

RAINFALL AT Liverpool St John's Gardens
 Lat. _____ Lon. _____ County of Lancashire

Simpson's Rain Gauge, by Mersey Lower 2	Observer H. P. Boulnois Esq. Ch. J. A. Brodie Esq. Ch.
Diameter	5
Height	0.9
Altitude	47 ft
Year	1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 MEANS.
January	3.08 1.04 1.18 1.52 3.19
February26 1.25 2.21 1.63 1.34
March	2.52 3.01 1.94 .62 1.40
April	1.85 1.05 2.16 1.58 2.14
May51 .51 1.20 3.65 2.48
June	1.08 2.76 3.07 2.14 2.41
July	4.20 1.95 .64 .44 2.21
August	1.90 2.54 3.46 3.56 1.22
September	1.28 4.04 4.46 1.09 3.26
October	5.17 3.22 1.50 3.75 3.12
November	2.63 1.30 3.54 1.32 1.36
December	2.50 3.21 2.87 1.79 2.98
TOTALS	26.98 25.88 28.23 23.09 27.11

Church Tower 130 ft high 200 ft S E

RAINFALL AT

Liverpool St John's Gardens

Lat.

Lon.

County of

Lancashire

Recording

Rain Gauge, by

Observer

H. P. Bowles Esq. C.R.

Mersey - Lower 2

J. A. Brodie Esq. C.R.

Diameter							9			
Height							2 8			
Altitude							48 ↗			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899 MEANS.
January										
	2.43	1.02	1.10	1.52	3.05					
February										
	.26	1.25	2.06	1.63	1.28					
March										
	2.40	3.01	1.93	.62	1.46					
April										
	1.80	1.04	2.14	1.58	2.10					
May										
	.49	.51	1.19	3.61	2.48					
June										
	1.08	2.76	2.97	2.14	2.40					
July										
	4.16	1.95	.64	.44	2.23					
August										
	1.87	2.54	3.46	3.48	1.22					
September										
	1.29	4.04	4.41	1.09	3.28					
October										
	4.98	3.22	1.50	3.61	3.08					
November										
	2.63	1.30	3.90	1.32	1.35					
December										
	2.49	3.21	2.87	1.75	2.98					
TOTALS										
	25.88	25.85	28.17	22.79	26.91					

Church Tower 130 ft high 200 ft SE

RAINFALL AT Liverpool St. John's Gardens
 Lat. Lon. County of Lancashire *Lat*
 Rain Gauge, by Observer J. A. Brodie Esq. Ch.

Mersey - lower 2

Diameter ..	9									
Height	2 3		0.9							
Altitude ..	48 ft									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
January ..										
February ..	4.02	2.08		2.30						
March	3.40	1.33		4.84						
April.....	1.12	1.73		3.13						
May	1.19	1.76		4.69						
June	1.48	1.03		3.09						
July	2.40	1.84		4.71						
August	1.00	1.74		2.46						
September..	7.40	3.00		3.55						
October....	6.60	8.83		4.88						
November ..	4.14	3.49		7.68						
December ..	3.19	3.20		3.03						
TOTALS ..	32.75	25.64	No ^t Rec'd	36.79						

1902 Record not received

1903 St. Stephens Church 342 yards NW

Lime St. Station

L & N W R Y

Boulding (2 ft high) 80 ft S.W.

Monument Place

RAINFALL AT Liverpool St. John's Gardens +

Lat. 53° 24'. 32" N. Lon. 2° 53'. 18" W. County of Lancashire South
 Re leider Rain Gauge, by Casella Observer J. A. Boardman Esq. Ch.

Hessey - 2

Diameter ..	5						10			
Height	0 9					1. 3	4 . 6			
Altitude ..	47 ft					126 ft	129 ft			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909 MEANS.
January ..	4.04		2.29	2.30	2.27	1.18	4.75	98	1.94	
February ..	3.35		1.74	1.81	3.88	1.24	1.94	1.51	2.24	
March	1.12		1.77	3.13	1.63	3.49	2.02	1.65	3.02	
April.....	1.21		2.14	1.69	#1.08	2.17	1.09	1.14	3.25	
May	1.49		3.88	3.09	2.13	.54	2.88	2.99	2.98	
June	2.39		1.96	1.71	1.28	2.17	1.41	5.05	2.09	
July98		2.40	2.46	1.11	1.89	.87	2.24	3.43	
August	7.41		2.48	3.55	4.49	3.72	2.86	3.21	3.17	
September..	.45	(1.11)	4.88	2.28	1.90	1.81	.63	3.32		
October....	4.14		3.37	7.68	1.48	2.95	5.38	3.77	2.01	
November ..	3.19		2.10	3.03	2.14	3.64	1.92	2.79	2.39	
December ..	2.81		2.44	1.46	2.64	.85	3.49	2.30	1.73	
TOTALS ..	32.58	2560	2770	36.79	26.41	25.24	30.42	28.26	31.57	

- 1902 St Stephens church 342 yards N.W.
 Building 62 ft high 80 ft S.W.
 Range moved 100 yards SE Sept 11?
- 1903 Limekiln Station 500 yards E + N.W.R. W.S.W
- 1904 March 30 Range moved 677 yards E to Monument Place
 St Saviour & St Vincent Church 233 yards SW
- 1905 Statue 20 ft high 50 ft W
 Building 50 - 180 ft W

Monument Place

Casella recording g. supplemented by 5 in. Snowdon when out of order. (06)
 see also previous sheet

RAINFALL AT Liverpool, Monument Place

Lat. Lon. County of Lancashire, South

Snowdon Rain Gauge, by Observer J. A. Brodie Esq. B.C.

Mersey 2

Diameter										5	
Height										1 3	
Altitude										126 T	
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January								98	2.04	1.71	
February								1.51	2.24	.66	
March								1.65	3.02	2.88	
April								1.14	3.27	2.29	
May								2.99	2.98	1.46	
June								5.24	2.09	2.38	
July								2.20	3.43	3.78	
August								3.21	3.17	3.15	
September63	3.42	2.60	
October								3.77	2.01	4.18	
November								2.79	2.39	1.12	
December								2.30	1.73	5.77	
TOTALS								284	31.79	31.98	

1907 St. Saviour's Ch. 233 yards SW.

Lime Street Station (at NW) 500 yards WSW.

1908 Statute 20 ft high 50 ft W

Bouldby 50 . . 150 . . W

See also next sheet. These two gauges do not seem to have always been kept separate.

RAINFALL at Liverpool Monument Place

County of South Lancashire

Observer J. A. Brodie Esq. C.R.

River Basin Lower Mersey 2

H. Orensky Jr.

Records Rain Gauge, by Casella

of the same.

+ Imported

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53°24'32"	258°18'	Lemn Pt. S+NW					

RAINFALL at Liverpool Monument Place

County of South Lancashire

Observer J. A. Brodie Esq. CL.

River Basin Lower Mersey 2

H. Greenlag CL.
H. Owen

Rain Gauge, by

Diameter ...	5										
Height	1 3										
Altitude ...	126 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	2.36	.73	3.80	3.24	1.04	3.35	1.49	1.67	1.55	2.67	
February ...	2.62	1.89	1.06	.66	1.25	2.18	3.07	1.24	2.27	1.38	
March66	.97	4.30	2.48	2.60	1.30	1.77	3.13	1.06	5.90	
April	3.05	2.12	.18	3.00	.59	1.44	1.63	1.94	1.20	1.28	
May	2.34	.72	2.09	2.17	2.00	1.25	2.80	3.28	2.87	.88	
June.....	3.90	2.59	3.28	2.03	1.48	.85	2.44	1.77	1.79	1.36	
July	4.53	.47	3.51	2.49	4.44	3.05	1.31	1.63	3.53	1.47	
August.....	4.14	3.00	5.79	1.46	1.89	5.76	2.84	6.88	2.12	4.33	
September ..	.39	4.61	1.11	1.92	3.06	.60	2.59	1.24	6.95	2.32	
October ...	2.92	2.58	2.92	2.49	1.88	1.99	4.01	6.34	2.37	2.73	
November ..	4.73	2.53	2.47	3.12	2.99	2.10	2.29	2.68	1.96	1.67	
December ...	3.39	3.72	2.01	2.05	4.82	6.06	1.98	1.33	6.65	5.43	
TOTALS ...	35.33	25.93	32.52	27.11	28.04	29.93	28.22	33.13	34.32	31.42	

1912 Statute 29 ft high 50 ft W
 Buildings 50. 180. W

+ Infected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53°24'32" N	2°58'18" E	Lune St	600 yds	WSW	St. Saviour's Roman	233 yds	S.W.

RAINFALL at Liverpool Monument Place

County of Lancashire Observer J. D. Bradie Esq. C.E.
 River Basin Lower Mersey 2 J. P. Sparks C.E.
 Recording Rain Gauge, by Casella City Engg. Liverpool

Diameter ...	10						9				
Height	4.6						4.6				
Altitude ...	129						125		124.6		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	3.20	3.46	3.41	2.04	2.31	1.41	2.56	3.50	5.47		
February ...	2.49	1.19	2.66	3.31	1.64	4.41	2.68	1.50	2.61		
March	3.95	1.66	1.73	1.81	1.03	.92	.75	2.66	1.13		
April.....	3.81	1.08	1.98	2.63	2.23	1.86	.69	1.46	.81		
May	3.21	2.19	1.29	3.14	5.71	2.32	3.52	1.21	1.49		
June	2.63	1.18	2.21	1.46	1.82	.05	1.22	4.33	5.04		
July	5.44	1.20	4.25	2.89	2.16	2.34	3.74	3.38	1.87		
August	2.03	4.83	3.00	3.25	5.12	3.61	3.31	5.77	3.66		
September...	2.95	1.34	2.83	3.32	4.34	3.89	4.03	6.08	1.14		
October.....	1.35	3.02	1.59	3.63	3.69	3.94	3.12	2.76	3.71		
November...	.78	2.01	1.87	3.41	1.59	2.65	4.84	4.85	4.36		
December...	2.33	3.67	3.85	4.05	3.22	2.83	.95	1.47	2.32		
TOTALS...	34.17	24.67	29.67	33.44	33.86	29.93	31.41	38.97	33.49	NR.	N2/HF

1923. n.p. Recorder.

1924. n.p. Low.

1925. n.p. printed recording gauge

Station 20 ft. high, 20 ft. W.

Building 50 - 180 - W.

1926. n.p. + recorder.

1927. do. do.

1928. do. do.

Obs old not required Entd 8/5/1928.

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	Parish Church.	Distance from gauge
1920	53° 24' 32"	2° 58' 18"	Lime St.	500 yds	W.S.W.	St. Edmund	233 yds S.W.

RAINFALL at Liverpool Monument Place

County of Lancashire

Observer J. L. Bradie Esq. C.E.

River Basin Lower Mersey 2

J.P. & Bank C.E.
City Corp Liverpool

(1925) M.A.O. Rain Gauge, by

Diameter ...	5"											
Height	1.3											
Altitude ...	126											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	
January ...	3.37	3.55	3.59	2.04	2.31	1.50	2.56	3.50	5.47	1.95	4.95	
February ...	2.55	1.19	2.82	3.34	1.65	2.54	2.70	1.55	2.58	1.92	2.1	
March	3.97	1.73	1.75	1.32	1.10	.92	1.85	2.64	1.13	.53	2.97	
April	3.89	1.11	2.00	2.63	2.23	1.86	1.71	1.46	.81	1.03	2.98	
May	3.30	2.21	1.38	3.26	6.02	2.32	3.71	1.21	1.49	1.76	1.01	
June	2.71	.18	2.34	.46	1.86	.05	1.29	4.33	5.04	1.22	1.89	
July	5.63	1.38	4.26	2.96	2.16	2.62	3.77	3.34	1.56	2.40	5.76	
August	2.09	5.01	3.33	3.88	5.33	3.48	3.34	5.76	3.48	3.11	5.94	
September...	3.24	1.34	3.04	3.74	4.38	4.04	4.17	6.05	1.14	2.24	2.88	
October.....	1.36	3.07	.58	3.76	3.71	3.95	3.21	2.77	3.41	4.42	4.43	
November...	.78	2.07	1.63	3.42	1.66	2.78	4.87	4.76	4.39	5.26	4.74	
December...	2.13	3.67	3.94	4.10	3.29	2.85	.99	1.47	2.32	5.02	4.38	
TOTALS...	35.02	25.51	30.66	34.91	34.70	30.91	32.17	38.81	33.42	30.16	42.14	

1920 Station 204 ft High 504 ft W

Buildings 50 .. 180 .. W

1925. Not printed now.

1926

1927

1924. N.P. Low throughout

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 24' 32" N	2° 56' 18" W	Lime St.	500 yds	W.S.W.	St. Simeon	233 yds	S.W.

RAINFALL at Liverpool (Monument Pl.)

County of South Lancashire

Observer Liverpool Corpn.

River Basin Mersey - Lower - 2

Type of Gauge F.I.O. (+A)

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

Ref.

81511/28.

Diameter	S.										
Height		1.3.									
Altitude		124.									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	3.08	2.75	1.45	1.42	1.65	4.26	1.86	3.00	4.91	2.50	27.38
February	2.68	1.05	3.33	2.20	2.71	2.61	4.95	.66	2.64	2.34	22.17
March	1.27	2.18	1.92	1.56	1.94	1.61	1.32	1.94	1.68	2.65	15.07
April	2.70	3.08	.97	1.82	2.58	1.13	3.15	.32	2.03	2.12	19.75
May	2.67	4.45	1.83	1.91	1.96	.97	2.52	2.77	1.39	1.93	22.40
June	4.57	1.45	2.04	1.22	3.09	3.50	1.28	2.58	2.65	1.01	22.39
July	2.31	4.90	1.81	.81	3.25	3.18	1.76	3.12	5.91	3.59	30.64
August	6.72	1.34	1.94	3.84	2.23	1.59	2.47	5.64	1.50	.81	28.08
September	3.70	3.70	.79	2.38	5.83	3.15	2.28	2.31	.91	2.96	28.01
October	1.94	6.78	3.78	5.91	4.19	2.10	2.67	4.69	2.47	4.47	31.00
November	3.99	2.69	1.70	1.99	3.85	3.35	1.80	3.54	4.75	5.76	33.42
December	1.51	1.50	.62	4.84	3.50	3.42	2.61	3.75	2.78	2.43	26.96
TOTALS	36.14	38.82	22.18	28.40	35.78	30.87	28.67	33.22	33.62	32.57	315.21

Stable 20' high 50' w.
Building 50' - 180' l.o. 1940 Jan past estd.

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	Direction
1931			Lime Street, L.M.S.R.	500 yds	N.W.	St. Simon's.	233 yds	S.W.

Station No. 2815

RAINFALL at Liverpool (Monmouth P.R.)

41

County of South Lancashire

Observer Liverpool Corps:

River Basin Mersey Lower-2

(Lake & Fylde + Mersey)

Type of Gauge M.O. (+A)

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

Ref.

File No. 815111/28

Diameter	5"			567	541						
Height	1' 3"					1					
Altitude	124'					41					124-25'
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	(2.55)	3.56	4.11	4.03	1.97	3.91	2.51	6.83	2.54	1.15	33.16
February	3.80	1.44	1.74	1.08	2.78	4.47	1.03	1.82	1.15	4.63	23.94
March	3.20	2.46	.75	.90	.91	.92	4.82	.86	2.46	1.19	18.47
April	1.83	1.51	1.35	2.07	1.69	.92	2.63	1.70	2.56	2.74	19.00
May	1.98	3.00	2.29	1.81	3.51	2.00	4.04	1.39	3.14	.91	24.07
June	.51	.18	2.20	2.55	2.69	3.52	2.35	3.78	.68	2.36	20.82
July	2.73	3.00	4.63	2.36	2.21	4.07	3.06	2.86	1.84	2.21	28.97
August	4.84	4.07	3.21	3.32	2.23	5.07	.41	2.86	1.97	6.61	34.59
September	.74	2.30	3.63	5.37	1.95	3.78	2.82	1.76	1.12	5.05	28.52
October	4.07	3.41	4.22	4.10	4.58	.82	1.19	2.27	3.65	2.42	30.67
November	2.67	.86	2.49	6.02	.28	5.16	3.35	2.59	4.56	5.40	32.38
December	1.05	3.17	1.65	2.66	2.46	3.25	2.54	3.00	4.55	3.54	27.87
TOTALS	29.94	28.96	32.27	36.27	27.26	37.89	30.75	30.66	30.22	38.21	322.46

1941 Station 20' high 50° W. Buildings 50' high 180° W.
40004Position 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.
1941			Lime St. L.M.S.	500 y.	W.S.W.	St. Simmons	233 y.
-							

Station No. 2815

RAINFALL at Liverpool (Monument 12.)

County of St. Lancashire

Observer Liverpool Corp.

River Basin Muscatatuck Lower - 2

City Engineer & Surveyor.

Types of Growth

~~B.A.~~ (中日) (~~新舊~~)

Annual Average 32.3 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S. 60.5
" " 32.97 " 27 - within 1900-57 - - - 1916-50 File No. 8151M 1985

Diameter	5"		567	541							
Height	1' 3"				1	1' 2"					
Altitude	124'				51	127'					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	Means Total	
January	2.13	3.38	1.24	2.99	2.51	3.99	1.40	2.64	3.26	5.21	28.75
February	2.47	.95	1.23	3.20	2.28	.43	2.06	5.04	.20	1.58	19.44
March	4.82	2.08	1.06	2.16	1.89	1.45	2.08	1.43	1.34	1.72	20.03
April	1.25	1.77	2.31	.72	1.76	2.97	.44	.62	3.06	1.32	16.22
May	3.16	2.13	1.91	2.67	2.87	.93	1.60	2.82	1.80	2.29	22.18
June	1.03	2.16	1.44	3.44	3.16	1.94	1.43	4.92	2.87	0.88	23.27
July	1.73	1.44	3.69	3.70	.77	4.33	3.77	4.01	3.22	3.34	30.00
August	4.02	2.64	3.62	4.96	1.67	8.70	3.86	3.27	2.66	4.03	39.43
September	2.48	3.76	3.42	3.68	2.46	2.22	5.75	4.86	.25	4.02	32.90
October	.91	4.22	1.62	5.75	2.48	2.21	3.12	2.92	3.29	3.83	30.35
November	7.66	2.95	3.11	6.16	1.45	1.36	1.17	1.82	5.08	6.42	37.18
December	4.55	3.58	1.46	3.92	3.94	2.42	3.07	4.40	4.98	3.04	35.36
TOTALS	36.21	31.06	26.11	43.35	27.24	32.95	29.75	38.75	32.01	37.68	935.11
	0	P	D	D	D	D	D	P	D	D	P,P

1951 Station 20' at 50' N Buildings 50' at 100' W

1956 Starts 24° at 45' W. Guidelines 33° 5' at 90° N. 52° at 85° S. 13° 4' at 91° E

S/I/E of station 25. Same camp & particulars affixed January 1927. Gauge NOT moved.

May 11, 1952, f. BOK. 9 in. pot candle. Sores glaze allow rain to enter from sides. Serracodes by concrete. Overshelter very slight by building to SSE. Young trees planted NNE, SW-S and ENE will soon overshelter. No hope of improvement. Concrete records with rim at 6 in wooden box with top 2' x 2' flesh with rim.

1959 n.p. gauge reading

1960 100 100

Position of Station on Ordnance One-Inch map:

No. of Map. 101

National Grid Reference 331354907

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Limestone	500 ^A	St. Swithin	233 ^A SW.

Summary of Earlier Records from 10-year Sheets:

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓ np 24-27 D 11, 12	✓ D 25-30	✓ ✓ but -43	