

# RAINFALL AT Brighton Water Works Race Hill

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

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

County of \_\_\_\_\_

E Sussex

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

Observer \_\_\_\_\_

J. Johnston Esq. C.E.

Diameter . . . .								8			
Height . . . . .								10			
Altitude . . . .								466			
Year . . . . .	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . . .								2.17	.94	3.38	
February . . . .								2.95	1.37	2.93	
March . . . . .								4.27	.86	.63	
April . . . . .								2.58	.95	2.62	
May . . . . .								1.77	3.36	1.30	
June . . . . .								3.10	1.38	1.11	
July . . . . .								.31	.43	.86	
August . . . . .								3.59	1.34	.58	
September . . .								2.61	1.04	3.58	
October . . . . .								.34	3.86	2.50	
November . . . .								1.70	3.69	5.18	
December . . . .								3.64	2.79	2.16	
TOTALS . . . .								29.03	22.01	26.83	

# RAINFALL AT Brighton W.W. Race Hill

Lat.

Lon.

County of East Sussex 3

Shade Rain Gauge, by H&J

Observer J. Johnston Esq. C.E.

Diameter ..	8											
Height ....	1	0										
Altitude ..	466 ft											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.46	.88	1.15	3.17	4.40	.91	4.94	1.02	1.68	1.40	2.301	
February ..	5.48	1.68	1.80	1.41	3.43	.64	2.78	1.50	1.27	.35	2.034	
March ....	.74	1.18	1.87	2.22	1.06	4.56	1.63	1.02	2.22	4.04	2.054	
April .....	1.19	1.96	.98	2.53	1.39	1.98	1.28	4.24	2.08	1.26	1.889	
May .....	.57	.61	2.20	2.61	3.91	.65	2.43	2.00	1.38	1.25	1.761	
June .....	2.73	1.04	2.47	2.39	.80	3.58	2.51	2.15	1.19	2.48	2.134	
July .....	1.39	3.05	1.34	4.78	.51	.53	.37	1.30	3.21	2.57	1.905	
August ....	2.40	1.71	4.20	3.90	1.73	2.42	1.34	1.35	3.05	3.19	2.529	
September ..	.96	1.50	.67	2.40	1.97	2.83	1.45	.73	2.02	3.09	1.762	
October ....	2.91	4.35	2.42	6.56	2.56	1.83	4.43	4.90	1.47	8.52	3.995	
November ..	4.36	.43	3.19	2.14	1.58	5.65	6.47	1.99	1.38	1.34	2.848	
December ..	4.15	4.34	1.90	2.13	3.78	.98	2.50	2.99	3.92	4.94	3.168	
TOTALS ..	30.34	22.73	24.19	36.29	27.07	26.56	32.13	25.19	24.87	34.43	26.383	✓

1909 St. Peter's Church  
Kemp Town Station

7.600 ft S.W.  
4.500 ft N.S.W.

RAINFALL at Brighton W.W. Race Hill Res:County of SussexObserver J Johnston Esq C.E.River Basin Adur + C 3Gauge met office Rain Gauge, by N+3  
800 all over

Diameter ...	8											
Height .....	1 0											
Altitude ...	466											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sums
January ...	2.93	1.58	3.37	5.89	.86	4.15	1.68	1.43	3.86	5.47		16.19
February ...	4.19	1.66	2.83	1.25	4.05	4.90	5.19	1.55	1.16	2.94		12.44
March .....	1.88	2.20	4.29	2.83	5.56	.84	3.83	1.95	1.46	4.84		12.08
April .....	2.05	1.75	.01	3.46	1.49	1.60	1.25	1.61	2.32	2.78		7.96
May .....	2.55	.87	1.49	1.96	1.06	4.13	2.18	1.33	1.51	.49		5.51
June .....	2.77	2.49	3.05	.67	1.12	.78	2.91	2.68	1.25	.71		7.55
July .....	2.68	.68	1.08	3.70	2.50	4.46	.96	3.83	4.14	1.47		10.40
August .....	2.77	.48	7.22	2.74	1.14	1.64	1.58	5.78	2.02	3.95		13.33
September ..	.18	2.18	3.47	2.16	1.52	2.86	2.07	1.73	6.76	1.89		12.85
October ...	3.63	6.77	4.05	4.80	2.74	4.24	5.71	4.17	2.16	.78		12.82
November ...	5.87	6.91	2.35	5.08	4.23	3.68	4.96	1.72	2.34	3.06		12.08
December...	3.57	6.84	4.65	1.84	9.22	9.40	5.10	2.14	3.07	6.37		16.68
TOTALS ...	35.07	34.41	37.86	36.38	35.49	42.48	37.42	29.92	32.05	34.75		134.72

1914 Collg.

50 ft 5

pH

+ 26. III. 15 - Cf. on top of ground res. rather over exposed. Suggested placing in hollow on N. in a good site



Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	50° 50'	0.6.	Kemp Town 3/4 m down R.	3/4 m 1 mile	SW W	R.C. Church	1 m	W.S.W



RAINFALL at *Drighion N.W. Pace Hill Reservoir*County of *Sussex*Observer *J. Johnston Esq. C.E.*River Basin *Adur & C. 3**A. B. Bathurst, Esq. C.E.**Copper M.C. Rain Gauge, by No. 3.*

Diameter ...	8							8				
Height .....	1 0					4 0	3 0	1 3				
Altitude ...	466					462	463	469				
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 <del>1931</del>	
January ...	4.52	3.36	4.35	1.80	2.75	4.40	4.19	2.39	6.01	1.58	3.47	Totals.
February ...	.77	.62	3.03	5.05	.66	3.91	3.61	3.62	1.65	1.86	1.39	38.82
March .....	2.51	1.66	1.81	2.97	1.94	.60	.55	4.12	2.81	.10	1.67	26.17
April.....	3.32	1.08	3.41	3.80	3.01	3.93	3.80	2.25	3.04	.68	2.11	20.74
May .....	1.32	1.75	1.07	3.47	3.75	4.61	3.39	.95	1.50	2.34	2.36	30.43
June .....	2.23	.02	1.65	.65	2.57	.10	4.11	4.60	3.46	3.04	.78	26.51
July .....	4.75	.61	3.09	4.80	4.08	5.39	2.34	1.75	2.53	1.64	2.70	23.21
August .....	1.39	2.24	3.43	3.04	3.40	2.70	3.82	5.45	2.14	2.79	4.70	33.68
September...	2.67	.80	2.15	3.08	3.38	3.38	.96	6.80	.75	.93	3.28	35.10
October.....	2.42	1.21	1.13	7.75	5.75	5.05	2.96	2.65	8.59	4.28	3.23	27.68
November...	2.49	2.26	1.82	2.20	4.01	3.83	1.46	3.82	4.34	9.60	6.80	45.02
December...	3.74	2.53	3.62	3.90	5.03	5.20	.54	4.56	4.22	7.00	3.34	48.63
TOTALS...	32.13	18.44	30.56	42.51	40.33	43.10	37.73	42.46	11.04	35.84	35.83	379.67

1920 Inspected 1915-  
 1925 Cottages 25' high, 200' W.  
 1926. Houses 16 ft high 96 ft. W.

Position of Station on reduced Ordnance Survey  
Map, 2 miles 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
1920	50° 50'	0° 6'	Kemp Town	3 1/4 mi	SW	P.C. Church	1 mi	W.S.W

## RAINFALL at Brighton W.W. (Race Hill Res.)

County of SussexObserver A. B. Cathcart, Esq., C.E.River Basin Adur & C3Type of Gauge M. & S. Standard (low inspection)Annual Average 31.6 in. based on 42 years obs. ~~un~~-weighted. Period of average 1881 - 1915 Ref. 3

660 555/26

Diameter	8											
Height	1 3						1 0	<sup>low inspection</sup> 9				
Altitude	409						467			456		
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	2.86	2.78	2.64	3.56	.94	4.62	6.40	4.57	6.73	3.16	38.26	
February	2.25	.08	2.46	.08	4.91	2.37	5.74	.74	1.89	3.13	23.65	
March	.59	1.49	2.56	3.57	.53	1.72	3.66	.71	1.71	3.24	19.78	
April	2.81	2.28	1.31	2.65	4.00	2.86	3.35	.38	3.31	1.66	24.31	
May	2.55	3.00	2.40	.46	1.04	.59	3.04	3.50	1.44	1.58	19.62	
June	1.77	1.40	2.26	1.38	2.53	2.69	1.35	.64	1.49	.14	15.65	
July	3.55	3.54	1.88	2.04	.38	4.19	1.73	1.70	4.56	3.07	26.64	
August	2.81	.79	1.50	2.79	4.71	.88	1.53	1.39	2.64	.12	19.16	
September	2.87	3.02	3.60	1.62	7.89	2.11	2.58	2.76	.68	2.49	29.62	
October	.57	7.91	1.92	2.65	5.57	1.63	2.58	4.22	7.25	4.07	38.37	
November	5.09	1.74	1.35	5.52	8.05	5.98	1.92	3.96	8.55	8.99	51.15	
December	1.97	.93	.97	10.12	4.80	3.13	4.69	3.76	2.33	3.21	35.91	
TOTALS	29.69	28.96	24.85	36.44	45.35	32.47	38.67	28.33	42.60	34.86	342.12	

1931. Houses 16' high, 96' W.

+ Inspected 12/10/38 by G.R.R. Bennett. Very windwept position.

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.			Kemp Town	1 m.	S.	St. Mark's	1 m.	S.

## RAINFALL at Brighton W.W. (Race Hill Res.)

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County of Sussex

Observer A.B. Ballantyne Esq. C.E.

River Basin Adur &amp; C.

F. Neidham Green Esq. C.E. (1946)

Type of Gauge. Standard. Rainfall

Annual Average 31.6 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No. 660555/26

Diameter	8"			313	490							
Height	9"	1'0"			1							
Altitude	456'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Totals	Means
January	4.07	3.11	7.09	2.34	1.78	2.56	2.57	5.94	1.91	1.61	32.78	
February	4.20	.69	1.27	1.08	2.35	3.77	2.39	1.94	1.28	5.22	24.19	
March	2.97	4.28	.54	.12	1.76	1.54	7.41	1.00	1.75	1.75	23.12	
April	1.58	1.00	1.65	1.90	1.14	2.22	2.08	1.47	1.64	2.55	17.23	
May	2.22	2.75	2.19	.36	2.59	2.69	1.48	2.66	1.85	1.01	19.30	
June	2.21	.15	2.04	1.57	2.34	3.05	3.44	2.03	.94	.73	18.50	
July	2.87	2.48	2.80	2.46	4.82	2.01	2.82	2.21	.26	2.71	25.64	
August	5.37	3.97	1.85	2.19	1.89	8.29	.46	4.77	1.67	3.42	33.88	
September	.46	2.89	2.12	2.64	2.10	3.65	2.64	2.02	2.35	3.82	24.69	
October	1.17	3.90	3.55	5.22	3.94	1.06	.94	2.55	8.49	1.42	32.24	
November	5.19	1.83	2.71	5.99	.42	5.54	2.20	3.13	5.31	7.21	39.53	
December	2.34	3.03	2.38	2.12	4.44	3.87	2.58	2.86	1.94	2.09	27.65	
TOTALS	34.65	30.08	30.19	27.99	29.67	40.25	31.01	32.58	29.39	33.54	319.25	

1941. House 16' high 96' W.

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	Parish Church.	Distance from gauge.	Direction
1941			Kempt Town	1 mile	S	St. Marks	1 mile	S

BRITISH RAINFALL ORGANIZATION



Station No. 486 T.F.

RAINFALL at BRIGHTON W.W. (RACE HILL RES.)

51

County of SUSSEX

Observer F. NEEDHAM GREEN, Esq., C.E.

River Basin ADUR &amp; C. B.

Type of Gauge GAUSHAM M.O. Mk 1.

Annual Average 31.6 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S

34.15 " " 35 " " 1916-1950

1916-1950

File No. 660555/26 P

Diameter ...	8"			313	490			5"			
Height ...	1' 0"				1						
Altitude ...	456'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.96	2.50	1.56	1.75	4.66	6.23	2.68	5.20	3.88	3.38	36.10
February ...	6.62	1.09	1.31	3.47	2.24	.22	5.45	3.30	.06	3.05	26.81
March ...	3.94	3.70	36	4.27	1.07	.44	1.89	2.43	1.83	2.51	22.44
April ...	2.54	1.76	2.53	.64	.57	1.68	.26	1.08	2.50	1.34	14.90
May ...	2.60	2.41	1.77	1.66	4.15	.50	1.39	2.95	0.62	1.65	19.70
June ...	2.00	1.20	1.36	3.38	1.88	2.31	1.59	4.04	1.97	1.87	21.60
July ...	2.50	1.14	4.13	5.57	.51	2.86	4.80	3.33	1.40	4.11	30.35
August ...	5.48	2.82	2.22	3.67	1.51	3.55	2.69	5.93	1.23	7.76	36.86
September ...	3.23	4.09	4.97	4.11	3.50	3.67	4.65	4.93	1.1	4.49	37.62
October ...	1.63	4.04	3.76	3.58	3.32	1.73	1.90	4.01	3.31	9.24	36.52
November ...	5.72	5.13	2.63	6.18	1.43	.76	3.24	2.90	4.99	8.42	40.90
December ...	3.11	4.29	.97	3.15	4.30	6.06	2.67	5.42	8.02	4.66	42.65
TOTALS ...	43.33	34.47	27.57	41.43	29.14	29.81	33.21	45.52	29.47	52.48	366.45
	D	D	D	D	D	D	D	D	D	D	

1958 New S.G. installed (replacing the 8'g.) BR 699/57. MEASURE BR 10908/57. (- 100A) 20/1/58

INSP JAN 1958 J.D.O.M. See. covr

1958 Houses 16' high, 96' W.

Position of Station on Ordnance One-Inch map :

No. of Map 182

National Grid Reference TA 35057

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1952.			Kemp Town	1ml. S.	St. Martin's.	1ml. S.

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
	✓	✓	✓	✓	