower - 2

Type of Gauge H.P. B.A.

Annual Average 31.7 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. 5

" " 33.98 " " 39 " " within 1916-57. " " 1916-50

File No. 81511/28

Diameter ...	5"			567	458							
Height ...	1' 0"				1				7"			
Altitude ...	135'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	1881-1915
January ...	2.28	3.62	1.39	3.14	2.44	4.20	1.55	2.79	3.33	5.53	29.97	
February ...	2.51	1.04	1.34	2.79	2.24	4.43	2.24	5.37	2.4	1.94	20.14	
March ...	4.88	2.15	1.07	2.12	1.84	1.57	2.31	1.52	1.46	1.66	20.58	
April ...	1.43	2.00	2.24	.83	1.78	3.13	.51	.85	3.33	1.39	17.49	
May ...	3.06	1.96	2.13	2.84	3.00	1.04	1.52	2.81	1.60	2.45	22.41	
June ...	1.29	2.14	1.49	3.78	3.52	2.42	1.76	4.44	2.29	1.06	24.19	
July ...	1.44	1.60	3.46	4.14	.66	5.08	4.45	4.28	4.41	4.25	33.77	
August ...	5.11	2.31	3.55	5.33	1.88	9.22	3.88	3.55	1.26	4.26	40.35	
September ...	2.97	3.83	3.39	3.37	2.34	2.36	6.96	4.94	.23	4.22	34.61	
October ...	.99	4.42	1.52	6.56	2.30	3.44	3.19	3.21	3.34	4.30	32.97	
November ...	7.60	3.12	2.89	5.75	1.53	1.76	1.50	2.17	4.71	6.06	37.09	
December ...	4.96	3.81	1.47	4.11	3.71	2.38	3.34	5.06	5.25	3.34	37.43	
TOTALS ...	38.52	32.00	25.94	44.76	26.94	36.73	33.21	40.99	31.45	40.46	351.00	
	D	D	D	D	D	D	D	D	D	D	D	

1951 Wall 9' at 40° E.

High II 1959 J. B.O.K. g. in flow condition with distorted rim. Overhaul by cleaning stick with
 100 mesh and 35° S.W. stick to be demolished otherwise expense satisfactory but
 gauge surrounded by concrete. Unidentified measures

1959 AP gauge broken

1960 AP Dig.

Position of Station on Ordnance One-Inch map :

No. of Map 101

National Grid Reference

33391867

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Sefton Park	370	E.	St Barnabas	400	E.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	✓
		225-30	✓	✓	