

## RAINFALL AT

Liverpool Breeze Lane

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

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

County of

Lancashire

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

Observer

Philby Engineer

Mersey - Lower 2

J. Brodie Esq. C.E.

Diameter . . .								5			
Height . . . .								9			
Altitude . . .								135 ft			
Year . . . . .	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . .								1.23	1.96	3.50	
February . . .								2.43	1.71	1.40	
March . . . .								2.41	.79	1.75	
April . . . . .								2.25	1.71	2.70	
May . . . . .								1.40	4.28	2.72	
June . . . . .								4.63	2.26	2.72	
July . . . . .								1.02	.51	2.19	
August . . . .								5.73	4.30	1.54	
September . .								4.67	1.15	3.76	
October . . . .								1.45	3.97	2.98	
November . . .								4.55	2.54	1.40	
December . . .								2.98	2.01	3.12	
TOTALS . . . .								34.75	27.19	29.78	

1897 St Marys Church 360 ft S.W.  
House 40 ft high 47 SE

RAINFALL AT Liverpool Breeze Lona

Lat. ....

Lon. ....

County of Lancashire South

Circle

Rain Gauge, by

Observer

J. A. Brodie Esq. R.E.Marsy 2

Diameter ..	5										
Height ....	0 9										
Altitude ..	135 <del>A</del>										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.66	1.96	2.15	2.61	2.65	1.31	5.21	1.08	2.06	2.15	2.584
February ..	3.21	1.52	1.81	2.32	4.41	1.40	2.74	1.59	2.65	1.02	2.267
March ....	1.11	1.62	2.42	3.58	2.07	3.45	2.36	2.25	3.16	2.95	2.497
April .....	1.30	1.64	2.04	2.01	1.41	2.46	1.02	1.24	2.96	2.99	1.907
May .....	1.53	1.03	3.80	3.16	2.16	0.41	2.80	3.10	3.02	1.49	2.250
June .....	3.10	1.82	1.95	2.24	1.81	1.64	1.58	6.29	2.38	2.87	2.518
July .....	1.06	1.72	2.29	2.42	1.40	2.19	0.96	2.49	4.40	4.75	2.368
August ....	6.93	2.68	2.85	4.46	5.06	3.57	3.21	3.49	3.70	2.85	3.880
September ..	0.79	1.01	1.20	5.41	2.69	1.90	1.79	0.89	3.63	3.19	2.250
October ....	3.70	3.99	3.50	8.94	1.97	3.41	5.99	4.28	2.70	4.47	4.295
November ..	3.57	3.29	2.51	3.26	2.15	4.39	2.22	2.89	2.90	1.39	2.857
December ..	2.98	3.98	2.86	1.82	3.40	0.43	3.56	3.02	2.22	6.56	3.083
TOTALS ..	33.94	26.26	29.38	42.23	30.68	26.56	33.44	32.61	35.78	36.68	32.756

1901 April Gauge moved 30 ft N.E.

St Marys Church Walton 500 ft SE

Wall 8' 6" high 27 ft E

1903 Walton on the Hill Station Cheshire Lancs Ry

Hub

RAINFALL at Liverpool Breeze LaneCounty of South LancashireObserver J. A. Brodie Esq. cl.River Basin Lower Mersey 2H. Owen Esq. cl.

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

Diameter ...	5											
Height .....	0.9											
Altitude ...	135 K											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	3.02	0.82	4.74	4.31	1.46	3.95	2.07	1.92	2.26	3.34		16.19 9.59
February ...	3.06	2.59	1.54	0.75	1.76	2.78	3.43	1.60	2.89	1.40		9.32
March .....	0.85	1.51	5.12	3.23	3.52	1.49	1.75	3.10	1.31	6.22		12.38
April .....	3.15	2.46	0.22	3.56	0.8	1.71	2.23	1.82	1.28	1.60		6.93
May .....	2.64	1.49	2.28	3.18	2.29	1.55	2.78	3.24	3.09	1.15		10.26
June .....	3.93	2.87	3.71	2.39	1.52	1.28	2.49	1.94	2.03	1.79		8.25
July .....	4.91	0.36	4.36	2.57	4.63	4.25	1.54	1.75	5.03	1.72		10.04
August .....	5.13	3.79	6.27	1.79	2.06	6.26	3.08	7.65	2.29	4.17		17.19
September ..	0.66	4.94	1.28	2.18	3.44	0.82	2.76	1.53	8.60	2.58		15.67
October ...	3.31	3.26	3.69	2.71	2.50	2.35	5.18	7.38	2.78	2.94		18.28
November ..	5.41	2.81	2.67	3.59	3.48	2.33	3.13	3.70	2.23	1.95		11.01
December ...	3.88	4.65	2.61	2.43	6.09	6.19	2.21	1.92	7.20	6.07		17.40
TOTALS ...	39.95	31.55	38.49	32.69	33.61	34.96	32.65	37.55	40.99	34.93		146.12 22.6

1912 Jan wall 8'6" high 27 ft E

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.26.54	2.58.4 W	Wallerside Hill Church			St Mary's	500 ft	S



RAINFALL at Liverpool Bridge LaneCounty of S. LancashireObserver J. D. Prodie Esq. C.E.River Basin Lower Mersey 2

J.P. Frank C.E.

(1925) M.O. Rain Gauge, by

City Esq. Liverpool

Diameter ...	5"											5" 5"
Height .....	0 9											11'0 0"
Altitude ...	135											11'29'10"
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.	
January ...	3.94	4.25	4.10	2.14	2.52	1.79	3.25	3.85	6.58	2.40	5.10	39.92
February ...	2.93	0.27	3.45	4.18	0.77	5.28	3.27	1.75	2.98	0.94	.20	26.02
March .....	4.70	2.13	1.56	1.60	1.18	1.09	1.18	3.45	1.73	0.96	2.96	22.54
April .....	4.95	1.44	2.10	3.18	2.18	2.19	1.10	1.69	0.99	0.91	2.55	23.28
May .....	3.69	2.26	1.53	3.55	6.92	3.29	4.33	1.53	1.36	1.87	.81	31.14
June .....	3.32	0.26	2.88	0.56	2.55	0.04	1.83	4.48	5.26	1.41	2.02	24.61
July .....	6.55	1.03	4.39	3.46	4.12	3.10	4.08	3.57	1.56	2.62	4.63	39.11
August .....	2.27	5.76	4.24	3.24	5.74	3.63	3.68	6.39	3.49	3.86	6.32	47.62
September...	3.57	1.68	3.48	3.85	4.51	4.49	4.95	5.70	1.39	1.93	2.41	37.96
October .....	1.53	3.29	0.39	4.50	3.97	4.62	3.85	3.06	3.91	4.51	5.57	38.70
November...	1.02	2.47	2.14	3.82	1.54	2.75	5.50	5.35	5.09	5.21	4.74	37.63
December...	2.67	4.63	4.48	5.32	3.63	2.77	1.23	1.68	2.51	4.92	4.85	38.19
TOTALS...	41.14	29.47	34.74	39.40	39.63	35.04	37.75	42.50	36.85	31.54	40.66	608.72

1920 Yard Wall 8' 6" high 27 ft E.

1929 At Bridge Lane until 25<sup>th</sup> June 1929. Gauge moved to top of Dept Queens Drive  
 on above date. 400 yards E. Centre of  
 Wood Fence 3' 0" ~~10' 0"~~ rectangular space 22' x 22' with wood fence 3' high all round  
 One storey building 15' 0" high 50' 0" E.W.

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	Parish Church.	Distance from gauge	Direction
1920	53° 26' 54"	2° 58' 4"	Wallon-on-the-Hill	450 ft.	N.E.	St Mary's	500 ft	S
After 25/6/29			(L.M.S.R.)	550'	W		1000 ft.	S.W.

RAINFALL at Liverpool (Queens Drive)County of South LancashireObserver Liverpool Corpn.River Basin Mersey-LancasterType of Gauge M.O.Annual Average 25.3 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref 5

81511/28.

Diameter	5.											
Height	1.0.											
Altitude	119											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	2144	3.06	2.06	2.31	1.85	4.26	2.23	3.17	4.83	1.79		29.06
February	282	0.10	3.07	0.24	3.08	2.54	4.92	0.95	2.69	2.14		22.55
March	0.89	2.29	2.11	1.52	.96	1.78	1.58	1.25	1.46	2.77		16.11
April	270	3.30	1.30	2.09	2.86	1.10	3.27	0.21	2.07	1.64		20.64
May	263	4.28	1.50	2.25	1.99	.90	2.47	3.22	1.40	2.57		23.21
June	448	0.52	2.46	1.68	3.00	4.04	1.58	3.28	3.04	.93		25.01
July	2.88	4.58	1.70	1.59	3.13	3.97	1.98	2.90	6.22	4.52		32.97
August	632	1.15	1.78	3.11	2.72	1.63	2.71	5.39	1.05	1.16		27.92
September	276	3.83	.92	2.91	5.87	3.66	2.54	2.16	0.89	3.11		29.75
October	227	6.48	3.82	6.03	4.79	2.23	2.62	6.14	2.34	4.21		40.93
November	5.47	2.81	1.66	2.03	4.22	3.75	1.88	3.92	5.20	5.66		36.60
December	1.85	1.58	.85	4.86	3.62	3.70	2.09	4.26	2.63	2.64		28.08
TOTALS	38.51	33.98	23.23	30.62	38.09	33.56	29.87	36.95	34.88	33.14		332.93
	D	D	D.	D.	D.	D	D	D	D	D		4264

Fenced rectangle 3' high 6' away.

Observatory building 15' high on S.W. rectangular space 12' 0" x 12' 0"

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			Watton-on-the-Hill	350 ft	W	St. Mary's	1000 ft	S.W.

Station No. 2818

RAINFALL at Liverpool (Queens Drive)

41

County of South Lancashire Observer Liverpool Corps.

River Basin Mersey - Lower - 2

Type of Gauge M. O.

Annual Average 33.3 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 815.1/22

Diameter	5"			567	623						
Height	1'0"				1						
Altitude	119'				41			119.2'			
Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	Means
January	2.12	3.75	4.15	4.39	2.04	4.22	2.51	6.71	2.63	1.26	Totals 33.78
February	3.22	1.53	2.23	1.25	2.93	4.54	1.21	1.85	1.08	4.64	24.48
March	3.07	2.94	0.73	0.32	0.97	.89	5.02	0.87	2.39	1.22	19.02
April	1.94	1.64	1.65	3.12	1.85	1.01	2.84	1.21	2.45	2.83	20.54
May	1.84	3.45	2.35	1.88	4.62	2.14	3.94	2.06	3.09	0.93	26.33
June	0.53	.31	2.50	3.04	3.27	3.29	2.39	3.58	0.69	2.16	21.76
July	2.14	3.78	5.56	2.40	2.25	3.72	3.09	3.10	1.99	2.61	30.64
August	4.44	4.54	3.82	3.20	2.11	5.15	0.43	3.39	2.46	8.04	37.58
September	1.10	2.37	3.56	5.46	1.55	4.38	2.72	2.00	1.03	5.33	29.50
October	3.81	4.14	4.28	4.65	4.36	.77	0.89	2.36	4.04	2.64	31.94
November	2.83	.90	2.39	6.38	0.32	4.80	3.30	1.91	5.21	5.95	33.89
December	1.22	3.63	1.86	2.71	2.77	3.07	2.96	2.93	5.12	3.85	30.12
TOTALS	28.29	32.98	35.08	33.40	29.04	37.98	31.30	31.87	32.18	41.46	339.59
	D	D	D	D	D	D	D	D	D	D	48.04

1941 Wood Fence 3' high 6' incl. rect. space One Storey Building 15' high 50' S.W. 12' by 10'

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.
1911			Walton-on-the-Hill (L.M.S.)	283 y.	W.	St. Marys (Walton)	333 y.	S.W.

BRITISH RAINFALL ORGANIZATION



Station No. 2818RAINFALL at Liverpool (Queen's Drive)

51

County of L. Lancashire Observer Liverpool Corpn.River Basin Messy - Lower - 2Type of Gauge M.D. B.A.Annual Average 33.3 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. S  
35.06 " " 35 " " 1916-1950 1916-1950 8.15/11/28 PFile No. 8.15/11/28

Diameter ...	5"			567	623				5"		
Height ...	1' 0"				1				8"		
Altitude ...	119'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	2.52	3.76	1.59	3.14	2.50	4.25	1.88	2.69	3.34	5.29	30.96
February ...	2.98	0.98	1.44	3.30	2.70	0.41	2.17	5.41	0.36	1.62	21.37
March ...	5.17	2.32	1.27	2.49	1.90	1.45	2.25	1.63	1.81	1.87	22.16
April ...	1.33	2.67	2.65	0.77	2.00	3.02	0.45	0.87	3.29	1.44	18.49
May ...	3.32	2.43	2.51	2.94	3.70	1.14	1.66	3.15	1.95	2.67	25.47
June ...	1.21	2.41	1.65	3.49	3.71	2.23	1.87	4.73	3.23	1.26	25.79
July ...	1.87	1.51	3.39	4.31	1.08	4.68	4.54	4.00	3.82	3.98	33.18
August ...	5.11	2.79	4.09	4.35	1.41	9.12	4.30	3.50	1.22	4.95	40.84
September ...	3.15	3.85	4.29	3.27	2.47	2.65	6.16	4.56	0.31	3.51	34.22
October ...	8.94	5.24	1.98	6.20	2.45	2.50	3.29	3.53	3.36	3.98	33.47
November ...	8.22	3.23	3.84	6.59	1.71	1.56	1.50	1.92	5.32	6.79	40.68
December ...	5.64	3.84	1.75	3.60	4.04	2.52	3.15	3.83	6.03	3.21	37.61
TOTALS ...	41.46	35.03	30.45	44.45	29.67	35.53	33.22	39.82	34.04	40.57	364.24
	D	D	D	D	D	D	D	D	D	D	

(1951) Wood fence 3' at 6' all round Building 15' high at 50' S.W.

Inspected 1951 J.B.O.K. 4" chain link fencing with iron posts 6' high and 12' x 12' all round  
otherwise exposure satisfactory. E.g. surrounded by concretePosition of Station on Ordnance One-Inch map : No. of Map 101 National Grid Reference 22/36/1950

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Wallis on the Hill	285'	W.	St. Marys Wallis	335'	S.W.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	✓
	—	D25	✓ but - 38	✓	