

RAINFALL AT Broughton Hall Grange
Lancashire

Observer D. Blundell Capt.

Rain { By
Gauge { Diameter 5 in.

Height above Ground, 2 ft. 0 in.

Above Mean Sea Level, 230 ft.

YEAR.....							MEANS.
January							1869
February							5.89
March							6.31
April							1.22
May							3.09
June							2.96
July							2.14
August							1.70
September							1.88 2.40
October							2.96 10.27
November							5.89 3.66
December							2.89 6.80
TOTALS							10.90 6.18
							52.65

C C

Broughton Hall lies in the Valley of Cartmel, nearly midway between the S. extremity of Windermere Lake and the Bay of Morecombe being about 3 miles from each a straight line drawn from the foot of the lake southward to the Bay would intersect the Hall.

The six months between Feb? & Sept? show only 13.51 in of rain fall altogether.

RAINFALL AT Cartmel Broughton Hall

Lat.....

Lon.....

County of Lancashire

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

Observer G.W. Hensworth

Diameter	15										
Height	2	8									
Altitude	2300										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	5.00	2.64	9.97	6.88	5.71	7.43	3.39	8.35	5.30	2.48	5.715
February	2.94	5.18	5.97	1.05	2.88	1.40	5.77	4.10	3.07	3.61	3.597
March	2.43	2.62	5.30	3.95	3.79	1.25	4.03	4.05	2.20	2.58	3.220
April	1.99	3.98	2.16	.86	1.29	1.68	3.23	2.68	2.73	1.6	2.224
May	3.59	1.70	1.79	3.31	1.23	2.48	.46	3.31	4.61	2.02	2.450
June	2.01	2.06	5.86	2.49	2.13	5.53	4.86	2.65	4.87	6.01	3.847
July	1.91	5.43	5.95	5.31	2.26	3.24	4.10	5.62	.82	6.36	4.100
August	2.05	3.61	5.68	7.31	7.95	3.92	3.68	6.44	6.27	4.56	5.147
September	3.59	5.05	10.35	3.56	5.81	7.20	5.25	4.41	5.62	5.14	5.398
October	+1.57	7.26	7.64	8.05	10.92	5.48	3.96	8.91	5.47	2.77	7.203
November	3.58	1.22	5.81	2.95	5.03	7.06	3.44	8.74	2.60	1.06	4.149
December	2.61	5.99	4.58	2.49	3.53	2.88	7.06	6.11	2.61	3.15	4.101
TOTALS	43.27	46.74	71.06	48.21	52.53	49.55	49.23	65.37	46.17	41.38	51.351

C C C

Cartmel church 1 1/4 mile S.

RAINFALL AT *Carlisle, Broughton Hall*

Lat.

Lon.

County of

Lancashire

Rain Gauge, by

Observer *Col. Ainsworth, M.P.**Leven + 6.2.*

Diameter	5										
Height	2.8										
Altitude	210T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January66	.99	3.53	7.79	7.77	2.97	4.43	3.57	2.43	3.78	3.792
February	3.63	5.17	4.74	2.94	3.07	5.27	1.90	2.30	1.06	3.05	3.313
March	2.80	5.67	4.14	1.14	4.02	5.40	4.98	2.30	2.89	3.22	3.656
April	1.88	2.37	4.90	2.25	1.23	2.18	3.03	2.40	1.53	3.04	2.481
May	2.37	4.80	3.38	1.83	3.66	2.47	5.71	2.06	1.63	3.59	3.150
June	3.98	5.26	5.15	3.54	.97	1.86	2.26	.39	1.69	1.15	2.624
July	5.16	7.17	7.62	2.20	7.70	4.14	7.64	2.25	6.81	3.61	5.430
August	1.62	7.46	4.15	4.94	1.62	2.33	3.17	2.50	4.00	6.00	3.779
September	4.64	3.07	2.98	4.76	5.60	6.79	6.98	4.29	1.83	3.08	4.402
October	1.23	3.06	4.48	5.36	4.17	5.57	7.39	2.41	4.54	5.48	4.369
November	6.95	6.47	8.07	6.91	2.15	4.36	5.70	2.93	6.27	2.43	5.224
December	7.32	4.74	4.12	4.28	6.04	2.11	5.73	3.64	4.70	3.97	4.605
TOTALS	42.24	56.23	57.26	47.94	48.00	45.45	58.31	31.04	39.38	42.40	46.825

1880 Gauge moved about 30 yards further from
the house during the year

RAINFALL AT Cartmel Priory Hall

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer Col Ainsworth

Leven & 62

Diameter	5										
Height	2 8										
Altitude	210 m										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	7.44	3.07	4.93	1.53	4.01	3.21	3.42	1.30	5.14	6.08	4.013
February	1.02	.41	1.86	6.90	8.86	.68	3.56	3.42	4.15	3.23	3.409
March	4.59	1.83	1.34	2.04	2.84	5.59	6.33	6.67	1.58	2.40	3.521
April	1.97	2.82	1.91	.92	1.73	3.26	1.63	3.14	3.77	4.90	2.605
May	3.69	1.78	5.29	3.37	3.46	.55	.38	2.24	3.88	3.81	2.845
June	4.04	1.70	2.76	1.67	4.00	2.39	3.43	5.41	3.84	1.79	3.192
July	4.34	3.54	2.16	5.18	3.56	5.48	4.95	1.56	.69	3.29	3.175
August	5.46	9.93	8.76	5.28	4.43	4.63	3.46	5.50	8.86	.98	5.729
September....	5.85	6.82	8.14	5.21	.36	1.30	7.48	5.50	2.33	5.89	4.888
October.....	3.26	4.65	4.77	7.30	4.86	5.98	4.99	3.05	5.79	3.92	4.857
November....	7.55	5.32	4.72	2.71	6.44	4.62	1.84	8.30	4.87	3.91	5.028
December....	.63	8.39	3.58	4.52	5.58	5.44	7.96	8.65	5.83	3.18	5.276
TOTALS ...	49.84	50.26	50.22	46.63	50.13	43.13	49.43	54.74	50.73	43.38	48.849

1890 Cartmel Priory 1 1/4 miles S

1898 June 25th Gauge moved 250 yards SW

1870-

RAINFALL AT Cartmel Broughton Hall

Lat. Lon. County of Lancashire North
Rain Gauge, by Observer Col Ainsworth

Leven 2

Diameter ..	5										MEANS.
Height ..	2.8										
Altitude ..	225										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ..	6.54	2.81	3.08	5.13	5.13						
February ..	4.83	1.10	2.02	3.37	3.63						
March ..	1.45	3.49	3.00	4.42	3.51						
April ..	3.11	2.97	1.42	1.79	3.84						
May ..	2.40	1.78	2.71	4.00	2.58						
June ..	3.97	2.46	1.20	2.63	1.55						
July ..	2.63	1.42	3.62	4.95	2.53						
August ..	6.69	4.64	4.10	7.32	3.54						
September ..	3.46	2.00	2.38	8.05	2.85						
October ..	8.85	4.19	4.07	9.75	3.57						
November ..	4.80	5.83	4.42	4.07	4.38						
December ..	7.53	5.33	4.89	4.21	5.01						
TOTALS ..	55.26	38.02	36.91	59.69	42.12						

Cartmel Field Broughton Church 1 mile S E

Station 3½ " 5