

Appley
Westmoreland
George Armstrong M D

Ms actions

+ ground

+ Sea Level

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -								2.80	1.21	5.27	
February - -								1.43	.94	1.75	
March - - -								2.55	1.47	4.07	
April - - -								1.18	.93	1.26	
May - - - -								1.25	2.57	.08	
June - - - -								2.45	2.46	1.52	2.39
July - - - -								1.16	1.78	1.97	1.33
August - - -								2.15	3.51	2.65	2.91
September -								3.36	1.95	4.03	4.17
October - -								2.22	2.63	4.06	2.24
November -								1.25	2.01	2.97	3.43
December -								7.34	2.00	3.35	2.48
TOTALS -								25.55	27.67	31.38	

Appleby
Westmorland

Fergus Armstrong M.D.

Mean 0 in + ground 1 ft + sea level 242?

Sunk bottle gauge

YEAR --	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January --	4.39	1.58	2.87	5.57	2.92	1.89	6.60	4.89	6.01	5.51	4.223 +
February -	1.55	5.48	.72	1.79	2.22	2.52	3.21	2.34	3.57	5.34	2.874
March - -	4.46	4.22	2.81	.89	1.99	1.60	1.66	2.41	1.23	.66	2.493
April - - -	1.91	.84	2.54	1.88	1.37	.85	1.97	4.47	2.36	1.18	1.937 -
May - - - -	2.67	.65	2.73	1.56	2.22	5.58	.86	2.10	1.41	1.54	2.140
June - - - -	5.38	1.73	3.06	4.56	2.72	.76	2.24	1.60	.68	1.28	2.401
July - - - -	2.61	4.74	3.37	1.27	1.25	1.21	2.75	4.51	.58	.96	2.325
August - - -	4.05	4.93	3.55	2.92	1.74	3.85	4.64	2.98	2.47	1.93	3.301
September -	1.53	4.30	2.02	4.68	4.20	.44	5.77	2.60	2.74	7.54	3.582
October - -	4.69	2.19	5.76	4.41	2.37	4.73	1.73	3.55	3.02	2.48	3.493
November -	2.07	8.01	1.34	3.07	2.46	2.89	3.46	.66	3.07	3.41	3.044
December -	2.92	3.29	4.12	2.71	3.39	3.94	4.47	2.41	8.90	5.66	4.181
TOTALS -	38.23	41.96	34.89	35.31	28.85	30.26	39.36	34.55	39.04	37.49	35.94

+ C C C + C C C C

1863 End of year so mild that the Bees have been working as if in summer & mignonette was in flower to the last day

in a garden away from walls &c

1868 The rainfall in Dec exceeded that of any previous month for the past 12 yrs being nearly 6 in + average

RAINFALL AT Appleby

70

Lat.....

Lon.....

County of Westmorland.....

..... Rain Gauge, by.....

Observer Dr S Armstrong.....

Diameter8										845	.5
Height	1										.	.
Altitude	442											
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	3.28	2.07	3.98	8.93	4.35	5.28	1.34	6.06	2.78	.57		
February	3.07	2.88	4.38	1.38	2.77	.69	3.15	2.43	1.23	1.56		
March	1.18	2.30	2.62	2.01	3.44	1.31	3.57	2.41	1.71	2.49		
April.....	- .75	1.74	1.14	.67	2.72	.54	1.84	2.30	2.01	1.49		
May	2.35	1.23	2.44	9.2	1.52	1.61	.91	1.90	4.41	1.27		
June	1.33	2.79	3.26	1.36	9.2	8.30	2.62	2.41	2.69	3.56		
July76	4.77	3.03	2.59	1.62	3.61	2.16	6.54	.80	4.09		
August.....	2.31	2.72	4.45	3.26	4.71	1.71	3.40	6.16	2.71	4.86		
September.....	2.48	3.20	4.35	1.42	4.24	4.98	4.66	2.05	3.06	2.56		
October.....	+ 5.18	3.72	6.23	2.90	6.72	2.81	2.78	4.71	3.88	1.14		
November.....	2.39	.93	3.79	2.16	3.26	3.12	2.70	6.23	2.35	.89		
December.....	2.23	3.45	1.25	1.43	2.69	3.48	5.72	2.46	2.06	2.55		
TOTALS	27.31	31.80	45.92	29.03	39.02	32.44	34.85	45.66	29.89	27.00	34.20	29.2

C C C

1876 Gauge changed from an 8 in to a 5 in in April

1879 No note

1879 estimated from Readill & Lowther Castles

RAINFALL AT Appleby

80

Lat. _____

Lon. _____

County of Westmorland

Rain Gauge, by _____

Observer Dr ArmstrongEden - 1

Diameter	5										
Height	1.0										
Altitude	4427										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.02	3.8	2.08	6.27	5.49	1.87	5.10	3.05	1.86	1.45	2.857
February	3.98	3.41	2.95	3.56	3.52	4.45	1.04	1.50	.92	1.41	2.674
March	1.72	2.98	2.57	1.41	2.23	1.74	2.94	1.41	2.97	1.20	2.117
April	1.83	1.05	-03	1.37	1.96	1.49	2.64	1.82	1.34	1.54	1.807
May	1.22	2.01	1.86	1.98	1.87	2.40	3.96	1.61	2.03	2.30	2.024
June	2.03	2.61	3.82	4.58	3.35	1.05	2.10	.24	.99	1.45	1.922
July	5.89	4.61	5.63	3.51	4.73	1.29	5.25	1.70	5.62	2.94	4.117
August	1.51	4.41	2.36	2.19	1.01	1.50	2.04	1.71	2.47	4.92	2.412
September	3.99	2.61	2.15	3.25	3.29	2.82	3.57	4.86	.78	1.44	2.876
October	2.19	2.06	2.64	3.82	1.48	3.21	5.57	1.04	3.51	4.83	3.035
November	4.10	6.32	4.78	3.56	2.26	1.77	3.21	2.54	4.69	1.51	3.474
December	3.64	3.87	3.50	2.99	4.29	1.69	5.48	3.20	3.44	2.72	3.432
TOTALS	83.12	36.32	37.87	37.49	31.48	25.28	42.90	24.68	30.62	27.71	32.747

1880. St Lawrence Church, 150 yards N.W.
 1885 Gauge moved about 100 yards S.

RAINFALL AT ApplebyLat. _____ Lon. _____ County of WestmorlandEden - 1

Rain Gauge, by

Observer

Dr Armstrong

Diameter	5										
Height	10										
Altitude	442	M									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.69	2.73	2.13	1.61	4.67	2.62					
February63	.07	2.16	3.71	5.51	.54					
March	1.97	1.30	.66	.88	2.51	3.99					
April	1.00	.84	1.23	.50	2.19	1.19					
May	2.18	1.07	4.01	2.03	2.99	.99					
June	2.45	2.15	4.24	1.76	1.90	1.87					
July	1.87	4.52	1.39	3.41	3.23	6.95					
August	3.78	6.91	5.88	3.89	3.51	3.64					
September	2.43	4.59	5.16	3.23	.60	1.65					
October	1.90	6.97	6.04	3.00	3.39	3.49					
November	4.56	2.87	2.31	2.23	3.99	2.50					
December70	5.82	.81	4.11	3.87						
TOTALS	30.11	39.84	36.02	30.36	38.36	35.43			(140.85)	(35.09)	