

8358 10

RAINFALL at Stirling (Meteorological Station)

County of _____ Observer J. Tyte, Esq., C.S.I. per S.M.S.

River Basin Forth, R. bank into -1.

Rain Gauge, by _____

Diameter ...												
Height												
Altitude ...												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...							56.2	1.33	4.95	3.48		Totals 16.19 15.38
February ...							4.20	(60)	4.88	1.22		10.90
March							1.81	2.24	1.27	3.01		8.33
April							1.89	1.27	.66	1.53		5.15
May							3.78	3.23	1.94	.50		9.51
June							2.80	.71	.48	2.00		5.99
July							4.61	1.36	2.87	.65		9.49
August							3.01	4.98	3.57	2.83		14.39
September...							.79	1.30	5.98	2.23		10.30
October ...							6.65	6.06	5.03	.66		18.40
November...							4.64	4.56	3.62	4.55		17.37
December...							4.33	1.33	3.76	6.61		16.03
TOTALS ...							44.13	28.97	39.01	29.13		141.24 41.1

? same as next sheet

1916 from next sheet (study only)

1917 from Victoria Place

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at *Stirling, Lauchie House*County of *Stirling*Observer *J. Lyster Esq. C.E.I.*River Basin *Forth - Right-bank tribe. 1.*

(1928) M.D.

Snowdon Rain Gauge, by

Diameter ...	5"											
Height	1	0										
Altitude ...	151											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN.	
January ...	5.74	6.26	4.52	(2.96)	4.24	4.96	5.73	5.08	11.13	1.54	4.62	Total 56.78
February ...	6.88	5.9	3.36	(3.94)	4.5	4.63	5.28	2.47	5.26	1.57	.28	34.71
March	3.36	5.73	2.34	1.65	.94	1.48	2.39	3.05	4.06	.45	.276	28.21
April	1.51	1.06	2.56	3.86	2.51	3.98	1.92	1.88	1.35	.65	.87	22.15
May	3.83	2.43	2.78	1.42	4.96	6.31	2.98	2.51	1.54	2.52	1.36	32.64
June	1.61	.26	1.40	1.29	2.23	.37	2.54	3.94	4.27	1.74	.287	22.02
July	3.31	3.67	3.06	2.55	3.65	1.04	4.02	3.86	2.24	2.59	.633	35.32
August	4.63	5.52	1.69	5.86	2.44	3.23	2.79	6.84	5.00	4.78	.624	49.02
September...	1.43	1.85	1.63	4.80	4.30	2.79	3.36	5.96	3.45	.81	.440	34.78
October	1.43	3.46	1.59	4.05	3.14	3.85	4.27	5.69	6.07	4.41	.491	42.87
November...	4.77	2.92	2.50	2.48	2.88	.50	6.67	3.08	5.31	5.91	.428	41.31
December...	4.13	5.07	3.53	2.96	8.11	3.45	.95	.99	4.33	7.13	.439	45.04
TOTALS...	42.63	38.83	30.96	(67.82)	39.85	36.59	42.90	45.35	54.01	34.10	.4181	444.85
	D	D	D	D	D	D	D	D	D	D	D	406

1923. Estimated for Jan - 11 Feb.

1928. Tree 30 ft. 6 in. high 42.5" W. SW. by S.

" 21 " " " 16.10 N. NE - [Blown down in Dec. 1929]

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° 7'	3° 56'	Stirling	554 yds	S	Groswold Engine	300 yds	E.
						(1825) Groswold	300 yds	N.E.

RAINFALL at Stirling (Sauchie House) M.W.R.County of StirlingObserver The Town Council
J. Fyfe C.S.E.River Basin 1-Forth - Right BankType of Gauge M. O.Annual Average 35.9 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. Summary
computed X 11/36

Diameter	5											
Height	1.0											
Altitude	151											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.56	5.92	4.92	5.91	1.24	5.04	3.70	7.81	3.76	(1.97)		Totals 43.83
February	2.80	.03	2.50	.24	3.47	1.86	4.16	1.72	4.75	1.30		22.53
March	1.08	1.99	2.22	2.59	1.21	2.73	2.10	2.54	2.75	3.20		22.41
April	2.01	4.13	1.15	4.27	3.48	1.14	2.02	.36	1.74	3.02		23.32
May	4.24	3.41	2.44	1.57	.19	1.26	1.55	3.96	1.57	1.19		21.38
June	5.79	1.50	.97	2.03	3.88	1.60	1.78	4.59	2.11	.83		25.08
July	4.84	2.41	3.28	2.73	.58	3.51	3.34	3.46	4.35	4.67		33.17
August	2.01	1.28	1.67	3.67	2.12	2.34	3.99	2.01	1.18	.94		21.21
September	1.06	2.98	.96	4.78	5.81	4.56	2.39	3.62	1.79	2.20		30.15
October	2.44	5.65	3.23	5.60	8.30	3.95	3.92	7.61	2.61	4.94		43.25
November	8.44	2.82	2.33	.51	3.47	2.85	.48	6.81	7.45	5.06		40.22
December	2.94	7.99	.51	4.89	2.78	6.01	2.62	3.15	2.04	3.55		36.48
TOTALS	41.21	40.11	26.18	38.79	36.53	36.55	32.05	47.64	36.10	32.87		368.63
	3.4	3.4	d.	d.	d.	d.	d.	d.	d.	d.		36.6

1932. Tree 20' high 27' s. House 14' high 24' w. Well 2' high 19' s.e. Tree 30' high 35' n.e.

1940 Jan. corrected for snow.

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
1932.			Stirling	700 yds	S.	Holy Rood	300 yds	W.N.W.
1936			Stirling	300 yds	E.	Stirling	133 yds	N.E.

Station No. M.W.R. 5358RAINFALL at Stirling (Sauls House) 41County of Stirling Observer The Town Council (J. Fyfe, Esq.)River Basin 1-Forth - Right BankType of Gauge M.O.Annual Average 35.9 in. based on 13 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter	5"				894	212						
Height	1'0"					1						
Altitude	151'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	1.19	6.15	5.45	4.42	2.94	4.61	5.21	6.49	4.46	2.23		43.45
February	3.50	1.44	3.59	1.11	5.70	2.80	2.34	3.96	3.60	4.11		32.15
March	2.20	2.55	2.15	.36	2.70	1.99	3.43	3.08	.77	2.62		21.85
April	1.27	2.79	2.18	2.24	1.70	.61	6.82	2.67	2.70	2.42		25.40
May	2.98	2.87	4.14	2.24	4.57	1.52	3.97	2.06	2.62	1.22		28.19
June	0.78	1.11	2.79	3.11	3.52	2.77	3.97	4.76	1.06	1.44		25.31
July	2.81	1.89	2.42	2.81	3.64	3.50	4.48	3.66	2.43	4.76		32.44
August	2.96	4.08	5.78	3.04	1.83	3.09	0.00	6.53	3.92	5.32		36.55
September	1.66	5.43	2.94	4.19	4.26	5.91	3.91	5.68	1.28	9.35		44.61
October	4.40	2.84	6.50	3.69	5.30	.71	1.88	3.42	4.79	2.88		36.41
November	4.43	0.62	1.96	6.12	.24	6.04	4.48	2.86	3.17	2.91		31.83
December	2.78	4.67	1.61	3.90	3.31	3.56	1.74	5.65	5.88	1.50		34.60
TOTALS	30.96	36.44	41.51	37.23	39.71	37.11	42.23	50.82	36.68	40.76		373.45

1942. Gauge moved 38 ft 155° on 2/8/42. Tree 60' high 40' 186°. Tree 60' high 67' 243°. Stand for max + min therm. in open 5' 2" high 4' 182°. Stevenson Screen 5' high 76' 153°.

Impulsed 7.10.43 Gauge moved (15 ft?) about 1942 bringing it to within 36 ft. of tree 60 ft high. Wooden fence 10 ft x 14 ft erected around gauge & screen between Dec 1942 & Feb 1948. Frame of spruce wooden spar 4 1/2 ft x 3 in (opening 1 1/2 in). Nearest point 5 ft from gauge. Minor cuttings, no bottom. Replaced immediately. There are difficulties about logging trees & enlarging area which is necessary on account of water pressure.

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

BRITISH RAINFALL ORGANIZATION

Station No. 5358
RAINFALL at Stirling (Lauchie House) M.W.R.
 County of Stirling Observer The Town Council
 River Basin Forth Right Bank - 1 (W. Cruickshank)
 Type of Gauge M.O.

51

Annual Average 35.9 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. S.A.W.S.
38.50 " " 35 " " 1916-1950 1916-1950 P
 File No. P

Diameter ...	5"				894	212				5"	
Height ...	1'0"					1				1'0"	
Altitude ...	151'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.39	3.01	1.04	4.11	2.10	2.75	6.25	3.92	1.58	3.62	
February ...	2.92	.55	1.07	4.03	2.27	1.36	3.42	2.18	1.31	3.64	
March ...	2.02	3.08	1.82	3.72	1.76	2.48	3.29	1.26	1.95	2.05	
April ...	1.94	1.17	1.92	1.45	1.30	.61	1.34	.84	3.27	3.55	
May ...	1.46	2.48	2.03	4.71	3.06	1.73	3.16	2.67	1.19	2.99	
June ...	1.62	2.40	1.99	2.06	1.31	3.56	2.37	2.99	1.94	2.09	
July ...	4.14	2.14	4.60	1.75	.74	4.88	4.66	6.03	5.64	3.05	
August ...	5.91	5.30	2.46	4.09	1.16	5.76	4.49	4.67	.94	2.93	
September ...	3.73	2.06	5.10	4.86	2.36	5.29	1.91	4.76	.79	2.75	
October ...	0.59	4.07	1.91	8.54	2.80	4.65	3.38	4.05	3.08	3.65	
November ...	5.43	1.77	5.87	6.95	1.90	.57	1.07	1.47	4.30	4.85	
December ...	5.40	3.51	4.79	5.17	7.29	4.81	5.33	5.96	6.13	3.71	
TOTALS ...	39.55	31.54	34.60	51.144	28.05	38.48	40.67	40.80	32.12	38.88	
	D	D	D	D	D	D	D	D	D	D	

1954 - New site at Butterfield (26) 786925 with overlap for one year.

Jan 20/70 A.B. from late measurement. Not suitable for rainfall recording

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference NS(26) 193936

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 (Dub) - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	1910-1915 (un- altered)	c 1920 ✓ ✓	✓ ✓ but d 31-34	✓ ✓ but d 41	