

## Rainfall at Clitheroe (Downham Hall)

3m N.E. of C.

Ralph Asheton.

Sunk Float

Rectangular

Bimonthly Gauge, 9x10, in.

Height above Ground, ... ft. .... in.

Above Mean Sea Level, 474 ft.

YEAR - -		1855	1856	1857	1858	1859	MEANS.
January - -		# .82	2.69	3.83	2.95	3.70	
February - -		1.38	4.61	2.20	.72	2.90	
March - -		3.26	.41	4.20	2.15	5.43	
April - - -		1.70	3.19	.36	2.75	3.48	
May - - -		2.06	3.43	2.29	1.61	.60	
June - - -		4.34	4.62	4.57	2.58	2.45	
July - - -		4.13	2.77	3.54	3.15	1.91	
August - -		2.93	5.82	5.00	{ 8.80	4.05	
September -		.97	3.73	2.87		8.01	
October - -		6.89	1.50	1.68	3.17	2.96	
November -		1.11	1.54	2.13	{ 5.87	1.79	
December -		1.43	5.80	3.13		4.06	
TOTALS -		31.02	40.11	35.80	33.75	41.34	

C C C C C

On a lawn near House. Partly shaded by house &amp; trees.

Downham Hall No 1

3m N.E. of Clitheroe

Ralph Atkinson

On lawn 90 ft from house

Sunk float gauge 9x10in + ground 1ft + sea level 474 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.13	.84	3.46	5.86	2.86	3.90	5.76	4.75	4.12	4.02	4.72
February - -	3.15	4.11	1.23	2.45	4.37	2.93	5.26	4.72	3.81	8.46	4.04
March - -	3.60	5.97	3.85	1.24	3.30	1.30	2.18	1.73	4.59	1.32	2.90
April - -	2.00	1.27	3.68	2.45	1.95	1.85	1.38	5.96	1.98	2.20	2.47
May - -	3.95	1.12	5.00	3.51	2.35	3.72	1.47	1.98	1.18	4.07	2.835
June - -	6.14	2.25	4.10	4.28	4.69	.75	4.61	1.82	.54	4.72	3.090
July - -	2.10	4.23	4.60	1.50	1.96	3.92	4.99	4.23	.72	.98	2.923
August - -	5.29	4.91	3.68	4.20	2.46	4.60	5.93	3.20	4.18	2.18	4.813
September - -	2.78	4.25	2.22	7.20	3.80	1.15	7.72	3.50	2.78	8.61	4.401
October - -	5.32	2.40	6.73	5.62	2.56	5.98	2.75	4.27	6.39	3.26	4.528
November - -	3.51	7.93	1.95	5.23	4.00	3.47	8.34	2.50	3.85	6.33	4.74
December - -	4.29	2.93	4.74	4.42	2.79	1.73	7.44	3.26	10.35	5.39	4.734
TOTALS -	47.26	42.21	45.24	47.96	37.09	35.30	57.85	41.92	44.49	48.54	47.786

Total Feb is now sent = 3.15 Oct = 21.26

18/5/65

1864 Although there has been great complaints of drought in many parts of England, the rainfall here is only 3.43 less than average, but few thunderstorms, hence double the small amount of rain in Augt the average of which for the previous 9 yrs is 4.53 it being the wettest month in the year. If not emplid daily  
 1865 by in meadow protected from cattle by iron railing ground sloping towards the S but level in other directions

## RAINFALL AT Droutham Hall No 2

60

Ralph Astbury

Colchester

Rain  $\left\{ \begin{array}{l} \text{By} \\ \text{Gauge} \end{array} \right.$   
Diameter... 10.195 in.

Height above Ground, 1 ft. 6 in.

Above Mean Sea Level, 464. n.

YEAR.....		1865	1866	1867	1868	1869	MEAN.
January .....	#	5.85	4.54	4.15	4.02		
February .....		5.37	4.25	3.80	3.46		
March .....		1.95	1.33	4.68	1.32		
April .....		1.37	5.82	2.07	2.20		
May .....		1.52	1.88	1.23	4.07		
June .....		4.67	1.72	.57	1.72		
July .....		4.89	4.03	.76	.98		
August .....		6.05	3.17	4.35	2.18		
September .....		7.87	3.40	2.73	8.61		
October .....		2.85	4.40	6.23	3.26		
November .....		8.20	2.48	3.85	6.33		
December .....		7.67	3.20	10.28	5.39		
TOTALS .....		58.26	40.22	44.70	48.54		

C C C

1868 This is the return of the three sent which I consider most fairly represents the rainfall of the place. This year in spite of the drought in the summer is 3.00 + the average (14 yrs) the fall in Dec 10.28 is the most I have ever registered in one month since 1855 when I began, the nearest approach thereto being 8.34 in Nov 1866

In middle of pasture field slight hump 6 ft away from it to keep off the cattle 300 yds W of No 1

## RAINFALL AT DOROTHAM HALL No. 3

R. Asheton

Clitheroe

Rain (By  
Gauge) Diameter .9 X 10 in. Height above Ground, 1 ft. 3 in. Above Mean Sea Level, 450<sup>?</sup> ft.

YEAR.....	1866	1867	1868	1869	MEANS.
January .....	6.58	5.17	4.99		
February .....	5.81	5.26	4.21		
March .....	2.52	1.91	5.44		
April .....	1.47	5.89	2.25		
May .....	1.65	1.99	1.39		
June.....	4.78	1.88	.61		
July .....	5.22	4.45	.82		
August.....	6.11	3.44	4.62		
September .....	8.31	3.69	2.96		
October.....	3.08	4.61	7.09		
November.....	9.18	2.65	4.05		
December.....	8.60	3.56	11.70		
TOTALS.....	63.31	44.50	50.13		

This gauge from some local circumstances which I cannot yet ascertain catches more than either 1 or 2 ft. in the elevation with the gauge as I have transposed them several times, this gauge is rather lower down the valley than No 1 though {within 130 yards East} of it, I think No 2 the fairer test of the rainfall just here I think.

## RAINFALL AT Clitheroe Downham Hall No. 1

Lat.....

Lon..... County of Lancashire.....

..... Rain Gauge, by..... Observer .....

Diameter	10x9	10x9									
Height	1 "	1 "									
Altitude	473										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	3.93	1.34	5.56	5.54	4.95	4.15	2.60	6.30	5.08	2.42	4.187
February	1.34	4.35	4.72	1.20	1.62	.98	6.68	4.36	1.47	2.20	2.892
March	2.26	1.72	4.46	3.46	5.72	1.16	5.13	3.65	2.67	2.77	3.300
April	1.94	2.93	3.49	4.42	1.75	1.50	2.57	3.17	1.52	1.67	2.090
May	1.80	1.66	3.02	2.52	2.17	2.63	.53	2.45	3.64	1.95	2.237
June	3.05	3.14	4.24	1.66	1.39	2.81	4.08	2.13	2.45	4.57	2.952
July	1.05	7.27	3.32	4.36	3.92	5.45	3.35	5.02	1.30	6.60	4.164
August	2.00	2.14	4.58	4.77	6.58	5.07	4.26	6.86	6.17	6.75	4.918
September	2.94	3.69	7.71	2.50	5.05	4.51	4.80	4.35	4.47	3.15	4.314
October	9.40	5.74	5.48	7.37	4.93	4.02	2.84	5.60	3.94	2.48	5.180
November	5.24	1.39	4.54	3.40	3.61	5.24	3.43	6.20	3.47	1.00	3.752
December	2.97	2.68	3.75	1.84	4.73	2.13	5.53	4.57	2.04	3.14	3.338
TOTALS	37.92	38.05	54.81	39.04	46.42	39.65	45.80	54.66	38.22	38.70	43.327

C C C

The difference in amount between this G and No 3 is entirely owing to the position as the two Gs have been changed and the difference remains the same. The readings are now taken by plunging a thin rod into the retaining chambers of the G and seeing how far it is wetted.

1876 dues near the gauge

1879 first printed

## RAINFALL AT Clitheroe Downham Hall

Lat.....  
Long.....  
Altitude.....  
Rain Gauge, by.....  
Observer Ralph Ashton Esq. M.P.

Diameter	□										MEANS.
	.10										
Height	1.6										
Altitude	464										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	
January	4.00	1.34	5.23	5.67	4.87	4.15	2.65	5.90	5.32	2.25	4.138
February	7.25	4.35	4.73	9.95	1.27	1.06	6.02	4.65	1.75	2.19	2.822
March	2.13	1.77	4.50	3.22	5.82	1.08	4.97	3.65	2.85	2.60	3.259
April	1.97	2.45	3.52	4.47	1.67	1.56	2.67	3.10	1.55	1.50	2.096
May	1.88	1.69	3.16	2.47	2.25	2.82	7.22	2.45	3.65	1.95	2.304
June	2.95	3.09	4.19	2.15	1.40	2.72	4.20	1.90	2.40	4.60	2.960
July	1.02	7.24	3.47	4.30	3.77	5.40	4.05	5.02	1.32	6.67	4.226
August	1.95	2.22	4.83	4.97	6.47	5.14	3.52	6.65	6.35	6.91	4.901
September	3.08	3.76	7.22	2.55	5.05	4.75	4.70	4.27	4.70	3.25	4.333
October	+9.60	5.77	5.69	7.57	4.95	4.07	2.88	6.00	4.25	2.26	5.304
November	5.30	1.34	4.73	9.95	3.50	5.38	3.17	6.60	3.32	1.02	3.771
December	2.92	2.73	3.37	1.82	4.45	2.24	5.40	4.77	1.87	3.25	3.282
TOTALS	380	538	2.25	54.64	3949	4547	40.37	4495	54.96	3933	38.45
											43.396

C C C

1871 This is the wettest July I have registered in 17 years & with the exception of 1855 (1.11) the driest Sept.

1878 Some trees 20 ft high 60 yds N.N.E.

1879 Downham church 400 yds E.

## RAINFALL AT Clitheroe Downham Hall No 3

Lat.....

Lon..... County of Lancashire.....

..... Rain Gauge, by..... Observer .....

Diameter.....	10+9	9+10									
Height.....	1.3										
Altitude.....	447										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	4.72	1.88	5.95	6.63	5.85	4.67	2.94	7.07	5.70	2.72	4.813
February.....	1.62	5.11	5.61	1.27	1.81	1.35	6.84	5.16	1.53	2.47	3.277
March.....	2.46	2.27	4.96	3.71	6.44	1.37	5.60	4.04	3.02	3.04	3.691
April.....	2.12	3.17	2.83	1.46	2.05	1.77	2.82	3.35	1.52	1.70	2.179
May.....	2.09	1.72	3.05	2.70	2.28	2.90	6.82	2.75	3.91	2.12	2.420
June.....	3.10	3.17	4.55	2.25	1.47	3.05	4.27	2.38	2.50	4.87	3.161
July.....	1.06	7.57	3.30	4.55	4.10	6.03	3.51	5.45	1.30	6.90	4.375
August.....	2.02	2.29	4.89	5.20	7.01	5.29	4.46	7.22	6.32	7.23	5.193
September.....	3.19	3.79	8.42	2.67	5.57	5.55	4.94	4.66	4.72	3.16	4.667
October.....	9.79	5.97	6.08	7.91	5.37	4.33	2.99	6.54	4.51	3.20	5.669
November.....	6.10	1.47	5.37	3.72	4.26	5.72	3.69	7.42	3.75	1.13	4.263
December.....	3.35	3.03	4.35	2.09	5.50	2.54	6.12	5.53	2.49	3.70	3.870
TOTALS.....	41.62	41.44	59.36	48.14	51.71	44.57	48.86	61.57	41.27	42.24	47.578

C C C

## RAINFALL AT Clitheroe Downham Hall

80

Lat.

Long.

County of Lancashire

Rain Gauge, by

Observer R. Assheton, Esq.

Ribble + 6.1

9201

Diameter ....	10										
Height ....	1. 0										
Altitude ....	473										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	71	47	4.41	5.18	6.39						
February ....	3.41	6.05	3.44	2.45	3.25						
March ....	3.19	4.50	5.04	1.05	3.03						
April ....	1.47	2.15	3.13	2.02	1.08						
May ....	2.78	4.33	3.84	1.02	2.10						
June ....	4.52	2.43	5.95	4.12	6.64						
July ....	4.88	6.08	6.52	3.50	4.37						
August ....	2.37	5.76	3.93	2.93	2.00						
September....	3.96	2.44	2.82	6.75	2.96						
October ....	3.02	3.52	4.59	4.93	3.14						
November....	5.99	5.18	6.97	4.56	1.60						
December ....	7.94	5.92	3.70	3.95	6.02						
TOTALS ....	44.24	48.83	54.34	42.46	36.58						

*Rejected from Survey : 11" too Low.*

RAINFALL AT Chickerel, Downham **80**

Lat.

Lat.

County of Lancashire

No II Rain Gauge, by

Observer R. Ashford, Esq.

Ribble 61.

Diameter .....	10										
Height .....	1.6										
Altitude .....	4647										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....	.75	40	4.05	5.75	5.33	2.55	6.60	2.23	2.03	2.05	3.114
February .....	3.47	5.78	3.81	2.43	3.20	2.75	1.88	1.30	.82	2.88	2.732
March .....	3.20	4.85	5.13	.90	2.92	2.95	3.15	2.35	2.58	3.45	3.148
April .....	1.50	2.57	3.26	2.05	1.03	1.67	3.28	2.00	1.70	2.18	2.124
May .....	2.77	4.55	3.84	1.00	2.15	2.17	4.82	2.47	1.00	3.70	2.847
June .....	4.63	2.35	6.00	3.95	.62	3.12	2.32	.48	2.13	1.02	2.662
July .....	5.10	5.80	6.60	3.57	4.25	1.87	4.07	2.17	5.95	3.30	4.268
August .....	2.40	5.73	4.20	3.75	2.00	1.72	2.70	2.13	4.07	5.65	3.455
September .....	4.02	2.32	2.75	6.63	2.96	5.05	4.40	5.30	1.58	2.67	3.768
October .....	3.45	3.60	4.55	5.00	3.30	4.45	5.32	2.30	1.80	4.52	3.829
November .....	6.50	5.72	7.03	4.60	1.60	1.65	3.80	2.52	6.47	2.20	4.209
December .....	8.10	5.60	3.46	4.22	6.08	2.20	5.40	5.13	2.85	3.38	4.642
TOTALS .....	45.89	49.27	51.68	43.28	35.44	32.15	46.74	30.38	32.98	37.00	40.778

1880. Downham Church, 400m 500 yds E.

## RAINFALL AT Clitheroe Downham Hill.

80

Lat. ....

Lon. ....

County of Lancashire

Rain Gauge, by

Observer R. Asheton, Esq.

Ribble &amp; Co. 1

No 3.

Diameter .....	10										
Height .....	1.3										
Altitude .....	447										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS,
January .....	82	48	4.87	6.46	7.30						
February .....	3.94	6.54	3.47	2.99	3.16						
March .....	3.60	5.35	6.42	1.17	4.04						
April .....	1.58	2.27	3.22	2.17	1.19						
May .....	2.97	4.77	4.13	1.10	2.50						
June .....	4.83	2.58	6.12	4.34	6.67						
July .....	5.02	6.23	7.00	3.63	4.69						
August .....	2.45	6.56	4.23	3.38	2.14						
September .....	4.26	2.59	3.07	7.24	3.33						
October .....	4.05	3.62	4.89	5.48	3.16						
November .....	6.66	5.18	7.94	4.98	1.90						
December .....	9.28	6.77	3.96	4.84	7.18						
TOTALS .....	49.46	52.94	59.32	47.78	41.26						

# RAINFALL AT Gisburne Downham Hall

Lat.

Long.

County of Lancashire

Rain Gauge, by

Observer R. Asheton Esq

Ribble &amp; 61

Diameter .....	10										
Height .....	16										
Altitude .....	464 ft										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	4.92	2.55	3.50	1.30	4.18	2.13	2.73	1.52	4.62	6.90	3.485
February .....	.65	.55	2.53	5.40	7.05	.47	2.02	4.20	4.20	1.88	2.895
March .....	4.25	1.90	1.05	1.60	4.17	3.33	6.13	5.23	2.20	2.75	2.261
April .....	1.25	1.85	2.15	.47	2.43	2.77	1.12	2.95	1.95	3.55	2.049
May .....	2.43	2.65	4.70	2.25	2.47	.78	.55	2.75	3.07	3.13	2.478
June .....	3.77	.87	3.67	2.50	3.45	2.42	3.00	4.47	2.88	1.52	2.855
July .....	3.68	2.68	1.53	4.37	2.25	5.75	2.65	2.45	.75	2.23	2.134
August .....	6.55	9.16	6.32	6.47	7.53	4.28	2.70	6.70	6.18	1.80	5.769
September .....	4.12	4.00	4.33	4.52	.47	2.17	4.58	5.13	1.30	7.45	3.809
October .....	3.80	4.18	6.00	6.67	4.10	5.80	3.20	2.32	3.67	2.73	4.247
November .....	6.68	3.80	2.60	3.32	2.98	2.90	1.50	4.30	3.60	2.62	3.130
December .....	.45	7.72	3.10	4.60	4.22	5.28	5.05	4.98	5.35	3.38	4.412
TOTALS .....	42.55	41.91	41.48	43.47	45.30	38.08	35.23	47.00	39.77	39.94	41.173

Rejected from Survey : 4° too Low

1890 -

RAINFALL AT Clitheroe Downham Hall

Lat.

Lon.

Central  
County of Lancashire South

Rain Gauge, by

Observer R. Ashton Esq.

R. G. Ashton Esq.

Ribble 1

Diameter ..	10										
Height ..	1.6										
Altitude ..	464 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M. MEAN.
January ..	6.13	3.28	3.82	4.84	3.57	2.28	6.58	2.21	5.57	2.47	4.075
February ..	3.80	1.47	1.15	4.62	3.72	2.20	2.90	3.13	5.96	4.59	3.354
March ..	.67	3.30	2.99	5.80	2.42	3.02	3.82	4.66	3.16	2.93	3.277
April ..	2.95	2.25	2.11	2.70	3.57	3.15	1.12	1.73	2.91	4.00	2.649
May ..	1.68	1.08	2.73	3.28	3.03	.50	4.92	3.84	3.47	2.14	2.667
June ..	2.50	1.50	1.22	2.80	1.14	3.13	1.35	7.80	2.26	2.47	2.615
July ..	3.05	2.00	3.41	3.84	1.78	2.25	1.96	2.37	4.79	6.34	3.179
August ..	6.05	2.90	2.97	6.61	5.97	4.65	4.97	4.90	3.26	2.75	4.503
September ..	2.33	.98	1.12	6.12	1.50	3.45	1.25	1.09	5.15	2.81	2.580
October ..	6.93	3.35	4.84	10.35	2.42	3.45	6.60	4.49	2.04	4.76	4.923
November ..	3.75	8.35	2.12	3.43	4.81	4.35	4.33	2.80	3.95	2.19	4.008
December ..	5.52	4.76	4.20	2.73	3.01	1.20	4.01	5.99	3.39	5.98	4.078
TOTALS ..	45.36	35.21	32.68	57.12	36.94	33.63	43.81	45.01	45.89	43.43	41.908

1907. Downham Church  $\frac{1}{4}$  miles E.  
Chatburn Station 1 " SW.

Rejected for being 11° too low

## RAINFALL at Clitheroe Downham Hall

County of Central Lancashire

Observer R. C. Ashton Esq.

River Basin Ribble &amp; C.

Rain Gauge, by

Diameter ...	10											
Height .....	1.6											
Altitude ...	464 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	6.32	1.89	3.69	4.25	3.83	6.38	4.51	2.96	3.13	5.22		1582
February ...	5.02	6.70	1.65	1.70	2.75	4.49	4.25	.99	6.80	1.24		13.98
March .....	.76	2.11	6.38	6.22	5.30	1.91	2.50	2.24	1.50	5.58		1182
April .....	2.96	2.47	1.30	5.07	1.24	2.45	3.31	1.60	.99	2.11		801
May .....	2.57	2.35	2.30	3.13	2.31	1.63	3.13	1.99	1.94	2.14		980
June .....	2.47	4.56	6.45	3.06	1.79	.73	2.67	2.91	2.65	1.53		976
July .....	3.31	.73	4.64	1.45	4.03	3.77	2.70	2.04	4.23	1.99		10.96
August .....	5.88	3.08	6.38	2.52	2.47	5.87	3.98	6.40	3.62	3.52		16.62
September ..	.43	4.10	1.73	1.79	3.64	1.02	2.83	2.80	11.42	3.01		3006
October ...	4.15	4.10	4.82	2.11	1.96	1.63	9.94	7.47	4.35	2.57		84.33
November ..	5.40	4.59	4.80	4.92	7.21	1.94	3.26	4.30	4.13	2.93		1462
December ...	4.79	6.53	5.18	3.49	4.59	6.53	3.57	2.40	8.43	6.94		31.34
TOTALS ...	44.06	43.21	49.82	39.71	41.12	38.35	46.65	37.10	53.19	38.78		175.72

Rejected from Survey: 4" too low.

Inspected  
H.R.M. 13.12.12

Funnel 10" sq. tapering to 5" sq. tank more than 2' in ground. Float to reduce evap. and graduated iron rod, terminating in a hook, to read by. The rod is graduated in true inches; the reading divided by 4 and 2½ added (as soon unknown). Gauge alongside stream in raised enclosure in field.

The gauge and float - at old observatory - and tank.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.54	2.19. W	Chaburn	1 m	SW	Downham	1/2 m	E

## RAINFALL at Clitheroe Downham Hall

County of Central Lancashire

Observer Ralph Ashton (jun)

River Basin Ribble &amp;c

5 gauge

Rain Gauge, by

## Check gauge

Diameter ...	5										
Height .....	0.9										
Altitude ...	470										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...			3.75	4.31							
February ...			1.94	1.78							
March .....			6.72	6.42							
April .....			1.36	5.23							
May .....			2.52	3.33							
June.....			6.71	3.17							
July .....			4.90	1.52							
August.....			6.91	2.52							
September..			2.17	1.90							
October ...			4.85	2.23							
November..			4.80	5.21							
December...			5.42	3.64							
TOTALS ...			52.05	41.26	N.R.						
			?								

obs 12 a.m.

1912 "g. near trees buildings"

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53°54'	2°19' W	Chadburn	1 m	S W	Downham	1/4 m	E

## RAINFALL at Eltham, Downham Hall

County of C. Lancashire

Observer P. G. Asheton Esq.

River Basin Ribble &amp; C. I.

Old fashioned type Rain Gauge, by



Diameter ...	10	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS. 1930	Totals.
Height .....	1.6												
Altitude ...	464												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			
January ...	4.59	8.34	3.59	5.40	3.16	3.57	4.97	4.59	11.53	1.94	6.19	57.87	
February ...	4.33	4.6	4.77	5.56	1.82	6.43	5.00	1.84	6.60	.84	.51	37.16	
March .....	3.72	4.00	2.19	1.81	1.48	1.50	2.06	3.77	2.50	1.22	2.70	26.95	
April.....	4.46	1.50	2.84	4.28	1.79	2.77	1.53	3.16	1.07	1.10	2.75	27.27	
May .....	6.63	2.04	1.53	4.10	5.73	4.41	3.67	1.40	.71	2.55	1.99	34.76	
June .....	2.26	.84	2.45	1.17	3.01	.06	2.67	3.79	5.94	1.96	2.93	37.08	
July .....	6.65	2.75	6.50	5.64	4.66	1.84	3.13	5.46	2.80	3.42	5.73	48.58	
August .....	2.32	5.73	6.24	7.01	6.34	5.71	3.85	7.85	8.11	6.04	6.19	65.39	
September...	2.73	2.47	4.54	6.50	4.92	3.59	4.71	7.52	1.30	2.40	3.68	14.66	
October....	1.40	3.95	.79	6.70	4.85	4.97	4.85	4.20	5.22	6.39	6.73	50.15	
November...	3.77	2.50	2.47	8.06	4.00	2.11	6.70	5.20	6.78	4.29	5.74	54.72	
December...	3.59	7.31	4.41	3.88	4.71	4.05	1.73	1.29	2.65	9.46	3.95	47.21	
TOTALS...	46.45	41.89	42.34	60.11	45.47	41.01	44.87	50.25	54.81	45.51	49.09	521.80	147.6

Repealed from Survey.

: 4" too low

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
1920	53° 54'	2° 19'	Ghatten	1 mi	SW	Downham	1/4 mi E

## RAINFALL at Clitheroe (Downham Hall)

County of Central Lancashire Observer R.C. Asheton, Esq.

River Basin Ribble &amp; C.-I.

Type of Gauge Untherod type Newdon from 1934

Annual Average 4.00 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. 2851  
789 318/27.

Diameter	10.						5				
Height	1.6.										
Altitude	464.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.28	4.95	2.84	4.08	2.18	3.79	3.61	5.97	5.74	(2.09)	39.53
February	5.25	1.16	4.08	.39	7.00	2.01	6.47	2.06	4.40	1.76	33.58
March	1.59	2.75	2.53	2.22	1.51	2.50	1.58	1.31	1.89	3.52	20.40
April	3.03	3.79	1.58	3.00	3.30	1.18	2.48	.78	1.82	3.22	24.18
May	2.27	4.00	2.35	3.67	1.15	1.07	2.57	3.55	1.43	1.59	23.65
June	5.76	1.35	1.82	2.54	2.95	3.28	2.40	4.80	4.66	.77	30.43
July	3.93	4.39	3.19	2.31	2.21	4.34	2.24	4.59	5.74	3.60	36.54
August	4.82	1.48	2.07	4.50	1.28	2.77	2.48	5.44	1.95	2.20	28.97
September	2.30	6.85	1.71	3.62	7.14	4.70	2.26	1.79	1.32	5.33	37.02
October	3.13	7.83	3.69	6.05	10.92	4.62	2.40	8.53	1.43	3.90	52.70
November	6.38	3.52	2.04	1.85	4.98	5.19	1.85	5.12	8.37	6.90	41.20
December	2.73	1.73	.54	6.12	3.18	5.24	2.02	4.40	3.31	4.62	33.89
TOTALS	44.47	42.80	28.44	40.35	47.80	40.79	32.36	48.34	42.26	39.50	607.11

1940 Rain estd. from nearby stations.

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			Chadburn	1m. " 1m. E	SW. E	Downham	1/4 m. "	E.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 2992

## RAINFALL at Eltham (Downham Hall)

41

County of Central Lancashire Observer Sir R.C. Asheton Esq. Bart. (1945)

River Basin Ribble + C - 1

Type of Gauge Snowdon

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

File No. 7393/8/2

Diameter	5"			572	904						
Height	1' 6"				1						
Altitude	1664'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	.98	4.82	5.55	7.09	3.11	5.58	3.14	8.36	1.86	3.20	Totals. 43.57
February	4.90	1.90	3.03	2.24	5.40	6.42	.25	3.03	3.08	6.71	36.96
March	3.60	3.68	1.52	.38	2.09	1.10	6.50	2.39	.10	2.08	23.44
April	1.53	1.68	2.92	2.50	3.23	1.68	3.75	2.30	2.36	3.14	26.09
May	2.46	2.38	3.14	4.24	3.82	1.56	3.25	1.41	2.22	1.53	26.01
June	.41	1.52	3.49	3.13	3.96	2.94	3.90	4.51	1.72	3.52	28.10
July	1.26	3.25	3.25	3.70	2.92	5.04	4.27	1.95	2.70	4.00	32.36
August	6.56	4.85	6.82	2.50	1.93	9.56	.70	3.76	3.44	10.40	50.54
September	1.06	3.05	2.93	6.84	3.39	7.54	4.60	3.43	2.50	6.66	42.00
October	6.03	7.55	4.22	4.88	6.35	1.14	.81	2.93	5.73	4.06	43.70
November	2.51	1.50	3.14	7.93	.52	7.14	8.75	2.18	6.15	6.41	46.23
December	2.60	4.30	2.44	4.90	2.09	4.02	4.19	2.86	9.68	2.73	39.81
TOTALS	33.92	40.48	42.45	50.33	38.81	53.72	44.11	39.11	40.54	54.04	437.81 1945

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
1941			Chakburn	1 1/4 m.	SW	Downham	1 1/4 m.	E

BRITISH RAINFALL ORGANIZATION

DOWNHAMS

Station No. 2992

51

RAINFALL at Clitheroe (Downham Hall) <sup>Ralph</sup>  
 County of Central Lancashire Observer Sir C. Ashton Bart,  
 River Basin Ribble & L. - 1 The Lord Clitheroe, P.C.  
 Type of Gauge Snowdon

Annual Average in. based on years obs. un-weighted. Period of average  
 " " 43.84 " " 40 " " within 1916-57. " " 1916-50  
 File No. 739318727

Diameter ...	5"	572	904									
Height ...	1' 6"			1								
Altitude ...	464'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	4.76	4.75	1.60	4.15	2.70	6.75	4.80	4.00	3.70	5.35	42.56	
February ...	3.90	1.23	1.35	2.45	1.60	.95	3.30	7.00	.70	2.55	26.03	
March ...	4.33	2.06	1.68	2.30	1.50	1.50	4.00	1.65	2.10	1.30	22.42	
April ...	2.60	3.01	3.00	1.00	2.60	2.70	1.40	1.50	.60	3.05	21.46	
May ...	2.11	2.22	2.85	3.20	3.10	2.30	2.30	6.00	1.70	2.50	28.28	
June ...	1.16	3.18	1.90	3.55	3.30	2.15	1.40	4.70	3.00	1.15	25.49	
July ...	3.63	2.31	5.20	5.40	.85	4.95	5.40	3.60	3.40	7.90	42.64	
August ...	5.09	7.24	5.25	6.80	.95	11.65	5.60	5.00	.65	5.20	53.43	
September ...	3.51	4.26	4.90	6.20	3.40	11.60	5.80	5.80	.40	3.00	41.86	
October ...	1.27	2.82	1.65	9.60	3.00	2.50	6.50	3.40	5.90	3.30	40.44	
November ...	8.30	2.06	5.25	6.18	.70	1.70	1.70	2.10	5.70	7.85	41.54	
December ...	10.14	3.75	2.40	6.35	5.95	3.90	5.40	4.50	8.15	5.60	56.14	
TOTALS ...	50.80	36.88	37.03	58.18	29.65	45.65	47.60	49.75	36.00	48.75	442.29	
	M	H	X		M	M	M					

Commodity Control  
1.1959

2

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 34/18244

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1951			Chalbiana	1/4 m.	S.W.	Downham	1/4 m. E.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

		1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d		✓	✓	✓	✓	✓