

Appleby
Westmorland

Jorge Armstrong M.D.

Ans return

+ 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	31.39	

Appleby

Westmorland

Fergus Armstrong Ph.D

442

Drain 8 in + Ground 1 ft
Sunk bottle gauge

+ Sea Level 242?

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.39	15.8	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	4.23	.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	2.93	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	35.994

+ C C 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

g 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. J. Armstrong*

Diameter.....	.8	.					8.5	.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.....	2.33	1.23	2.44	.92	1.52	1.61	.91	1.90	4.41	1.27	
June.....	1.33	2.79	3.26	1.36	.92	3.30	2.62	2.41	2.69	3.56	
July.....	.76	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	4.77	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	1.89	
December.....	2.23	3.45	4.25	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	34.292

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

1879 No reply

1879 estimated from Reagill & Lowther Datto

RAINFALL AT *Appleby*

80

Lat. _____

Lon. _____

County of _____

Westmorland

Rain Gauge, by _____

Observer *J. Armstrong*

Eden - 1

Diameter	5											
Height	1 0											
Altitude	442											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	1.02	38	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	4.03	1.37	.96	1.49	2.64	1.82	1.34	1.54	1.807	
May	1.22	2.01	1.86	.98	1.87	2.40	3.96	1.61	2.03	2.30	2.024	
June	2.03	2.61	3.82	4.58	.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	2.30	2.19	1.01	1.30	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	3.00	2.99	4.29	1.69	5.48	3.20	3.44	2.72	3.432	
TOTALS	33.12	36.32	37.87	37.49	31.48	26.28	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 Appleby

Lat. _____

Lon. _____

County of Westmoreland

Rain Gauge, by _____

Observer J^r Armstrong

Eden - 1

Diameter	5										
Height	1 0										
Altitude	442 π										
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					
February ....	.63	.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	(4.50)					
December ....	.70	5.82	.81	4.11	3.87						
TOTALS	30.11	39.84	36.02	30.36	38.36	35.43		(140.85)		(25.097)	