

RAINFALL AT Dalton Kirkwood

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

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

County of Dumfries

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

Observer Arthur H. BellAnnex - 4.

Diameter ...								5			
Height .....								8			
Altitude ...								245			
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...								2.24	4.19	4.50	
February ...								2.50	3.08	1.88	
March .....								3.70	4.23	4.23	
April .....								2.46	1.75	4.72	
May .....								4.71	4.19	2.88	
June .....								7.90	2.61	2.95	
July .....								3.02	4.45	5.16	
August .....								5.86	5.49	2.98	
September ..								.85	5.73	3.54	
October ...								8.00	3.07	9.12	
November ..								3.80	3.17	1.70	
December ...								6.98	3.82	5.99	
TOTALS ...								51.92	45.78	49.65	

1907 Dalton Church { 2 mile W  
 Leckie Station 5/2 N.E.  
 1908 Ruthwell Station 4 S.W.  
 1909. Corrected for wrong day.

RAINFALL at Dalton, KirkwoodCounty of Dumfries Observer Arthur J. Steel Esq.River Basin Eden Annan 4.

Howard Rain Gauge, by

Diameter ...	5										
Height .....	0	8	1	6	0	8					
Altitude ...	245	T									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.77	1.64	3.62	3.94	3.41	3.72	5.84	2.68	5.63	4.07	3.732
February ...	5.12	5.13	3.73	2.57	5.78	8.43	3.35	1.28	5.63	1.36	4.238
March .....	3.25	1.32	5.67	4.70	4.99	2.34	1.68	2.70	1.96	3.38	3.199
April .....	3.42	4.88	.64	4.37	2.12	2.91	3.80	2.65	(.67)	3.09	2.855
May .....	2.97	2.64	2.16	4.10	2.88	1.98	4.46	3.79	(2.79)	1.23	2.900
June .....	1.25	2.75	5.76	3.36	.79	.90	3.78	2.10	(1.60)	2.14	2.443
July .....	5.80	1.72	3.96	1.19	3.49	5.57	5.81	2.17	4.89	1.24	3.584
August .....	7.68	2.86	5.80	1.68	4.24	2.66	4.32	7.36	4.46	3.79	4.485
September ..	.94	2.76	2.49	3.26	2.30	1.57	2.56	5.10	7.80	4.46	3.324
October ...	3.44	4.09	4.90	3.95	1.65	3.70	8.26	6.64	6.38	2.22	4.523
November ..	4.98	5.79	3.67	5.46	5.56	3.17	5.08	4.11	3.05	3.35	4.422
December ...	4.53	7.41	6.60	2.51	6.35	8.13	4.48	3.13	5.82	7.84	5.680
TOTALS ...	46.15	42.99	47.00	41.09	43.56	45.08	53.42	43.71	(50.68)	38.17	45.385

1914 low flowers.

NB. Rejected from Survey as 1" high.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.			Ruthwell	4 mls.	SW (1912) W. SW (1914)	Dalton	1 mile 2 s	SW (1912) W. SW (1914)

RAINFALL at Dallon (Kirkwood)County of DumfriesshireObserver Arthur J. Steel, Esq. (died 11/1/27)River Basin 4 Annan(1927) Captain SteelKirkwood Rain Gauge, bypen of Stewart (200)

Diameter ...	5											
Height .....	0.8											
Altitude ...	245								250			
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	5.80	7.62	4.73	2.78	5.57	3.67	6.16	4.65	9.64	2.29	6.57	
February ...	4.51	2.7	4.72	6.76	8.1	4.96	6.73	3.04	4.23	1.56	2.29	
March .....	4.92	5.81	2.52	1.90	1.46	1.24	2.11	3.88	5.94	1.47	2.66	
April .....	4.18	1.68	2.84	5.44	4.30	4.58	3.71	2.42	1.18	1.37	1.95	
May .....	5.68	2.83	3.28	2.57	5.86	7.01	4.02	3.22	1.62	2.92	2.29	
June .....	3.15	8.85	3.12	1.32	2.26	1.50	3.56	5.48	7.07	3.05	2.94	
July .....	9.29	6.10	7.82	3.78	5.23	2.72	5.03	5.63	4.80	5.92	6.38	
August .....	5.21	7.01	4.22	13.49	6.14	6.18	5.62	7.63	8.24	8.40	8.73	
September...	2.90	2.36	3.54	6.29	6.08	3.62	5.12	6.85	2.79	7.2	2.97	
October .....	2.62	3.31	2.84	8.61	4.84	5.19	4.47	4.89	8.50	6.55	7.98	
November...	2.27	2.88	1.72	4.72	3.29	2.08	5.96	4.16	6.33	7.35	4.11	
December...	5.03	6.24	5.06	4.87	8.36	4.25	1.07	1.92	4.72	6.76	4.33	
TOTALS...	56.56	47.01	46.41	64.55	54.20	46.00	53.56	53.77	65.06	48.36	51.20	
	P	D	D	P	P	D	P	D	D	D	D	

1920 Spent night & day - small floody flat in summer  
 1923 Looking

NB. Rejected from survey as 4' too high.

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
1920.			Ruthwell	4 m.	W.	Dalton	1 m.	SW



RAINFALL at Dalton (Kirkwood)County of DumfriesObserver Captain J. SteelRiver Basin U - AnnanType of Gauge HowardAnnual Average 45.2 in. based on 26 years obs. un-weighted. Period of average 1831-1915 Ref. S

Diameter	5"										
Height	1' 0"					1' 6"	1' 8"		1' 0"	1' 8"	
Altitude	250'										1936 40
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.05	5.44	5.01	5.40	2.36	5.41	4.58	5.39	5.94	2.50	2362
February	3.51	.16	3.84	.87	4.80	2.59	4.93	2.19	4.22	1.84	1577
March	.87	3.93	1.90	2.61	1.86	3.38	1.47	2.42	3.41	6.09	1677
April	2.33	3.73	2.42	3.88	4.32	1.00	3.65	.39	1.65	1.84	883
May	3.36	3.65	3.16	3.40	.78	.61	1.93	4.64	1.34	.97	949
June	7.33	2.16	3.12	3.47	4.54	3.27	3.38	5.19	3.22	1.03	1609
July	6.22	5.22	5.66	2.51	2.33	5.36	3.66	7.50	6.48	5.66	2866
August	2.55	2.02	3.38	6.49	5.06	3.06	2.61	3.06	1.20	1.44	1137
September	2.20	5.17	0.95	6.90	5.00	5.98	3.87	3.65	2.50	4.25	2625
October	3.63	7.50	3.19	5.66	5.21	4.05	4.08	7.11	3.01	3.86	2211
November	11.46	3.59	2.12	.97	6.13	4.26	1.00	7.86	4.08	4.72	2192
December	4.43	7.49	1.35	6.55	3.02	4.38	3.14	3.16	2.22	5.08	1798
TOTALS	51.94	50.06	34.80	48.21	48.41	43.35	38.30	52.56	39.27	39.28	31256

Inspected 18.7.36. New gauge once operative recommended

1936 seen 9.16/8/36

1940 (March) 5" paper measure supplied.

13 4 21

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			Ruthwell	4 1/2 m	S.W.	Walter	1 m.	S.W.
1938			"	4 m	S	"	"	S

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

Station No. 5033

RAINFALL at Dalton (Kirkwood)

41

County of Dumfries

Observer Captain J Steel

River Basin It - Annan

Type of Gauge Howard M.O

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

File No. ....

Diameter	5"			618	140						
Height	1'8"				1						
Altitude	250'				41	260'					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	0.77	6.15	5.99	3.72	3.62	4.57	4.82	8.40	2.89	1.94	
February	4.03	2.18	2.43	.92	5.95	2.00	.82	3.14	2.93	3.65	
March	3.31	3.89	1.29	.32	2.57	3.06	4.99	2.07	2.01	4.50	
April	2.08	2.66	2.44	2.44	3.08	.99	4.79	3.76	2.75	3.64	
May	3.79	4.69	4.63	2.43	4.36	1.82	3.20	2.30	2.12	2.05	
June	.64	.73	4.59	4.13	3.97	3.87	4.07	5.95	1.17	3.56	
July	4.72	3.55	3.06	4.41	4.68	4.23	4.21	2.90	3.27	4.47	
August	5.83	4.35	6.88	4.44	1.70	5.83	.11	8.06	3.50	6.98	
September	2.34	4.94	4.47	7.04	4.42	7.33	2.60	4.67	2.09	8.99	
October	5.62	4.36	7.43	3.99	4.31	.92	1.08	4.30	5.31	3.23	
November	3.19	1.30	2.98	6.26	.33	6.30	5.34	4.81	5.05	2.77	
December	1.65	5.61	2.10	5.77	2.35	4.42	2.14	5.80	7.39	1.76	
TOTALS	37.97	44.41	48.29	45.87	41.34	45.34	38.17	56.16	40.48	47.54	

Totals  
42.87  
28.05  
28.01  
28.63  
31.39  
32.68  
39.50  
47.68  
48.89  
40.55  
38.33  
38.99  
44.57

1942 Various objects near gauge.

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			Ruthwell	4	S	Dalton	1	S.

Station No. 5033

RAINFALL at Daeton (-Kirkwood)

51

County of Dumfries Observer Captain J. SteeleRiver Basin 4 - Annan I. J. Steele 1932Type of Gauge no.Annual Average 44.43 in. based on 24 years obs. un-weighted. Period of average 1916-50 Ref.

File No.

Diameter ...	5'				618	140					
Height ...	1' 8"					1					
Altitude ...	260'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.87	3.82	1.73	4.06	3.46	3.50	5.90	5.01	2.07	4.61	
February ...	2.96	.65	.92	3.83	1.72	1.07	3.82	3.62	1.36	5.62	
March ...	4.00	2.88	.78	3.39	2.48	1.53	3.38	1.70	2.95	1.71	
April ...	1.88	2.82	3.17	.95	1.99	.91	1.91	1.24	3.19	4.31	
May ...	2.02	2.13	2.72	3.37	3.31	2.32	3.01	5.10	1.32	2.15	
June ...	1.70	3.77	1.19	4.33	3.56	2.76	1.25	4.04	3.43	2.16	
July ...	3.26	2.66	8.62	4.84	2.51	6.72	4.67	5.13	3.79	4.47	
August ...	4.86	4.13	3.54	5.54	1.89	7.88	3.72	4.36	0.50	4.15	
September ...	5.27	2.00	6.08	7.11	3.21	3.30	4.45	7.26	1.76	3.76	
October ...	0.55	5.12	2.75	10.41	2.73	3.13	5.01	3.57	4.54	3.34	
November ...	9.06	2.34	6.51	8.87	1.86	1.32	1.98	1.72	5.74	7.37	
December ...	6.30	4.02	2.93	4.37	5.21	4.28	3.28	3.89	7.25	3.30	
TOTALS ...	47.73	36.34	40.94	61.51	33.84	38.72	42.48	46.84	37.90	46.95	
	D	D	D	D	D	D	D	D	D	D	

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference NY (35) 122752

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1951			Ruthwell	4.42	S	Daeton	1.42	S

Summary of Earlier Records from 10-year Sheets : Ref. para to 1936 1916-1950, P - Rejected Jan 1951

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓ 63-18	✓	✓ 63-37	✓ but d 47	