

## RAINFALL AT Cockermouth Broughton Grange

Lat.  $54^{\circ} 40' 15''$  N Lon.  $3^{\circ} 25' 15''$  W County of Cumberland

..... Rain Gauge, by ..... Observer ..... f. S. Wilson

Diameter.....				5"				5"			
Height .....				1.3				1.6	1.6		
Altitude.....				π	π			209			
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....				3.70	5.15	4.70	2.42	8.29	3.31	1.57	
February.....				.57	3.16	1.43	4.11	3.56	2.64	1.97	
March.....				3.08	2.91	.96	3.68	1.97	1.66	3.09	
April.....				.40	1.29	1.53	2.59	2.58	1.81	.80	
May.....				1.76	1.08	2.40	.68	3.37	1.65	2.44	
June.....				2.81	1.19	3.16	5.10	3.96	2.03	4.07	
July.....				9.85	3.13	2.99	2.08	5.04	.70	5.77	
August.....				4.60	7.06	3.01	4.40	6.44	3.92	4.07	
September.....				2.81	6.52	6.29	4.44	3.44	5.05	5.41	
October.....				6.26	9.11	3.46	3.57	6.09	5.01	1.94	
November.....				2.57	4.36	3.30	2.56	9.72	3.04	1.89	
December.....				1.91	2.28	3.36	5.02	4.81	1.77	3.26	
TOTALS.....				47.24	36.59	40.65	39.27	32.59	36.28		

1879 Gauge stands in an open Kitchen garden

Broughton grange 300 yds N.W.

## RAINFALL AT Cockermouth, Broughton Orange

Lat.

Lon.

County of Cumberland

Rain Gauge, by

Observer G. S. Wilson, Esq.

Derwent - 2

Diameter .....	5											
Height .....	1.6						1.3					
Altitude .....	2097											
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January .....	1.03	5.8	3.23	5.01	5.70	2.70	3.62	3.40	1.86	2.75	2.988	
February .....	3.83	3.32	3.33	3.12	5.08	6.10	1.62	2.48	.72	2.02	3.163	
March .....	1.71	3.36	3.14	1.84	4.01	4.06	4.05	1.15	3.02	2.81	2.915	
April .....	3.07	1.27	3.44	1.91	1.29	2.52	2.68	2.85	1.88	1.98	2.289	
May .....	1.35	2.83	2.08	1.44	4.19	2.09	4.80	2.02	1.57	3.07	2.544	
June .....	2.20	4.52	4.18	3.63	.78	1.63	.96	.64	1.52	.95	2.101	
July .....	4.61	4.21	5.74	1.98	4.62	3.50	4.84	3.43	5.37	3.11	4.141	
August .....	8.5	5.14	3.40	3.25	2.25	2.07	2.57	1.70	3.40	5.01	2.964	
September .....	4.56	1.81	3.00	3.64	4.81	5.90	6.14	5.03	2.02	2.91	3.982	
October .....	1.61	2.48	2.71	4.98	3.01	3.97	5.02	3.23	4.47	4.25	3.573	
November .....	4.92	6.63	5.48	6.65	1.86	2.57	5.59	2.53	4.29	2.07	4.259	
December .....	4.63	2.84	3.43	4.57	4.52	2.09	4.97	3.18	3.73	4.78	3.868	
TOTALS .....	34.87	35.99	43.74	41.96	42.12	39.20	46.86	31.64	33.85	35.71	38.787	

1880. Lt. Broughton  $\frac{1}{4}$  mile NW.  
fruit trees 15ft high 30ft W+S.

RAINFALL AT Cockermouth Broughton Grange  
 Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of Cumberland  
 Rain Gauge, by \_\_\_\_\_ Observer C. S. Wilson Esq

Derwent - 2

Diameter .....	5										
Height .....	1 3										
Altitude .....	209 A										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	5.50	2.31	3.39	1.58	3.97	2.32	2.53	.80	3.67	5.85	2.192
February .....	.71	.47	1.54	4.10	5.17	.44	2.40	2.77	3.74	2.56	2.390
March .....	2.39	1.86	1.19	1.35	2.07	3.96	5.68	5.47	1.51	3.02	2.850
April .....	.99	.94	1.11	.68	2.18	2.13	2.18	2.17	3.76	3.10	1.924
May .....	2.69	1.76	4.13	2.06	4.16	.29	.57	2.74	3.09	3.93	2.542
June .....	3.87	1.17	3.50	2.97	3.44	.75	3.13	3.51	3.49	1.56	2.739
July .....	3.66	2.34	2.59	4.17	2.51	4.44	3.87	2.11	.76	3.27	2.972
August .....	3.29	9.41	8.97	5.21	5.57	6.61	3.18	4.46	6.42	1.99	5.571
September .....	5.60	6.91	7.35	4.14	.36	1.49	4.87	5.21	2.71	6.07	4.491
October .....	3.04	6.21	4.27	4.86	3.62	5.85	7.06	3.12	3.71	4.62	4.626
November .....	8.02	4.23	3.32	2.48	5.58	3.56	1.64	8.19	4.16	5.26	4.644
December .....	.68	7.76	2.59	5.50	4.19	3.69	4.59	6.08	4.65	3.31	4.801
TOTALS .....	40.44	45.37	43.95	39.10	42.82	35.53	41.70	46.63	41.67	44.54	42.175

1890 Great Broughton Church 1/4 Mile W 1880-

RAINFALL AT Gockermouth Broughton Grange

Lat.

Lon.

County of Cumberland

Rain Gauge, by Casella

Observer C. S. Wilson Esq.

Demur - 2.

Diameter ..	5											
Height ....	1.3											
Altitude ..	209 ft											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.05	2.68	3.15	4.32	3.70	1.25	5.67	1.45	4.84	3.38	33.99	
February ..	4.51	1.66	.84	5.18	3.05	2.54	2.66	2.00	2.92	2.35	27.71	
March ..	.46	1.91	2.12	6.61	2.86	3.25	2.40	4.24	3.69	3.67	31.21	
April ..	2.29	3.01	1.55	1.55	3.03	3.54	1.42	2.54	1.53	2.83	23.29	
May ..	2.90	1.56	2.69	2.63	2.80	2.67	4.77	3.98	2.70	1.73	28.43	
June ..	3.45	2.50	1.57	1.29	1.44	1.89	1.75	5.54	2.93	2.53	24.89	
July ..	1.91	.88	3.47	4.52	2.77	2.61	2.50	1.88	3.62	6.98	31.14	
August ..	8.56	4.28	2.86	5.54	4.07	3.26	5.59	4.64	4.70	2.61	46.11	
September ..	3.62	2.45	1.61	5.15	2.38	3.18	1.37	.36	4.72	2.42	27.26	
October ..	5.31	5.93	3.32	8.75	2.52	2.67	5.95	7.08	1.75	8.66	51.94	
November ..	4.22	4.87	2.25	3.79	3.73	3.96	4.17	4.37	3.27	2.11	36.74	
December ..	7.43	5.06	3.77	9.50	4.87	3.11	3.37	5.89	3.30	6.78	47.08	
TOTALS ..	48.71	36.79	29.20	52.83	37.22	33.93	41.62	43.97	39.47	46.05	40.070	

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1900 Broughton Church  $\frac{1}{4}$  mile W

1903 Brougham Station  $\frac{1}{2}$  mile S E

Cottages etc

RAINFALL at Cockermouth Broughton Grange  
 County of Cumberland Observer G. S. Wilson Esq  
 River Basin Derwent 2  
 Rain Gauge, by Casella

Diameter ...	5										
Height .....	1.3										
Altitude ...	209 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.43	2.41	2.24	2.65	3.27						
February ...	6.12	4.50	2.15	2.58	5.16						
March .....	3.20	1.12	5.04	4.55	3.59						
April .....	2.49	4.51	.73	4.77	1.54						
May .....	2.64	3.00	2.35	2.64	2.37						
June .....	1.51	5.07	6.02	3.34	1.53						
July .....	3.81	1.15	4.25	.79	5.45						
August .....	5.32	2.47	5.69	2.82	3.93						
September ..	.91	2.79	1.48	2.43	2.44						
October ...	2.69	4.46	4.61	4.07	1.33						
November ...	4.23	6.56	4.98	4.06	6.19						
December ...	4.82	7.70	6.27	4.05	6.59						
TOTALS ...	41.17	45.74	45.81	38.75	48.39						

Date.	Lat. N. -	Long. -	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	54° 40' 15" N	3° 25' 15" W	Brougham	½ mi	SE	Broughton	¼ mi	W