

RAINFALL AT Alston Moorhead

Observer W. Dalton Esq.

Rain { By

Gauge {

Diameter 4 in.

Height above Ground, 1 ft.

Above Mean Sea Level 1416 ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							7.80	3.80	8.10	6.40	
February.....							4.45	4.17	3.77	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.....							7.05	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	

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RAINFALL AT *Alston New Head*

70

Lat.....

Lon..... County of *Cumberland*.....

..... Rain Gauge, by..... Observer *F. G. Harder Esq.*.....

Diameter.....											
Height.....				10							
Altitude.....				1450							
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....			#	8.52							
February.....				.96							
March.....				3.38							
April.....				1.35							
May.....				2.67							
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.....				44.81							

RAINFALL AT Alston, Northend

Lat. 54° 47' N

Lon. 2° 20' W. County of Cumberland

Rain Gauge, by

Observer

Caldwell Harpur, Esq.

S. Dyne - 5.

Diameter ...		8									
Height		16									
Altitude ...		1463 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	3.45	3.79	4.84	.91	8.52	7.00	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	7.60	
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	7.52	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 Stone wall 1.50 metres high
Small Thermometer 180 " screen
Trees 14 " "

10 m. S.
1 m. S.W.
20 m. NE.

1901-1912 Received VI 14

Entered 2 XII 14

Alston Station 8 Kilom. N.W.

Northend Church 1 Kilom. N.W.

RAINFALL at Alston HeathheadCounty of Cumberland Observer Caldwell Harpur EsqRiver 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	6.20	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	2.01	
March	4.43	4.75	4.05	10.32	6.21	3.96	6.91	2.83	2.86	5.32	
April	4.83	4.14	1.78	7.40	3.45	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	9.0	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	10.27	
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 14.00 " " 20" N.E.

1901-1912 (Readings converted from mm.) Received VI.14 Entered 2.XII.14

1919. April 26th g. moved 100 metres N.W. to inferior position.
 Stable at high 4 mms.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
54.47	54.50	2.20 W	Alston	8 Km	N.W.	Neathhead	1 Km	N.W.

RAINFALL at NENTHEAD (WHITENALL HOUSE)

41

County of CHESHIRE Observer J.A. Price Esq.River Basin S. - SOUTH TRAFType of Gauge RAAnnual Average in. based on years obs. un-weighted. Period of average Ref File No. 59536/49

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	2.51		
July	....								3.40	3.82		
August	....								2.71	7.93		
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 covered at end of year; other record 22.1.51

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

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

BRITISH RAINFALL ORGANIZATION

Station No. *M.* 3658/7RAINFALL at *Nenthead (School)*

51

County of *Cumberland*Observer *F. J. Hawley, Esq.*River Basin *South Egre-5*Auth: *W. E. Richardson, Esq.*Type of Gauge *HO MKII*

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

File No. *788196/27*

Diameter ...			<i>013</i>	<i>480</i>			<i>5"</i>			<i>5"</i>	
Height ...				<i>1</i>			<i>1' 0"</i>			<i>1' 0"</i>	
Altitude ...				<i>51</i>			<i>1450'</i> <i>1460'</i>			<i>1440'</i>	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...							<i>* 6.24</i>	<i>3.67</i>	<i>3.32</i>	<i>7.19</i>	
February ...							<i>3.41</i>	<i>6.16</i>	<i>.83</i>	<i>5.51</i>	
March ...							<i>3.54</i>	<i>2.58</i>	<i>1.70</i>	<i>1.82</i>	
April ...							<i>.55</i>	<i>2.10</i>	<i>4.82</i>	<i>3.33</i>	
May ...							<i>2.31</i>	<i>4.87</i>	<i>.78</i>	<i>2.10</i>	
June ...							<i>1.49</i>	<i>3.09</i>	<i>3.55</i>	<i>1.80</i>	
July ...							<i>5.63</i>	<i>4.07</i>	<i>3.97</i>	<i>5.58</i>	
August ...							<i>7.70</i>	<i>3.13</i>	<i>.91</i>	<i>3.66</i>	
September ...							<i>3.92</i>	<i>4.75</i>	<i>1.41</i>	<i>2.70</i>	
October ...							<i>4.58</i>	<i>4.18</i>	<i>4.97</i>	<i>8.02</i>	
November ...							<i>3.03</i>	<i>1.01</i>	<i>8.07</i>	<i>7.01</i>	
December ...							<i>7.09</i>	<i>5.87</i>	<i>8.29</i>	<i>6.19</i>	
TOTALS ...							<i>49.49</i> <i>D</i>	<i>45.48</i> <i>d</i>	<i>42.62</i> <i>d</i>	<i>54.91</i> <i>d</i>	

G installed at school in Dec 1956 by W. Richardson (Gillblin). "Site not perfect but best that can be done in circumstances. Objection distance equal to tower height rule applies. On rather steep slope but this may break wind; small wall approx. 5 yds. S.S.W."

Inspected 8940 by Gillblin. Reasonably satisfactory site. Wall continued above higher cause eddies

Position of Station on Ordnance One-Inch map : No. of Map *84* National Grid Reference *NV(35) 777418*

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

Summary of Earlier Records from 10-year Sheets :

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