

RAINFALL AT Burnley Gawthorpe Hall

Lat.

Long.

County of

Lancashire

Rain Gauge, by

Observer

Sir U. K. Shuttleworth

Diameter.....										8
Height.....										1 -
Altitude.....										316
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	MEANS.
January.....										1.12
February.....										2.62
March.....										1.89
April										1.59
May.....										1.68
June										6.14
July.....										5.56
August										6.34
September.....										2.80
October.....										2.34
November.....										1.26
December										2.78
TOTALS										36.12

1879 Trees 6ft high 8ft S.W.

All: Saint church Haberham $\frac{1}{2}$ mile S.

RAINFALL AT *Burnley, Gawthorpe Hall*

Lat.

Lon.

County of

Lancashire

Rain Gauge, by

Observer *Sir U. H. Smithsworth Esq.*

Ribble & Co.

Diameter	8										
Height	1.0	1.0 1.3 0.9									
Altitude	367										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	.09	.15	3.43	5.22	6.46	2.00	5.45	3.11	2.31	1.48	
February	3.67	6.00	2.79	3.93	4.32	3.10	1.18	1.73	.89	3.14	
March	2.83	4.62	2.02	1.32	2.76	1.79	1.79	2.32	3.25	2.83	
April	1.86	1.31	4.65	2.12	1.70	2.27	2.19	2.18	1.75	2.02	
May	2.63	3.44	00	.73	2.35	1.92	3.76	1.97	1.13	3.06	
June	3.79	.51	2.36	4.19	.78	3.22	1.96	.54	2.11	1.29	
July	4.13	4.59	5.12	3.57	4.38	1.26	3.55	2.42	6.34	3.20	
August	1.87	5.67	3.70	2.69	1.64	.90	2.02	1.72	3.77	6.06	
September	3.87	1.74	1.97	6.13	3.43	4.93	3.50	6.74	1.59	3.84	
October	3.62	3.18	2.76	5.52	3.80	4.55	5.04	2.09	1.80	3.88	
November	5.54	3.97	4.59	4.11	1.66	2.44	3.23	2.47	6.67	1.82	
December	7.36	4.78	3.06	4.66	5.57	2.10	6.46	2.41	3.21	3.33	
TOTALS	41.26	39.96	34.55	44.13	39.05	30.48	39.13	29.70	34.82	35.95	

1880. All Saints Church, $\frac{1}{2}$ mile. S.W.
 Trees 6ft high 8ft SW.

1882 Record imperfect unreliable

1886 Trees 10ft high 10ft N.

Greenhouse 20ft high 15ft N.

RAINFALL AT Burnley Gawthorpe Hall

Lat.

Lon.

County of

Lancashire

Rain Gauge, by

Observer Sir W. H. Shuttleworth Bart
of Ford Esq.

Ribble & L. 1

Diameter	8											
Height	0.9		1.3		0.9	1.3						
Altitude	316 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.31	3.46		1.26	4.44	2.69	1.93	1.07	4.07	6.54		
February57	.33		5.29	5.66	.25	2.18	2.70	3.94	2.02		
March	3.80	2.94		2.01	3.60	2.92	6.51	4.74	2.21	2.89		
April	1.12	2.54		.57	1.83	2.68	2.31	2.67	2.52	3.55		
May	2.16	2.99		2.74	2.17	1.58	.57	2.11	3.01	2.82		
June	2.73	1.42		3.20	3.15	2.69	2.82	3.70	3.48	1.43		
July	3.86	3.21		3.49	4.87	6.85	2.06	2.03	.92	2.34		
August	6.27	8.39		3.42	5.69	4.28	2.78	7.02	4.76	2.14		
September	3.94	4.88		4.42	.38	1.66	6.70	4.42	1.48	7.71		
October	3.31	6.48		5.38	4.15	4.71	4.55	2.45	3.60	2.88		
November	8.13	5.17		3.64	3.37	4.06	1.76	4.38	3.66	2.69		
December58	9.01		5.39	3.97	5.22	4.36	5.03	5.30	3.24		
TOTALS	(41.78)	?		50.32	(40.00)	40.81	43.23	39.57	38.53	42.27	38.95	40.25

1891 Unreliable decimal point misplaced see slip *not made among us 2012*

1892 "

1893 All Saints Habergham $\frac{3}{4}$ mile S

Small farm 600 ft high 24 ft N

1895 Dec 31st Gauge moved 40 ft E

RAINFALL AT Bawdenley Ganthorpe Hall
 Lat. Lon. County of Lancashire South

Rain Gauge, by Observer A. Ford Esq.

Ribble 1.

Diameter ..	8										
Height	1.3	0.9					1.3				
Altitude ..	316 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.61	2.94	3.96	4.57	3.98	2.01	5.80	2.61	4.08	2.66	3.822
February ..	4.56	2.00	1.23	4.84	3.82	2.86	3.65	2.99	3.33	3.46	3.274
March	1.47	4.03	3.96	6.24	2.30	3.26	3.51	4.16	3.79	2.67	3.439
April	2.46	2.94	2.46	2.41	2.82	3.30	1.55	2.15	2.40	3.86	2.635
May	1.88	1.03	3.16	2.50	2.82	.64	4.20	3.78	2.98	1.98	2.497
June	2.93	1.55	1.09	2.17	1.19	2.37	2.33	6.50	1.74	2.49	2.436
July	3.15	1.46	3.74	3.98	1.30	2.47	3.01	2.84	4.70	6.13	3.278
August	6.11	2.50	3.58	5.63	5.31	4.14	3.57	4.67	4.50	3.37	4.338
September ..	1.76	1.18	1.15	5.22	1.27	2.83	1.59	95	3.37	2.74	2.206
October	6.07	3.85	4.00	10.92	2.11	3.85	6.76	4.22	1.52	5.08	4.838
November ..	4.54	6.93	2.03	3.22	4.10	4.38	5.15	2.26	3.63	2.03	3.827
December ..	4.84	6.00	4.02	2.60	3.59	1.27	4.63	4.55	2.96	5.94	4.040
TOTALS ..	44.38	36.41	34.38	54.30	34.61	33.38	45.75	41.68	39.00	42.41	40.630

D D D D D D

H.W.

1900 alluvium on Hobergham 3/4 mile S

apple trees 6 ft high 21+48 ft E & W

1903 Padham Station 1 mile W

6. v. 07. A. Ford writes:- "We are on the R. Calder ... into this river all the hot water from the mills ... is turned and there must be constant condensation of small amounts." "The gdw. frequently finds .01 when none has fallen."

RAINFALL at Burnley Gawthorpe Hall

County of Central Tennessee

Observer Alfred Ford Day Lord Shuttleworth
F. Crossley

River Basin Ribble + C

M.O Rain Gauge, by

8-00 Good but battered
8-01 no tile the bottom to outer can
7-95 to be repaired (2.20)

Glass accurate
but replaced
during 1920

1912 apple tree 6 ft high 21.448 ft E + W

+ c. 17.12.20 grille of large walled baitalen garden, perfect site.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53-48	2-18'W	Padibam	1m	N	All Saint Habayha	3/4 m	S	

Padham
RAINFALL at Bamley Garthorpe Hall

County of C. Lancashire

Observer Lord Shuttleworth

River Basin Ribble c. 1

F. Crossley (Estate Agent).

(1928) N.W.O. Rain Gauge, by _____

(1929) London.

Diameter ...	S											
Height	o	9										
Altitude ...	316											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		1930
January ...	4.81	7.50	3.98	4.96	2.24	3.49	5.22	4.56	11.03	2.09	6.61	
February ...	3.99	4.43	4.59	7.63	1.88	6.83	3.60	1.79	5.75	1.81	1.16	
March	4.36	3.81	2.43	1.53	1.15	1.83	2.63	3.84	3.08	1.20	2.54	
April	4.63	1.80	3.29	4.05	1.75	2.59	1.98	3.22	1.29	1.29	2.57	
May	5.56	2.34	1.95	4.23	5.25	3.93	3.50	1.84	1.18	2.58	3.14	
June	2.23	1.60	2.84	1.26	3.14	1.12	2.58	5.07	5.81	1.51	3.18	
July	5.67	1.90	5.04	5.01	3.42	1.84	3.12	3.59	2.06	2.91	5.27	
August	2.03	5.55	6.08	5.89	4.97	3.25	4.71	5.96	7.50	4.00	6.90	
September...	2.63	1.89	3.35	5.03	4.43	3.75	3.88	7.14	1.20	2.24	4.15	
October....	1.61	3.27	1.01	5.44	2.94	4.81	3.54	3.90	5.75	6.44	6.34	
November...	2.14	2.12	3.26	7.05	2.96	2.38	7.20	4.39	5.76	4.90	5.91	
December...	2.95	6.57	5.48	3.99	5.40	3.70	2.64	1.55	2.51	10.03	4.52	
TOTALS...	42.61	37.78	43.40	56.02	38.53	38.82	44.00	46.85	52.92	43.06	(51.59)	

1920. Apple Trees 6 ft high 21 ft E 748 ft W

Gauge inspected 5st. 17/12/20 middle of large walled kitchen garden, perfect site.

1924. Record unusually low - trouble probably due to omission. Observer written to but no reply received (f. 565835/25)

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1920	53° 48'	2° 18'	Padham	1 mi	W	All Saints	3/4 mi S.

~~2970~~
31

RAINFALL at Padham (Gawthorpe Hall)

County of Central Lancashire Observer Hard Shuttleworth
died 20/12/39
River Basin Ribble & c. - 1 F. Crossley/Fox?
Type of Gauge Standard

Annual Average 40.7 in. based on 47 years obs. un-weighted. *Period of average* 1891-1912. *Ref.* 3

Diameter	8.	g									
Height	0.9	1' 0"									
Altitude	316.	282'									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	(5.50)	3.33	3.60	1.90	4.71	3.89	4.86	4.89			
February	(20)	3.75	.57	5.22	2.63	4.76	1.53	3.90			
March	2.48	2.12	2.61	1.39	1.94	1.92	1.56	2.20			
April	3.45	1.61	2.97	2.60	.88	2.77	.77	1.55			
May	3.45	2.48	2.98	1.23	1.18	1.82	3.61	1.21			
June	.94	1.84	2.09	3.76	4.22	2.42	3.78	3.18			
July	4.45	2.31	2.59	1.58	3.72	1.83	3.85	5.89			
August	1.61	2.39	4.17	1.08	2.65	2.27	4.88	1.88			
September	6.34	1.84	3.01	7.09	4.18	1.63	1.82	.88			
October	6.39	4.48	4.94	8.80	4.51	1.90	8.38	1.69			
November	2.66	1.77	1.81	4.74	4.49	1.26	5.95	6.89			
December	2.23	.68	5.76	3.56	5.24	2.06	4.59	2.85			
TOTALS	#	(39.70)	28.60		37.10	42.95	40.36	28.52	43.58	37.01	#
	NO.	Summated	3d	d.	a.	2	2	2	2	d	

1932. Sharts 6' high 30° E. Tree 30' high 50° NE. Jan + Feb estimated by near stations

1939 Record terminated 12/39

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
1932.			Padham	1 m	W.	All Saints'	$\frac{3}{4}$ m	S.