

RAINFALL AT Alstone HeadObserver N. Dutton Esq.

Rain { By

Gauge { Diameter

Height above Ground, ... ft. in.

Above Mean Sea Level 140 ft.

YEAR.....		1866	1867	1868	1869	MEANS.
January		7.80	3.80	8.10	6.40	
February		4.45	4.17	3.17	6.70	
March		2.33	2.65	5.61	2.12	
April		2.78	6.53	3.72	1.64	
May		1.58	2.20	2.36	2.61	
June		1.99	1.82	1.64	.95	
July		4.52	3.91	.54	.44	
August		3.88	2.33	5.23	3.77	
September		1.05	3.15	2.88	6.80	
October		2.60	3.50	4.72	2.40	
November		5.52	1.40	3.85	3.00	
December		6.57	3.20	8.84	4.75	
TOTALS		51.15	38.66	50.66	41.58	

C C C C

RAINFALL AT Aisdon Newt Head

70

Lat..... Lon..... County of Cumbria land.....
 Rain Gauge, by..... Observer J. G. Marder Esq.

Diameter.....											
Height											
Altitude.....											
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....					# 8.52						
February.....					.96						
March.....					3.38						/
April.....					1.35						
May					2.69						
June.....					1.95						
July					2.97						
August.....					6.00 5.30						
September.....					3.53 5.24						
October.....					5.60 6.71 #						
November.....					3.92						
December.....					3.96						
TOTALS.....					4481						

RAINFALL AT Alston, Nenthead

Lat. $54^{\circ} 47' N$ Lon. $2^{\circ} 20' W$ County of Cumberland
 Rain Gauge, by Observer Caldwell Harper, Esq.
 S. Lyne - 5.

Diameter ...											
Height	8										
Altitude ...	$1463 \frac{1}{4}$ ft 446 metres										
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...	4.04	4.24	6.69	4.92	2.32	10.30	2.90	4.83	5.00		
February ...	1.80	1.09	9.03	3.98	2.53	2.37	4.62	5.65	5.93		
March	4.05	3.08	4.85	2.65	4.36	4.28	5.45	7.22	5.38		
April	2.42	2.53	2.70	4.50	4.70	1.56	5.24	2.83	4.67		
May	1.33	3.46	3.79	4.84	.91	8.52	4.00	4.00	2.48		
June	2.61	1.73	1.98	2.48	2.03	1.67	6.68	2.82	4.68		
July	2.26	3.47	4.65	3.88	1.96	3.92	3.58	3.60	4.60		
August	3.27	2.58	6.70	4.74	6.69	6.40	5.50	6.40	5.10		
September ..	1.96	2.69	4.85	1.66	6.44	2.48	.52	4.52	4.44		
October ...	3.90	5.36	12.07	2.02	5.02	10.72	11.80	3.96	8.15		
November ..	7.34	2.84	3.95	4.43	8.92	8.97	4.13	5.10	4.47		
December ...	4.44	6.22	3.72	4.06	2.94	5.64	9.48	3.17	5.80		
TOTALS ...	39.42	39.28	64.98	44.16	48.82	66.83	66.90	57.10	63.70		

Readings converted from mm.

1912 Store wall 1.50 metres high 10 m. S.
 Small Thermometer 1.80 " 1 m S.W.
 Screen 14 " 20 m. NE.

1901 - 1912 Received VI. 14 Entered 2. XI. 14

Alston Station 8 kilom. N.W. Nenthead Church 1 kilom. N.W.

RAINFALL at Alston Nenthead

County of Cumberland Observer Caldwell Harpurby
 River Basin South Tyne 5
 Rain Gauge, by _____

Diameter ...				8							
Height				1' 6	2.6						
Altitude ...				1463							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	8.30	3.53	4.87	4.53	6.30	6.60	12.14	4.70	4.97	6.92	
February ...	11.50	8.40	4.45	5.89	8.95	7.82	5.69	1.09	8.58	5.01	
March	4.43	4.75	4.05	10.22	6.21	3.96	6.91	2.83	2.86	5.32	
April	4.83	4.14	1.78	7.40	3.48	3.84	6.00	3.55	2.12	3.22	
May	4.00	2.54	3.75	3.09	3.89	2.58	6.00	3.94	2.31	2.17	
June.....	2.38	4.12	7.43	3.29	6.52	1.09	4.84	3.02	1.83	3.54	
July	5.52	.90	6.03	2.39	3.42	6.07	5.70	1.40	6.09	4.10	
August.....	8.60	3.64	7.82	2.23	2.75	4.16	4.76	10.95	4.30	5.54	
September..	.83	4.84	4.84	3.94	3.39	2.26	4.42	6.07	12.67	3.95	
October ...	6.33	4.75	6.19	5.48	3.63	1.85	12.71	8.67	8.09	7.65	
November...	4.17	9.30	5.67	7.24	12.22	2.93	8.77	8.10	4.62	6.00	
December...	8.25	11.83	8.55	4.98	16.43	10.07	3.60	2.99	6.33	10.57	
TOTALS ...	69.14	68.74	68.43	60.78	77.19	53.23	81.54	57.31	64.77	60.69	

1912 Stone wall 1.50 metres high 10m. S.

Thermometer screen 1.80 " " 1" S.W.

Trees 1400 " " 20 - N.E.

1901-1912 (Readings converted from mm) Received 7/14 Entered 2/XII/14

1919 April 26th g. moved 100 metres N.W. to inferior position.
 Stable + m. high + mm.s.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	54° 57'	2° 20' W	Alston	8 km	N.W.	Newstead	1 km	N.W.

Station No. 365818

RAINFALL at NEWSTEAD (WHITEHORN HOUSE)

41

County of CHAMBERLAIN

Observer J.A. PRICE Esq.

River Basin S - SOUTH TWEED

Type of Gauge B.A.

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

File No. 159536/42

Diameter									5"		
Height									6"		
Altitude									1672'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January									2.82	3.66	
February									4.34	7.78	
March									1.49	2.71	
April									5.72	4.94	
May									2.08	3.58	
June									1.12	3.51	
July									3.40	3.82	
August									2.71	2.93	
September									2.74	8.81	
October									5.49	3.42	
November									9.20	8.35	
December									9.46	4.46	
TOTALS									50.71	62.97	#
								D	D		

1950 Record closed at end of year; other around 22.1.51

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	Parish Church.	Distance from gauge	Direction

BRITISH RAINFALL ORGANIZATION

Station No. M. 3658/7

51

RAINFALL at Nenthead (School)

County of Cumberland

River Basin South Tyne - 5

Type of Gauge No MKII

Observer F. J. Hartley, Esq.

Auth. W. E. Richardson, Esq.

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

File No. 738196/27

Diameter ...		03	480			5"			
Height ...				1		1' 0"			1' 0"
Altitude ...				51		1450' 6460'			1440'
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959
January ...							*	6.24	3.67 3.32
February ...								3.41	6.16 8.3
March ...								3.54	2.58 1.70
April55	2.10 4.82
May ...								2.31	4.87 .78
June ...								1.49	3.09 3.55
July ...								5.63	4.07 3.97
August ...								7.70	3.13 .91
September ...								3.92	4.75 1.41
October ...								4.58	4.18 4.97
November ...								3.03	1.01 8.07
December ...								7.09	5.87 8.29
TOTALS ...								49.49	45.48 42.62
							D	c	d
									54.91
							d		

G. installed at school in Dec 1956 by W. Richardson (Hartley). Site not perfect but best that can be done in circumstances. Obstructed air flow caused to twice height rule applies. On rather steep slope but this may break wind; small wall approx. 5yds. S.E.W.

Infected 8.960 by H. Hartley. Reasonably satisfactory site. Wall sometimes above height causes eddies

Position of Station on Ordnance One-Inch map :

No. of Map 84

National Grid Reference NY(35) 777418

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60