

RAINFALL AT Penrith Cumberland
 H. Lester

60

Rain { By
 Gauge } Diameter 5 □ in. Height above Ground, ft. 9 in. Above Mean Sea Level, ft.

YEAR.....		1866	1867	1868	1869	MEANS.
January		6.12	4.98	5.00	4.49	
February		3.75	1.98	2.95	3.92	
March		3.01	1.62	4.19	.68	
April70	3.52	2.59	1.40	
May78	2.12	1.28	1.12	
June.....		1.45	1.52	.63	.16	
July		2.47	3.42	.42	.51	
August.....		3.06	1.82	3.38	1.48	
September ...		4.53	3.07	2.01	6.04	
October.....		1.14	2.61	3.11	2.12	
November.....		1.64	.59	2.18	3.57	
December.....		3.88	2.10	6.60	3.92	
TOTALS		32.45	28.43	34.34	29.41	

c c c c

1867 agrees with ppt by S Marshall
 " corrected by H Lester 3.III.16

RAINFALL AT Penrith Fir Bank

70

Lat. Lon. County of Cumberland
 Rain Gauge, by Observer T. Lester

Diameter.....											5
Height.....											1
Altitude.....											575
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....											1.13
February.....											2.03
March.....											2.02
April											1.45
May.....											1.63
June											3.14
July.....											4.62
August											3.52
September.....											1.87
October.....											1.12
November....											1.64
December											2.38
TOTALS											26.55

St Andrews $\frac{1}{2}$ mile S.W.

RAINFALL AT Penrith Fell Lane

Lat.....

Lon..... County of Cumbria

Rain Gauge, by Horace Marshall, Surveyor Thos' Lester Esq.

Diameter	5		□ 5								
Height	9	5	5	-							
Altitude			576	525	7	575					
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	3.09	1.23	1.77	5.68	3.30	4.05	.89	4.52	2.42	1.09	
February	2.79	2.04	3.80	1.20	1.98	.55	2.09	2.18	1.11	1.87	
March	.75	2.10	2.33	1.47	2.13	.92	2.35	2.14	1.56	1.78	
April	1.22	1.89	1.73	4.13	1.90	1.04	2.24	2.25	1.42	1.28	
May	2.40	1.02	1.37	1.35	1.59	1.22	1.01	1.82	3.40	1.49	
June	1.57	2.32	2.05	1.20	1.23	1.42	2.18	2.15	2.24	2.84	
July	1.69	2.66	1.34	2.64	1.50	3.36	1.11	3.84	.68	4.22	
August	2.18	1.40	1.28	3.10	5.48	3.60	3.87	5.52	3.88	3.39	
September	3.01	1.13	4.76	1.81	4.76	3.90	3.38	1.75	3.24	1.70	
October	1.18	3.45	3.72	3.79	5.12	2.61	2.72	4.08	3.76	1.04	
November	2.10	1.19	4.44	1.48	4.47	2.53	1.72	5.34	2.53	1.47	
December	1.53	3.32	3.65	1.24	1.61	1.47	4.73	2.49	2.73	2.09	
TOTALS	28.57	23.75	34.15	29.09	35.07	29.67	28.29	38.08	28.97	24.26	

C. C. C.

1872 Observations up to 24th August last. Supplied by H. Lester 3/11/16

1876 more fully

1873 cont'd by H. Lester 21/11/16 see back page one

St Andrews church 1/2 mile S.W.

RAINFALL AT ~~Pearlith, Fell Lane, Fir Bank~~ 80

Lat.

Lon.

County of Cumberland

Rain Gauge, by

Observer, T. Lester, Esq.

Eden & Solway - 1

Diameter	5										
Height	10										
Altitude	575 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	4.45	1.40	1.92	4.43	5.40	1.93	14.37	2.76	1.70	1.81	2.517
February	3.27	2.97	2.19	4.89	3.36	3.13	1.06	1.46	1.17	1.83	2.533
March	1.29	2.21	2.72	2.49	3.06	2.20	2.30	1.31	2.43	1.03	2.104
April	1.74	1.79	3.81	1.64	1.20	2.33	2.36	1.32	1.88	1.90	1.896
May	1.87	2.14	1.30	.53	1.99	2.36	4.72	1.31	1.94	2.66	2.032
June	1.91	2.60	3.46	2.21	1.26	1.21	1.37	.20	1.23	.97	1.612
July	4.96	3.97	4.45	3.75	4.99	1.13	5.27	1.48	5.91	2.01	3.792
August	1.04	4.71	3.07	2.22	1.09	2.17	1.33	1.83	2.65	3.88	2.399
September	4.00	3.40	1.05	4.09	2.84	2.14	14.01	3.97	.70	1.79	2.916
October	1.05	1.95	2.92	5.35	1.98	3.70	5.47	2.05	2.60	4.34	3.141
November	4.18	5.99	4.59	3.42	1.17	2.07	2.55	2.84	4.60	1.39	3.280
December	4.81	3.17	3.55	2.52	3.53	1.144	5.63	3.62	2.60	2.42	3.331
TOTALS	30.09	34.30	35.93	37.54	31.89	26.08	40.43	24.15	29.41	26.03	31.583

1881. St. Andrews

^{2 miles}
500 yardsWSW
SSW.

RAINFALL AT Pennith Fell Lane Fir BankLat.Long.County of CumberlandRain Gauge, byObserverJ Lester EsqEden & Solway - 1

Diameter	5										
Height	10										
Altitude	557										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.30	2.18	2.34	1.82	5.02	1.40	1.50	.96	2.36	6.34	2.822
February61	.16	2.21	3.24	5.11	.57	1.59	2.87	3.06	3.04	2.196
March	2.37	1.60	.86	1.16	2.38	3.25	4.36	5.19	1.23	1.73	2.422
April98	1.25	1.03	.39	2.73	1.15	1.58	1.70	3.03	2.57	1.641
May	2.54	1.55	3.43	1.65	2.89	.53	.51	1.04	2.27	3.08	1.949
June	2.82	1.29	4.20	2.60	2.88	1.44	3.42	2.95	2.65	.87	2.462
July	1.60	4.45	1.81	3.25	2.89	5.70	3.41	1.00	1.15	4.53	2.979
August	4.13	6.43	6.37	3.70	3.16	3.87	2.28	5.78	4.20	1.16	11.108
September	3.07	4.89	5.09	3.11	.61	1.38	5.10	3.87	.89	4.47	9.245
October	2.27	4.55	5.04	3.06	3.50	3.67	5.01	2.18	2.32	2.27	3.387
November	5.40	3.68	2.03	1.77	3.82	5.07	.96	2.30	2.81	4.64	3.248
December85	6.23	.90	3.70	3.37	3.08	3.06	5.36	4.69	2.04	3.328
TOTALS	30.94	38.26	35.31	29.45	37.86	31.21	32.78	34.70	30.66	36.74	33.791

• 1892 St Andrews Church 1/4 Mile SW 1880

RAINFALL AT Penrith Fell Lane Fir Bank

Lat.

Lon.

County of Cumberland

Snowdon

Rain Gauge, by

Observer J. Lester Eng

Side 4c - 1.

Diameter ..	5										
Height	10										
Altitude ..	5757										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.21	2.38	1.91	4.47	3.66	1.22	4.65	.85	2.12	3.08	2.755
February ..	4.32	.91	1.05	5.84	3.09	2.14	2.28	2.01	3.91	2.24	2.779
March74	2.40	2.04	5.70	1.85	2.70	2.20	2.82	2.61	2.51	2.557
April	2.33	2.02	2.03	1.35	2.74	3.24	.86	1.80	.98	1.94	1.924
May	1.83	1.38	2.73	3.06	2.44	.87	4.69	4.03	1.99	1.57	2.409
June	3.48	1.56	1.64	1.33	1.57	1.89	1.02	3.91	1.57	2.50	1.997
July	2.21	1.67	3.34	3.66	1.18	.94	1.60	1.25	2.54	3.86	2.225
August	5.71	3.28	1.47	4.78	3.89	2.60	4.34	2.84	3.43	2.69	3.503
September..	1.56	1.14	1.60	4.40	.72	2.40	.99	.35	2.86	1.92	1.744
October ...	5.72	2.56	2.89	9.76	1.24	2.31	5.46	4.47	1.45	4.67	4.053
November ..	2.22	3.19	2.84	2.59	2.66	3.14	3.27	2.74	2.42	1.38	2.645
December ..	4.74	4.92	4.05	2.87	3.04	1.08	2.28	5.02	1.66	4.42	3.408
TOTALS ..	38.07	27.41	27.59	49.81	28.08	23.53	33.64	32.09	26.99	32.78	31.999

1901 Penrith Church 1/2 Mile S.S.W

1903 Station 3/4 "

Hull

RAINFALL at Penrith Fort Bank Fell Lane

10

County of Cumberland

Observer J Lester Eay

Herbert Lester Eay

River Basin Eden & Solway 1

River Basin Eden & Solway 1

Snowdon Rain Gauge, by N+3

Snowdon Rain Gauge, by N+3

Diameter ...	5										
Height	10										
Altitude ...	5757										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	3.85	1.23	3.28	4.52	2.56	3.52	3.83	2.26	3.54	3.12	
February	5.55	3.23	2.08	2.38	4.58	4.73	4.15	1.08	3.51	.66	
March	1.74	1.41	3.21	5.24	3.36	1.61	2.49	1.93	.71	3.21	
April	2.24	1.98	.61	4.43	1.14	1.64	2.44	2.69	.76	1.89	
May	2.28	2.38	1.69	1.44	1.90	1.48	2.93	2.10	1.63	1.52	
June	1.23	3.38	4.62	1.88	1.26	.51	2.86	2.90	.97	1.50	
July	4.45	.34	3.62	.94	3.94	2.82	3.86	1.33	3.74	.80	
August	6.11	2.33	5.15	1.27	1.67	3.04	1.68	5.02	4.56	5.85	
September33	2.96	1.57	1.84	2.32	1.19	1.94	3.04	8.30	1.46	
October	2.05	3.04	3.08	3.31	1.05	.60	6.49	4.42	3.50	1.97	
November	2.92	4.01	3.06	3.00	4.90	1.17	5.14	3.25	2.64	2.86	
December	3.37	7.67	5.17	3.14	6.43	5.56	2.89	1.06	3.69	4.83	
TOTALS ...	36.12	33.96	37.04	33.39	35.11	27.76	40.68	31.02	37.53	36.46	33.909

1916 Tree 4 ft high 12 ft W.

1919 G. moved. 1st June. 400 yds. N.W.

, stone 25 ft. high. 25 yds. N.E.

RAINFALL at Penrith Briar CottageCounty of Cumberland Observer H. Lester Esq

River Basin Eden-Solway 1

Snowdon Rain Gauge, by N.Z.

Diameter ...	5"											
Height	10											
Altitude ...	575'											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930.	MEAN.
January ...	4.23	5.86	2.95	190	3.23	4.67	3.91	3.77	5.64	.80	5.88	
February ...	3.16	.08	3.18	493	.61	4.88	3.31	1.29	3.40	.41	.30	
March	5.65	4.29	2.12	1.54	.93	1.30	1.90	3.29	3.50	.12	2.80	
April.....	3.07	.82	2.58	267	1.55	3.67	1.95	1.89	.73	1.07	1.44	
May	3.99	2.53	1.26	2.71	3.89	3.91	2.03	1.96	1.40	1.67	1.28	
June	1.40	.27	2.15	.78	1.26	.14	3.10	2.82	4.47	1.28	1.55	
July	3.95	2.23	3.99	230	3.43	1.53	3.24	4.38	3.33	3.89	4.10	
August	1.75	4.81	2.50	797	2.23	3.13	4.04	6.45	6.89	3.43	7.28	
September...	2.37	1.30	4.03	393	4.40	3.36	4.31	6.98	1.70	1.49	2.61	
October.....	2.16	2.64	.80	5.90	2.55	4.31	3.03	3.64	5.57	3.98	4.47	
November...	2.95	1.79	1.13	467	2.41	1.33	5.49	2.49	5.43	4.92	3.48	
December...	2.84	5.15	5.53	369	6.36	4.34	.84	.99	2.35	6.94	3.06	
TOTALS...	37.52	31.77	32.22	42.99	32.89	36.57	37.15	39.95	44.21	29.85.	37.75	

1922 fruit tree 6 ft. NE.

1930 Prospectus June. Exposure rather over-sheltered
apple tree on W side 10 ft high about 10 ft from gauge.
Flowers growing close to gauge. See Green tile.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series				No. of Map	Reference No.			
Date.	Lat. N.	Long.W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	54° 40' 13"	2° 44' 30"	Penrith	1 mi	W.S.W.	Penrith	1/2 mi	S.S.W.

RAINFALL at Penrith (Briar Cottage)

County of Cumberland.

Observer H. Lester, Esq.

River Basin Eden & Solway - I.

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average

Ref. 10247/30

Diameter	S.											Means
Height	1.0											
Altitude	575.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January												
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December	H											
TOTALS												

Moved & taken gauge to Crossburn Av. Nitshill, Glasgow.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.