

RAINFALL AT Preston W.W.*J. Armytage**Alston*Rain { By
Gauge { Diameter.....8.....in.Height above Ground, 1 ft. 2 in.Above Mean Sea Level, 3.20 ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							5.02	4.97	3.78	4.26	
February							4.23	3.20	2.98	5.77	
March							2.10	1.14	5.15	1.36	
April .....							.89	4.80	2.03	2.28	
May							1.70	2.10	1.76	3.96	
June							4.35	.93	1.11	2.46	
July							5.25	4.24	.62	2.26	
August							5.20	2.10	5.50	5.71	
September ...							8.98	3.40	2.25	8.36	
October							2.73	5.85	6.05	3.75	
November							7.60	2.39	3.80	5.10	
December							5.60	4.18	7.84	4.56	
TOTALS							53.65	39.30	42.87	50.03	

(C C C C

RAINFALL AT *Preston N. N. Alston*

Lat.....

Lon.....

County of... *Lancashire*..........Rain Gauge, by..... Observer *J. A. Ramsay Esq. Esq. L. E.*

Diameter8	.										
Height	1.2	.										
Altitude	320.	ft	.									
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	3.22	1.63	5.17	5.03	4.80	5.23	2.75	7.15	4.20	1.22	4.040	
February.....	7.20	3.19	4.18	1.35	1.55	1.15	5.03	4.45	2.00	2.67	2.677	
March.....	2.65	1.78	4.24	3.55	4.96	1.17	3.01	3.98	1.66	2.00	2.900	
April.....	1.99	3.17	2.78	.90	1.53	1.15	2.86	2.78	1.40	1.54	2.010	
May	1.85	1.95	2.10	2.34	1.88	2.26	.55	2.50	5.03	2.50	2.296	
June.....	2.22	2.66	5.57	3.27	1.61	3.55	4.00	1.76	3.00	4.40	3.198	
July.....	3.00	6.50	5.91	4.38	2.50	5.30	4.36	4.92	1.09	5.18	4.314	
August.....	4.83	1.80	4.97	5.10	7.33	3.04	4.46	5.68	5.55	7.50	5.026	
September.....	3.70	3.47	6.10	3.05	4.54	4.26	5.45	6.36	5.28	3.46	4.567	
October.....	9.95	3.76	5.78	5.74	6.05	3.86	2.73	5.93	4.98	3.36	5.214	
November.....	3.27	2.00	4.00	2.17	5.30	4.70	3.10	5.45	3.24	.95	3.418	
December.....	3.28	3.65	3.40	1.72	3.60	2.42	4.62	5.60	2.00	3.28	3.357	
TOTALS	41.16	35.56	54.14	38.60	45.65	38.09	42.92	56.56	39.43	38.06	43.017	

C C C

RAINFALL AT *Alston*

80

Lat. _____

Lon. _____

County of _____

Lancashire

Rain Gauge, by _____

Observer _____

H. Peak, Esq.

Ribble & Co.

Diameter	8										
Height	1.2										
Altitude	320 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.63	.67	3.78	5.10	6.16	2.96	6.40	2.80	1.80	2.20	3.270
February	2.66	6.26	3.20	3.60	3.10	4.20	1.15	2.30	1.13	2.50	3.010
March	2.40	4.69	4.65	2.40	6.16	3.92	3.05	2.70	3.30	2.25	3.552
April	1.16	2.10	5.04	1.93	9.4	1.60	2.75	1.70	2.00	2.60	2.182
May	2.12	4.65	2.80	1.93	1.90	1.65	4.96	2.05	.88	2.90	2.584
June	5.34	2.70	5.40	3.87	9.4	3.49	1.70	.40	2.50	.00	2.634
July	5.94	7.29	8.18	2.70	6.10	2.25	3.93	1.75	6.45	2.25	4.684
August	1.95	6.54	5.50	3.15	2.75	1.86	1.35	1.86	4.90	4.20	3.396
September	2.40	2.64	3.04	5.66	3.30	4.52	4.96	4.15	1.80	4.30	3.667
October	3.00	2.92	3.79	6.20	3.49	4.85	4.66	2.10	1.35	3.50	3.586
November	6.27	5.74	6.73	4.80	1.32	3.26	3.55	2.20	4.15	1.85	3.987
December	7.27	4.72	3.64	3.64	5.64	2.40	4.55	3.36	2.45	3.90	4.157
TOTALS	41.14	51.12	55.75	44.78	41.80	36.96	43.01	27.37	32.71	32.45	40.709

RAINFALL AT *Alston*

Lat.

Lon.

County of *Lancashire*

Rain Gauge, by

Observer *H. Reah Esq*

Ribble & Co.

J. Cookson Esq

Diameter	8										
Height	1 2										
Altitude	320 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.33	2.40	3.90	1.60	3.80	2.45	2.65	1.21	4.53	5.25	3.212
February	1.20	.90	3.45	3.40	5.60	.55	2.70	4.25	3.30	2.15	2.753
March	3.55	1.45	.95	3.90	3.30	1.40	6.00	4.94	1.82	3.25	3.056
April	1.50	1.85	2.10	.47	3.00	2.40	2.73	2.75	2.27	4.12	2.519
May .....	.77	1.65	3.40	1.85	2.10	.70	2.3	3.30	2.90	2.82	1.972
June	3.30	1.85	3.50	1.80	3.70	2.95	2.40	3.60	2.21	2.48	2.779
July	3.40	3.30	1.10	4.45	3.50	3.05	2.59	1.77	1.20	1.97	2.683
August	6.40	8.30	4.55	5.70	8.20	4.85	3.90	5.50	6.93	2.18	5.651
September....	5.15	3.75	4.50	6.45	.75	3.45	6.30	4.40	1.27	7.28	4.330
October	3.55	3.10	5.10	6.50	3.40	5.13	4.17	2.90	3.80	2.86	4.051
November....	5.70	4.70	5.20	3.15	3.55	4.10	1.66	4.93	4.59	2.95	4.053
December ....	.95	6.10	.95	4.50	4.25	4.30	5.26	4.32	5.95	3.61	4.019
TOTALS . . .	39.80	39.35	38.70	43.77	45.15	35.33	40.59	43.90	40.77	40.92	40.828

1870

RAINFALL AT *Alston*

Lat.

Lon.

Central Lancashire South

Rain Gauge, by

Observer

J. Jackson Esq.

Ribble 1.

Diameter ..	8											
Height	0.4			1.2								
Altitude ..	320											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ...	4.45	2.46	3.55	4.09	2.63	2.72	5.35	2.10	4.36	2.43	3.414	
February ...	3.10	1.97	1.63	4.00	4.15	2.15	3.76	2.95	3.52	4.27	3.150	
March ....	.77	3.35	2.74	3.89	2.27	3.40	4.06	4.52	3.20	3.13	3.133	
April	2.63	2.00	1.79	2.57	2.60	2.60	1.97	1.62	2.50	3.80	2.408	
May	1.65	.77	3.28	3.17	2.90	.80	4.72	3.73	2.54	2.32	2.588	
June	2.70	1.96	1.30	2.40	1.70	2.65	1.70	7.50	2.80	2.60	2.734	
July	2.29	1.31	3.10	3.83	1.32	2.94	2.36	2.95	5.20	6.40	3.170	
August	5.38	2.50	3.26	5.30	3.80	4.48	5.15	6.10	4.15	3.76	4.388	
September ..	2.89	1.40	1.35	5.21	1.52	4.11	1.37	1.30	4.56	3.55	2.726	
October	6.75	3.98	4.08	6.90	3.33	4.30	6.57	3.30	2.58	5.57	4.736	
November ...	3.75	6.38	1.70	3.00	4.40	4.10	4.45	4.00	4.20	2.35	3.233	
December ...	4.55	4.70	3.55	2.64	2.75	.99	4.47	5.60	3.20	6.50	3.895	
TOTALS ..	40.91	32.78	31.33	47.00	33.37	35.27	45.93	45.67	42.81	46.68	40.175	

1909 Longridge Church 1/4 mile N

Station 3/4 N

House 25 ft high 20 yards N

Hub

RAINFALL at Alston ReservoirCounty of Central LancashireObserver J. Lockwood Esq J. H. Mather EsqRiver Basin Ribble + C 1

Rain Gauge, by _____

Diameter ...	8											
Height	1.2											
Altitude ...	320 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sum
January ...	5.40	1.35	3.27	5.90	3.90	5.10	2.90	2.30	2.75	4.80		1275
February ...	5.40	5.00	1.79	1.73	3.30	4.05	3.82	1.35	4.73	1.28		118
March	1.11	1.93	6.77	5.50	4.20	2.20	2.08	1.87	1.85	5.10		1060
April	3.20	2.87	.74	4.60	1.14	3.30	3.65	1.80	1.15	2.05		865
May	2.40	1.45	2.28	3.10	2.15	1.92	2.28	1.80	1.80	1.75		763
June	2.20	2.76	6.15	3.81	1.64	1.90	2.00	1.85	1.40	1.30		655
July	5.60	1.00	5.20	1.76	4.00	2.85	2.75	1.85	4.30	1.35		1025
August	5.90	3.58	7.65	2.30	3.54	5.80	5.10	5.20	6.05	4.45		2080
September ..	4.80	4.04	2.12	1.90	4.50	.72	3.40	4.10	10.15	2.25		1990
October ...	4.28	3.80	4.42	2.50	2.23	1.25	8.65	8.30	4.00	2.85		2380
November ..	5.58	4.00	4.80	5.03	5.20	2.05	2.50	4.65	2.95	2.50		1260
December ...	3.55	6.20	4.18	3.25	5.90	7.35	3.40	2.18	10.10	5.62		2130
TOTALS ...	49.45	37.98	49.37	41.38	41.70	38.49	42.53	37.25	50.93	35.30		

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Olston ReservoirCounty of LancashireObserver J. H. Smethurst Esq C.E.River Basin Pibble & C. 1

WD Eng. Reservoir

(1930) M.O. Rain Gauge, by

B. B. Oakes C.E.

(1925)

Av 1881-1915 41.0

Diameter ...	8												
Height	1 2												
Altitude ...	320												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Means 1920	20.30	
January ...	3.82	5.65	3.10	4.05	3.45	3.10	4.03	4.25	9.05	1.80	5.61	47.91	
February ...	2.75	2.25	5.10	4.30	.90	4.28	6.00	2.05	4.85	1.09	.43	32.00	
March	3.20	3.68	2.05	3.20	1.80	2.10	1.36	3.37	2.00	1.36	2.68	36.80	
April	4.25	2.00	2.20	3.18	1.80	2.40	2.10	2.41	1.39	1.56	1.78	26.07	
May	6.50	2.55	1.43	4.35	5.23	4.10	3.13	1.72	7.4	2.56	1.58	33.89	
June	2.50	.50	3.50	1.54	2.90	.20	1.53	3.93	6.69	1.59	1.95	26.83	
July	6.10	2.65	6.60	5.04	5.05	3.35	3.68	3.93	3.89	4.02	5.86	50.17	
August	1.50	6.10	4.98	7.08	6.12	2.80	4.62	7.78	(8.00)	6.50	6.41	61.89	
September...	2.95	2.85	4.15	5.32	5.10	4.15	4.62	8.29	(1.75)	1.81	3.26	45.85	
October	2.32	3.70	7.8	5.94	4.50	6.23	4.29	4.00	4.88	6.04	7.06	49.74	
November...	2.05	2.34	3.30	5.80	2.08	2.56	6.03	4.48	5.41	6.80	5.64	46.49	
December...	2.75	6.10	5.30	4.98	4.56	3.20	1.70	1.20	2.92	6.96	3.55	43.22	
TOTALS...	40.69	38.37	42.49	54.72	43.49	38.47	43.09	47.44	(51.87)	42.09	45.81	488.26	

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1925.	53° 49' 10"	2° 36' 4"	Longridge	4400 ft.	S.	Longridge	2100 ft.	S.S.W.

RAINFALL at Alston ReservoirCounty of Central LancashireObserver E. C. Oakes, Esq. C.E.River Basin Ribble & C - 1Type of Gauge MO.Annual Average 41.0 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. & N.
56201/31.

Diameter	8.											
Height	1.2.											
Altitude	320.						332	320	330			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	4.85	4.43	3.05	3.62	2.15	3.44	2.56	4.34	4.73	3.28		
February	4.37	.07	3.60	22	5.55	1.90	5.37	1.62	3.25	1.94		
March	4.5	2.74	2.47	2.37	1.28	2.26	1.56	1.19	1.73	2.96		
April	3.24	2.90	1.66	2.16	3.15	1.37	2.56	.51	2.01	2.75		
May	2.44	4.22	1.71	3.78	1.43	1.43	2.35	3.60	.89	1.82		
June	7.13	1.25	1.91	2.32	3.20	4.46	2.74	4.08	3.01	.87		
July	4.30	5.18	3.18	1.73	1.94	4.93	2.16	4.32	6.71	5.19		
August	5.38	1.80	2.91	5.09	1.82	3.09	2.73	4.63	2.89	2.26		
September	3.13	6.84	1.24	4.31	7.76	4.49	2.49	2.06	1.99	4.93		
October	2.90	6.87	4.97	6.17	7.85	3.84	1.94	8.14	1.97	3.84		
November	6.59	2.92	1.98	2.66	4.12	4.55	1.53	5.02	5.19	5.45		
December	2.81	2.15	.79	5.85	3.74	5.19	1.61	5.00	2.99	4.18		
TOTALS	47.59	41.37	29.47	40.27	43.99	41.05	29.60	44.51	36.96	39.54	39.43	5
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

1937. See level has been checked & corrected by Observer; note in 1940.

1940 Jan. adj. for snow.

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
1931			Longridge	2640'	N	Longridge	900'	ENE.

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

Station No. 2972

RAINFALL at Alston Reservoir

41

County of Central Lancashire Observer E.C. Oakes Esq. B.E.

River Basin Ribbles & C. - 1

Type of Gauge M.O. Standard

Annual Average 7.0 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B of N

File No. 8520/31

Diameter	8"			575	752						
Height	1' 2"				1						
Altitude	332'				41	330'					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.22	3.23	4.94	4.85	3.07	4.35	2.95	7.40	2.49	3.35	
February	3.31	1.68	2.10	1.61	4.37	5.04	.27	2.96	2.18	4.62	
March	3.10	2.33	1.05	.84	1.87	.82	5.36	2.39	2.12	2.05	
April	1.12	1.58	3.04	2.55	2.46	1.26	3.72	1.97	4.30	3.56	
May	3.10	3.23	2.61	3.01	3.42	1.20	2.67	1.57	2.61	1.46	
June	.53	1.11	4.02	4.02	4.71	3.07	3.32	5.67	1.20	3.25	
July	2.42	4.40	3.94	3.76	2.21	5.41	3.15	2.74	3.88	4.16	
August	5.61	4.52	6.15	2.70	1.97	7.12	.15	4.11	3.79	8.54	
September	1.08	3.32	4.91	6.03	2.38	6.66	4.97	4.02	2.39	6.74	
October	4.43	5.53	4.66	4.50	5.29	.77	.89	3.29	5.00	3.36	
November	2.27	1.11	3.59	6.66	.22	5.57	5.45	3.20	4.39	6.01	
December	2.26	3.36	2.05	3.44	1.78	4.30	3.63	3.21	6.69	2.64	
TOTALS	31.35	36.10	43.06	43.97	33.75	45.57	36.53	42.53	41.04	49.74	407.64

1942 m.p. low. about 5 in.
 1943 m.p. about 3 in low? after under to account for low totals
 1944 m.p. low.
 1945 m.p. low.

353.90

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	Parish Church.	Distance from gauge.	Direction
1941			Longridge	5m.	N.	Longridge	2m.	E.N.E.

Longridge 1953 Station No. 2972 51

RAINFALL at (Alston Reservoir)

County of Central Lancashire Observer E. C. Oakes Esq. C.E.
 1953 assistant for B.R. Preston Waterworks

River Basin Little & G-1

Type of Gauge Snowdon

Annual Average 41.0 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. & N
 " " 41.93 " " 32 " " within 1916-57. " " 1916-50 File No. 8620/38

Diameter ...	8"			575	752						
Height ...	1' 2"				1						
Altitude ...	330'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.38	4.09	2.02	5.17	2.80	4.28	3.67	3.63	2.65	5.69	
February ...	2.90	1.36	1.33	2.68	1.50	.66	2.73	6.99	.69	2.62	
March ...	4.97	2.05	1.03	2.26	1.30	1.19	3.41	1.74	1.82	1.08	
April ...	2.69	3.26	3.04	1.49	2.56	2.02	.60	1.65	2.83	2.59	
May ...	2.01	2.37	2.41	2.55	3.21	1.88	1.85	5.49	1.62	2.31	
June ...	1.75	4.20	1.62	4.27	3.48	3.05	1.87	4.33	3.78	1.18	
July ...	2.92	2.43	6.22	6.83	1.09	4.59	5.19	3.99	3.79	6.70	
August ...	4.33	6.62	4.91	7.21	1.06	13.57	4.99	4.38	.80	5.51	
September ...	2.86	3.75	4.67	6.26	3.62	4.45	7.89	5.39	.51	3.69	
October ...	1.47	2.94	1.63	8.70	3.00	3.15	6.45	4.10	4.75	2.76	
November ...	8.35	2.25	4.97	6.20	1.77	1.88	1.46	2.27	5.51	8.44	
December ...	9.67	4.25	2.22	4.91	4.65	4.09	5.38	3.44	6.66	4.89	
TOTALS ...	48.20	39.57	36.07	58.53	30.03	44.81	45.49	47.40	35.41	47.46	
	D	D	D	D	D	D	D	D	D	D	

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SD(34)604366

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Longridge	5 m.	N.	Longridge	1/2 m	E.N.E

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ n.p. 42-45	
	—	229, 30	✓	341, 46-50	