

RAINFALL AT

Royston Earls Hill House

Lat.

Lon.

County of

Herts

Rain Gauge, by N. 7. N. 19

Observer

J. Phillips Esq. J.P.

Mr W. G. Jones

Ch. - Chase

Diameter ..							8				
Height ...							1.1				
Altitude ..							225				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							2.70	.93	1.03	.79	
February ..							1.91	1.34	1.14	.34	
March							2.07	.93	2.53	2.96	
April							1.00	2.93	2.93	1.38	
May							1.18	3.26	1.30	1.65	
June							3.49	1.45	1.98	3.83	
July .....							.66	2.28	3.08	3.66	
August							1.07	2.35	2.17	2.22	
September ..							1.08	.72	1.29	2.06	
October							3.63	2.67	1.12	4.07	
November ..							4.08	2.18	.87	.81	
December ..							2.44	3.04	1.76	2.96	
TOTALS ..							25.31	24.08	21.20	26.73	

1906 Royston Church 363 yards E

" Station 640 - N

Wall 9' 9" high 14' 6" - N

- 60 - 310 - W

RAINFALL at Roydon Earls Hill HouseCounty of HertfordshireObserver J Phillips EsqRiver Basin Ouse 4Rain Gauge, by N°3 N°1619

Diameter ...	8											
Height	1.6									1	3	
Altitude ...	225 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	1.61	1.31	3.57	2.72	1.03	3.16	1.01	1.56	2.18	3.90		Total 16.19 8.65
February ...	2.31	1.02	1.26	.69	1.67	2.77	3.68	.61	.77	3.29		8.35
March .....	.93	2.12	3.00	2.10	3.37	1.72	4.43	1.58	.73	2.42		9.16
April	2.36	.89	.19	1.97	.99	.92	1.27	1.44	3.33	3.87		9.91
May	3.07	1.39	1.63	1.87	1.04	1.84	2.89	2.50	1.87	.30		7.56
June	1.65	2.22	3.45	1.37	1.70	1.23	2.24	2.69	.72	1.43		7.08
July	1.81	.38	1.79	2.47	2.56	3.57	1.39	5.31	2.54	3.28		12.52
August	1.52	.67	6.07	1.01	1.05	3.14	2.76	4.49	.95	2.43		10.63
September ..	1.10	1.12	2.26	1.95	.84	1.37	.68	1.58	5.68	1.08		9.02
October ...	2.71	2.50	1.99	3.08	1.93	1.64	2.40	3.75	1.16	.56		7.87
November ..	3.41	2.63	1.94	1.77	3.00	1.97	3.40	1.38	2.10	1.74		8.62
December ...	3.98	4.29	2.47	.98	6.27	3.90	2.66	.72	2.08	3.95		9.41
TOTALS ...	26.46	20.54	29.62	21.98	25.48	27.23	28.81	27.61	24.11	28.25		108.78
	3	2	2	2	2	2	2	2	2	2		108.78

1910. Wall 9.645 ft high 39.14 ft soft E.N.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Roydon S.N.C.	1/2 mile	N	Roydon	300 yds	E

RAINFALL at Royston Earle Hill HouseCounty of HertfordshireObserver J. Phillips Esq died 24.10.25River Basin Guse HC. E. M. Phillips DSOGlaisher Rain Gauge, by H. J. N^o 1619

Diameter ...	8	8											
Height	1	3	1	3									
Altitude ...	225	225											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930		
January ...	2.25	2.36	2.49	1.24	2.51	.98	2.50	2.42	2.72	1.45	2.32		Totals
February ...	.32	.20	1.73	2.85	.62	3.16	2.39	3.27	1.36	.69	.53		23.24
March	1.33	1.29	1.92	1.91	.79	1.20	.20	2.06	1.24	.07	1.47		17.20
April	3.36	1.38	2.84	1.34	2.69	1.39	3.00	1.75	.94	1.64	1.95		13.48
May	1.74	1.14	1.35	1.25	4.36	2.22	2.14	1.10	1.68	1.66	2.81		22.28
June	1.34	.64	1.04	.68	2.00	.31	2.51	2.37	2.02	1.09	1.00		21.46
July	3.46	.27	3.98	2.63	4.00	2.36	2.76	2.46	2.46	2.71	2.72		15.20
August	1.02	.84	2.61	4.02	2.07	2.40	1.20	3.03	2.28	.59	2.38		29.81
September...	2.11	1.28	2.65	2.41	2.87	2.64	2.09	4.30	.63	.24	4.15		22.44
October .....	.72	.78	.76	3.53	3.77	2.96	2.48	1.62	2.94	3.15	1.03		25.37
November...	.75	1.68	1.27	1.34	2.66	1.80	3.45	2.57	1.74	4.79	4.19		23.74
December...	1.75	1.36	1.97	2.15	2.90	1.59	.34	2.71	2.49	4.33	2.69		26.26
TOTALS...	20.15	13.30	24.61	25.35	31.24	23.02	25.06	29.86	22.50	22.41	27.24		24.28
	D	D	D	D	D	D	D	D	D	D	D		47.2

1920. Walls 9-6.8 ft high 39.14.30.41 E. N. W.

1930. G. read 9 am winter & summer.

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			Royston	1/2 mile	N.	St. John Baptist	300 yds	E.

RAINFALL at Rayston (Earls Hill House)County of HertfordshireObserver Col. E.C.M. Phillips, D.S.O.River Basin Ouse - 4Type of Gauge Glaisher No. 211619Annual Average 23.6 in. based on 27 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S

Diameter	8											
Height	1.3											
Altitude	225											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	1.85	1.16	1.18	1.49	2.02	3.31	3.85	2.53	4.46	1.82	23.67	
February	1.97	.87	1.93	.50	2.19	2.14	2.94	.43	.58	1.73	14.78	
March	.17	1.80	1.61	1.63	.65	.72	3.84	.36	2.08	2.92	15.68	
April	3.23	2.33	1.03	1.78	2.81	1.53	2.67	.35	2.98	1.47	20.18	
May	2.54	4.59	1.85	.63	1.36	.78	2.72	2.30	1.49	1.25	19.51	
June	1.49	.73	2.03	1.22	2.78	4.57	2.19	.61	1.72	.38	17.72	
July	4.96	1.81	.80	1.87	1.39	5.39	2.38	1.29	1.61	4.16	25.66	
August	3.94	2.41	1.19	1.92	1.05	.48	2.45	1.92	2.62	.16	18.14	
September	2.26	1.66	2.60	1.27	3.68	3.08	2.02	2.34	1.73	.47	21.11	
October	.69	4.21	1.70	1.82	2.39	1.47	2.97	2.61	4.62	2.25	24.73	
November	2.58	1.73	1.40	2.00	3.82	2.90	1.82	2.56	3.47	6.58	28.87	
December	.70	.38	.48	3.34	2.20	1.57	2.75	3.09	1.13	1.46	17.10	
TOTALS	26.38	23.18	17.80	19.47	26.25	27.94	32.60	20.39	28.49	24.65	247.15	

1931. Walls. 6 ft high 14 ft. N.

9 " " 39 " E.

8 " " 30 " 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Rayston	1/2 mi.	N.	St. John Baptist	1/4 mi	E.

Station No. 982

RAINFALL at Rayston (Kears Hill House)

41

County of HertfordshireObserver Col. E. B. M. Phillips R.S.O.River Basin Great OuseType of Gauge Glaisher M.S.Z.Annual Average 23.1 in. based on 27 years obs. ~~un~~-weighted. Period of average 1891-1915 Ref. S.File No. E.430/43

Diameter	8"			182	564							
Height	1' 3"				1							
Altitude	225'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.27	2.32	4.21	1.33	1.98	1.46	1.43	3.42	1.20	1.02		20.64
February	1.92	.98	1.03	.95	1.29	1.96	1.59	.88	1.26	3.04		14.70
March	3.13	1.21	.61	.25	.60	1.45	4.75	.88	.96	.52		14.36
April	1.26	.80	.93	1.46	.96	1.36	1.93	1.45	1.65	1.75		13.53
May	2.12	2.21	1.78	1.18	2.26	2.26	.87	3.16	1.90	2.49		20.23
June	.85	1.72	2.52	1.28	1.80	3.13	2.03	3.16	.95	1.19		18.63
July	2.10	2.65	.61	1.54	2.85	2.98	2.04	1.35	2.56	5.56		24.20
August	3.64	1.17	1.78	2.20	1.72	3.19	.02	4.36	.88	3.20		22.16
September	1.01	1.06	1.14	2.81	2.90	2.65	1.01	1.80	.38	2.74		17.50
October	2.54	3.44	2.24	3.47	2.32	1.52	.20	2.13	4.00	.37		22.23
November	2.41	2.24	1.22	3.07	.24	4.70	1.15	1.31	2.31	4.40		23.05
December	1.32	2.12	1.11	.97	2.55	1.84	2.78	1.92	1.56	1.24		17.41
TOTALS	24.57	21.92	19.18	20.51	21.47	28.50	19.80	25.82	19.61	27.52		228.90

41 Wall 6' high 14' N. Wall 9' high 39' E. Wall 8' high 30' 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 from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Rayston LNER.	1/2 mi	N.	St John Baptist	400 yds	E.

Station No. 987

RAINFALL at ROYSTON (KELLS HILL HOUSE)

51

County of HERTFORDSHIRE

Observer Col. E. C. M. PHILLIPS D.S.O.

River Basin GUSE - K

Type of Gauge GAIRINGER

Annual Average 23.6 in. based on 27 years obs. un-weighted.
24.27 " " 35 " " 1916-1950Period of average 1881-1915 Ref S
1916-1950 Ref P
File No. 2420/43 P

Diameter ...	8"			182	564						
Height ...	1' 3"				1						
Altitude ...	225'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.73	1.65	.89	.84	2.44	3.30	1.17	2.41			
February ...	4.04	.59	1.64	2.02	1.55	.80	2.35	2.67			
March ...	3.20	3.51	.48	2.25	1.39	.65	1.19	1.15			
April ...	2.47	1.15	2.15	.23	.54	1.34	.26	1.07			
May ...	2.63	2.07	1.80	2.63	3.58	.44	1.10	2.43			
June ...	1.16	1.33	1.82	2.07	2.09	2.63	2.30	6.91			
July ...	1.28	.69	2.54	2.90	.26	2.67	2.68	1.23			
August ...	4.46	4.72	2.45	3.12	1.55	4.00	2.36	2.43			
September ...	2.12	2.78	2.40	1.41	1.55	2.06	3.20	2.68			
October ...	1.11	2.22	2.84	2.00	3.02	1.48	2.04	2.52			
November ...	3.83	3.34	1.58	4.03	1.34	1.06	2.02				
December ...	1.65	1.96	.58	1.96	2.05	2.89	2.17				
TOTALS ...	30.68	26.01	21.17	25.51	21.36	23.22	22.84				
	D	D	D	D	D	D	D				

1951 2 walls 12' x 24' N+S exp.
 Inspected 17.12.52 Mr. P. H. G. Deedes. Gauge not tested. Measure flat-bottomed. Site satisfactory.
 1918 - Terminated - have cold.

Position of Station on Ordnance One-Inch map :

No. of Map 168

National Grid Reference T. (10) 55 60X

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.
1951			Royston	1/2 mile	N	Royston	1/2 mile E

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
	✓	✓	✓	✓	