

Rainfall at Kendal, St George's Church

20

on W. side of a valley, running NE-SW; at the S. extremity of the Mountains Lake District

Observer S. Marshall Esq.

Authority

1261

	Diam. 8 in.		+ Ground 4 ft. bin		149 ft. above sea						
YEAR --	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	MEANS.
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	7.28	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	8.68	2.44	.87	4.318
April --	.75	5.50	2.34	3.23	2.38	2.21	2.75	2.55	4.01	3.57	2.923
May ---	4.88	2.76	2.28	7.04	.68	4.10	.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	3.33	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	4.50	2.62	4.79	3.86	6.478
December -	4.30	6.29	3.80	6.62	13.21	4.01	4.08	10.36	9.23	2.90	6.480
TOTALS -	45.45	55.35	62.73	62.75	62.76	59.97	43.06	58.00	54.83	46.17	55.107

1822-5 totals } 2d Journal of Sci. 2. N. and my Book
1826-9

23 Muses Almanac

1822-23 M.B. Met Soc agree

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

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

" 13 " 14th 1.188 "

" 22 " 23rd 1.235 "

Mr. Marshall's observations began in 1822

Hyd. Sta. No. 45-585680

NGR: SD (34) 53928

alt 45m

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

E-10-14
 30

Observer - J. Marshall

Authority

Y361a

Diam. in.

+ Ground. 14ft. 6in.

+ S.I. 149ft.

YEAR --	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January --	.48	1.62	2.28	1.63	14.76	5.35	3.94	3.43	1.71	5.32	4.047
February --	4.77	0.21	4.26	4.58	5.72	0.02	3.92	5.04	1.01	5.74	5.207
March ---	5.05	6.03	3.55	2.07	5.17	5.05	6.34	1.90	4.00	6.07	4.531
April ---	5.66	2.44	2.23	3.75	1.04	1.59	2.84	1.61	2.95	1.26	2.537
May ----	2.03	.72	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	0.00	3.61	2.09	3.10	4.580
July ----	4.96	4.08	2.64	2.23	5.05	6.26	9.05	4.73	6.07	0.46	5.353
August ---	4.22	3.90	4.43	1.97	6.17	3.11	3.76	3.11	7.63	7.28	4.550
September -	0.03	6.39	2.30	3.53	4.91	7.01	5.90	4.10	2.71	7.44	5.320
October --	4.69	11.81	0.35	3.75	4.72	4.39	3.97	5.32	7.03	3.80	5.733
November -	10.02	0.56	5.37	7.44	4.21	6.31	0.01	6.18	4.03	4.35	6.440
December -	2.08	4.90	0.04	14.22	5.05	2.09	0.55	7.20	3.50	4.94	6.153
TOTALS -	58.03	61.12	49.69	55.42	65.14	55.89	64.33	40.39	45.74	57.97	56.202

c c c c c c c c c c c c

1830-1 Ed. Jour. of Sci

2-5 Ed. New Phil. Journal (prints from Mag. of Pop. Sci)

5-6-7 Trans. Met. Soc. p. 1142-117

29 Mts of Met Soc

5-7 Whistler's Coll. of Engd

Hyp. Sci. Co. 45. 585680

N&R: SD (34) 513928

alt 45m

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

C. X. 17

40

Observer J Marshall

Authority

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

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 - - -	4.1	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	2.39	1.12	1.21	2.710
May - - -	3.25	4.01	3.26	3.70	1.4	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	7.45	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	5.716
December -	1.06	7.30	7.02	2.52	.47	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 4'41

42 Quarterly Journ. Met

43 Journ of Reg Soc 6-54

41 Grosley = 61.24

1845 given as above in Mr. M^r. printed annual statement

Hyd Sta. No. 45 - 585680

NGR SD (34) 513928

alt 465m

Rainfall at Kendal, at George's Church
 = (Site 1) =

E-7-50

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	10.06	9.89	6.70	5.15	.57	4.33	11.52	3.17	6.52	5.446
February - -	7.95	3.74	7.91	1.08	2.99	1.12	5.34	3.93	.47	11.02	3.855
March - - -	.94	3.33	.21	2.14	2.65	3.43	.36	3.66	2.90	5.62	2.524
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	.54	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	3.655
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 V.P. table

1. *Memories Almanac*

6 *do* 2. Agrees with ppt by J.F.M.

1853 - Agrees with V.P. table

1854 - " " "

Regd. No. 45-585680

N.R. 50 (34) 513928

alt. H.S. ans

9 Agrees with ppt

Kendal, St George Church = 2/ Site 1/0 =

Samuel Marshall

Gauge 8 in dia 4 ft 6 in 62.4 179 67
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	4.09	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	6.88	4.30	.54	3.31	1.96	3.17	3.79	.56	1.61	2.859 -
August --	6.20	8.31	4.73	4.47	3.55	7.10	5.22	3.49	6.16	1.80	5.111
September -	3.71	5.85	2.05	7.66	6.12	1.70	9.77	5.22	2.69	10.97	5.582
October --	8.06	3.53	10.56	6.33	3.04	5.20	2.92	5.00	6.00	3.59	5.423
November -	3.10	11.40	2.19	5.99	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	10.43	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 - Agrees 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) 573928

alt 45 m.

1867 - Agrees with ppt by S.M.

RAINFALL AT *Kendal Kent*

St George's church 22/Sept/02

70

Lat..... Lon..... County of *Westmorland*.....

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

Av 1881-1915 *510*

Diameter	<i>.5</i>											
Height	<i>1.6</i>											
Altitude	<i>146</i>											
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	<i>3.67</i>	<i>2.85</i>	<i>9.87</i>	<i>9.44</i>	<i>6.76</i>	<i>8.44</i>	<i>3.73</i>	<i>8.94</i>	<i>5.69</i>	<i>1.93</i>	<i>6.332</i>	
February	<i>3.29</i>	<i>5.04</i>	<i>5.93</i>	<i>.65</i>	<i>3.10</i>	<i>1.43</i>	<i>6.75</i>	<i>4.03</i>	<i>2.96</i>	<i>3.61</i>	<i>3.679</i>	
March	<i>2.85</i>	<i>2.66</i>	<i>5.61</i>	<i>3.30</i>	<i>4.38</i>	<i>1.73</i>	<i>4.80</i>	<i>2.95</i>	<i>2.58</i>	<i>3.54</i>	<i>3.440</i>	
April.....	<i>2.06</i>	<i>3.26</i>	<i>2.19</i>	<i>.51</i>	<i>1.96</i>	<i>1.69</i>	<i>2.95</i>	<i>2.86</i>	<i>3.15</i>	<i>1.67</i>	<i>2.230</i>	
May	<i>4.87</i>	<i>1.83</i>	<i>2.73</i>	<i>2.52</i>	<i>1.05</i>	<i>2.63</i>	<i>.98</i>	<i>2.97</i>	<i>4.88</i>	<i>1.89</i>	<i>2.635</i>	
June.....	<i>1.58</i>	<i>1.98</i>	<i>4.65</i>	<i>2.69</i>	<i>1.21</i>	<i>5.23</i>	<i>3.94</i>	<i>2.94</i>	<i>3.77</i>	<i>6.15</i>	<i>3.419</i>	
July.....	<i>7.25</i>	<i>7.67</i>	<i>4.80</i>	<i>7.30</i>	<i>2.98</i>	<i>2.40</i>	<i>3.42</i>	<i>6.19</i>	<i>.55</i>	<i>6.12</i>	<i>4.268</i>	
August	<i>1.74</i>	<i>6.99</i>	<i>4.64</i>	<i>5.90</i>	<i>7.40</i>	<i>3.06</i>	<i>3.95</i>	<i>5.93</i>	<i>4.37</i>	<i>5.44</i>	<i>4.942</i>	
September.....	<i>3.09</i>	<i>3.94</i>	<i>8.18</i>	<i>2.94</i>	<i>5.76</i>	<i>5.75</i>	<i>4.95</i>	<i>4.41</i>	<i>5.40</i>	<i>4.09</i>	<i>4.857</i>	
October.....	<i>10.25</i>	<i>6.65</i>	<i>7.57</i>	<i>8.96</i>	<i>12.60</i>	<i>3.33</i>	<i>4.15</i>	<i>8.61</i>	<i>5.38</i>	<i>2.74</i>	<i>6.964</i>	
November.....	<i>4.05</i>	<i>1.36</i>	<i>6.64</i>	<i>3.33</i>	<i>4.22</i>	<i>6.57</i>	<i>3.23</i>	<i>10.35</i>	<i>2.44</i>	<i>1.61</i>	<i>4.400</i>	
December.....	<i>2.39</i>	<i>5.82</i>	<i>6.37</i>	<i>2.43</i>	<i>3.69</i>	<i>3.91</i>	<i>9.01</i>	<i>5.60</i>	<i>2.59</i>	<i>4.39</i>	<i>4.620</i>	
TOTALS	<i>43.09</i>	<i>50.25</i>	<i>69.18</i>	<i>49.37</i>	<i>55.11</i>	<i>46.22</i>	<i>51.86</i>	<i>65.78</i>	<i>43.76</i>	<i>43.18</i>	<i>51.780</i>	

1879 Wall 4ft high & 6ft NNE.

St George's church 300 yds N.

Hyd Sta. No. 45-585681

NGR: SD (34) 513928

alt 44m

St. George's Church - -/ Dec 2/00

RAINFALL AT *Kendal, Fleet-Town and Stry Garth*

Lat. _____

Lon. _____

County of *Frestmoreland*

Rain Gauge, by _____

Observer *A. 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.
January ....	.80	.46	4.11	8.76	8.07	3.31	5.45	3.97	2.92	4.74	4.259
February	4.27	5.31	5.12	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	3.67	5.98	3.36	4.20	7.49	2.23	5.81	6.00	4.804
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	59.8	51.51	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 4 ft high E. N.

1884 Gauge moved about 400 yards to Stry Garth

Hyd Sta No. 45-585681

NGR: SD (34) 573928

alt 44m

RAINFALL AT Kendal St Georges Vicarage

80

Lat. _____ Lon. _____ 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								4.35	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	
June . . . . .								.37	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								2.36	6.03	5.94	
November								3.40	5.75	3.24	
December								4.18	5.67	4.59	
TOTALS								33.34	44.25	44.97	

St Georges Church 400 yards WSW

Trees 24 ft high 27 ft ESE

" 12 " " 21 " NNW

RAINFALL AT

St George's Church -- Sit 2/100
Kendal, Kent Terrace Dry Gault

Lat. _____

Lon. _____

County of _____

Westmoreland

Kent. - 3

Rain Gauge, by _____

Observer _____

R. J. Nelson Esq

Diameter	5										
Height	4 0		1 6								
Altitude	146 T				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
February ....	.86	.78	1.93	7.36	9.30	.97	3.34	4.65	5.50	4.00	3.869
March	5.10	2.20	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
December ....	.51	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

Kyge Sta. No. 145-585681

NCR. 82 (34) 5.3928

alt 144m

RAINFALL AT *Kendal St. George's Vicarage*

Lat. _____

Lon. _____

County of *Westmoreland*

Rain Gauge, by _____

Observer *Rev. G. Grewdson*

Kent - 3

Diameter . . .	5											
Height	8											
Altitude . . .												
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January . . .	9.17	4.58	6.32									
February . . .	.97	.86	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									
December . . .	.46	9.57	2.95									
TOTALS . . .	48.90	(51.41)	52.99									

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