

# RAINFALL AT Lochmaben Esthwaite

Lat.

Long.

County of Dumfries

Rain Gauge, by

Observer

W. J. Halliday Esq

Annan - 4.

Diameter . . . .			5								
Height . . . .			1. -								
Altitude . . . .			170T 166B								
Year . . . .	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . . .				1.71	4.68	2.05	2.62	1.22	2.00		
February . . . .				5.21	7.22	1.15	2.16	2.52	4.37		
March . . . .				1.52	1.86	2.97	4.34	6.00	.99		
April . . . .				1.25	1.83	2.43	1.53	2.80	4.09		
May . . . .				2.28	4.20	.33	.66	2.84	2.41		
June . . . .				1.85	3.99	1.46	3.98	3.27	2.51		
July . . . .				3.09	2.72	7.08	5.34	1.89	.42		
August . . . .				4.96	3.36	5.91	1.82	7.42	4.84		
September . . . .				2.25	.32	.63	4.77	3.21	2.31		
October . . . .				5.07	3.72	3.61	3.30	2.55	3.51		
November . . . .				3.38	1.96	5.43	5.83	1.52	3.84	3.42	
December . . . .				1.86	5.85	4.28	3.62	4.46	7.82	5.01	
TOTALS . . . .				37.00	43.61	37.07	36.50	44.88	35.88		

Lochmaben Church 300 yards S.W.

House 30ft high 63ft N.

Wall 7. - 45. N

# RAINFALL AT Lochmaben Esthwaite

Lat.....

Lon.....

County of Dumfries

Rain Gauge, by Carruthers H. P. F.

Observer

W. J. Halliday Esq. JP.

Area - 14.

Diameter .....				5							
Height .....				10							
Altitude .....				166							
Year .....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January .....					5.19	3.19	2.13	5.03	1.93	3.97	4.24
February .....					4.21	2.90	1.97	2.38	2.55	3.27	1.85
March .....					5.74	3.83	4.90	2.71	3.77	4.29	4.21
April .....					1.26	3.34	3.60	1.44	2.72	1.65	3.92
May .....					3.04	2.71	2.98	6.17	5.08	3.30	2.87
June .....					1.94	3.74	2.62	1.45	6.34	2.75	3.02
July .....					4.72	3.36	3.18	2.74	2.93	3.34	4.09
August .....					5.74	4.71	3.64	7.88	4.79	3.88	1.97
September .....					3.69	1.70	2.33	1.13	.60	4.54	1.93
October .....					9.85	2.20	2.57	4.20	7.72	2.20	10.10
November .....					3.18	2.60	3.95	2.95	3.16	2.99	1.37
December .....					3.28	2.57	1.67	3.13	6.19	3.95	5.56
TOTALS .....					51.84	36.85	35.57	41.21	47.78	40.13	45.13

1903 Lochmaben Church <sup>250</sup>  
 200 yards S W  
 Station  $\frac{1}{2}$  mile N  
 House <sup>30</sup> ft high 90 gr S

RAINFALL at Lochmaben, EsthwaiteCounty of Dumfries Observer W. J. Halliday Esq.River Basin Edder - Annan 34Rain Gauge, by Casella  
No. 7565

Diameter ...	5											
Height .....	1	0										
Altitude ...	<u>166 B</u>											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.35	1.44	4.50	4.52	3.44	3.30	5.80	2.34	5.13	3.45	5624	
February ...	5.24	4.93	3.15	2.36	5.97	8.15	3.95	1.24	5.01	.98	4098	
March .....	2.84	1.16	5.14	3.91	4.92	1.79	1.60	2.29	1.53	3.97	2915	
April .....	3.42	3.84	67	4.38	1.98	2.62	2.73	2.28	.82	2.28	2502	
May .....	2.48	2.08	1.42	3.75	2.67	1.81	3.80	2.95	2.34	.91	2421	
June .....	1.57	2.14	5.71	2.66	.53	.80	2.17	2.68	1.35	2.18	2209	
July .....	5.40	1.41	3.53	.81	2.94	3.72	5.98	2.24	3.64	1.17	3084	
August.....	7.92	2.62	6.49	1.25	3.32	2.80	4.31	7.39	4.00	3.86	4396	
September ..	1.02	2.25	2.19	2.27	1.84	1.34	2.38	4.09	6.53	3.46	2737	
October ...	2.75	3.55	3.83	3.55	1.43	2.38	7.30	5.84	5.95	1.95	3853	
November ..	4.57	4.81	3.47	4.91	4.44	2.62	3.94	4.01	3.24	3.59	3960	
December ...	4.35	7.17	5.77	2.55	6.12	6.94	4.49	2.63	4.57	7.11	5100	
TOTALS ...	43.9	37.40	45.87	36.92	39.60	38.27	48.75	39.98	44.11	34.91	40.972	

1916 Esthwaite stone 30ft. high 30 yds. S.

1917 July 9 Finedale 40 ft NW

1918 July 1 60ft NW.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.	55.9°	3.25°	Lochmaben	½ mile	N.	Lochmaben	200 yds.	SW x NW

RAINFALL at Lochmaben (Fellwaite)County of DumfriesObserver W. J. Halliday, Esq., M.B.E., F.R.S.River Basin C. Aneus.Cassella Rain Gauge, by  
No. 7065.

(1927) N.O.

Diameter ...	5"	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January .....	5.40	7.46	5.03	2.97	5.03	3.78	5.96	4.56	9.38	1.85	6.91	
February .....	2.29	.39	(3.64)	5.94	7.5	5.26	5.60	2.90	4.08	1.93	.19	
March .....	4.61	5.30	2.14	1.75	1.39	1.11	1.65	3.58	5.11	1.41	2.92	
April .....	2.00	1.57	2.54	4.80	3.56	4.99	2.62	2.73	1.27	.99	1.90	
May .....	5.41	2.67	2.82	2.10	3.99	5.61	3.68	2.80	1.51	3.36	1.64	
June .....	1.69	.59	2.10	1.23	1.98	.51	3.45	4.21	6.72	2.66	2.52	
July .....	4.45	5.30	5.83	3.64	4.06	1.88	11.03	7.13	3.63	5.29	5.69	
August .....	4.80	6.44	3.28	9.40	5.31	5.16	4.65	6.69	7.92	6.47	7.82	
September .....	2.21	2.25	2.78	5.12	5.64	3.13	4.15	6.85	2.37	.62	2.76	
October .....	2.21	3.07	2.78	6.53	3.42	5.14	14.12	4.36	8.50	6.71	7.70	
November .....	2.68	2.31	1.74	4.03	2.97	2.32	5.88	4.78	5.57	6.92	4.34	
December .....	4.53	5.84	4.39	4.16	7.65	3.29	1.31	1.59	4.41	7.55	4.36	
TOTALS ...	43.90	40.19	39.07	51.71	45.75	42.18	47.40	52.18	60.47	44.76	47.75	
	0	0	0	0	0	0	0	0	0	0	0	

1920. Fellwaite House soft. 37 yrs. S. of gauge.

1922. Interpolation accepted for Jan.

1926. House soft top 20 yds S.

1927. Garden Wall S for high 18 ft. W.  
" " 9 " " 20 " N.Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.	55° 47' N.	225° W.	Lochmaben	5 mi	N.	Lochmaben	200 yds.	SW by W.

RAINFALL at Lochmaben (Eelwaite)County of DumfriesObserver W.J. Halliday, M.B.E.River Basin U. AnnanType of Gauge StandardAnnual Average 40.7 in. based on 35 years obs. Un-weighted. Period of average 1881-1915 Ref. 5

Diameter	5"										Means
Height	1' 0"										
Altitude	166'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	4.89	5.25									
February	3.45	4.08									
March	1.08	3.54									
April	1.70	3.19									
May	3.88	2.88									
June	6.89										
July	5.75										
August	1.67										
September	1.33										
October	2.55										
November	9.52										
December	3.36										
TOTALS	46.04	41	<i>(Probably terminated as no column).</i>								

1931. House 30' high 27 yds. S.E. Garden wall 5' high by 6 yds. W. Garden wall 8' high by 6 yds.

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
1931.			Lochmaben	1/2 m	N.W.	Lochmaben	200 yds.	W.

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