

# RAINFALL AT

Chatterburn Middlewood

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

Lancashire

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

W. K. Wilkinson Jr. Esq

Ribble & Co. 1

Diameter . . .											5	
Height . . . . .											1.3	
Altitude . . . .											363 T	
Year . . . . .	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January . . . .										193	3.26	
February . . . .										3.10	2.87	
March . . . . .										3.86	3.31	
April . . . . .										2.28	2.23	
May . . . . .										3.05	2.99	
June . . . . .										1.35	2.79	
July . . . . .										3.67	4.48	
August . . . . .										6.04	3.61	
September . . .										2.90	3.96	
October . . . . .										4.53	4.02	
November . . . .										2.20	4.42	
December . . . .										3.60	4.87	
TOTALS . . . .										38.51	42.81	

Chatterburn Church 2 3/4 mile N  
Tree 20 ft high 60 ft W

Average = Downham Hall + 5% (20 x .05)

# RAINFALL AT Chatburn Middlewood

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Lancashire

Rain Gauge, by \_\_\_\_\_

Observer W.K. Wilkinson J Esq

Ribble & Co.

Diameter ....	5											
Height .....	13											
Altitude ....	363 <sup>T</sup>											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	5.28	3.04	3.21	.91	3.81	2.58	2.87	1.68	5.11	7.39	2.588	
February ....	.63	.59	2.66	6.25	7.58	.61	2.36	3.90	4.34	1.89	2.081	
March .....	4.82	1.70	1.20	2.12	4.53	3.25	6.93	5.49	2.56	2.93	2.552	
April .....	1.47	2.00	2.44	.72	2.45	2.70	2.65	3.01	2.03	3.67	2.314	
May .....	2.44	2.45	4.57	2.28	2.69	.83	.55	2.65	3.38	2.85	2.469	
June .....	3.85	.96	3.69	2.47	3.57	2.93	3.05	4.43	2.83	1.56	2.934	
July .....	4.34	2.51	1.46	4.26	3.81	5.41	3.16	2.34	.71	2.05	2.005	1
August .....	6.51	7.02	6.51	6.48	7.58	4.49	2.68	7.01	6.55	2.34	5.717	
September....	4.23	3.90	4.44	5.05	.46	2.21	6.66	5.45	1.24	7.11	4.075	1
October .....	4.19	3.76	6.01	7.02	4.12	5.85	3.24	2.60	3.93	2.89	4.361	
November....	6.58	3.80	2.79	3.65	3.02	3.20	1.48	4.73	4.30	3.05	2.660	
December ....	.50	7.06	3.26	4.63	4.03	6.04	5.17	4.96	5.79	2.38	4.1182	
TOTALS . . .	(44.84)	38.79	42.24	45.84	47.65	40.10	40.80	48.25	42.77	41.11	(42.239)	

1890 Chatburn Church  $\frac{2}{3}$  mile N  
Tree 20 ft high 60 ft W

# RAINFALL AT

*Chatham Middlewood*

Lat. ....

Lon. ....

County of *Lancashire South*

*Circular*

Rain Gauge, by *N. 3*

Observer *W. King Wilkinson Esq*

*Ribble 1*

Diameter ..	5											
Height ....	1 3											
Altitude ..	363 T											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..	6.32	3.65	4.17	5.07	3.75	2.49	6.95	2.35	5.95	2.60	4330	
February ..	5.05	1.52	1.38	5.23	4.14	2.53	3.22	3.49	3.60	4.90	3506	
March ....	.87	3.31	3.27	5.93	2.86	3.15	4.27	5.13	3.47	2.79	3505	
April .....	3.14	2.52	1.50	2.93	4.21	3.44	1.30	1.69	3.79	4.25	2877	
May .....	1.80	.86	2.83	3.81	3.11	.55	5.02	3.80	3.68	1.93	2739	
June .....	2.68	1.49	1.08	2.32	1.29	3.47	1.75	8.10	2.52	2.41	2711	
July .....	3.18	1.96	3.49	4.48	1.81	2.38	2.08	2.43	5.21	6.19	3321	
August ....	6.06	3.10	2.89	6.64	6.58	4.88	4.57	4.93	3.31	2.73	4569	
September ..	2.26	.96	1.01	6.47	1.50	3.59	1.30	1.17	5.09	2.73	2608	
October ....	7.31	3.73	5.30	10.61	2.46	3.81	6.85	4.49	1.99	4.95	5150	
November ..	3.78	8.19	2.17	3.60	5.09	4.71	4.59	3.47	4.15	2.28	4203	
December ..	5.76	5.50	4.53	3.18	3.22	1.43	4.32	5.88	3.21	6.57	4361	
TOTALS ..	48.21	36.79	32.62	60.27	40.02	36.43	46.23	46.93	45.97	44.33	43.880	

M m m m s

1900 Chatham Church  $2\frac{3}{4}$  mile N

Tree 20 ft high 60 ft W

1903 Chatham Station  $\frac{1}{4}$  mile N



RAINFALL at Chalburn MiddlewoodCounty of Central LancashireObserver W.K. Wilkinson EsqRiver Basin Ribble & C 1Rain Gauge, by N+3

Diameter ...	5										
Height .....	1.3										
Altitude ...	363 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	7.90	1.97	4.03	4.71	3.51	6.17	4.34	2.90			
February ...	4.92	6.65	1.87	1.83	2.62	4.63	4.40	.99			
March .....	.69	1.81	6.10	5.80	4.85	2.25	2.85	2.49			
April .....	3.41	2.71	1.32	4.97	1.15	2.11	3.17				
May .....	2.61	2.01	2.37	3.38	2.19	1.71	3.06				
June .....	2.64	4.52	6.66	2.91	1.90	1.67	2.75				
July .....	3.36	.78	4.29	1.44	4.22	3.01	2.99				
August .....	6.16	3.06	6.50	2.03	2.46	5.72	3.75				
September ..	.38	4.14	1.96	1.90	3.89	.94	2.83				
October ...	3.66	3.86	5.01	2.13	2.04	1.86	10.19				
November ..	5.52	4.87	4.75	4.29	7.40	2.21	3.43				
December ...	4.67	6.68	4.86	3.32	6.24	6.77	3.55				
TOTALS ...	45.92	43.06	49.72	38.71	42.47	38.45	47.31				

1912 Tree 20 ft high 60 ft W

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.54	2.22 W	Chalburn	1/4 m	N	Chalburn	3/8 m	N

RAINFALL at Chathurn SchoolCounty of C. LancashireObserver E. Percy Aldersley Esq. (Headmaster)River Basin Ribble &c.Snowdon Rain Gauge, by

Diameter ...									5		
Height .....									0.11		
Altitude ...									322		
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS 1920
January ...									9.93	2.02	6.16
February ...									6.71	.88	.59
March .....									3.39	1.22	2.88
April .....									2.32	1.17	3.03
May .....									0.83	(2.76)	2.70
June .....									6.68	2.24	3.11
July .....									2.02	(4.18)	6.29
August .....									8.45	6.63	6.35
September...									1.66	2.44	3.90
October.....									6.45	6.67	7.21
November...									6.88	7.24	5.87
December...									2.78	9.20	4.05
TOTALS...									58.10	46.71	52.14

1928 recd. Jan. 1930

1929. House 20 ft high 50 yds S.W. Outbuilding 10 ft. 11 ft E.  
 Hall 2 " 18 ft. N.W.  
 Sub 11 " 13 " N.

Position of Station on reduced Ordnance Survey  
Map, 2 miles 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
1929.			Chathurn	3 fm	S.W.	Chathurn	100 yds.	N.E.

RAINFALL at Chatburn SchoolCounty of Central LancashireObserver E. P. Aldersley, Esq.River Basin Ribble & C - 1Type of Gauge Snowdon Glass (1937)Annual Average 43.2 in. based on 2 years obs. un-weighted. Period of average 1891-1915 Ref. 7577/30

Diameter	5.											
Height	0.11.							10	11			
Altitude	322.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	<del>Mean</del> Total	
January	4.68	6.36	3.48	4.33	2.18	4.82	1.99	5.05	6.17	2.23	41.29	
February	5.72	2.1	5.43	3.7	7.32	2.26	6.60	2.14	4.32	2.21	36.58	
March	7.7	3.24	2.71	2.76	1.61	2.76	2.45	1.12	1.89	3.29	22.60	
April	3.51	3.90	1.83	3.26	3.71	1.85	2.81	7.6	1.83	3.01	26.47	
May	2.66	4.58	2.27	4.54	1.16	1.23	2.74	3.63	1.32	1.45	25.58	
June	5.75	1.42	1.83	2.98	3.39	3.50	2.30	4.91	4.58	1.30	31.96	
July	4.34	4.81	2.77	2.27	2.10	4.36	2.47	5.13	5.82	4.26	38.33	
August	5.08	1.63	2.64	4.62	1.52	3.50	2.39	5.68	2.13	1.86	31.05	
September	2.56	6.31	1.88	3.95	7.91	5.17	2.43	1.86	1.23	5.25	38.55	
October	3.51	7.85	4.03	6.15	11.09	3.61	2.49	8.96	1.78	4.01	53.48	
November	7.39	3.60	2.49	1.89	5.22	5.09	1.87	5.41	7.75	6.64	47.35	
December	3.28	2.18	.82	6.46	3.11	5.13	2.10	4.56	3.29	3.81	34.74	
TOTALS	49.25	46.09	32.18	43.58	50.32	43.28	32.64	49.21	42.11	39.32	427.98	

House 30' high 50yds. SW. Wall 4' high 15' W. Hut 8' high 13' NE. Building 9' high 11' SE.

1937 Wall 4' high 30' N.E.

1938 Low Bakery 2' high 7' S. Wall 2' 7" high 9' N. but building 9' high 11' E.  
Wall 2' high 17' W.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
1931			Chatburn	6 fms.	SW	Chatburn	150 yds.	NE.



Station No. M. 2991RAINFALL at Chatham School

41

County of Central LancashireObserver E. P. Aldersley Esq.River Basin Ribble - B-1Type of Gauge R.A.Annual Average 43.0 in. based on 2 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 257/30

Diameter	5"			573	106							
Height	0' 11"				1		10"					
Altitude	322'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	1.33	5.14	6.19	6.16	2.90	4.79	5.39	7.62	2.32	2.90	44.74	
February	5.23	1.44	2.48	2.79	5.07	5.83	2.70	3.02	2.96	6.13	37.65	
March	3.86	3.98	1.27	35	2.13	1.33	7.08	2.03	1.45	2.03	25.51	
April	1.61	1.96	2.21	2.52	3.16	1.52	3.83	2.10	4.56	3.62	27.09	
May	2.34	2.08	2.97	5.12	3.76	2.14	3.46	1.46	2.62	1.58	27.56	
June	.34	1.96	3.89	3.29	4.76	3.75	3.19	5.38	.83	3.66	31.05	
July	(1.18)	4.26	2.93	3.98	2.99	6.09	5.11	1.85	2.45	4.18	35.32	
August	6.02	5.89	6.95	2.56	1.44	9.06	.71	3.86	3.06	9.87	49.42	
September	1.01	2.52	3.44	6.86	3.27	7.67	3.67	3.84	1.56	6.86	40.70	
October	5.70	5.90	4.13	4.72	5.88	1.34	.76	2.48	6.12	3.49	40.52	
November	2.53	1.28	2.86	7.54	40	8.71	6.70	2.97	5.31	6.22	44.52	
December	2.21	3.70	2.06	4.31	2.67	4.56	3.22	2.90	6.80	2.70	35.13	
TOTALS	33.39	40.11	41.38	50.20	38.43	56.79	45.82	39.51	40.34	53.24	439.21	

July 15 est'd. from nearby skns.

1947 Rockery 2' high 7' S. Wall 2' 1" high 9' N. Building 9' high 11' E. Wall 2' high 17' W.

00404

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.
1947			Chatham	44ft.	S.W.	Chatham	150*	N.E.

BRITISH RAINFALL ORGANIZATION

Station No. 2991 m

RAINFALL at Chalburn School

51

County of Central LancashireObserver E. P. Aldersley Esq. (retd. I.A.S.)River Basin Ribble & C.

HEADMASTER.

Type of Gauge B.C.P.Annual Average 43.8 in. based on 2 years obs. un-weighted. Period of average 1881-1915 Ref. S  
" " 44.52 " " 27 " within 1728-57 " " 1916-50 " " 5  
File No. 7577/30

Diameter ...	5'		573	106							
Height ...	0' 10"			1							
Altitude ...	322'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Totals
January ...	4.31	4.71	1.93	4.05	2.82	5.28	3.71	3.69	3.00	6.07	39.57
February ...	4.27	1.39	1.89	3.32	1.40	1.00	3.31	6.92	4.40	2.67	26.57
March ...	4.79	2.61	1.52	2.27	1.85	1.47	3.27	1.64	1.87	0.83	22.12
April ...	2.39	3.01	3.44	1.01	2.15	2.73	1.33	1.06	3.37	2.60	23.09
May ...	1.67	2.63	3.51	3.01	2.77	1.94	2.41	5.99	1.94	2.67	28.54
June ...	1.18	3.23	2.43	3.52	3.22	2.12	1.67	4.97	3.28	1.12	26.74
July ...	3.62	2.37	5.73	4.96	.96	4.89	4.29	3.45	2.77	7.35	40.89
August ...	4.01	6.25	6.06	5.06	1.23	10.75	4.78	4.56	.57	6.26	49.53
September ...	3.86	4.92	5.07	5.26	2.78	3.92	5.47	4.76	.33	3.16	39.53
October ...	1.19	3.32	1.59	8.57	2.87	2.14	5.22	3.45	4.54	3.70	36.59
November ...	8.47	2.27	5.07	5.37	1.86	1.76	1.52	1.89	5.80	7.76	41.74
December ...	10.12	3.81	2.26	6.36	5.64	4.41	5.25	3.71	6.14	5.17	52.87
TOTALS ...	49.88	40.52	40.56	52.76	29.55	42.41	42.23	46.39	34.01	49.36	427.81
	D	D	D	D	D	D	D	D	D	D	

1951 Rocky 3' high at 7'S. Wall 3'7" high at 9'N Building 9' high at 11'E Wall 5' high 17'W.  
 1956 Trees 30' at 70'S. School 194' at 45'SE. Observer Confirms 22" on 18 July.  
 1957 12' at 65 approx.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference (32) 749441

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Chalburn	4 fms S.W.	Chalburn	150' NE.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		c 1928	✓	✓	
		-	✓	✓	