

Rainfall at Kendal, St George's Church
on W. side of a valley running NE-SW; at the S. extremity of the Mountainous Lake District

Observer S. Marshall Esq. Authority

E-20

1861

YEAR	Diam. 8in. + Ground 4ft. bin								MEANS.		
	1820	1821	1822	1823	1824	1825	1826	1827			
January	2.99	4.47	1.55	2.90	3.91	5.93	1.82	8.63	6.19	.75	3.914
February	2.71	.16	7.25	5.52	2.90	5.53	10.77	2.70	4.63	1.23	4.343
March	1.86	5.74	9.02	3.05	6.30	2.96	2.26	8.60	2.44	.87	4.318
April	.75	5.50	2.34	3.23	2.38	2.21	2.75	2.55	4.01	3.51	2.923
May	4.88	2.76	2.28	7.04	.68	4.00	.37	3.48	1.96	1.98	2.953
June	2.67	.59	1.58	3.42	2.03	6.33	.75	4.26	3.08	4.20	2.891
July	4.01	2.37	8.34	7.86	1.72	.70	3.55	3.17	3.50	5.57	4.079
August	8.15	4.43	4.30	7.75	2.98	4.56	4.60	5.21	5.58	9.38	5.694
September	6.63	7.24	2.87	5.74	5.62	6.62	3.45	3.35	4.50	5.24	5.124
October	4.25	6.58	8.49	6.22	7.60	6.99	4.36	3.01	4.92	6.68	5.910
November	2.25	9.22	10.88	3.40	13.43	10.03	4.80	2.63	4.79	3.86	6.478
December	4.30	6.29	3.80	6.62	13.21	4.01	4.08	10.86	9.25	2.90	6.480
TOTALS	45.45	55.35	63.73	62.75	62.76	59.97	45.06	58.00	54.83	46.17	53.107

C C C C C C C C C C

1826-5 totals } Ed front of See. 2. n. & say book
1826-9 }
1823 Almanac

1822-23 M.S. Met Soc agree

1828 Oct 7th 9 AM to 8th 9 AM 1.420 in

1829 Augt. 2 " to 3rd " " 1.087 "

4 13 " 14th 1.180 "

" 22 " 23rd 1.235 " "

Mr. Marshall's observations began in 1822

N.Y. Sta. No. 45-585680

NGR: SD (34) 513928

alt 45m

Rainfall at Kendal, St George's Church
= 1/Sec 1/ =

E-W 1/4
30

Observer J. Marshall

Authority

Y361a

Diam. 8in.

+ Ground. 4ft. 6in.

+ S.L. 149ft.

YEAR --	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January - -	.45	1.62	2.28	1.63	14.76	5.35	3.94	3.43	1.71	5.32	4.047
February - -	4.77	8.21	4.26	4.58	5.72	8.82	3.92	5.84	1.01	5.74	5.287
March - - -	5.05	6.03	3.55	2.07	5.17	5.05	6.34	1.98	4.00	6.07	4.531
April - - -	5.66	2.44	2.25	3.75	1.04	1.59	2.84	1.61	2.95	1.26	2.537
May - - - -	2.83	.78	1.60	2.53	1.64	3.06	.05	1.20	2.13	.71	1.647
June - - - -	5.29	2.68	4.64	7.72	6.70	1.25	8.00	3.61	2.89	3.10	4.588
July - - - -	4.96	4.08	2.64	2.23	5.05	6.26	9.05	4.73	6.07	8.46	5.353
August - - -	4.22	3.90	4.43	1.97	6.17	3.11	3.76	3.11	7.63	7.28	4.558
September -	8.03	6.39	2.30	3.53	4.91	7.81	5.90	4.18	2.71	7.44	5.320
October - -	4.69	11.81	8.35	3.75	4.72	4.39	3.97	5.32	7.03	3.80	5.733
November -	10.02	8.56	5.37	7.44	4.21	6.51	8.01	6.18	4.03	4.35	6.448
December -	2.08	4.98	8.04	14.22	5.05	2.89	8.55	7.20	3.58	4.94	6.153
TOTALS -	58.03	61.12	49.69	55.42	65.14	55.89	64.33	48.39	45.74	57.97	56.202

C C C C C V C C C C C

1830-1 Ed: Four. of Sci

2-5 Ed: Geo-Phil: Journal Profits for May of Pop. Sci

5-6-7 Trans: Met. Soc: p 1148-117

89 My of Met Soc

5-7 Whistcraft Coli of Longsd

Avg Sta. No. 45. 585680

NGR: SD (34) 513928

alt 45m.

Rainfall at Kendal, St George's Church
= = / Oct 1/ =

E. x. 17 40

Observer S Marshall Authority

Gauge Diam. 8in. + Ground 4ft Above Sea Level 149ft

YEAR - -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -	8.13	3.46	3.50	5.29	5.80	3.91	6.84	2.35	3.11	8.49	5.088
February - -	4.96	3.02	2.72	1.04	4.54	2.18	3.40	2.92	10.24	2.36	3.738
March - - -	1.41	3.52	5.98	1.90	6.02	4.83	6.18	2.13	4.91	.94	3.682
April - - -	1.88	2.44	1.55	7.72	2.86	3.28	3.65	2.89	1.12	1.21	2.710
May - - - -	3.25	4.01	3.26	3.70	1.14	1.40	1.63	5.26	1.40	2.22	2.707
June - - - -	2.77	2.52	4.38	5.12	3.76	4.12	2.83	3.86	5.20	1.14	3.570
July - - - -	6.37	4.59	5.88	5.26	3.25	2.83	7.48	3.05	4.52	5.42	4.862
August - - -	5.49	7.04	3.13	6.37	3.45	4.14	4.45	3.33	4.11	4.81	4.632
September -	6.76	4.97	1.51	4.0	5.38	4.51	1.57	3.60	3.19	4.21	3.610
October - -	1.82	6.68	2.92	7.88	4.21	7.42	7.84	6.72	6.99	7.33	5.981
November -	5.31	3.50	7.23	9.11	3.13	5.69	3.89	8.00	4.41	6.89	5.916
December -	1.06	7.30	7.02	2.52	4.7	9.04	2.64	8.59	7.11	3.05	4.880
TOTALS -	48.21	53.85	48.08	56.31	43.01	53.35	52.37	52.20	56.31	48.07	51.176

40, 41, 42, 43 - Mts of Met Soc

42 Quarterly Journ. Met

43 Journ. Met Soc 6-54

41 Crosby = 61.24

1845 given as above in Mr. Ch. printed annual statement

Hyd Sta. No. 45 - 585680

NGR SD (34) 513928

alt 45m

Rainfall at Kendal, St George Church
= 1/2 in 1) =

E - f - 50

S. Marshall

Diam. 8 in. + Ground. 4 ft. bin. + S.I. 149 ft.

YEAR --	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January --	3.55	10.16	9.89	6.70	5.15	.57	4.33	4.52	3.17	6.52	5.446
February --	7.95	3.74	7.91	1.00	2.99	1.12	5.34	3.93	.47	4.02	3.855
March --	.94	3.33	.21	2.14	2.65	3.43	.36	3.66	2.90	5.62	2.584
April --	5.18	1.95	1.11	3.08	.69	1.60	2.38	1.66	2.20	3.90	2.375
May --	2.20	1.15	4.05	.80	3.25	1.60	3.11	2.42	3.16	.12	2.186
June --	3.81	5.09	4.98	3.08	4.41	3.78	4.57	3.99	1.41	2.02	3.714
July --	4.68	4.88	3.45	6.83	2.77	4.05	2.01	3.05	3.31	1.76	3.679
August --	5.74	4.60	7.62	2.68	5.13	4.90	6.33	2.22	3.37	5.22	4.781
September -	2.06	2.12	2.12	3.52	3.27	1.41	3.16	2.91	7.24	7.34	3.515
October --	3.65	6.23	3.67	5.01	4.47	7.37	5.4	2.94	5.37	2.76	4.201
November -	5.72	1.76	7.58	4.00	3.22	2.43	1.19	2.71	3.16	5.08	3.685
December -	4.10	2.65	12.76	.54	8.13	2.28	6.16	4.49	4.47	3.93	4.951
TOTALS -	49.58	47.56	65.35	39.46	46.13	34.54	39.48	38.50	40.23	48.29	44.012

Gauge moved from School in 1851

1850 - Agrees with PP table

1. Almanacs

6 ab. 2 Agree with ppt by F.M.

1853 - Agrees with PP table

1854 - " " "

Kendal Alm. No. 45.585680

NGR. SD (34) 513928

alt 45 m

9 Agrees with ppt

Kendal, St George Church =/ Site 1/ =

Samuel Marshall

Gauge 8 in dia. 4 ft + ground; 149 ft + m.s.l.

YEAR --	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January --	8.71	3.74	4.75	7.72	5.17	4.60	7.33	6.56	4.00	5.34	5.801 +
February --	2.60	5.74	1.05	3.32	3.97	4.80	6.16	5.23	6.67	8.40	4.794
March -- -	5.80	7.95	5.10	1.37	3.73	1.79	3.53	2.11	7.06	1.42	3.986
April -- -	2.09	.55	5.12	3.56	2.26	1.21	1.61	5.76	3.08	3.98	2.922
May -----	2.72	.71	4.70	3.83	1.86	6.56	1.86	2.42	2.06	2.73	2.945
June -----	7.79	3.01	4.54	5.37	3.63	.56	3.01	2.17	.81	1.75	3.264
July - - -	2.47	5.88	4.30	.54	3.31	1.96	3.17	3.79	.56	1.61	2.859 -
August - -	6.20	8.51	4.73	4.47	3.55	7.10	5.22	3.49	6.16	1.88	5.111
September -	3.71	5.05	2.05	7.66	6.12	1.70	9.77	5.22	2.69	10.97	5.502
October --	8.06	3.53	10.56	6.33	3.04	5.20	2.92	5.00	6.00	3.59	5.473
November -	3.10	11.40	2.19	5.49	3.81	4.27	8.39	.67	3.14	6.99	4.995
December -	3.75	3.03	5.32	4.76	7.12	2.84	7.42	4.89	10.13	6.84	5.640
TOTALS -	57.00	60.70	54.41	54.92	47.57	42.67	60.39	47.31	52.75	55.50	53.322

1861 Average of just 40 ft = 52.27

1860 Agreed with ppt by S.M.

Marshall died in autumn of 1869 but as Nelson's residence is only three houses distant the two are treated as one gauge

Hyd Sta. No. 45-585680

NGR: SD (34) 513928

alt. 45 m.

1867 - Agreed with ppt by S.M.

St George's Church = 1/Sec 2 =
 RAINFALL AT Kendal Head Terrace

70

Lat..... Lon..... County of... Westmoreland.....

..... Rain Gauge, by..... Observer R J Nelson Esq.....

At 1881-1915 Sto

Diameter	.5										
Height	1.6										
Altitude	146										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	2.67	2.85	9.87	9.44	6.76	8.44	3.73	8.94	5.69	1.93	6.332
February	3.29	5.04	5.93	6.65	3.10	1.43	6.75	4.03	2.96	3.61	3.679
March	2.85	2.66	5.61	3.30	4.38	1.78	4.80	2.95	2.58	3.54	3.440
April	2.06	3.26	2.19	5.51	1.96	1.69	2.95	2.86	3.15	1.67	2.230
May	4.87	1.83	2.73	2.52	1.05	2.63	9.82	2.97	4.88	1.89	2.635
June	1.58	1.98	4.65	2.69	1.21	5.28	3.94	2.94	3.77	6.15	3.419
July	7.25	7.67	4.80	7.30	2.98	2.40	3.42	6.19	5.56	1.12	4.268
August	1.74	6.99	4.64	5.90	7.40	3.06	3.95	5.93	4.37	5.44	4.942
September	3.09	3.94	8.18	2.94	5.76	5.75	4.95	4.41	5.40	4.09	4.857
October	10.25	6.65	7.57	8.86	12.60	3.33	4.15	8.61	5.38	2.74	6.964
November	4.05	1.96	6.64	3.33	4.22	6.57	3.23	10.35	2.44	1.61	4.400
December	2.39	5.82	6.37	2.43	3.69	3.91	9.01	5.60	2.59	4.39	4.620
TOTALS	43.09	50.25	69.18	49.37	55.11	46.22	51.86	65.78	43.76	43.18	51.780

1879 Wall 4ft high & 6ft N.E.

S: George church 800 yds N.

Ned Sta. No. 45- 585681

NGR: SD (34) 513928

alt 44 m

RAINFALL AT ~~Keudal, Fleet-Town~~ Ivy Garth 80

Lat.

Lon.

County of Prestvireland

Rain Gauge, by

Observer R. J. Nelson, Esq.

Kent - 3

Diameter	5										
Height	1.6										
Altitude	146 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January80	.46	4.11	8.76	8.07	3.31	5.45	3.97	2.92	4.74	4.259
February	4.27	5.31	5.42	3.21	3.57	6.03	1.63	2.64	.95	3.62	3.659
March	3.30	6.80	5.49	1.64	3.93	5.22	5.86	1.96	3.42	3.37	4.099
April	1.78	2.29	4.49	2.11	1.23	2.84	3.88	3.07	2.25	2.10	2.598
May	1.97	4.76	2.94	2.50	4.00	2.40	5.57	1.55	2.41	4.00	3.210
June	4.45	5.00	5.35	4.91	.87	2.43	1.89	.31	2.35	.79	2.835
July	6.69	7.12	8.28	2.09	4.01	3.88	6.15	2.90	6.26	3.57	5.095
August	1.37	7.56	4.49	4.45	1.17	3.33	2.48	2.08	4.16	5.09	3.618
September	4.53	3.05	3.37	4.40	4.53	5.58	6.98	4.05	1.61	2.23	4.033
October	1.25	3.05	3.07	5.98	3.36	4.20	7.49	2.23	5.81	6.00	4.304
November	7.80	7.41	7.35	6.86	2.40	3.81	5.38	3.23	5.54	3.18	5.296
December	6.85	6.96	4.86	4.60	7.39	2.80	6.22	4.44	5.36	4.46	5.394
TOTALS	45.06	59.77	59.82	51.9	44.47	45.83	58.98	32.37	43.04	43.15	48.400

1881. St. George's Church 400 yards N

1882 " " 500 yards NW

Stone Wall 44 m. 84 N

1884 Gauge moved about 400 yards to Ivy Garth

Hyd Sta No. 45 - 585681

NGR: SD (34) 513928

alt 44 m

RAINFALL AT Kendal St Georges Vicarage

Lat.

Long.

County of

Westmoreland

Rain Gauge, by

Observer

Rev G. Greenwood.

Kent - 3

Diameter									5	5	
Height									8	- 8"	
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									4.85	3.05	4.52
February									2.77	.90	3.79
March									2.04	3.47	3.54
April									3.09	2.26	2.33
May									1.65	2.47	4.31
June87	2.25	.88
July									2.94	6.55	3.83
August									1.99	4.06	5.81
September									4.20	1.79	2.19
October									2.86	6.03	5.94
November									3.40	5.75	3.24
December									4.18	5.67	4.59
TOTALS									33.84	44.25	44.97

St Georges Church 400 yard WSW

Trees 24 ft high 27 ft ESE

" 12 " " 21 " NNE

RAINFALL AT Kendal, Kent Turner by Garth

Lat.

Long.

County of Westmoreland

Kent. - 3

Rain Gauge, by

Observer

R. J. Nelson Esq.

Diameter	5										
Height	40	16									
Altitude	1467			176		146					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	9.00	4.16	6.87	2.01	5.51	2.70	4.20	1.04	6.06	8.48	5.003
February86	.78	1.93	7.36	9.30	.97	3.34	4.65	5.50	4.00	3.869
March	5.10	2.26	1.23	1.74	4.06	5.51	6.98	8.36	1.38	3.23	3.979
April	1.74	2.24	1.35	.86	1.71	2.79	1.98	2.94	4.70	4.86	2.517
May	2.75	2.28	5.90	2.56	3.74	1.00	.41	2.25	2.67	4.56	2.812
June	4.01	1.02	3.81	1.08	3.25	2.84	3.19	3.45	3.10	1.59	2.734
July	4.46	3.66	2.03	4.71	3.55	7.75	4.28	1.61	.80	3.25	3.610
August	5.16	10.20	9.54	4.93	4.83	6.91	2.45	5.33	8.95	2.63	6.093
September	4.82	7.07	10.00	6.27	.33	1.24	6.43	6.10	2.05	5.29	4.960
October	3.25	5.37	5.40	6.17	4.42	5.67	4.46	2.92	5.04	4.10	4.680
November	6.47	5.20	4.88	2.43	6.30	5.24	1.75	7.20	5.27	4.20	4.894
December51	9.71	2.81	5.67	7.11	5.30	8.62	8.79	7.31	3.09	5.892
TOTALS	48.13	53.89	55.75	45.79	54.11	47.92	48.09	54.64	52.83	49.28	51.043

Kendal Sta. No. 165- 585681

NGR. SD (84) 573928

alt 44m

RAINFALL AT Kendal St. Georges Vicarage

Lat.

Lon.

County of Westmoreland

Rain Gauge, by

Observer

Rev G. Crewdson

Kent - 3

Diameter	5									
Height	8									
Altitude										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	MEANS.
January	9.17	4.58	6.32							
February97	8.6	1.98							
March	5.23	2.21	1.17							
April	1.47	(2.20)	1.73							
May	2.30	(2.69)	6.07							
June	3.76	1.16	3.81							
July	5.41	3.69	2.20							
August	5.03	9.77	6.85							
September	4.88	7.99	9.28							
October	3.45	4.67	5.62							
November	6.77	5.02	5.01							
December46	9.57	2.95							
TOTALS	48.90	(51.41)	52.99							

1891 April 9th to May 4th from the Kent Terrace record
part of the original register having been destroyed.