

121 80

RAINFALL AT Castle Grounds, Reigate.

Lat.

Lon.

 County of Surrey.

Rain Gauge, by

 Observer H. G. Condliffe
G. Thame. Meas.

Diameter		5		5							
Height		1.		1							
Altitude		325		325							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January			1.61	3.17	2.58	2.52	4.10	2.13	1.08	1.78	
February			1.45	4.24	2.32	3.37	4.3	.76	1.91	2.86	
March			1.47	1.21	1.91	1.68	1.58	1.86	4.09	2.56	
April			2.99	1.36	1.57	1.54	1.67	1.86	2.15	2.65	
May			1.59	1.93	.57	3.37	4.15	1.79	1.05	2.60	
June			2.27	1.91	1.76	1.89	1.03	.66	4.73	.87	
July			2.86	2.72	1.51	.22	3.01	.74	5.45	2.15	
August			1.36	.86	.90	1.01	1.43	2.65	1.71	3.12	
September....			2.81	4.73	3.17	5.48	2.26	2.53	.80	1.03	
October			5.97	2.74	1.49	3.87	3.87	1.50	1.70	5.10	
November....			2.95	3.90	.89	3.09	3.76	4.44	4.28	.99	
December			2.66	.86	3.61	1.41	4.76	1.79	1.71	1.98	
TOTALS			29.99	29.63	22.22	29.45	32.05	22.71	30.66	27.69	

Reigate Ch. 1/2 mile S. by S.

1884 Tree 40ft high 36ft W.N.W.

1888 House 25 .. 40ft E

RAINFALL AT *Regate Castle Grounds*

Lat. _____

Lon. _____

County of *Surry*

Rain Gauge, by _____

Observer *W. Seal**5. Thames. mole.**F.D. Clark Esq. & Co.**W.H. Prescott Esq. & Co.*

Diameter	5											
Height	1.0			1.6								
Altitude	325 ft			350 ft								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.47	3.04	.58	2.36	4.56	2.25	.91	1.94	.83	3.07	2.301	
February ....	.85	.05	1.49	3.61	1.95	.28	.43	2.98	1.28	3.25	1.613	
March	2.75	2.19	1.41	.79	1.51	1.87	3.67	4.14	1.92	.82	2.107	
April	2.71	.74	1.15	.05	1.82	1.97	.78	1.80	1.13	3.11	1.526	
May	1.64	2.12	1.46	.83	1.85	.44	.23	1.39	3.68	1.50	1.514	
June	2.87	1.76	3.99	.87	2.88	.49	2.73	2.16	1.64	1.16	2.055	
July	4.72	4.21	2.08	3.03	5.31	5.43	1.41	1.08	.80	.78	2.885	
August	2.90	4.54	2.64	.71	3.07	2.65	2.55	2.89	1.27	.76	2.398	
September....	.86	1.13	2.17	1.63	2.01	.53	8.33	2.50	.47	3.05	2.268	
October	1.08	6.17	4.18	4.27	4.06	3.25	3.98	.62	3.87	2.40	2.288	
November....	2.04	3.22	2.94	2.90	4.98	5.69	1.64	1.30	3.89	5.43	2.403	
December ....	.74	3.71	1.92	2.85	2.31	2.78	4.09	3.44	3.06	1.55	2.645	
TOTALS	26.63	32.84	26.01	23.90	36.31	27.63	30.75	26.24	23.84	26.88	28.103	

1890 *St Mary's* 1/2 mile E.S.E

House 25 ft high 40 ft E

Tree 45 " 40 " W

RAINFALL AT *Reigate Castle grounds*

Lat.

Lon.

County of *Surrey East**Swindon* Rain Gauge, by *N. J.*Observer *F. T. Clayton Esq. Ch.**5/Thames. mole.*

Diameter ..	5										
Height	1	6									
Altitude ..	350 ft		325 ft	350 ft	325 ft		350 ft				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	4.37	1.53	1.00	2.69	4.83	1.29	4.22	1.22	1.73	1.10	
February ..	4.84	2.10	1.37	2.14	3.45	.95	2.81	1.78	1.17	.49	
March ....	.86	2.41	1.99	3.30	1.68	3.53	1.01	1.06	3.05	3.03	
April	1.38	2.34	1.17	2.41	1.70	1.73	.33	4.12	2.65	1.84	
May	1.35	1.20	3.05	2.99	2.84	.67	1.35	2.28	2.16	1.72	
June	2.94	1.98	3.89	5.37	1.85	4.23	1.93	1.73	2.09	2.64	
July	1.34	1.81	2.27	3.70	1.05	.82	.53	2.39	3.20	3.93	
August	3.07	2.76	3.59	4.34	1.83	2.93	.79	3.20	3.69	2.40	
September..	1.32	2.60	.84	3.46	1.48	2.55	(1.50)	.50	1.85	3.18	
October....	2.29	2.13	2.46	7.50	2.59	1.37	(4.00)	3.88	2.07	4.72	
November..	3.26	.73	2.65	2.45	1.50	4.25	(5.00)	3.36	.87	.88	
December ..	3.54	4.98	1.59	2.42	3.15	.70	2.15	3.46	2.83	3.63	
TOTALS ..	30.56	26.57	25.87	42.77	27.95	25.02		28.98	27.36	29.56	

D D D D D

1906 St Mary's Church 3/4 Furlong S.E.

St Mark's " 3 " NE

Reigate Station 2 " N

* 1906 Sep-Nov. Record useless owing to obs's absence to.

1909 House 20 ft high 18 ft E

* Some rough estimates made for an enquiry Oct 1972

RAINFALL at Reigate Castle GroundsCounty of SurreyObserver F. J. Clayton Esq C.E.River Basin Thames Mole 5Rain Gauge, by N.F.F.Howard (1881)Surrey 1917 ^{12.13} 1*3

Diameter ...	5											
Height	1 6											
Altitude ...	350 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sums
January ...	2.17	1.44	2.70	4.01	.77	3.76	1.22	1.48	3.35	3.77	2.487	9.82
February ...	3.50	1.42	2.12	1.12	4.30	4.41	4.25	1.02	1.50	2.52	2.616	9.29
March	1.06	1.87	4.18	2.79	4.73	.67	4.57	2.17	.90	4.01	2.695	11.65
April	1.74	1.89	.03	2.88	1.04	1.24	.98	2.73	4.03	3.20	1.976	10.94
May	2.24	2.95	1.45	1.93	1.12	2.85	2.72	1.75	1.49	.17	1.867	6.73
June	1.87	2.67	3.51	.40	.57	.82	2.23	1.65	.71	1.00	1.543	5.59
July	3.15	.28	1.37	3.95	2.18	3.49	1.09	4.25	5.17	1.98	2.731	12.09
August	3.13	.35	5.48	2.14	1.48	1.87	3.60	5.09	1.43	2.46	2.703	12.58
September ..	.77	1.28	3.11	1.70	1.09	2.74	1.86	2.17	4.97	1.16	2.085	10.16
October ...	2.50	3.88	3.11	4.32	1.84	2.35	5.02	3.45	1.60	.69	2.876	10.76
November ..	3.13	4.63	2.53	2.67	3.79	2.06	5.49	1.52	2.31	1.87	3.000	11.19
December ...	3.69	6.44	3.17	1.46	7.67	5.93	3.04	2.46	2.52	4.82	4.120	12.84
TOTALS ...	28.95	29.10	32.76	29.37	30.58	32.79	36.07	29.74	29.98	27.65	30.699	123.44

1711 Hedge 5 ft high 10 ft S
 Roman 50" 20" E
 New 50" 50" SE

+ Inspected by H.B. 19.12.13. Howard funnel in stone jar fixed in
 Kitchen garden of H.B. Gardner's cottage in highest part of Castle Grounds.
 Fair exposure.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.14 N	0.12 W	Reigate	2 7	N	St Mary's	3 1/2	N.N.E

RAINFALL at Regate Castle GroundsCounty of SurreyObserver F. T. Clayton Esq. C.E.River Basin Thames - Mole &Engineer (Regate)Snowdon Rain Gauge, by N. & G.(Regate Bow Council)

Total

Diameter ...	5"												
Height	1 6											1-0.	
Altitude ...	350												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930		Mean
36.24	January ...	3.26	2.63	3.63	1.83	3.26	3.22	3.69	4.36	4.84	1.84	3.65	3.30
23.29	February ...	.66	.16	2.63	4.15	.83	4.25	3.21	3.79	2.08	.56	.97	2.12
19.75	March	1.75	1.52	2.38	2.16	1.74	.80	.53	4.13	2.46	.04	2.19	1.79
30.17	April	3.16	1.20	3.59	2.60	3.86	3.58	4.68	2.35	2.24	1.16	1.75	2.74
24.23	May .....	.90	1.50	.90	3.25	3.66	2.66	2.00	1.46	2.45	2.67	2.78	2.20
21.86	June	1.53	.08	1.56	.37	3.19	.17	4.21	5.24	3.25	1.76	.50	1.99
32.10	July	5.34	.19	3.45	3.72	3.91	4.00	2.19	2.85	1.46	1.82	2.87	2.92
31.51	August	1.57	1.53	2.84	2.45	3.85	3.01	2.62	5.03	2.95	2.86	3.25	2.87
26.87	September...	3.42	.94	1.78	1.87	3.34	2.95	1.04	6.35	.85	.18	4.15	2.44
34.25	October	1.10	1.04	1.00	7.09	3.75	3.64	2.47	2.53	6.13	5.76	1.74	3.11
39.39	November...	2.02	1.52	2.13	2.02	3.50	3.10	6.85	3.03	3.02	6.97	4.93	3.58
38.36	December...	2.80	1.90	4.68	3.07	3.86	3.35	.56	4.81	3.48	7.16	2.39	3.47
358.02	TOTALS...	27.51	14.51	30.57	34.58	38.75	34.73	34.05	44.03	35.84	30.88	31.17	32.55
		D	D	D	D	D	D	D	D	D	D	D	

1920 Hedge 5 ft high 10 ft S.

House 30 " " 30 " E

Tree 50 " " 50 " S.E.

Gauge inspected 1918.

Inspected 21/8/29 see green file

1930. G. read in winter 9 a.m.

" " Summer 10 " "

1930. New gauge

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	51° 14'	0° 12'	Regate	1/4 mi	N.	St. Marks	3 fms.	N.
1930.					N.N.E.	Regate	80 yds.	E.S.E.

RAINFALL at Reigate (Castle Grounds)

County of SurreyObserver F. T. Clayton, Esq., C.E.River Basin Thames Mole & C. 5G. G. Sanderson, Esq., B.C.Type of Gauge SnowdonAnnual Average 29.3 in. based on 48 years obs. un-weighted. Period of average 1881-1915 Ref. I.H.S.
29.7 compiled by M. Corriale (1920) 29.920427/40 673426/26

Diameter	5											
Height	1 0											
Altitude	250											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Total	Mean
January	2.20	2.82	2.23	2.11	1.36	5.43	5.60	3.67	5.32	2.77	3351	
February	2.20	.65	2.73	.37	3.41	1.94	4.55	.96	1.62	2.54	2097	
March	.37	1.65	3.63	2.48	.56	1.67	3.55	.33	1.58	3.20	1902	
April	4.78	2.56	.68	2.72	3.60	1.88	3.20	.09	3.10	2.33	2494	
May	3.13	4.71	2.24	.59	1.72	.76	2.50	1.82	1.46	1.74	2067	
June	1.57	1.57	2.20	.98	5.17	3.87	2.10	.62	1.35	.32	1975	
July	3.13	2.60	1.77	3.08	.88	4.11	1.66	2.14	2.65	2.65	2467	
August	5.46	.99	.88	2.15	3.91	.66	1.87	1.97	2.58	.08	2025	
September	1.94	2.10	2.76	1.75	4.20	2.44	2.13	2.62	1.90	1.94	2372	
October	.65	6.65	2.31	2.45	4.05	2.07	3.37	3.27	6.47	3.26	3465	
November	3.71	1.43	1.08	3.19	5.77	4.54	1.96	4.00	5.28	7.91	3887	
December	.78	.65	.56	7.77	4.08	3.28	4.25	3.91	1.83	1.66	2877	
TOTALS	29.92	28.38	23.07	29.64	38.71	32.65	36.44	25.50	35.14	30.40	30985	

1921. Battle Keep 30' - -

1932. Cottage 30' high 35' E.

1936. House 30' high, 40' E. Ash Tree 55' high, 60' N.W.

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.			Reigate	600 yds	N.N.E.	Reigate	800 yds	S.E.

Station No. 121

RAINFALL at Reigate (Bastle Grounds)

41

County of Surrey

Observer J. J. Sanderson, Esq., B.E.

River Basin Wharfedale, Mole, 2.5

Type of Gauge. Stevenson

Annual Average 29.3 in. based on 48 years obs. un-weighted. Period of average 1881-1915. Ref. I.V.N.5.

File No. 673426/26

Diameter	5"			285	224							
Height	1' 0"				1		1 6		2' 0"			
Altitude	350'				41		326		320			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Totals	Means
January	2.53	3.25	5.71	1.92	2.25	2.63	2.52	4.29	1.21	1.06	27.37	
February	3.01	.76	1.49	.95	1.83	2.52	1.99	2.05	1.31	4.80	20.71	
March	3.71	1.90	.42	.16	1.38	1.45	6.27	.69	1.21	1.43	18.62	
April	1.81	1.64	1.12	1.76	1.09	2.82	2.00	1.70	1.70	2.97	18.61	
May	1.90	3.62	2.57	.56	1.81	2.57	1.49	1.63	2.07	1.54	19.66	
June	2.46	.13	2.03	1.60	2.18	2.44	2.75	2.55	.91	1.80	18.85	
July	3.39	2.04	1.87	2.40	2.78	3.33	1.26	1.44	.80	2.94	22.25	
August	4.28	3.02	1.33	2.56	1.78	4.48	.53	3.83	1.21	2.57	25.59	
September	.41	2.46	2.00	2.34	2.08	3.53	1.33	1.62	.50	3.37	19.64	
October	1.31	3.99	3.82	4.27	4.31	1.13	.21	1.98	6.79	.16	27.97	
November	3.43	1.78	1.79	4.78	.29	4.91	1.15	2.09	2.67	7.06	29.95	
December	2.59	3.24	2.14	2.30	3.37	3.13	2.62	4.11	1.47	1.99	26.96	
TOTALS	30.83	27.73	26.29	25.60	25.15	34.94	24.12	27.98	21.85	31.69	276.18	✓

1941. House 30' high 40' E. Ad. tree 55' high 60' NW.

1948 slightly low - water near gauge.

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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			Reigate	1/4 mile	NNE	Reigate	730 yds	SE

BRITISH RAINFALL ORGANIZATION

A.M. Form 1903. Air Ministry, Meteorological Office.

Station No. 121

RAINFALL at REIGATE (Castle Grounds)

51

County of Surrey

Observer G. G. Sanderson Esq. C.E.

River Basin S. Thames - Mole &c.

Borough Engineer & Surveyor

Reigate U.D.C.

Type of Gauge Standard on tripod, 16.5 in. 3-plated brass.

Annual Average 29.3 in. based on 48 years obs. un-weighted. Period of average 1881-1915 Ref. 1885

File No. 473426/26

Diameter ...	5"			285	224						
Height ...	2' 0"				1						
Altitude ...	320'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.30	2.12	1.31	1.57	3.02	4.54	2.18	3.31	3.19	2.59	27.07
February ...	6.29	.79	1.36	2.11	1.61	.39	4.09	2.54	.11	2.26	21.55
March ...	3.71	3.21	4.2	2.49	1.44	.92	2.08	1.90	2.21	1.81	20.19
April ...	2.89	1.54	2.38	.35	.34	2.25	.26	1.03	2.40	0.97	14.44
May ...	2.62	1.75	1.82	2.27	3.86	.34	1.37	2.30	.86	1.46	18.65
June ...	1.20	1.65	1.86	4.31	2.09	2.97	1.39	3.90	2.27	1.54	23.18
July ...	2.48	.77	3.68	3.30	1.84	4.37	3.75	1.92	.91	3.33	26.35
August ...	4.40	2.93	1.66	2.58	1.26	2.91	2.58	3.23	1.18	3.09	25.82
September ...	2.83	2.47	3.76	2.02	2.03	2.45	2.43	4.87 2.72	.11	3.19	28.16
October ...	1.10	3.26	3.89	2.51	4.67	1.32	2.88	3.65	2.92	6.08	32.88
November ...	6.53	3.36	1.66	5.54	1.32	.88	2.83	2.17	3.08	4.88	32.25
December ...	3.18	2.30	.66	2.60	2.85	4.04	2.03	3.64	4.89	3.07	29.26
TOTALS ...	40.53	26.15	24.46	31.59	26.33	27.38	27.87	26.46 33.76	24.13	34.87	299.77
	D	D	D	D	D	D	D	D	D	D	

1951 Castle keep 30', 40 yds E; Ash tree 55', 60' NW: (invaluable)

Map 10.54 Old Rowle, M. Chelver. Bagley bank at junction of gravel & delivery tracks. Overhauled by lines to W. & NW - N.E. (see over). No other site available
1959 low but point.

gauge overhauled

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference T.9. 62265

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1921			Reigate	1/4 m. N.W.	Reigate	700 yds S.E.

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
	✓	✓	✓	✓	