

RAINFALL AT *Balcombe Highley Manor*

80

Lat.

Lon.

County of *Sussex*

9

Rain Gauge, by

Observer *R. C. Nichols Esq.*

Diameter									8	8	
Height									2.	1.6	
Altitude									422	422	
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January										1.45	
February										2.80	
March										2.76	
April										2.78	
May										1.50	
June37	
July									# 5.26	3.06	
August									2.32	2.82	
September....									1.60	1.36	
October									1.84	6.13	
November....									5.02	1.62	
December....									2.33	2.20	
TOTALS										28.85	

Balcombe Church 3/4 mile SE
Vinery 4 ft high 11 ft N

RAINFALL AT Balcombe Highley Manor

Lat. _____

Lon. _____

County of E Sussex

Rain Gauge, by _____

Observer R. C. Nichols Esq.
J. C. H. M. Bailey

Diameter	8											
Height	1 6											
Altitude	422 \wedge											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.17	3.46	.79	2.48	5.79	2.87	1.26	1.72	.66			
February	1.14	.00	1.60	3.89	2.31	.49	.36	3.57	1.42			
March	2.33	2.66	1.31	.48	2.23	1.82	3.54	5.00	1.17			
April	2.58	.58	1.58	.03	2.53	2.18	.48	2.41	1.14			
May	1.81	2.38	1.18	.80	1.80	.31	.18	1.17	3.76			
June	3.19	1.86	3.50	1.05	2.17	.19	3.12	1.75	2.12			
July	3.63	3.77	2.65	3.34	5.53	4.08	2.22	.87	1.25			
August	3.33	5.06	3.31	.58	2.29	3.15	2.40	3.90	1.29			
September....	1.16	1.62	2.59	2.45	2.43	.47	6.95	2.85	.60			
October	1.59	8.60	5.04	4.44	3.89	4.88	4.08	.21	3.22			
November....	3.08	4.52	4.17	2.65	6.47	6.30	1.62	1.36	4.02			
December62	4.99	2.84	3.43	2.45	3.49	4.83	3.92	2.91			
TOTALS ...	28.63	39.50	30.56	25.62	39.89	30.23	31.04	28.73	23.56			

1890 Balcombe Church 3/4 mile SE

1894 Viney 15 ft high 12 ft N

RAINFALL AT *Balcombe Highley Manor*

Lat. Lon. County of *Essex* *4*
Rain Gauge, by Observer *Mr J. C. Cole*

Diameter ..			8								
Height			1 6								
Altitude ..			422 ft								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			1.09	2.61	5.28						
February ..			1.71	1.58	3.58						
March			2.07	2.94	1.37						
April			1.04	2.39	1.70						
May			3.00	2.64	3.80						
June			3.26	4.30	1.03						
July			2.21	3.87	.83						
August			4.63	4.29	1.61						
September ..			1.54	3.00	1.99						
October			2.29	6.75	2.55						
November ..			3.01	2.13	1.80						
December ..			1.78	2.35	4.15						
TOTALS ..			27.63	38.85	29.69						

20

1902 Balcombe Church 1 mile S
House 60 ft high 150 ft N
1903 Balcombe Station 1 mile S

RAINFALL at Balcombe Highley ManorCounty of SussexObserver H. Fawcett Walkerley BarrowRiver Basin Quase 4

Rain Gauge, by _____

Diameter ...	8												
Height	1.6												
Altitude ...	420												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sum	
January ...	3.55	1.59	2.74	4.84	1.04	4.48	2.28	2.05	4.12	6.15		16.61	16.61
February ...	4.43	1.87	2.29	1.20	4.23	5.58	6.01	1.37	1.94	3.62		12.74	12.74
March	1.69	2.45	4.14	3.18	5.38	1.16	5.23	2.46	1.28	5.74		14.71	14.71
April	2.71	2.12	.10	3.36	1.77	2.15	2.00	2.71	4.07	2.94		12.32	12.32
May	2.83	1.28	1.56	2.65	1.39	5.47	3.63	2.21	1.40	.61		7.85	7.85
June	2.52	2.11	2.83	.50	.72	.85	2.82	2.28	1.05	1.28		7.43	7.43
July	3.53	.36	1.29	3.54	2.30	5.87	1.31	4.08	7.45	3.14		15.98	15.98
August	2.91	.96	7.31	1.85	1.53	2.99	4.52	8.44	1.39	3.90		18.25	18.25
September48	1.71	3.50	2.79	1.75	2.66	2.43	2.64	5.92	1.60		12.59	12.59
October ...	2.64	4.06	3.53	4.92	2.87	4.05	6.78	4.79	2.33	.93		14.83	14.83
November ...	4.76	6.53	2.34	4.18	6.01	4.20	6.01	2.15	3.31	3.10		14.57	14.57
December ...	5.02	7.45	3.23	1.79	9.51	9.94	4.43	3.45	3.44	7.36		18.68	18.68
TOTALS ...	36.57	32.49	34.86	34.83	38.50	49.40	47.45	38.63	38.30	40.37		164.75	164.75

1910 "Open station" 1916-18 rain. 20.1.20 21.1.22 22.1.22
 8. on open down with trees & shrubs in all directions.

Small

M.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Balcombe	1 1/2 m	S	Balcombe	1 m	SE

RAINFALL at Balcombe Highley ManorCounty of SussexObserver H. Faure Walker Esq. (B. T. Brooks)River Basin Ouse 4

Glaisher Rain Gauge, by

Diameter ...	8											
Height	1	6										
Altitude ...	420											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.	Total
January ...	4.75	3.91	6.42	2.25	3.19	3.66	4.21	3.04	5.00	1.51	4.11	42.05
February ...	1.23	1.05	3.62	6.99	1.05	5.30	3.55	5.63	1.98	.83	1.22	32.45
March	2.57	1.97	3.71	3.80	2.30	1.12	.51	3.97 ⁶	2.84	.01	1.78	24.57
April	3.04	1.59	4.96	3.86	4.27	3.27	4.22	2.41	2.41	1.21	2.31	33.55
May	1.05	2.23	1.09	4.38	5.48	3.20	1.68	1.21	1.63	2.17	3.04	27.16
June	1.57	.09	2.40	.60	4.33	.17	4.32	5.28	3.29	1.76	.77	24.58
July	7.71	.31	6.04	5.19	4.85	4.91	2.25	3.73	2.28	4.17	3.29	44.73
August	2.05	2.89	4.08	3.07	3.69	2.63	2.47	5.80	4.01	2.91	4.87	38.47
September...	4.73	1.05	2.66	2.52	3.57	2.88	.80	5.34	1.38	1.40	3.33	29.66
October	2.10	2.06	1.62	8.82	4.08	4.09	2.64	2.52 ³	7.39	4.29	2.10	41.72
November...	2.77	2.62	2.74	2.47	3.30	3.81	6.66	4.22	3.54	8.06	6.12	46.30
December...	3.79	3.31	5.81	4.73	4.84	3.76	.68	5.76 ²	4.20	6.98	2.98	46.34
TOTALS...	37.36	23.08	45.15	48.68	44.95	38.80	33.99 ^D	48.41 ^D	39.95 ^D	35.27 ^D	35.92 ^D	431.58 ⁴²⁶

1921 Open down with trees & shrubs in all directions, various heights from 60' to 6'.

1922. Gauge leaky, not printed.

1924. July. Defect in gauge rectified.

Position of Station on reduced Ordnance Survey } No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920			Balcombe	1 1/4 mi	S	Balcombe	1 mi	S E

RAINFALL at Balcombe (Highley Manor)County of SussexObserver Mr. B. T. BrooksRiver Basin Ouse H.for H. F. H. Walker, J. R.Type of Gauge GlaisherAnnual Average 34.2 in. based on 41 years obs. ~~un~~-weighted. Period of average 1881 - 1915 Ref. S

Diameter	8											
Height	1	6										
Altitude	420											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	2.70	2.80	2.80	2.88	1.39	3.87	7.17	4.36	5.56	2.71	3794	
February	2.48	.77	3.06	.29	3.97	2.48	6.17	1.25	1.91	3.34	2572	
March	.53	1.72	2.72	4.09	.60	2.23	4.15	.69	1.60	4.19	2252	
April	4.39	3.27	0.85	2.94	3.76	2.60	3.77	.34	3.02	1.72	2666	
May	3.57	3.90	2.18	.94	1.91	.82	2.42	2.95	2.17	2.02	2258	
June	1.73	1.87	2.39	1.46	3.44	3.89	1.49	.77	1.77	.38	1919	
July	3.82	3.83	2.36	2.53	1.06	4.91	1.06	2.63	3.03	3.15	2838	
August	4.32	.86	1.18	2.50	4.62	.62	2.21	2.17	3.04	.21	2173	
September	2.00	2.47	3.74	2.14	4.59	2.26	3.22	3.36	1.34	1.79	2711	
October	.68	8.17	2.32	2.69	5.13	2.00	3.36	4.26	5.05	5.07	3878	
November	5.06	1.63	1.43	4.68	7.33	8.15	2.70	4.35	7.05	9.84	4912	
December	.76	.95	0.81	9.55	4.69	3.01	4.96	(4.62)	2.30	2.51	3416	
TOTALS	32.04	32.24	25.84	36.59	42.44	35.24	42.68	31.95	37.84	36.93	35384	

1931 Trees & shrubs, 6' - 6.5' high, 12' - 20' (small) 50' (tall) S, E, & W. *plum*
 1938 Dec. 19th. 26th amended for snow.
 1939 Shrubs 50' away all directions.
 1940 22/6 Gauge moved 300 yds E. Garden Wall 60' - 90' all directions.

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			Balcombe	1 1/4 m.	S.	Balcombe	1 m.	S.E.

Station No. 525

RAINFALL at Balcombe (Highley Manor)

41

County of SussexObserver Mr. B. T. BrooksRiver Basin OuseFor. H. Lawrence Walker, J.P.Type of Gauge GlaisherAnnual Average 2.2 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. S.File No. E940/43

Diameter	8"											
Height	1' 6"											
Altitude	420'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.32	3.68	7.45	2.88	2.40	3.39	3.76	6.61	1.33	1.45	36.27	
February	4.62	.77	2.40	1.20	2.38	3.35	2.53	1.82	1.92	6.51	27.50	
March	3.96	3.52	.43	.14	1.90	1.49	7.90	1.25	1.25	2.21	24.05	
April	1.75	2.13	1.66	2.38	1.27	2.55	2.31	1.87	2.03	1.90	19.85	
May	2.82	3.63	3.58	1.16	2.37	3.41	1.87	2.96	2.25	1.60	25.65	
June	1.89	.19	2.08	2.17	2.84	3.51	3.31	3.52	.92	1.77	22.20	
July	2.48	2.41	2.65	3.26	6.27	2.45	2.18	1.52	.39	3.36	25.97	
August	5.38	4.09	1.87	2.78	2.48	6.77	.54	5.04	2.02	2.84	33.81	
September	.52	2.81	1.79	3.08	2.53	5.01	1.95	2.80	1.37	3.66	25.52	
October	1.45	5.27	3.85	5.40	4.46	1.35	.66	2.18	10.55	.75	35.92	
November	4.86	1.89	1.93	5.46	.30	6.75	1.74	1.98	3.92	8.28	37.11	
December	3.12	4.18	2.97	3.37	5.34	4.14	2.94	5.07	2.32	2.80	36.25	
TOTALS	36.17	34.57	32.66	33.28	33.54	44.17	31.69	36.62	30.27	37.13	350.10	

1941. Garden Walls 8' high 60'-00'

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.
1941			Balcombe	1/4	S	Balcombe	1 mile	SE

BRITISH RAINFALL ORGANIZATION

Station No. 525

RAINFALL at BALCOMBE (HIGHLY MANOR)

51

County of SUSSEX

Observer MR. B. T. BROOKS For H. Fausa - Vale

River Basin OUSE - A

Type of Gauge GLASSIER

Annual Average 34.2 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. 5

File No. E940/42

Diameter ...	8"			311	198							
Height ...	1' 6"				1							
Altitude ...	420'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Totals Means	
January ...	4.52	3.28	1.50	1.85	4.17	5.35	3.95	4.80	3.60	3.83	36.25	
February ...	7.95	.97	1.93	3.39	1.94	.57	5.38	2.73	11	2.45	27.42	
March ...	4.81	3.63	.41	3.97	1.46	1.29	1.90	2.67	2.32	2.26	24.92	
April ...	3.10	2.58	3.52	.47	.45	2.06	.19	1.33	2.87	1.04	17.61	
May ...	3.11	1.92	2.87	2.30	5.21	.45	1.51	2.92	.56	1.58	22.43	
June ...	2.12	1.57	2.21	3.97	2.30	3.26	1.73	4.44	1.29	2.39	25.28	
July ...	3.37	.86	4.88	4.07	1.01	3.68	4.47	1.84	1.22	4.56	29.76	
August ...	6.14	3.61	2.49	3.36	1.13	4.37	3.54	4.36	1.12	2.38	34.50	
September ...	3.57	3.83	5.40	3.10	2.26	3.93	3.92	4.33	.16	5.28	35.78	
October ...	1.77	4.09	4.54	3.43	4.81	2.04	2.01	3.60	4.15	8.39	38.83	
November ...	7.11	4.74	2.06	7.08	1.76	1.11	4.12	2.74	4.37	8.37	43.48	
December ...	3.99	3.39	1.21	2.44	3.91	5.94	3.17	4.84	8.38	4.59	41.86	
TOTALS ...	51.56	34.67	33.02	39.43	30.41	34.05	35.29	40.60	30.17	49.12	378.32	
	D	D	D	D	D	D	D	D	D	D		

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference 51/300318

Date.	Lat. N.	Long.	Railway Station.	Distance	Direction	Parish Church.	Distance	Direction
1952.			Balcombe	1 1/2 ml.	S.	Balcombe	1 ml.	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
	✓	✓	✓	✓	✓