

RAINFALL AT Dalton Kirkwood

Lat. _____

Lon. _____ County of Dumfries

Rain Gauge, by _____

Observer Arthur H. E. C.

Annals - 4t.

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 miles SW

Lochmaben Station 5/2 . NE

1908 Ruthwell Station 4 . SW

1909. Corrected for wrong day.

RAINFALL at Dalton, Kirkwood

County of Dumfries Observer Arthur J. Steel Esq.
River Basin Edder-Arnan 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.	Totals (619)
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	(1.67)	3.09	2.855	
May	2.97	2.64	2.16	4.10	2.88	1.98	4.16	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 ..	9.4	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	63.42	43.71	(50.68)	38.17	45.385	

1914 low flowers.

N.B. Recycled from Survey as 1" High.

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

RAINFALL at Dalton (Kirkwood)County of DumfriesObserver John G. Steel, Esq. (and 1927)River Basin et Aunar.

(1927) Captain Steel

Kirkwood Rain Gauge, by _____

per J. Dawson (cont.)

Diameter ...	5	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
Height	0.8											
Altitude ...	245											250
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	5.80	7.62	4.73	2.72	5.57	3.67	6.16	4.65	9.64	2.29	6.57	
February ...	4.51	2.27	4.72	6.76	8.81	4.96	6.73	3.04	4.23	1.86	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	2.88	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	5.48	5.23	2.72	5.03	5.63	4.80	5.92	6.88	
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	7.72	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	4.92	3.29	2.08	5.96	4.16	6.33	7.35	4.11	
December...	5.03	6.24	5.06	4.89	8.36	4.25	1.07	1.92	4.72	6.76	4.83	
TOTALS...	56.56	47.01	46.41	64.55	54.20	46.00	53.56	53.77	65.06	48.36	51.20	
	0	3	D	D	D	D	D	D	D	D	D	

1920 Site near & gauge - small flooding flat, in sunne

1923 Looking

NB. Rejected from Survey as 4° too High.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.			Dalkeith	44 m. W.		Dalkeith	1 m. SW.	

RAINFALL at Duxton (Kirkwood)

County of Dumfries Observer Captain J. Steel.

River Basin N - Annan

Type of Gauge Standard.

Annual Average 458.8 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S

Diameter	5"										
Height	1' 0"					1.6	1' 8		1' 0" 1' 8"		
Altitude	250'									1936 460	
Year	1881	1882	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	23.62
February	3.51	1.16	3.64	1.87	4.80	2.59	4.93	2.19	4.22	1.84	15.77
March	8.7	3.93	1.90	2.61	1.86	3.38	1.47	2.42	3.41	6.09	16.77
April	2.33	3.73	2.42	3.88	4.32	1.00	3.65	3.39	1.65	1.84	8.53
May	3.36	3.65	3.16	3.40	1.78	1.61	1.93	4.64	1.34	.97	9.49
June	7.33	2.16	3.12	3.47	4.54	3.27	3.38	5.19	3.22	1.03	16.09
July	6.22	5.22	5.66	2.51	2.33	5.36	3.66	7.50	6.48	5.66	28.66
August	2.55	2.02	2.38	6.49	5.06	3.06	2.61	3.06	1.20	1.44	11.37
September	2.20	5.17	0.95	6.90	5.00	5.98	3.84	3.65	2.50	4.25	20.25
October	3.63	7.50	3.19	5.66	5.21	4.05	4.08	7.11	3.01	3.86	9.21
November	11.46	3.59	2.12	1.97	6.13	4.26	1.00	7.86	4.08	4.72	21.92
December	4.43	7.49	1.35	6.55	3.02	4.38	3.14	3.16	2.22	5.08	17.98
TOTALS	51.94	50.06	34.80	48.21	48.41	43.35	38.30	52.56	39.27	39.28	312.56

Inferred 18736. New gauge or one granite recommended

1876 new g. 160.36

1940 (March) 5" Paper measure supplied.

13 4 21

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			Ruthwell	4.2m	S.W.	Walton	1m.	S.W.
1938			"	4m	S	"	"	S

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

Station No. 5033

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RAINFALL at Dalton (Kirkwood)

County of Dumfries

Observer Captain J. Steel

River Basin Nith Annan

Type of Gauge Howell's 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	Totals 12.87
February	4.03	2.18	2.43	2.92	5.95	2.00	.82	3.14	2.93	3.65	28.05
March	3.31	3.89	1.29	1.32	2.57	3.06	4.99	2.07	2.01	4.50	28.01
April	2.08	2.66	2.44	2.44	3.08	.99	4.79	3.76	2.75	3.64	28.63
May	3.79	4.69	4.63	2.43	4.36	1.82	3.20	2.30	2.12	2.05	31.39
June	1.64	7.3	4.59	4.13	3.97	3.87	4.07	5.95	1.17	3.56	32.68
July	4.72	3.55	3.06	4.41	4.68	4.23	4.21	2.90	3.27	4.47	39.50
August	5.83	4.35	6.88	4.44	1.70	5.83	.11	8.06	3.50	6.98	47.67
September	2.34	4.94	4.47	7.04	4.42	7.33	2.60	4.67	2.09	8.99	48.89
October	5.62	4.36	7.43	3.89	4.31	.92	1.08	4.30	5.31	3.23	40.55
November	3.19	1.30	2.98	6.26	.33	6.30	5.34	4.81	5.05	2.77	38.33
December	1.65	5.61	2.10	5.77	2.35	4.42	2.14	5.80	7.31	1.76	38.99
TOTALS	37.97	44.41	48.29	45.87	41.34	45.34	38.17	56.16	40.48	47.54	445.57

1942 Various objects near gauge.

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

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 Dalton (-Kirkwood)

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County of Dumfries

Observer Captain J. Steel

River Basin 4 - Annan

I.J. Steel, Esq.

Type of Gauge 4 m.o.

Annual Average in. based on years obs. un-weighted. Period of average 1916-50
 " " 44.43 " 24 " within 1934-58. " " File No. 5

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	3.87	3.31	2.32	3.01	5.10	1.32	2.15	
June	1.70	3.77	1.19	1.33	3.56	2.76	1.35	4.04	3.43	2.16	
July	3.26	2.66	8.62	1.84	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	4.56	0.50	4.15	
September	5.27	2.00	6.08	7.11	3.21	5.30	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	1.80	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	3.81	7.25	3.30	
TOTALS ...	47.73	36.34	40.94	61.57	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 NX(35) 122752

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Ruthwell	4 mi S	Dalton	1 mi S

Summary of Earlier Records from 10-year Sheets : Beg. during to 1936 1916-1950, P - Rejected

Record B, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓ 6.5 - 18	✓	✓ 1.3 - 37	✓ 1.3 - 47	