

RAINFALL AT Keswick
Barrow House

60

S Z Langton Esq.
Rain { By N B F
Gauge Diameter 2 in.

Height above Ground, 11 ft. 2 in. Above Mean Sea Level, 270 ft.

YEAR	1867	1868	1869	MEANS.
January	47.17	11.83	10.72	
February	7.08	9.42	13.63	
March	4.62	10.63	1.07	
April	9.01	5.09	2.93	
May	3.49	3.55	2.56	
June	1.91	1.65	2.34	
July	4.45	.87	2.62	
August	3.30	7.90	2.55	
September ...	6.09	2.69	15.27	
October	8.44	9.63	4.77	
November ...	1.15	5.25	11.00	
December.....	4.94	16.04	13.91	
TOTALS.....	61.65	84.60	83.43	

c c c

No wall nor trees within 30 ft - On lawn slightly sheltered by a bank 7 ft high, the slope of which begins 7 ft from the gauge -

We only commenced observations on the 1st of Feb (1867) **** I have kept a rough rain gauge for some years & have continued during the last for the sake of comparison. It gives 50 in for the last 11 months which you will observe is 4.48 in less than the correct gauge - according to the former the Rainfall of January was 7.15 in. My rough gauge shows an average Rainfall of 66 inches for the last ten years **** extract from letter from S. Z. Langton dated Jan 2^d 1868.

RAINFALL AT Herwick Barracks House.

Lat.....

Lon..... County of Cumbria.....

Rain Gauge, by..... Observer S Z Langton Esq!

Diameter8
Height6
Altitude	282
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS,
January.....	8.16	6.99	16.74	16.60	8.94	11.03	4.72	13.83	6.91	1.59	9.537
February	7.62	6.24	8.00	1.30	6.28	1.79	6.52	6.99	4.49	4.73	5.396
March	3.14	5.58	5.19	4.83	5.23	2.84	6.30	4.49	3.93	5.92	4.745
April	3.33	2.87	2.56	6.64	4.75	2.00	4.10	2.91	2.74	2.52	2.842
May	7.54	1.36	4.55	2.24	1.28	4.04	7.74	6.74	5.68	1.73	3.590
June.....	1.84	2.30	5.86	3.07	1.52	5.37	5.06	5.92	3.34	6.90	4.118
July	1.95	5.85	4.57	9.78	3.36	3.99	2.82	6.46	1.04	7.71	4.647
August.....	3.59	5.79	4.52	7.99	10.77	3.92	6.42	7.36	5.13	8.03	6.352
September.....	8.68	3.00	9.31	4.48	10.52	7.58	5.36	4.52	8.36	7.04	6.885
October.....	13.97	6.03	11.26	8.79	18.59	5.63	5.37	13.06	10.21	2.79	9.570
November.....	5.57	2.78	11.38	4.56	5.95	6.38	3.72	17.29	3.71	2.09	6.343
December.....	2.43	10.31	10.99	4.63	3.53	8.02	11.47	8.38	3.20	6.81	6.977
TOTALS.....	66.82	59.10	94.87	68.91	80.72	62.59	62.60	97.95	38.54	57.86	71.016

C C C

1870 On lawn in front of a bank facing N and is in advance of the bank quite as much as the height of the same. There is a tree which is distant from it very nearly its own height, we cannot conveniently find a better place.

RAINFALL AT Keswick, Barrow-in-Furness

80

Lat.

Lon.

County of Cumberland

Rain Gauge, by

Observer S.L. Langton, Esq.

Derwent - 2.

Diameter	8										
Height	6										
Altitude	282 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	3.90	4.47	6.51	14.61	11.83	5.08	7.61	7.79	4.60	4.28	
February	9.57	5.50	9.52	10.44	8.78	14.80	1.56	5.28	1.54	3.95	
March	2.65	8.06	3.40	4.51	7.71	5.88		2.15	6.61	3.70	
April	5.53	1.48	5.65	2.89	2.09	5.21		4.55	3.68	3.52	
May	1.64	6.67	3.88	4.62	6.42	3.79	7.51	2.34	5.04	3.68	
June	4.64	6.76	6.55	4.85	8.82	1.98	1.70	4.42	1.38	.66	
July	5.52	5.82	10.68	11.00	6.80	3.18	5.58	5.30	6.99	3.66	
August	1.97	7.94	4.90	6.80	1.34	4.44	4.26	2.60	5.27	7.57	
September....	7.03	2.69	5.31	8.68	8.10	9.41	11.02	7.18	1.91	4.17	
October.....	2.97	4.24	5.48	10.51	4.17	9.44	8.61	3.89	10.68	8.89	
November....	11.71	13.53	11.44	11.96	4.22	4.74	7.46	5.76	11.67	3.37	
December....	7.57	8.18	5.32	6.67	9.92	14.02	7.74	6.59	11.39	6.32	
TOTALS	644.70	71.34	82.64	90.54	72.20	71.97		53.86	70.76	53.77	

St. John's Church Keswick 2 miles

1884 Iron railing 4 ft high 4 ft N.
Bank ~ " 8 ft S.

1886 March & April Observations absent observations neglected

RAINFALL AT Keswick Barrow House

Lat.

Lon.

County of

Cumberland

Rain Gauge, by

Observer

Miss Langton

Derwent - 2.

Diameter	8										
Height	0 6										
Altitude	282										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	14.79	6.54	6.48	5.24	12.34	3.92	5.12	1.58	5.51	12.24	7.196
February	1.54	4.46	3.22	9.98	13.42	1.63	6.53	6.36	7.40	6.46	5.900
March	4.91	8.05	2.61	3.58	5.54	6.41	10.54	11.84	2.13	5.80	5.6111
April	1.93	4.70	1.80	1.03	2.47	4.16	3.67	4.27	6.37	5.95	2.635
May	4.00	3.80	6.01	2.79	5.02	1.02	.82	3.45	3.93	4.95	3.5799
June	5.29	1.89	4.87	3.70	3.35	1.43	4.67	4.45	4.68	1.03	2.526
July	5.50	3.79	4.05	5.77	3.50	6.77	4.72	2.66	1.34	3.21	11.121
August	5.34	15.04	8.03	6.69	6.01	7.58	4.35	10.65	6.83	2.44	7.296
September	7.22	12.60	10.78	6.38	.58	2.84	10.38	7.61	3.65	8.97	7.101
October	4.41	13.50	8.28	8.37	7.09	7.22	9.24	5.78	7.37	7.40	9.866
November	13.13	8.14	6.31	6.32	13.28	9.07	2.39	9.16	10.50	11.87	9.019
December52	16.13	2.94	12.48	8.73	7.59	8.02	16.61	13.32	4.80	9.1111
TOTALS	68.58	89.64	65.38	70.33	81.33	59.64	70.45	84.42	73.03	75.12	79.792

RAINFALL AT Keswick Barrow House

Lat.

Lon.

County of

Cumberland

Rain Gauge, by

Observer. Miss E. G. Langton

Derwent - 2.

Diameter ..	8										
Height ..,	0.6										
Altitude ..	282 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MHANS.
January ..	8.62	5.39	6.38	11.68	9.35						
February ..	5.81	2.49	2.15	11.11	6.49						
March91	4.62	4.91	16.12	4.73						
April.....	3.86	4.02	4.81	1.99	6.44						
May	5.37	1.57	3.25	3.06	3.96						
June	5.09	3.27	1.40	1.73	2.36						
July	3.12	1.51	3.30	5.72	4.16						
August	7.59	5.74	2.62	9.58	6.22						
September..	5.23	4.18	4.57	6.55	3.56						
October....	8.86	6.02	6.80	15.02	3.74						
November ..	5.83	6.36	6.26	5.07	6.03						
December ..	16.41	7.73	9.86	6.41	8.17						
TOTALS ..	76.70	52.90	56.31	94.04	65.21						

D

1901 St John's Church 2 miles N.E.