

RAINFALL AT

Kippen Arrangemery

Lat. _____

Lon. _____

County of _____

Stirling

Rain Gauge, by _____

Observer _____

Col. J. S. Stirling

Form R. Bank - 1.

Mr. P. M. Clouston

Diameter											
Height							42				
Altitude							150				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							2.48	1.47	3.26	7.92	
February							2.37	4.00	5.40	3.53	
March							4.51	6.14	1.88	3.60	
April							2.84	1.80	4.10	4.16	
May79	1.38	2.79	5.44	
June							4.48	6.29	2.36	2.79	
July							4.11	3.54	1.11	4.45	
August							2.50	4.67	4.53	1.47	
September....							3.63	3.28	6.63	3.49	
October							3.68	3.48	4.93	4.32	
November....							2.37	4.20	6.36	7.40	
December							6.93	6.69	8.39	14.01	
TOTALS							40.69	46.09	51.74	52.63	

Corrections sent by Observer February 1902

RAINFALL AT *Kippen Arngomery*

Lat.

Lon.

County of *Stirling*

Rain Gauge, by

Observer

L. Stirling Esq

Forth. bank - 1.

M. P. McCowan Esq

Diameter ..			5								
Height			4.2								
Altitude ...					150						
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.67	2.63	1.12	8.77	4.47	2.23	6.93	3.68	4.81	5.55	
February ..	3.66	2.60	1.13	9.25	3.91	3.26	3.70	4.22	3.26	1.79	
March48	2.16	2.72	10.67	2.18	4.64	3.69	4.59	4.91	1.61	
April	3.20	1.34	2.00	1.19	6.29	2.90	1.76	3.14	1.41	4.48	
May	2.78	2.15	2.35	2.72	3.47	2.33	5.70	4.43	3.37	3.95	
June	4.89	3.69	1.13	2.49	2.50	1.15	1.65	5.87	2.24	2.24	
July	3.62	2.99	3.43	5.07	2.48	2.55	2.62	2.84	3.12	3.62	
August	3.52	3.02	4.31	6.33	5.04	6.32	4.73	5.73	3.30	3.43	
September ..	3.51	.38	3.69	3.10	3.76	3.00	1.87	2.57	8.52	2.03	
October	5.56	1.62	3.17	10.91	2.94	3.51	6.89	6.68	1.50	8.37	
November ..	7.42	2.71	4.21	3.02	1.60	6.32	5.27	3.31	3.89	2.67	
December ..	8.82	1.62	7.68	(5.00)	4.82	4.84	3.31	6.75	4.05	6.86	
TOTALS ..	53.13	26.91	36.94	(68.52)	43.46	43.05	48.12	53.81	44.38	46.60	(44.77)

- 1901 Gauge moved + value unreliable
 1902 Kippen Church 1 mile E
 Wall 5 ft high 15 ft SE
 1903 December gaugings not taken
 1904 Kippen Station 1 1/2 miles NE
 Greenhouses 12 ft high 15 ft N.W.
 1909. Corrected for wrong day.

RAINFALL at

Kippin, Argyllshire

County of Stirling

Observer Mr. P. McEwan

River Basin Forth-Right banktribs 1.

Rain Gauge, by

Diameter ...	5										
Height	4 2				4 6		3 6	4 6			
Altitude ...	150										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	6.35	3.43	4.34	4.07	4.72	3.25	7.14	1.89	3.77	4.28	
February ...	5.79	7.23	5.27	5.31	6.38	8.62	5.44	.98	6.73	1.99	
March	3.62	1.79	5.97	7.06	6.44	2.55	2.95	2.84	1.37	2.74	
April	5.49	3.28	1.84	4.40	3.31	4.11	3.31	1.36	.79	1.41	
May	2.62	3.08	1.71	3.58	1.39	1.91	4.44	4.01	2.70	1.25	
June	2.09	2.72	5.65	4.23	.63	1.85	2.19	3.34	.72	3.16	
July	5.87	3.29	2.51	.91	1.96	3.51	3.92	1.38	2.96	1.00	
August	8.94	3.66	5.28	2.14	4.65	3.88	4.48	5.27	3.11	2.56	
September ..	2.03	1.85	3.35	2.31	1.89	2.00	.72	2.56	6.81	3.19	
October ...	2.34	3.27	4.41	3.19	1.25	3.57	8.84	6.84	6.36	.82	
November ..	3.88	7.12	4.52	6.16	6.01	2.70	5.90	6.33	5.32	4.82	
December ...	5.25	8.13	11.56	3.43	9.30	7.04	5.71	2.63	4.67	6.72	
TOTALS ...	54.27	48.85	56.41	46.79	47.93	44.99	55.54	39.43	45.31	33.94	

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Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.			Kippin	2 mls.	NE.			

RAINFALL at Hippin, Armagory Gardens.County of StirlingObserver Mr. P. McCowanRiver Basin Forth - Right bank tribut.1930 Mr. Angus Leitch.

Rain Gauge, by _____

Diameter ...	5-										
Height	4.6	3.6	4.6								
Altitude ...	150										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	6.75	7.21	3.73	5.37	(5.33)	5.74	8.28	6.63	11.48	2.09	6.62
February ...	7.58	1.15	2.64	6.46	1.63	5.73	5.95	3.28	7.14	.80	.82
March	4.84	6.99	4.76?	1.98	.77	1.48	4.14	3.05	5.96	.49	8.44
April	2.05	1.46	1.52?	5.09	3.06	5.65	2.52	2.94	2.66	1.35	1.13
May	5.57	.56	4.99	1.54	5.83	6.77	3.35	2.24	1.79	3.47	1.80
June98	.12	1.84	1.44	2.60	2.25	3.98	3.72	5.18	2.67	2.55
July	4.25	4.34	3.15	4.55	5.52	2.12	2.78	3.77	3.19	3.51	4.00
August	7.12	6.37	5.76?	6.43	4.35	5.09	3.29	7.25	4.63	5.66	5.86
September...	3.46	1.98	3.28	7.72	5.89	3.86	4.15	6.29	4.62	1.10	5.05
October	2.93	6.00	2.69	6.31	3.83	3.98	6.80	8.29	8.67	6.62	5.96
November...	3.46	3.72	2.96?	3.78	3.31	.68	9.50	4.37	6.90	8.46	5.67
December...	4.06	7.72	8.70?	4.13	9.77	4.35	1.84	2.35	4.12	10.13	4.94
TOTALS...	53.05	47.62	46.02	54.80	(51.91)	47.70	56.58	54.18	66.34	46.35	47.34
	D	D	D	D	D	D	D	D	D	D	D

1922. Not printed, doubtful

1923. Jan. snow.

1924. Jan. snow, somewhat mixed, total is lower than these doubtful, but no of days appears good.

1925. Greenhouse 8 ft., 20 ft. N. Railway 4 ft., 20 ft. S.

1929. Cont. for G.D. Feb. law, obs. confirms.

Position of Station on reduced Ordnance Survey } No. of Map _____
Map, 2 miles to 1 inch Series

Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1911			Hippin	2 mi	N E			
1925			do.	do	do.	Hippin	1 m.	

RAINFALL at Kippen (Argomery)County of Stirling Observer A. Sifer.River Basin 1. Forth - Right BankMr. T. Brown William how may 1940

Type of Gauge.....

Annual Average 44.5 in. based on 37 years obs. un-weighted. Period of average 1881-1915 Ref. Summary
booklet xii/36.

Diameter	5.										
Height	4. 6.										
Altitude	150.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.67	7.81	5.96	7.34	1.51	6.10	5.85	8.36	5.26	2.65	
February	3.54	1.03	4.04	4.7	4.23	2.89	5.08	2.20	7.34	2.28	
March	1.43	2.25	2.95	3.79	1.65	2.97	2.84	3.58	3.47	3.75	
April	2.02	4.85	1.53	4.57	3.74	1.07	2.19	.78	2.90	3.61	
May	4.69	3.76	2.88	2.73	.25	1.22	2.56	4.19	1.20	.91	
June	5.25	1.58	2.02	2.32	5.97	1.58	2.81	5.95	2.15	.86	
July	4.74	2.68	5.01	2.78	.93	5.16	2.91	4.39	7.04	4.20	
August	3.87	2.33	2.12	4.00	3.73	2.66	4.35	2.26	1.96	1.38	
September	1.49	3.01	1.27	4.84	6.94	3.87	2.95	4.14	2.81	1.40?	
October	3.00	6.37	2.98	6.55	9.23	5.25	3.75	8.52	4.16	3.51?	
November	8.23	4.18	2.67	1.04	4.64	3.02	.92	9.04	8.64	4.54?	
December	4.06	7.69	.73	7.30	3.00	7.24	2.34	4.76	2.51	2.31?	
TOTALS	46.99	46.54	34.16	47.73	45.82	42.53	38.55	58.17	49.44	31.40?	
	D	D	D	D	D	D	D	D	D	46.10	

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
1937.			Kippen	1 1/2 in	E	Kippen	1 1/2 in	NE.

Station No. 5343RAINFALL at Kippen (Argannay)

41

County of StirlingObserver Mr. William LowRiver Basin 1-Fort Right Bank

Type of Gauge

Annual Average 4.5 in. based on 27 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter	5"				890	375					
Height	4' 6"		START WITH 1943			1					
Altitude	150'					41					
Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	Means
January	1.59	(5.94)	6.49	5.72	(3.55)	6.70	5.97	7.57	5.61	3.04	
February	3.97	1.40	4.44	1.45	8.04	3.75	(1.75)	5.40	4.73	5.46	
March	2.36	2.90	2.55	0.47	3.08	3.01	4.65	4.34	1.45	2.41	
April	1.84	2.11	3.66	3.01	2.94	1.11	7.39	3.46	3.74	3.43	
May	2.63	2.68	3.62	3.83	5.24	2.22	5.02	2.74	2.68	2.28	
June	70	1.69	4.52	3.73	4.24	3.80	3.69	5.07	1.41	2.21	
July	3.40	2.26	2.53	2.85	3.49	3.80	4.10	3.77	2.30	5.34	
August	3.75	4.49	7.85	3.42	2.16	4.48	.07	9.95	4.66	5.18	
September	1.34	5.56	3.56	4.78	6.54	(6.15)	5.15	6.33	1.96	9.26	
October	4.92	5.16	8.04	4.77	5.69	.94	2.76	7.03	6.85	-100	
November	3.39	.96	2.36	8.02	0.64	8.02	6.55	3.38	4.70	-100	
December	3.24	5.07	2.54	6.14	4.84	5.79	2.27	8.26	8.06	-100	
TOTALS	33.13	40.22	52.19	48.19	50.45	49.77	49.37	67.30	48.15	-100	
	np	np	np	np	np	np	np	np	np	np	

1941 np low. 1942 np low. Gun ad. for maw.
 1943 Other rep gauge does not like & there are no trees near it
 1945 Insufficient rain
 1946 Sept part cut. by 1936.
 1950 terminate

40004 00104 20004

* 41 + 42 not used because inadequate means used.

1940 Blum by

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