

RAINFALL AT *Witchin, Preston*

Lat. _____

Lon. _____

County of *Herts*

Rain Gauge, by _____

Observer *P. de V. Pryor Esq*

3. Thames. Sea.

Diameter										8	
Height										2 5	
Altitude			454				480K			480K	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....			.87	1.48	1.90	2.17	.64	2.57	.62	2.22	
February			1.23	3.44	1.14	.21	.44	2.36	1.11	1.80	
March			1.04	.49	.91	1.96	3.19	3.16	1.33	.64	
April .....			.75	.17	1.59	1.20	.63	1.54	1.23	2.57	
May			1.50	1.10	1.49	.81	.35	1.33	3.36	2.12	
June			2.36	.57	1.98	.64	1.84	2.39	1.71	1.18	
July			2.80	2.84	2.07	4.90	.98	.20	1.06	1.55	
August			2.67	2.31	4.01	4.56	2.27	2.46	1.29	1.32	
September...			2.84	.69	2.03	.76	6.66	1.91	.40	2.12	
October.....			3.32	3.97	2.68	2.44	3.67	.73	2.72	3.18	
November...			1.55	1.97	4.80	3.31	1.10	1.01	2.34	3.28	
December...			1.38	2.13	1.76	1.77	3.28	2.20	2.50	1.54	
TOTALS			22.31	21.16	26.36	24.73	25.05	21.86	19.67	23.52	

S. Ippolyte Church 1 1/4 Miles E

Tree 8 feet high 12 ft 5

1895 Aug. moved from "The Cottage" to "The Labyrinth"; distance not stated

RAINFALL AT Hitchin Preeton HallLat. Lon. County of HertsRain Gauge, by Observer R. de V. Pryor Esq3 - Thames - Sea.

Diameter ..	8										
Height	2. 5										
Altitude ..	480 N										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.16	.85	.64	2.31	2.51	1.32	3.63	.94	1.35	.76	1.747
February ..	5.03	1.14	.96	.95	2.93	.95	1.99	1.26	1.18	.38	1.677
March ....	.80	2.31	1.56	3.22	1.46	2.88	2.03	.85	2.99	3.15	2.125
April	1.08	2.34	.76	1.46	.96	2.06	.72	2.62	3.50	1.75	1.725
May	1.23	1.32	1.87	2.61	1.82	1.40	1.03	3.16	1.46	1.29	1.719
June	2.69	1.07	2.82	5.60	.97	3.57	3.78	2.51	.90	4.04	2.795
July	1.10	1.64	2.14	3.61	2.61	1.56	.84	1.68	3.22	3.46	2.186
August	2.87	1.82	2.69	3.63	2.78	3.77	.98	1.90	2.67	1.74	2.485
September..	.48	.82	1.02	2.09	1.26	2.21	1.32	.53	1.63	2.17	1.353
October....	2.30	1.91	1.43	5.95	1.18	1.49	3.92	3.87	1.82	4.47	2.834
November..	2.15	1.07	1.42	2.13	1.48	2.59	4.00	2.30	.88	.97	1.899
December ..	2.84	3.58	.95	2.04	2.01	.67	2.64	3.23	1.92	3.25	2.313
TOTALS ..	25.73	19.87	18.26	35.60	21.97	24.47	26.88	24.85	23.52	27.43	24.858

Hitchin Church 3 miles N

Station 4 N

Nearest objects fruit trees 'well out of the way'

1907 St Martin's Preeton (Chapel place) 1/4 mile N.N.W

RAINFALL at HitchinCounty of HertfordshireObserver R de V Payer EsqRiver Basin Thames Lea 3Rain Gauge, by NT3

Diameter ...	8										
Height	2 6										
Altitude ...	480 ft										1916-19
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Means.
January ...	1.74	1.22	3.49	2.55	1.03	3.31	1.31	1.52	2.74	4.28	985
February ...	2.77	1.29	1.91	.86	2.25	2.90	3.68	.72	.96	2.66	8.02
March .....	.88	1.91	2.74	2.19	4.06	1.37	4.74	1.55	.95	3.10	10.34
April	2.55	1.20	.03	2.77	1.04	.95	1.42	1.63	3.62	3.15	982
May	2.49	1.83	1.44	1.91	1.06	2.27	1.99	1.80	2.10	.47	636
June	2.60	2.14	2.53	1.33	1.73	.64	2.59	2.48	.68	1.18	723
July	1.61	.40	4.85	1.41	1.56	3.93	1.92	4.81	2.75	2.69	12.17
August	2.06	1.59	5.33	1.15	1.17	2.94	2.89	5.69	.88	2.73	12.19
September ..	1.00	1.19	2.19	1.57	.85	1.81	1.29	2.73	5.31	1.20	10.53
October ...	2.49	2.45	2.19	3.41	2.37	1.75	3.37	4.74	1.51	.95	10.57
November ..	3.43	2.92	1.96	2.36	2.77	2.11	3.72	1.15	2.30	1.83	9.00
December ...	4.40	4.56	2.59	1.04	6.77	4.78	2.94	.68	2.45	4.58	10.65
TOTALS ...	28.05	22.69	31.25	22.55	26.99	28.76	32.16	29.50	26.25	28.82	116.73
	2		2	2	2	2	2	2	2	2	

1910 "Gauge stands quite clear"
 1911 "Gauge" - moved 38 ft S
 clear braded fence 4 ft high 16 ft 5

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.55	0.17 W	Hitchin	3 1/2 m	NNE	St. Mary's Church of the Holy Trinity St. Mary's	300 yds 2 1/4 m	N W

RAINFALL at Hitchin, PrestonCounty of HertfordshireObserver R. de V. Pryor Esq.River Basin Thames - Lea 3(1924) Glaisher Rain Gauge, by No. 17.

Diameter ...	8	8							8		
Height	2 6	2 6							1 0		
Altitude ...	484	480							484		480.
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930.
January ...	2.20	2.02	2.92	1.42	2.75	1.60	3.19	2.69	3.52	1.71	2.92
February ...	.50	.22	2.32	3.63	.97	3.80	2.77	3.60	1.64	.62	0.59
March	1.77	.88	1.89	2.27	.75	1.28	.30	2.20	2.07	.05	1.69
April	3.89	1.26	3.01	1.89	2.68	1.66	3.52	1.79	1.03	1.63	2.16
May	1.34	1.30	1.48	1.26	4.91	2.42	1.91	.91	1.49	1.88	2.54
June	1.56	.29	1.32	.65	2.28	.19	3.01	2.85	1.81	.88	0.32
July	4.01	.23	4.17	4.05	4.58	2.66	2.90	2.15	2.62	1.24	2.66
August	1.25	.95	2.40	2.60	2.82	2.96	1.03	2.87	2.75	.44	2.33
September...	2.06	1.78	2.68	1.76	3.62	2.78	1.61	4.74	.52	.15	3.91
October.....	1.55	.72	.71	4.40	4.33	3.10	2.32	2.13	3.52	3.76	1.13
November...	1.61	1.98	1.40	1.86	3.47	1.96	4.27	2.87	2.46	5.65	4.61
December...	1.79	1.68	2.75	2.37	3.20	1.74	.40	3.05	2.81	4.34	2.30
TOTALS...	23.53	13.31	27.05	28.16	36.36	26.83	27.23	31.85	26.24	22.35	27.16
	D	D	D	D	D	D	D	D	D	D	D.

1920. 4 times 4 ft high 20 ft 8.

1921. Gauge moved 12 days north.

" North from 6 ft high 30 ft north.

1929 " " 52' " 10' N

1930 Inspected 7/4/30. Glaisher gauge found leaking
Exposure excellent. New gauge recommended

Since 5'6" high 28' N.

G. read 9 am in winter, 10 am in summer.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 55'	0° 17'	Hitchin	3 1/4 mi	N	Hitchin St. Mary's	2 1/4 mi	N.
1930				3 1/2 mi	N.	St. Paul's Walden	1 1/2 mi	S

RAINFALL at Hitchin (Preston)County of HertfordshireObserver R. de V. Pryor, Esq.

River Basin Thames - Lea - 3

Type of Gauge Glaisher

Annual Average 25.2 in. based on 41 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S.

Diameter	8										
Height	1.0										
Altitude	484			480						484'	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means 1931-40
January	1.28	1.79	1.51	1.70	1.27	3.32	4.45	3.28	5.38	2.27	26.25
February	1.99	.30	1.83	.70	2.99	2.30	3.57	.50	.71	1.80	14.69
March	.11	1.80	2.16	2.03	.43	1.09	3.65	.41	1.78	2.93	16.38
April	3.19	2.17	0.98	1.44	3.35	1.22	3.43	.07	2.88	1.56	20.29
May	2.55	4.72	1.86	.75	1.90	.88	3.30	1.99	1.71	2.18	21.84
June	1.62	.79	3.14	1.12	2.88	3.98	1.58	.59	2.35	.82	18.87
July	4.38	2.17	1.21	1.26	.51	4.83	3.18	2.28	2.06	2.55	24.83
August	4.05	3.57	0.70	1.90	1.47	.29	1.50	3.47	4.48	-.06	21.49
September	2.37	1.40	2.08	1.34	3.63	2.74	2.06	1.55	1.12	.77	19.06
October	.56	(4.32)	1.28	1.86	2.62	1.56	2.55	3.10	4.48	3.11	25.44
November	2.81	1.56	1.45	1.77	4.62	3.49	1.74	3.38	4.13	7.09	32.02
December	.96	.62	0.46	4.30	2.59	2.09	2.82	3.73	1.36	1.46	20.39
TOTALS	25.87	25.21	18.63	20.17	28.26	27.79	33.83	24.35	32.44	26.60	263.15

1931 Wooden Fence 5 ft. high 15 ft. N.

1938 " " " " " 12' "

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	Parish Church.	Distance from gauge	Direction
1931			Hitchin	5 1/2 mi.	N.	St. Eppolys	1 1/2 mi.	N.E.
1934						King's Walden	1 1/2 mi.	W.

Station No. 968.50

RAINFALL at Hitchin (Preston Hill Farm) (1945) 5147

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County of HertfordshireObserver R. de I. Pagon Esq.River Basin Thames Sea 3J. H. Haybrick (115)Type of Gauge LydshamAnnual Average 25.2 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. 8790.34.22

Diameter	8"			240	782							
Height	1' 0"				1							
Altitude	484'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.46	2.65	4.39	1.66	..	1.12	1.35	4.27	1.23	.83	22.46	
February	2.10	.84	1.18	1.12	..	1.73	1.77	.71	1.12	3.60	15.82	
March	3.02	1.22	.53	.18	..	1.11	5.12	.84	1.10	.56	14.18	
April	1.20	1.09	1.08	1.80	99	.88	1.57	1.28	1.53	1.74	13.16	
May	1.89	2.96	2.07	1.17	1.75	1.87	1.06	2.26	1.93	2.39	19.25	
June	1.01	.34	1.76	1.55	1.68	2.25	1.25	2.95	.76	1.14	14.99	
July	4.44	2.43	1.01	1.20	2.37	1.86	1.44	1.10	.86	5.42	22.13	
August	4.51	2.06	1.72	2.29	1.49	3.41	.01	2.50	1.40	3.53	22.92	
September	.47	1.73	1.85	2.79	2.06	3.20	1.32	1.78	.28	2.82	18.60	
October	1.31	3.63	2.65	3.59	1.75	1.67	.19	2.52	4.70	.35	23.06	
November	2.45	2.01	1.28	3.10	.66	4.76	1.01	1.65	2.62	4.96	25.30	
December	1.23	2.90	1.30	1.44	2.54	1.77	2.77	2.21	1.28	1.34	19.78	
TOTALS	26.09	23.76	20.82	21.89	imp.	25.63	18.86	24.07	18.81	28.68	23.06	
	D	D	D	D	D	D	D	D	D	D	D	

Ob. and orig. bill. 1945

1945. April - observations commenced at Preston Hill Farm, regarded as continuation record.
 - House 36' high 25' S.W.; Wall 4' high 30' N.

1946. low

Corrected vol 972

for low water

for estimates & correction 45746 see attached

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.
1945			Stevenage	3 1/2 mi.	N. 73° E	Preston	1/2 mi	N. 5° W

BRITISH RAINFALL ORGANIZATION

RAINFALL ~~1961-1970~~ 1941-1950

Station Hitchon (Preston Hill Farm) No.
 County (Old No.)
 Authority Grid Ref.
 Altitude ft.
 River Basin
 File TF..... / MWR / m / a Tributary

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	Means
	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	
January ...	2.46	2.65	4.39	1.66	2.10	1.52	1.35	4.27	1.23	0.83	
February ...	2.10	0.84	1.18	1.12	1.65	1.73	1.77	0.71	1.12	3.60	
March ...	3.02	1.22	0.53	0.18	0.50	1.11	5.12	0.84	1.10	0.56	
April ...	1.20	1.09	1.08	1.80	0.99	0.88	1.57	1.28	1.53	1.74	
May ...	1.89	2.86	2.07	1.17	1.75	1.87	1.06	2.26	1.93	2.39	
June ...	1.01	0.34	1.76	1.35	1.68	2.55	1.25	2.95	0.76	1.14	
July ...	4.44	2.43	1.01	1.20	2.37	1.86	1.44	1.10	0.86	5.42	
August ...	4.51	2.06	1.72	2.29	1.49	3.41	0.01	2.50	1.40	3.53	
September ...	0.47	1.73	1.85	2.79	2.36	3.20	1.32	1.78	0.28	2.82	
October ...	1.31	3.63	2.65	3.59	2.45	1.67	0.19	2.52	4.70	0.36	
November ...	2.45	2.01	1.28	3.10	0.66	5.56	1.01	1.65	2.62	4.96	
December ...	1.23	2.90	1.30	1.44	2.54	1.77	2.77	2.21	1.28	1.34	
TOTAL ...	26.09	23.76	20.82	21.89	20.54	27.13	18.86	24.07	18.81	28.68	
Percentage ...											

AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915in.
 1916-1950in.
in.

Type and capacity of gauge

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

Earliest year with complete data (D : W : M).....

*NOTES on years with incomplete or unsatisfactory data:-

*Each note to be dated. Continue notes overleaf if necessary.

Station No. 968 M.RAINFALL at HITCHIN (PRESTON HILL FARM)

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County of HERTFORDSHIRE Observer F. H. HAYBRICK, Esq.River Basin JAMES - LEE - 3Type of Gauge GALISHER Mk II on inspectionAnnual Average 25.2 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. S
25.70 " " 25 " " 1916-1950 1916-1950 File No. 879034/28 P

Diameter ...	5'			240	782							
Height ...	1' 0"				1							
Altitude ...	484'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means— Totals	
January ...	2.84	1.72	1.12	.96	2.25	4.10	.82	(2.40)	2.87	2.32	21.40	✓
February ...	3.92	.66	1.77	2.30	2.02	.61	2.22	2.62	.09	2.00	18.21	
March ...	3.01	2.76	.62	2.18	1.06	.86	1.13	1.61	2.01	1.28	16.52	
April ...	2.80	1.46	2.02	.25	.41	1.09	.22	1.19	2.02	.35	11.81	✓
May ...	2.51	1.54	1.36	2.46	3.75	.62	1.25	1.85	.85	1.49	17.68	
June ...	.78	1.01	1.81	3.55	2.45	3.35	1.46	4.53	1.01	1.62	21.57	
July ...	1.36	.40	2.92	2.80	.22	2.33	3.81	2.57	3.24	2.61	22.26	✓
August ...	4.27	3.56	1.84	3.41	1.47	5.27	2.20	2.15	1.63	3.65	29.45	
September ...	2.65	3.66	1.96	1.39	1.34	2.05	2.69	3.46	.11	3.49	22.80	
October ...	1.09	2.48	2.96	1.86	2.78	1.46	2.62	2.13	1.68	5.93	24.99	
November ...	4.24	2.71	1.38	4.48	1.73	.88	2.05	2.61	2.27	4.08	25.91	✓
December ...	(1.75)	2.79	.54	1.80	2.02	3.16	1.85	2.84	3.81	3.64	24.20	✓
TOTALS ...	31.22	24.75	20.30	27.44	21.50	25.78	22.32	(29.44)	21.59	32.46	256.80	
	D	D	D	D	D	D	D	D	D	D	256.80	

Inspected 15/3/55 M4 PWG.D echo ranging sound, measure certified. S.G. slight c/s
min. (will) 30° Recommended move 10' ESE
00014

Position of Station on Ordnance One-Inch map :

No. of Map. 169National Grid Reference TL182260

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

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
	✓	✓	✓	✓ <u>Page 45 up 86</u>	✓