

RAINFALL AT Witchin, Geston

Lat. _____

Len. _____

County of

Herts_____
Rain Gauge, by _____Observer R. de V. Ryot Wag3. Thames - Sea

Diameter											8
Height											2 5
Altitude		454				4507					4807
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	2.19	2.16	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	2.31	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	

St. Ippolyt's Church $1\frac{1}{4}$ Miles E

Sea 8 feet high 12/8/5

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

RAINFALL AT Hitchin Preston Willows

Lat.

Lon.

County of Herts

Rain Gauge, by

Observer R de V Payor Esq

3 - Thames - Sea.

9 Hertfordshire

Diameter ..	8										
Height	2. 5										
Altitude ..	480 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MRENS.
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
March80	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	.58	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

D D D D D D

Herts

Hitchin Church 3 miles N

Station 4 N

Nearest objects fruit trees well out of the way

1907 St Martins Pasture (Clapgate) 1/4 mile N.N.E

RAINFALL at Hitchin Hertfordshire

County of Hertfordshire

Observer R. de V. Payor Esq.

River Basin Thame. Sea 3

Rain Gauge, by N.T.

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	1.32	2.74	4.28	9.85
February ...	2.77	1.29	1.91	.86	2.28	2.90	3.68	.72	.96	2.66	8.02
March85	1.91	2.74	2.19	4.06	1.87	4.74	1.55	.95	3.10	10.34
April	2.68	1.20	.03	2.77	1.04	.95	1.42	1.63	3.62	3.15	9.82
May	2.49	1.83	1.44	1.91	1.06	2.27	1.99	1.80	2.10	.47	6.36
June.....	2.60	2.14	2.53	1.83	1.73	.64	2.89	2.48	.68	1.18	7.23
July	1.61	.40	4.85	1.41	1.96	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	5.81	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	2.86	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 ...	280.5	22.69	31.25	22.55	26.99	28.76	32.16	29.50	26.25	28.81	11673

1910 Gauge stands quite clear

1911 Four " moved 36 ft S
clear bounded fence & go high 16 ft 5

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
9/10	51.55	0.17 W	Hitchin	3 1/2 mi	NNE	St. Martin's Chapel of the Holy Angels St. Mary's	300 yds 2 1/4 mi	N N

RAINFALL at Hitchin, Preston

County of Hertfordshire

Observer R. de V. Poyntz Esq.

River Basin Thame - Sea 3

(1926) Glasshouse Rain Gauge, by Metz.

Diameter ...	9	8							8		
Height	26	26							10		
Altitude ...	484	480							484		480.
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	2.20	2.02	2.92	1.42	2.75	1.60	3.19	2.69	3.52	1.71	2.92
February50	.22	2.32	3.63	.97	3.50	2.77	3.60	1.64	.62	0.59
March	1.77	.88	1.89	2.27	.75	1.28	3.0	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	.29	4.17	4.05	4.58	2.65	2.90	2.15	2.62	1.24	2.66
August	1.25	.95	2.40	2.60	2.82	2.95	1.03	2.87	2.75	.44	2.33
September...	2.06	1.78	2.63	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	13.9	27.05	28.16	36.36	25.93	27.23	31.85	26.24	22.35	27.16
	D	D	D	D	D	D	D	D	D	D	D

1920. Once 4 ft high 20 ft S.

1921. Gauge moral 12 gauge north.

" Water face 6 ft high 30 ft. north
1929 " " 52 " 10 " N1930. Prospective 7/4/30. Glasshouse gauge found leaking
exposure excellent. New gauge recommended

Once 5'6" high 28'N.

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

Position of Station on reduced Ordnance Survey } No. of Map Reference No.
Map, 2 miles to 1 inch Series

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

RAINFALL at Hitchin (Preston)

County of Hertfordshire

Observer R. de V. Pyrce, Esq.

River Basin Thames - Lea - 3

Type of Gauge Glass

Annual Average 25.2 in. based on 41 years obs. un-weighted. Period of average 1881-1916 Ref. S. 219034/28

Diameter	8										
Height	1.0										
Altitude	484										484'
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means 10.40
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	1.30	1.83	1.70	2.99	2.30	3.57	1.60	1.71	1.80	16.69
March	1.11	1.80	2.16	2.03	1.43	1.09	3.65	1.41	1.78	2.93	16.38
April	3.19	2.17	0.98	1.44	3.35	1.22	3.43	1.07	2.88	1.56	20.29
May	2.55	4.72	1.86	1.75	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	1.59	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	24.43
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	(1.32)	1.28	1.86	2.62	1.56	2.55	3.10	4.48	3.11	25.44
November	2.81	1.56	1.43	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° 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	5.2 mi.	N.	St. Ippoly	1.2 mi.	N.E.
1934						King's Walden	1.6 mi.	W.

Station No. 963.m
----- 545

RAINFALL at Hockwold (Preston Hill Farm) (1945)

41

County of Norfolkshire

Observer R. C. T. Pagan Esq.

River Basin Thame & River B.

J. H. Haybrick (1945)

Type of Gauge. Glycerine

Annual Average 2.52 in. based on 41 years obs. un-weighted. Period of average 1921-1945 Ref. S.

File No. 379034/2a

Diameter	8"			2410	782							
Height	1' 0"				1							
Altitude	484'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Total
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	2.04	1.17	1.75	1.87	1.06	2.26	1.93	2.39	19.25?	
June	1.01	.34	1.46	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	2.19	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	1.76	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	18.78	
TOTALS	26.09	23.76	20.82	21.89	imp. d. r. n. p. a.	25.63	18.86	24.07	18.81	28.68	230.66	

Obs. carried on by Bill Leitch

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

1946. Now

Compared 97%

An allowance

For estimates & corrections 1920-6 see attached

Position of Station on reduced Ordnance Survey Map, | 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			Stewkley	3 1/2 mi.	N, 73° E	Preston	1/2 mi	N, 5° W

METEOROLOGICAL OFFICE,

RAINFALL ~~1961-1970~~ 1941-1950

Station Hitchin (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	1.55	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 ...	2.95	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:-

1881-1915 in.
 1916-1950 in.
 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.

51

RAINFALL at HITCHIN (PRESTON HILL FARM)

County of HERTFORDSHIRE

Observer F. H. MAYERICK Esq., M.

River Basin THAMES - LOTE - 3

Type of Gauge GAISHER MKII un-inspected

Annual Average 252 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. S
25.70 " 35 " 1916-1950 1916-1950 P
File No. 879034/128

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	2.81	1.54	1.36	2.46	3.75	.62	1.25	1.85	.85	1.49	17.68
June	.78	1.01	1.81	3.56	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	2.91	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	
	2	D	D	D	D	D	D	D	D	D	256.80

Inspected 15 March 1966 D echo ranging sound, measure certified. Site slight c/s
 un-drilled 30° Recommended 10° ESE
 00014

(52)

Position of Station on Ordnance One-Inch map : No. of Map 169 National Grid Reference T H 189 260

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