

RAINFALL AT *Brighton Water Works Hatcham*

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

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

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

*E. Sussex 3*

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

Observer \_\_\_\_\_

*J. Johnston Esq C.E.*

Diameter ....					5							
Height .....					16							
Altitude ....					207							
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....					4.49	2.70	1.26	2.69	.87	2.66		
February ....					2.13	.17	.30	3.43	1.41	3.08		
March .....					1.47	2.33	2.72	4.63	1.07	.53		
April .....					2.21	2.53	.56	2.44	.90	2.52		
May .....					1.62	.14	.29	1.63	3.57	1.24		
June .....					1.92	.34	2.44	2.51	1.62	1.22		
July .....					6.27	2.87	1.12	.57	.66	.97		
August .....					2.67	2.91	1.20	3.86	1.47	.76		
September....					2.95	.79	7.01	2.46	1.11	3.86		
October .....					4.17	4.86	4.76	.38	3.93	2.16		
November....					4.28	4.56	1.64	1.63	3.86	5.09		
December ....					2.55	3.59	4.88	3.72	2.70	1.74		
TOTALS ...					36.73	27.79	28.18	29.95	23.17	25.83		

# RAINFALL AT

Brighton W.W. Patcham

Lat. ....

Lon. ....

County of

East Sussex

Stanley's Rain Gauge, by

Observer

J. Johnston Esq. C.E.

Diameter ..	5										
Height ....	1 6										
Altitude ..	207 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	3.75	.83	1.24	3.25	4.99	1.16	5.52	.98	2.14	1.42	2.528
February ..	5.65	1.85	1.76	1.42	3.13	.62	3.00	1.78	1.43	.49	2.113
March ....	.87	1.36	1.58	2.61	1.10	4.31	1.54	1.01	2.12	4.53	2.103
April .....	1.35	2.11	.91	2.54	1.62	2.09	1.24	4.07	2.38	1.41	1.972
May .....	.60	.87	2.40	2.52	4.28	.60	2.47	2.05	2.02	1.51	1.935
June .....	2.88	1.15	2.85	2.76	1.28	3.82	2.22	2.52	1.35	2.45	2.328
July .....	1.04	2.14	1.33	4.67	1.01	.53	.50	1.40	3.28	3.15	1.908
August ....	3.22	1.68	4.68	3.88	2.03	2.50	1.51	1.99	3.47	3.19	2.815
September ..	1.01	1.86	.45	2.75	2.14	2.85	1.51	.83	1.79	3.81	1.900
October ....	2.70	3.40	2.32	7.53	2.58	2.02	5.20	5.72	1.70	9.44	4.261
November ..	4.06	.47	3.19	2.18	1.37	5.95	6.95	2.21	1.43	1.49	2.930
December ..	4.03	4.79	2.10	2.23	3.58	1.24	2.60	2.87	3.88	5.46	3.278
TOTALS ..	31.16	22.51	24.81	38.34	29.11	27.72	34.29	27.43	26.99	38.35	30.071

1909

Patcham Church

2.600 ft

W.N.5

Preston Park Station

8.200 .

5

RAINFALL at Brighton B.W. PatchamCounty of SussexObserver J. Johnston Esq. C.E.River Basin Adur + C 3

5.00 Rain Gauge, by Hand  
Copper sun-don Corella  
 5.00 all over

Diameter ...	5										
Height .....	1.6										
Altitude ...	207 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.04	1.77	3.60	5.69	.93	4.83	2.27	1.65	4.27	6.84	
February ...	4.47	2.09	3.30	1.37	4.58	4.86	5.55	1.73	1.43	3.07	
March .....	2.05	2.81	4.77	3.12	5.77	1.10	4.09	2.25	1.43	5.52	
April .....	2.37	1.97	.00	3.53	2.29	1.77	1.28	2.23	2.81	2.81	
May .....	3.24	1.25	1.45	2.41	1.14	4.30	2.38	1.19	1.77	.37	
June .....	3.34	2.70	2.99	.98	1.42	.68	3.10	2.89	1.46	.98	
July .....	3.06	.60	1.37	5.08	2.10	5.22	1.05	3.23	4.45	1.58	
August .....	3.59	.47	8.70	2.10	1.14	1.82	2.20	6.27	1.86	4.01	
September ..	.21	2.03	3.29	2.90	1.82	3.65	2.35	1.84	6.71	1.54	
October ...	3.74	5.79	4.34	4.66	2.93	4.38	5.61	4.86	2.28	.82	
November ...	6.37	8.24	3.37	4.00	4.68	3.98	5.69	1.88	2.39	3.41	
December ...	3.53	7.18	4.95	1.89	9.28	9.52	5.16	2.91	3.07	6.29	
TOTALS ...	39.01	36.90	42.13	37.73	38.08	46.31	40.73	32.93	33.93	36.94	
	5	5	3	2	2	2	6	2	6	2	

Sum  
 16.19  
 14.73  
 11.78  
 13.27  
 9.13  
 5.71  
 8.43  
 10.3  
 14.34  
 12.44  
 13.57  
 13.37  
 17.43  
 14.5  
 4.2  
 11.1

9.12 4 2 Buildings

50 yards E

+ 26. III. 15 C.E. Gauge in drainpipe in small veg. garden. Observer  
 wanted to keep down cabbages. Chimney shaft on N. Res. bank rises  
 50 ft on W. but well away. a good site.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
(911)	50.52	0.9.30	Puelton Park	1/2 m	S	all saint	1/2 m	E



RAINFALL at Patcham, Brighton W. H.County of SussexObserver J. Johnston Esq. C.E.River Basin Adur & C.A. B. Barker Esq. C.E.Copper Inwood Rain Gauge, by Gasella

Diameter ...	5"							5				
Height .....	1.6					40	30	11				
Altitude ...	207					203	204	206				
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	4.39	3.77	5.17	1.62	2.66	3.86	4.31	2.80	5.85	1.52	3.49	TOTALS
February ...	.75	.62	3.02	4.78	.69	3.63	3.89	4.18	1.64	1.77	1.33	37.64
March .....	2.51	1.53	1.96	3.22	1.58	.65	.45	3.64	2.27	.09	1.94	26.30
April .....	3.47	1.11	3.76	3.88	2.85	3.82	3.74	2.20	3.72	.98	2.06	17.84
May .....	1.23	1.93	.83	3.85	3.49	3.35	2.92	1.20	1.67	2.64	2.03	31.59
June .....	2.04	.02	1.70	.50	3.10	.10	4.34	4.73	3.10	2.61	.93	25.14
July .....	4.62	.30	3.06	2.75	3.56	3.89	2.18	1.94	2.12	1.66	2.92	22.97
August .....	1.41	1.51	3.27	2.25	3.46	2.92	2.96	5.04	2.23	3.26	3.96	27.05
September...	2.86	.92	2.09	2.05	2.82	2.13	.79	6.87	.83	.77	3.42	32.27
October .....	2.02	1.33	.74	5.09	4.51	4.09	3.10	2.67	7.97	3.98	3.06	25.55
November...	2.45	2.12	1.59	1.89	3.06	3.96	7.11	4.10	4.24	9.84	5.73	38.56
December...	3.92	2.40	3.64	3.56	4.46	4.66	.53	5.56	4.27	6.19	3.17	46.07
TOTALS...	31.67	17.56	30.83	35.44	36.24	37.06	36.32	44.93	39.91	35.11	34.04	379.11

1920 Inspected 1915.

1925 Patcham Pumping Station, 60' high 100' N.

1926 Shaft 60 ft high 53'6" S.E.

Building 42 ft high 71'6" S.E.

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 Direction from gauge	Parish Church.	Distance Direction from gauge
1920	50° 52'	0° 9' 30"	Preston Park	1 1/2 mi S	All Saints	1 1/2 mi E.

RAINFALL at Patcham (Brighton W.W.)County of SussexObserver A. B. Carthcart, Esq., C.E.River Basin Adur + 3Type of Gauge St. O. Glaisher (1939)Annual Average 31.8 in. based on 45 years obs. ~~un~~-weighted. Period of average 1881 - 1915 Ref. S

6600555/26

Diameter	5											
Height	1	1		0	11			1	0			
Altitude	250			206			205					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	2.76	2.99	2.66	2.30	1.86	4.40	5.73	4.30	6.24	2.53	34.69	
February	2.27	1.7	2.52	11	4.04	2.35	5.56	.81	1.54	3.18	22.55	
March	.50	1.28	2.40	3.10	.56	1.68	3.67	.62	1.58	3.12	18.51	
April	3.43	2.56	1.09	2.33	3.89	2.17	2.98	.45	3.15	1.24	23.09	
May	2.77	3.03	2.59	.35	1.72	.67	2.71	2.99	1.98	1.85	20.66	
June	1.66	1.60	2.29	1.44	2.24	3.26	1.00	.52	1.54	.39	15.94	
July	4.16	3.33	1.88	1.49	.47	4.04	1.61	1.74	3.92	2.62	25.26	
August	2.91	.74	1.71	2.44	4.16	1.28	1.44	1.18	2.84	.13	18.83	
September	2.41	3.07	3.54	1.83	7.59	1.88	2.30	2.79	.78	2.26	28.45	
October	.50	7.87	1.80	2.51	4.20	1.64	3.11	3.75	6.29	4.03	35.70	
November	5.03	1.76	1.23	4.80	8.25	5.11	1.97	3.85	7.18	8.98	48.18	
December	1.62	.87	0.87	9.00	4.73	2.50	4.10	3.42	2.37	3.15	32.63	
TOTALS	30.02	29.07	24.50	21.00	42.71	30.98	36.18	26.42	39.43	33.48	324.49	24.11

1931. Shaft 120' high, 60' S.E.

Building 50' " " 62' E.

Inspected 29/1/33  
Inspected 13/10/38 by G.R.R. Bennell. Gauge situated in vegetable garden,  
site satisfactory.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.			Brighton Park	2 m.	S.	Patcham	1/4 m.	S.E.

Station No. 4.88.I.F.

## RAINFALL at Patcham (Brighton W.W.)

41

County of Sussex

Observer A.B. Bathurst Esq. B.E.

River Basin Adur &amp; C.

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

Type of Gauge Lysimeter

Annual Average 31.3 in. based on 45 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No. 660555/26

Diameter	5"			73	560							
Height	1' 0"				1							
Altitude	205'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Totals	Means
January	3.76	3.06	6.88	2.45	2.04	2.89	2.44	5.75	1.75	1.58	32.60	
February	3.75	.61	1.27	1.02	2.10	3.86	2.35	1.67	1.24	4.64	22.51	
March	3.06	3.99	.36	.11	1.97	1.73	7.23	.99	1.27	1.68	22.39	
April	1.50	.99	1.24	1.98	1.01	1.88	1.59	1.23	1.62	2.62	15.66	
May	1.94	2.80	2.01	.48	2.20	3.05	1.20	2.72	1.78	.91	19.09	
June	2.20	.14	1.80	1.55	2.34	3.01	3.50	2.58	.66	.82	18.60	
July	3.21	2.17	2.63	2.72	4.55	1.80	2.52	2.00	.16	3.33	25.09	
August	5.01	4.14	1.72	1.72	1.83	8.04	.51	4.61	1.28	2.81	31.67	
September	.41	2.82	1.58	2.74	2.18	3.73	2.61	1.91	2.07	3.43	23.48	
October	1.46	3.66	3.30	4.41	3.45	.75	.53	2.27	7.92	1.31	29.06	
November	4.77	1.66	2.30	5.72	.28	4.65	1.75	2.19	4.03	7.06	34.41	
December	1.94	2.97	2.24	1.86	4.49	3.50	2.46	3.19	1.68	2.05	26.38	
TOTALS	33.01	29.01	27.33	26.76	28.44	38.89	28.69	31.11	25.46	32.24	300.94	

1941 Shaft 120' high 60' SE Building 50' high 62' 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	Parish Church.	Distance from gauge.	Direction
1941			Preston Park	2 miles	SW	Patcham	1/4 mile	SE

BRITISH RAINFALL ORGANIZATION



Station No. 488 T.F. 2

RAINFALL at PATCHAM (BRIGHTON W.W.)

51

County of SUSSEX

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

River Basin ADUR &amp; C B

Type of Gauge SNOWDON <sup>ST</sup> Gushier

Annual Average 31.8 in. based on 45 years obs. un-weighted. Period of average 1881-1915 Ref. S

" 31.20 " 3.4 " within 1923-57 " 1916-50 File No. 660555/26

Diameter ...	5"				313	560						
Height ...	1' 0"					1						
Altitude ...	205'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	1916-50
January ...	3.50	2.17	1.48	1.40	4.59	5.82	2.27	4.66	3.79	3.14	32.82	
February ...	5.81	.91	1.21	3.10	1.92	.21	4.91	2.93	.03	3.19	24.22	
March ...	3.77	3.11	.26	3.82	.85	.34	1.84	2.18	1.88	2.57	20.62	
April ...	1.83	1.74	2.63	.49	.47	1.72	.33	1.01	2.21	1.17	13.60	
May ...	2.58	2.62	2.11	1.39	3.69	.54	.89	2.77	.52	1.59	18.70	
June ...	1.87	1.13	1.62	3.01	1.69	2.29	1.20	4.02	1.87	1.93	20.63	
July ...	2.65	1.01	3.61	5.06	.36	2.74	5.68	2.62	2.77	4.56	31.06	
August ...	5.32	3.23	2.44	3.44	1.36	3.42	3.07	5.92	1.32	5.97	35.49	
September ...	2.84	4.01	5.12	3.26	2.95	3.64	4.18	4.58	.13	4.10	34.81	
October ...	1.59	3.47	3.50	2.53	2.70	1.38	1.72	2.97	3.06	8.15	31.07	
November ...	5.62	4.70	2.29	5.31	1.57	.86	2.99	2.69	3.60	8.00	37.63	
December ...	2.44	4.02	.88	2.51	3.87	5.04	2.56	5.21	7.48	4.11	38.12	
TOTALS ...	39.82	32.12	27.15	35.32	26.02	28.00	31.64	41.56	28.66	48.48	338.77	

1955 Building 50' 62' E; Chimney 120' 60' SE.  
Inst. Jan 1956 J.B. OR. See over

t. + A. dist. reports and ATLOS in part 10 1955

TQ(51)

Position of Station on Ordnance One-Inch map: No. of Map 192 National Grid Reference 294094

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1952.			Preston Park	2ml. SW	Patcham	4ml. SE

Summary of Earlier Records from 10-year Sheets:

1916-1950, P- Rejected

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