

RAINFALL AT Falkirk Brough Buildings

Lat.

Lon.

County of ...

Stirling

Snowdon Rain Gauge, by N. 42

Observer David Ronald Esq. C.E.

Fork, Ribank - 1.

Diameter ..				5							
Height ...				10							
Altitude ..				106 ft			107 ft				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..				6.60	2.55	1.31	4.56	1.84	4.14	4.41	
February ..				6.06	3.17	1.74	2.21	2.66	1.93	1.61	
March				6.53	1.91	3.34	3.84	4.57	4.01	2.97	
April95	3.83	2.24	1.18	1.72	1.31	2.99	
May				1.66	2.57	1.37	4.34	4.11	3.17	3.08	
June				1.68	1.54	.59	1.55	4.36	1.68	1.45	
July				3.92	2.41	1.75	1.62	2.27	3.40	2.34	
August				4.06	3.82	2.82	5.60	4.46	2.87	3.03	
September ..				2.87	1.80	2.02	1.43	1.31	5.29	1.74	
October				6.66	1.34	2.22	5.03	6.52	1.28	3.92	
November ..				1.87	1.43	4.43	2.95	1.62	2.68	1.81	
December ..				1.91	3.58	3.58	2.01	5.25	2.23	4.14	
TOTALS ..				44.77	29.95	27.41	36.32	40.69	33.99	33.49	

1903 Falkirk Church 30 yards S W

Grahamston Station 200 " N

1904 Tree 10ft high 10 yards W

This gauge is in the vicinity of high buildings & trees & is not perfectly accurate, it is kept principally for heavy falls in short periods D.R.

RAINFALL at Falkirk, Burgh Buildings

County of Stirling Observer David Ronald Esq. C.E.
N. Gibson Esq. (14) and (17)
 River Basin Left - Right bank tube 1
J. Mac Kee (16)
 Smother Rain Gauge, by N + 3

Diameter ...	5											
Height	1 0											
Altitude ...	107 ↑											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	TOTALS. MEANS. 16-17.	
January ...	4.16		2.37	4.04	3.47	2.03	-				(14.07)	
February ...	2.39		2.55	2.92	3.48	4.16	imp				(10.96)	
March	1.99		4.14	4.30	3.69	2.18	2.99				(8.54)	
April	3.55		.83	2.98	1.92	2.27	1.75			1.84	(5.79)	
May	1.31		1.51	2.11	2.37	1.65	4.89			.66	(9.77)	
June	1.03		4.44	2.50	.64	1.98	2.64			3.00	(7.04)	
July	2.51		2.17	1.27	3.11	3.54	3.62			1.25	(10.90)	
August	5.20		2.88	1.14	3.09	4.07	2.68			2.48	(13.44)	
September ..	.74		2.24	2.79	1.15	2.02	.73			2.32	(9.86)	
October ...	2.83		3.23	1.74	1.49	3.08	5.11			1.04	(15.65)	
November ..	2.16		3.38	5.37	5.31	1.88	imp			6.01	(17.19)	
December ...	1.98		7.79	3.19	6.79		3.60			4.18	(14.22)	
TOTALS ...	29.85		37.53	34.35	36.51			NR			(137.43)	

1913 Smother 107 ft high 15 ft W

1919 g broken Jan Feb March.
 Building - F.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912 1914	56.0.2	3.47.6	Grahamstown	1/8 m	N	Falkirk P.C. St. Andrew. W. St.	30 m 60 ft.	SW S.W.

RAINFALL at Falkirk { Burgh Buildings
Arndale House(moved to
Arndale
Oct. 1922)County of StirlingObserver M. Gibson Esq.River Basin Forth - Right bank side. 1.Snowdon Rain Gauge, by N. G.

Diameter ...	5"			5"									
Height	10			10									
Altitude ...	107			105									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SUMS	
January ...	4.08	5.45	3.79	3.67	2.71	4.61	5.18	4.25	8.31	1.96	4.66	49.66	
February ...	8.17	4.2	2.02	4.41	7.7	3.35	4.36	2.20	5.66	1.46	.77	33.59	
March	3.52	4.75	2.47	1.62	1.23	2.36	3.46	2.50	3.53	1.45	2.76	28.65	
April	1.33	1.00	1.95	3.36	1.88	4.43	1.88	1.75	1.04	1.45	.76	20.83	
May	3.37	1.20	2.20	2.13	5.81	5.82	2.96	2.10	1.88	2.23	.98	30.68	
June99	1.2	1.41	1.77	1.81	.51	2.21	3.63	5.41	2.23	2.49	22.58	
July	2.55	2.71	3.61	3.46	3.66	1.68	4.28	3.97	2.32	3.02	2.58	34.84	
August	5.51	5.74	1.73	5.54	2.73	2.39	2.48	6.99	4.32	5.17	5.11	47.71	
September...	2.01	2.12	1.97	3.96	4.33	3.21	3.81	7.08	3.32	1.85	2.95	36.61	
October	1.07	4.50	1.67	4.83	2.70	2.92	5.34	4.48	4.94	3.59	4.81	40.95	
November...	3.31	1.65	1.96	3.29	2.84	.78	5.95	3.01	4.64	5.54	3.97	36.94	
December...	3.33	5.66	3.86	3.77	6.26	3.60	.98	1.20	4.17	7.22	3.01	43.06	
TOTALS...	39.24	35.32	28.64	41.81	37.83	35.66	42.89	43.16	49.54	35.16	36.55	426.10	

1920. Building 44 ft S. 1925. Obs. noted that 1.80 = 31. March + April 1.

1922. Gauge was moved from Burgh Buildings to Arndale in
 Oct. 1922. Mr. Gibson is of opinion that no difference of
 any importance will result as to the change.

1929. Arndale Ho. 32' high, 20 yds. N.W.

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

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	56° 0' 2"	3° 47' 6"	Grahamstown	200 yds	N	Falkirk	307 yds	S.W.
1923	56° 0' 6"	3° 47' 15"	"	750 "	N.E.	"	800 "	E.

RAINFALL at Falkirk (Arncliffe)County of Stirling Observer W. Gibson.River Basin 1 - Forth - Right Bank.Type of Gauge StandardAnnual Average 33.7 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. Summary
computed xii/36

Diameter	5											
Height	1.0											
Altitude	108											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	2.56	5.02	3.77	5.18	1.47	4.76	3.34	6.82	4.10	8.37		37.39
February	2.79	.03	2.83	.27	3.61	2.23	4.21	1.31	5.69	.95		23.92
March	1.59	2.27	1.86	3.16	1.25	2.43	1.98	2.60	2.21	(3.60)		22.95
April	2.06	3.18	1.42	3.54	2.55	1.18	1.48	.36	1.64	2.90		20.31
May	3.94	3.04	2.17	1.53	.46	.51	1.99	4.13	1.06	2.10		20.93
June	5.30	.99	.93	2.35	3.68	1.54	2.01	3.95	1.18	.74		22.67
July	4.04	2.18	3.91	2.52	.97	4.25	3.60	3.07	4.15	4.69		33.38
August	3.38	.90	1.72	3.65	1.52	2.18	4.21	2.31	.76	1.05		21.68
September	1.17	3.86	1.01	3.32	5.07	3.39	2.17	3.11	1.92	2.66		27.68
October	3.02	4.78	2.58	4.42	7.74	3.79	4.33	7.28	2.47	3.97		44.38
November	5.99	3.12	1.99	1.01	4.29	3.23	.51	7.40	6.90	4.16		32.60
December	3.15	7.28	.88	3.63	2.02	4.12	2.20	2.72	.66	3.49		30.15
TOTALS	38.99	36.65	25.07	34.58	34.63	32.61	32.03	45.06	32.74	32.68		346.04
	D.	A.	D.	D.	D.	D.	D.	D.	D.	D.		44.6

1931. Arncliffe House 32' high. 20 yds. N.W.
1940. Max. part extd.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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931.			Grahamston	750 yds.	E.	Falkirk	800 yds.	SE.

Station No. 5345

RAINFALL at Falkirk (Arnstdale) + M.W.R.

41

County of Stirling Observer W. Gibson, Esq.

River Basin 1- Forth. Right Bank

Type of Gauge Snowden

Annual Average 22.7 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter	5"				896	670						
Height	1' 0"					1						
Altitude	105'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	163	4.95	4.13	4.61	2.94	4.26	3.62	6.91	4.07	3.08		Totals 40.20
February	4.11	1.95	3.22	1.31	5.27	3.16	2.09	4.49	3.95	4.06		33.61
March	3.00	1.65	2.73	.73	2.65	2.80	3.75	3.29	1.22	2.66		24.48
April	1.48	2.37	2.07	2.71	1.57	.93	4.84	3.09	3.11	2.75		24.92
May	4.34	2.42	3.88	3.16	4.85	1.80	3.40	1.68	2.18	1.70		29.41
June	0.70	1.60	3.29	2.47	3.43	2.63	4.21	5.11	.81	2.14		26.39
July	3.75	2.04	2.32	2.83	3.96	3.43	3.03	4.45	2.55	5.29		33.65
August	3.94	2.86	5.83	3.96	2.55	3.73	0.00	7.62	3.45	3.76		37.70
September	.82	4.23	2.56	4.20	4.72	5.35	3.45	4.69	1.36	4.22		38.60
October	3.56	3.89	6.68	3.80	4.65	.65	1.61	3.39	5.25	3.18		36.66
November	2.66	.58	1.69	8.17	.58	5.10	4.44	2.96	3.05	3.64		32.86
December	2.52	3.23	1.89	4.45	3.21	3.72	2.12	3.80	6.71	1.80		33.45
TOTALS	32.50	31.77	40.29	42.40	40.38	37.56	36.56	51.48	37.71	44.28		391.93
	5	2	7	2	2	2	2	2	2	2		28

Temp. 13.12.46. + Reading now used for climate stat at Falkirk See river

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.

BRITISH RAINFALL ORGANIZATION

Station No. 5345RAINFALL at Falkirk (Arnotdale)

51

County of Stirling Observer W. Gibson Esq.River Basin South West Bank 1 Burgh EngineerType of Gauge Snowdon (+A)Annual Average 33.7 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S37.19 " " 35 " " 1916-1950 1916-1950 P

File No.

Diameter ...	5"				896	670						
Height ...	1'0"											
Altitude ...	105'					5'						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	5.17	3.62	1.51	4.38	2.82	2.20	6.34	2.69	1.14	3.99		
February ...	2.79	.98	1.44	3.32	3.10	1.18	3.73	2.06	1.16	3.05		
March ...	2.78	2.48	.92	2.78	1.69	1.80	2.75	1.72	1.67	1.73		
April ...	2.46	1.21	2.06	1.82	1.10	.87	1.42	1.00	3.16	2.48		
May ...	2.11	1.63	1.90	4.24	3.51	1.94	1.95	2.91	1.08	2.84		
June ...	2.04	2.73	1.58	2.57	1.37	3.31	1.73	3.40	2.05	1.69		
July ...	5.02	3.31	5.20	2.28	0.94	4.36	3.83	7.31	4.85	-100		
August ...	4.88	4.19	2.48	4.35	1.08	4.90	3.66	4.53	.721			
September ...	2.36	2.24	3.76	4.32	2.35	4.56	2.02	2.79	.89			
October ...	2.83	2.47	1.87	9.15	2.14	2.83	3.08	2.67	2.98			
November ...	5.15	2.23	5.74	4.15	1.64	.79	1.46	1.53	5.52			
December ...	5.41	2.87	4.40	4.67	6.13	4.93	4.62	5.73	5.12	-100		
TOTALS ...	41.00	29.96	32.86	48.03	27.87	33.67	36.20	38.34	30.33	-100		
	D	D	D	D	D	D	D	D	D	A.P.		

1889. Screen gauge set up on putting down 200 yds NE of old gauge site. Old gauge will remain as overcast for time being.

1960 A.P. inc.

879803

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference N5(24) 88483

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- (2nd) accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1910, 12-14, 15, 16-19 ✓	✓ but 2.21, 2.5, 2.9	✓ but d. 32	✓	