

# RAINFALL AT Falkirk Burgh Buildings

Lat. ....

Long. ....

County of Stirlingshire

Sunderon Rain Gauge, by N.Y.C.  
Forth, R. bank - 1.

Observer David Ronald Eng.C.E.

Diameter ..				5							
Height ..				1 0							
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	
April ..				.95	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	3349	

5 5 5 5 5 5

1903 Falkirk Church 100 yards S.W.

Palanckton Station 150 yards 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. B.Sc.

W. Gibson Esq. (14) - (17)

River Basin Forth - Right bank trib.

J. Mc Kee (16)

Sunken Rain Gauge, by N + 2

Diameter ...	5											
Height .....	1 0											
Altitude ...	107 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	Total 13. Mean 16-19.	
January ...	4.16	2.37	4.04	3.47	2.03	-					(14.07)	
February ...	2.39	2.55	2.92	3.48	4.16	4.4					(10.46)	
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 (5.74)	
May .....	1.31	1.51	2.11	2.87	1.65	4.89					.66 (9.77)	
June .....	1.03	4.44	2.50	.64	1.98	2.64					2.00 (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					2.22 (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			(13743)	

1913 Smaller top of height 15 ft W

1919 g broken Jan Feb March

Building E.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	56° 0' 2"	3° 47' 6"	Grahamstown	1/8 mi	N	Falkirk P.C.	30 rods	S.E.
1914						St. Andrew's U.T.	60ft.	S.W.

RAINFALL at Falkirk, { Burgh Buildings  
Montrose House

Conseil d'Amato  
Oct. 1922

County of Stirling

Observer R. Gibson Esq

River Basin Forth - Right bank trib. 1.

Snowdon Rain Gauge, by N & G

Diameter ...	5"		5"									
Height .....	1	0		1	0							
Altitude ...	107		105'									
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	SUMS
January ...	4.08	5.45	3.79	3.67	3.71	4.61	5.18	4.25	8.31	1.95	.46	49.66
February ...	8.17	4.42	2.02	4.41	7.7	3.35	4.36	2.20	8.66	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	.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	20.73
May .....	3.37	1.20	2.20	2.13	5.81	5.82	2.96	2.10	1.88	2.23	.98	30.68
June .....	.99	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	2.43	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	2.90	2.92	5.34	4.48	4.94	3.59	.48	40.93
November...	3.31	1.65	1.96	3.29	4.84	.78	5.95	3.01	4.64	5.54	3.97	36.94
December...	3.33	5.60	3.86	3.77	6.86	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	36.85	426.10

1920. Building 144 ft S. 1925. Obs. noted that  $1:80 = 31$ . March + April 1.

1923 Saage was moved from Brush Buildings to Arnotdale in  
Oct. 1922. Mr. Wilson is of opinion that no difference of  
any importance will result as to the change.

1929. Anstide No. 32' high, 20 yds. N.W.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series			No. of Map	Reference No.				
Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	56° 0' 2"	3° 47' 6"	Grahamstown	200 yds	N	Falkirk	30 yds	S.W.
1923	56° 0' 6"	3° 47' 15"	"	750 "	NE	"	800 "	E.

RAINFALL at Fackets (Arnoldale)

County of Stirling

Observer W. Gibson

River Basin. 1-Forth-Right Bank.

Type of Gauge Snowdome

Annual Average 33.7 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. Summary  
Gauge-tied XII '86

1931. Arnosdale House 32' high 20 yds. N.W.  
1940 Mat part estd.

*Position of Station on reduced Ordnance Survey Map.* } No. of Map..... Reference No. ....  
 1 mile to 1 inch Series }

1 mile to 1 inch Series							
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church	Distance from gauge
1931.			Grahamston	750 yds.	E.	Talnirk	800 yds. S.E.

Station No. 53145

## RAINFALL at Falkirk (Arnoldale) + M.W.B.

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County of Stirling

Observer W. Gibson, Esq.

River Basin 1- Firth: Right Bank

Type of Gauge Standard

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	1.63	4.95	4.13	4.61	2.94	4.26	3.62	6.91	4.07	8.08	Total 15.40.20
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	1.3	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	1.81	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	2.65	.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	33.15
TOTALS	32.50	31.77	40.29	42.40	40.38	37.56	36.56	51.48	37.71	41.28	391.93

Imp. 12.12.1966. + Readings now used for ultimate stem at July 1st 1948

See notes

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

Station No. 5345

RAINFALL at Valkirk (Arnoldale) M.W.R.

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County of Stirling Observer M. Gibson Esq.River Basin Forth - Right Bank Burgh EngineerType of Gauge Snowdon (+A)Annual Average 33.7 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S  
37.19 " " 35 " 1916-1950 1916-1950 P  
File No.

Diameter	5"				896	670					
Height	140"										
Altitude	1055'					57					
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	7.21		
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	30.83	-100	
	D	D	D	D	D	D	D	D	D	X.P.	

1956. Screen gauge taken on building green 200' N.E. of old gauge site. Old gauge will remain as overcast for time being.

1960 n.p.m.c.

879803

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference NS(26) 879803

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- (Rev.) accepted

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