

RAINFALL AT *Kirriemuir Lintrathen* *Balmakelley*

Lat. _____

Lon. _____

County of *Forfar*

Rain Gauge, by _____

Observer *J. Watson, Esq., C.E.*

July, 1881 - 1. Monthly

Diameter	8											
Height	1. 0											
Altitude	700											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	1.60	1.10	2.55	5.50	4.05	2.80	3.10	3.35	4.90	1.80	3.075	29.15
February	4.10	4.00	2.80	5.95	3.75	4.75	2.45	2.35	50	2.00	3.265	28.55
March	2.45	3.85	4.00	3.75	4.20	2.40	5.90	1.25	2.85	1.20	3.185	29.40
April	2.60	.80	3.80	1.75	1.50	2.40	1.15	2.75	1.40	4.30	2.245	19.85
May .....	.85	1.80	2.15	1.75	2.05	5.00	3.40	.45	2.85	2.85	2.315	22.30
June	2.45	3.50	4.00	3.15	.55	1.40	.80	.40	3.35	.45	2.005	17.60
July	3.95	3.60	5.90	5.50	5.60	1.40	3.85	3.00	4.55	2.00	3.935	35.40
August	1.35	3.15	2.45	4.35	2.85	3.30	1.35	3.10	2.75	7.00	3.165	30.30
September....	2.70	5.25	3.05	3.20	2.35	5.00	3.95	2.30	.45	.75	2.920	26.60
October .....	.75	5.95	5.45	3.00	3.50	2.40	4.00	1.05	3.45	3.45	3.300	32.25
November....	3.85	5.40	4.40	3.55	2.70	3.80	2.50	2.75	6.75	1.05	3.675	32.90
December	2.45	2.45	4.85	1.85	3.30	2.00	2.45	2.20	3.27	2.30	2.712	24.67
TOTALS	29.10	40.85	45.40	43.30	36.60	36.65	34.90	24.95	37.07	29.15	35.797	32.87

RAINFALL AT *Kerrymuir Lintrathen Balmakelley*

Lat. _____

Lon. _____

County of *Forfar*

Rain Gauge, by _____

Observer *G. Baxter Esq. C.E.*

Tag, Isla - 1.

Diameter						8					
Height						1 - 0					
Altitude						700 ft					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							1.44	1.84	1.22	4.37	
February							1.01	1.59	1.51	3.99	
March							2.33	5.21	.52	1.91	
April							1.26	2.18	5.02	4.49	
May .....							.87	1.54	1.86	2.83	
June							3.24	4.15	1.71	1.50	
July							3.93	1.49	.89	1.86	
August							1.84	5.87	2.99	.78	
September....						⁴ 1.70	4.97	1.57	2.60	2.55	
October						2.00	2.00	2.02	6.18	3.17	
November....						4.10	.73	2.72	4.69	3.75	
December						4.30	7.24	4.26	4.09	4.22	
TOTALS							30.86	34.44	33.28	35.42	

RAINFALL AT

Kinnemuir Lintashen Balnakeilly

Lat.

Lon.

County of

Forfar

Rain Gauge, by

Observer

J. Watson Esq. C.E.

G. Baxter Esq.

Day, Date - 1. Monthly

Diameter	8											
Height	10											
Altitude	700											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.75	1.65	2.70	2.15	5.05	4.35	1.40	2.30	1.20	4.50	3.005	
February	1.75	.25	2.30	3.60	5.95	2.05	1.20	1.62	1.05	4.20	2.397	
March	1.85	2.20	.50	.85	2.25	2.40	1.85	4.90	.60	2.50	1.990	
April	1.10	1.90	.45	1.20	2.05	1.80	1.20	2.20	5.50	4.00	2.110	
May	2.00	1.75	3.00	1.20	3.35	.60	.85	1.50	1.40	2.60	1.825	
June	3.55	.56	3.45	1.95	2.80	2.40	3.10	3.90	1.30	1.30	2.431	
July	4.00	3.45	2.15	3.05	3.05	4.65	3.85	1.55	.55	1.40	2.770	
August	2.45	4.45	4.50	3.55	5.05	6.55	1.60	5.80	2.85	.70	3.750	
September ...	3.35	3.30	2.60	1.70	.40	1.60	4.10	1.65	2.45	3.80	2.495	
October	2.10	4.50	5.30	2.85	4.65	2.00	1.97	2.10	6.10	1.00	3.257	
November	5.75	4.40	3.35	2.05	2.90	4.00	.70	2.60	4.75	3.60	3.410	
December	1.35	4.20	1.35	3.05	3.20	4.00	7.00	3.60	3.80	3.20	3.485	
TOTALS	34.00	32.71	31.65	27.20	40.70	36.40	28.82	33.72	31.55	32.80	32.955	

1880-

RAINFALL AT *Kivimui Lintashen Balmakilly*

Lat. Lon. County of *Foifan*

Rain Gauge, by Observer *G. Baxter Esq C.E.*

M *Tay. L. - 1.*

Diameter ..	8										
Height	10										
Altitude ..	700										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	5.00	2.50	1.80	4.30	2.90	1.30	3.20	2.50	2.10	3.60	2.920
February ..	3.50	2.00	1.00	4.20	4.00	1.20	1.50	2.40	1.60	.50	2.190
March	1.30	1.40	1.10	5.50	2.40	4.50	1.30	1.40	4.40	5.10	2.940
April	2.20	3.30	2.30	2.00	3.20	2.10	1.20	3.00	.90	3.30	2.350
May	3.50	2.00	1.40	1.50	2.80	2.30	4.20	4.00	1.50	3.00	2.620
June	3.00	1.60	1.30	3.00	1.60	1.30	.80	4.90	1.90	1.70	2.100
July	3.20	2.00	2.20	5.30	2.00	1.50	1.10	2.10	2.20	2.70	2.430
August	3.10	4.20	3.30	5.50	4.60	3.80	4.10	3.90	2.00	1.30	3.580
September ..	2.70	2.50	1.70	2.00	2.70	1.30	1.00	1.00	4.60	1.10	2.060
October	3.60	2.60	2.10	6.50	1.80	1.50	4.50	4.30	5.00	5.40	3.730
November ..	4.50	.90	4.70	1.00	.90	6.60	3.20	2.10	1.70	.50	2.610
December ..	4.00	2.70	3.70	3.60	2.60	1.80	2.10	3.90	2.30	2.80	2.940
TOTALS ..	39.60	27.70	26.60	44.40	31.50	29.20	28.20	35.30	30.20	31.00	32.370

H. B.

RAINFALL at *Kiriemuir, Linttrathen Balnakeilly, M.*

County of *Forfar* Observer *G. Baxter Esq. C.E.*
 River Basin *Lay - Isla* 1
 Rain Gauge, by _____

Diameter ...	8										
Height	10										
Altitude ...	700										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	SUMS Means: 1916-1919
January ...	3.30	1.00	5.60	6.50	1.90	3.40	4.10	2.00	2.30	2.40	11.30
February ...	3.20	2.00	3.60	1.80	4.00	6.20	3.00	1.00	3.10	1.50	8.60
March	2.40	1.00	3.60	5.10	4.70	1.20	2.20	2.00	1.09	1.10	7.09
April	2.30	2.50	(0.00)	3.00	1.30	1.10	2.20	1.00	1.50	1.40	6.10
May	1.10	2.00	1.40	6.00	1.70	1.10	3.50	2.10	3.70	1.50	10.80
June	1.50	2.70	3.70	2.20	1.00	1.10	2.20	2.30	.70	1.50	6.70
July	3.80	2.20	3.30	1.10	1.80	3.90	4.70	1.20	5.70	.50	12.10
August	8.20	1.30	4.00	1.20	3.20	4.30	3.70	5.90	3.30	2.50	15.40
September ..	.90	1.10	3.00	3.30	.80	1.30	1.50	2.80	3.50	1.40	9.20
October ...	1.20	2.40	3.80	2.60	3.60	4.30	5.70	3.10	3.60	1.30	13.70
November ..	3.60	4.00	1.60	3.00	4.20	2.50	5.30	3.10	1.50	4.50	14.40
December ...	3.40	6.30	4.60	1.70	7.00	6.00	3.90	1.10	2.20	6.00	13.20
TOTALS ...	34.90	28.50	38.20	37.60	35.20	36.40	42.00	27.60	32.19	26.50	128.59

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1919	56° 41' 1"	3° 10' 28"	alyth	7m	S.W.	Linttrathen	1/2 mi	S.E.
				5>	S.W.			

RAINFALL at Kirriemuir, Balnakeilly M.County of ForfarObserver G. Baxter Esq. C.E.River Basin Lay. Isla 1Water Supply Dundee

Rain Gauge, by _____

Probably W.D. 6.1.21.

Diameter ...	8			8		5							
Height	1 0			1 0		1' 0"							
Altitude ...	700			700		700'							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN:		
January ...	3.30	4.10	4.90	3.00	2.90	3.00	6.80	3.40	7.40	1.90	4.00	44.60	30.45
February ...	3.00	.80	3.60	9.10	1.50	5.20	5.90	1.80	2.30	1.50	.92	35.52	
March	3.70	3.00	2.10	1.90	.60	.96	1.50	3.50	4.80	.60	1.40	24.06	
April	1.70	.80	2.10	3.10	1.90	3.40	2.50	1.40	1.40	.70	2.20	21.20	
May	3.90	2.40	1.90	1.60	4.10	4.80	3.20	2.20	1.00	2.80	2.30	30.20	
June	1.60	.60	1.50	.70	1.60	.48	3.40	3.30	2.70	1.60	2.40	19.88	
July	2.30	3.10	2.50	2.20	5.60	2.10	1.80	2.40	1.15	3.30	4.60	31.05	
August	3.50	4.50	2.10	5.10	3.60	3.50	3.00	5.90	6.00	3.90	6.00	47.10	
September...	2.60	1.30	2.00	3.70	3.90	2.40	4.10	3.50	3.30	.90	4.30	31.90	
October	3.90	2.60	1.80	3.60	4.30	3.60	5.10	5.50	5.20	4.10	4.10	43.80	
November...	3.20	3.10	1.70	2.10	3.00	1.20	6.90	3.00	4.60	4.10	3.70	36.60	
December...	4.10	2.40	2.70	3.40	5.50	1.80	.90	2.10	3.40	5.00	4.50	35.80	
TOTALS...	36.80	28.70	28.90	39.50	38.30	32.44	45.09	38.00	43.25	30.40	40.42	401.71	

New gauge replaced old float gauge in 1924.
 1930. f. 5562 Encl. 37A. Obs. says turf wall built, and protective
 fencing extended to 4 yds sq.

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
1920	56°41'1"	3°10'28"	Allyth	5 mi	S.W.	Lintathen	1/2 mi	S.E.

RAINFALL at Hiniemiua (Balmatitly)County of Angus (Forfar) Observer G. Baxter, C.E.River Basin 1-1/2 day - Isla A.A. Fulton, C.E.

Type of Gauge.....

Annual Average 34.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref SL + av. w. sheet

Diameter	5.										
Height	1.0										
Altitude	700										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SURCS Means
January	4.50	3.80	3.50	3.30	1.60	4.50	6.00	5.80	3.60	3.14	39.74
February	2.20	.30	4.00	.20	2.60	3.30	4.20	1.67	4.45	2.70	25.62
March	1.30	3.10	2.20	4.40	2.10	2.50	3.60	.88	2.80	3.40	26.28
April	2.80	2.90	1.70	4.60	3.70	.90	1.70	.30	1.40	2.03	22.03
May	4.90	2.90	1.90	2.50	.90	1.00	2.10	4.30	1.65	1.50	23.65
June	5.00	1.30	2.00	1.30	3.60	3.40	2.30	4.30	2.00	.30	25.50
July	3.75	3.60	3.60	4.00	1.40	5.50	4.60	5.05	5.25	(4.90)	41.65
August	3.10	1.40	1.40	4.90	2.10	1.90	3.64	1.60	2.30	.90	23.24
September	1.30	1.60	2.30	5.00	5.00	4.50	1.60	3.96	2.10	2.50	29.26
October	1.60	6.20	3.75	4.50	6.20	2.30	3.27	5.20	5.10	4.90	43.02
November	7.70	1.80	4.00	.80	3.80	2.10	.70	5.70	6.00	6.00	38.60
December	1.80	5.80	2.10	8.00	2.80	3.60	3.20	3.60	2.20	2.60	35.70
TOTALS	39.95	34.70	32.45	43.50	35.80	35.50	36.91	42.36	38.85	34.87	374.89
	M	M	M	M	M	M	M	M	M	M	

1940 July adjusted by observer.

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

Station No. 5577

RAINFALL at Kirriemuir (Balnakeilly)

41

County of Angus (Forfar)Observer A.A. Fulton Esq. C.E.River Basin 1 - Tay - IslaR.H. Campbell Esq. C.E. (1944)

Type of Gauge.....

Rittery 2147Annual Average 34.1 in. based on 35 years obs. up-weighted. Period of average 1881-1915 Ref S + A.W.S.

File No.

Diameter	5"				873	312						
Height	1'0"					1						
Altitude	700'	X				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	SUMS	Means
January	3.10	6.10	5.80	2.80	(2.80)	3.30	4.70	5.80	2.60	2.70	39.70	
February	4.40	1.95	2.50	1.00	3.50	1.80	(3.20)	3.70	2.80	3.10	27.95	
March	1.70	2.90	0.90	0.70	1.50	2.60	(4.50)	1.40	2.00	2.20	20.40	
April	1.60	2.50	2.10	2.70	1.70	0.30	4.40	1.30	2.15	2.00	20.75	
May	2.20	5.20	3.20	2.20	4.50	1.80	5.00	4.00	2.40	1.40	31.90	
June	1.10	1.00	2.80	2.80	4.20	3.60	3.20	4.35	1.50	1.30	25.85	
July	3.30	3.50	2.50	2.90	3.40	3.90	3.20	3.90	2.20	4.60	33.40	
August	3.70	3.80	5.00	1.90	3.00	4.50	0.13	8.70	3.30	4.10	38.13	
September	1.50	3.50	4.10	2.80	4.70	5.90	3.00	3.40	2.10	6.30	37.30	
October	3.90	2.90	5.00	5.10	5.50	0.40	2.30	4.10	3.90	1.70	34.80	
November	5.50	0.90	2.00	4.60	1.60	7.40	3.10	1.70	4.50	3.40	34.70	
December	2.30	4.40	1.80	3.50	6.20	4.20	1.60	5.70	3.40	1.90	35.00	
TOTALS	34.30	38.65	37.70	33.00	42.60	39.70	38.33	48.05	32.85	34.70	379.88	
	M	M	M	M	M	M	M	M	M	M		

1945 Jan. part est'd for snow.

20002

30004

1947 Feb. obs. est. for snow M.O.S. (2)

34.57.18

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. 5577

RAINFALL at *Kirriemuir (Balnakeilly)*

51

County of *Angus (Forfar)*Observer *G. R. Little Esq. C.E.*River Basin *Tay - Isla - 1*Type of Gauge *Bradford*Annual Average *34.1* in. based on *25* years obs. un-weighted. Period of average *1881-1915* Ref. *S. & P. M. S.*
36.72 " " " " *1916-1950* *1946-1950* *P*

File No.

Diameter ...	5"			873	312						
Height ...	1' 0"				1						
Altitude ...	700'			51		685					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.90	2.70	0.70	2.20	2.10	3.60	4.60	3.80	1.69	3.90	
February ...	3.60	1.05	1.05	3.60	1.50	1.10	3.90	2.20	0.55	3.90	
March ...	1.80	3.85	0.55	2.90	1.55	2.60	3.35	3.50	2.70	2.75	
April ...	2.00	1.50	2.10	1.20	1.35	0.65	1.17	0.90	4.00	3.15	
May ...	1.50	4.55	1.85	5.20	2.55	0.98	2.25	3.00	0.90	2.70	
June ...	2.80	2.50	2.40	2.00	2.30	3.80	1.25	3.30	2.60	2.50	
July ...	3.10	3.50	4.65	3.20	0.69	4.25	5.80	3.70	3.90	3.65	
August ...	4.90	2.40	2.50	3.20	0.65	6.40	4.50	3.70	1.20	6.25	
September ...	2.30	0.70	3.10	4.10	1.70	5.00	2.65	3.95	0.85	2.20	
October ...	0.95	3.40	1.80	6.20	2.30	2.40	2.10	2.70	3.30	6.70	
November ...	10.50	2.10	3.15	6.90	2.10	1.15	1.50	1.20	5.90	5.20	
December ...	3.40	2.30	4.40	4.30	6.30	5.50	4.75	5.30	7.20	2.75	
TOTALS ...	44.75	30.55	28.25	45.00	25.09	37.43	37.82	37.25	34.79	45.65	
	M	M					M	M	M	M	

Ins. Nov 1956. G. sound. Site is a little open to Lochan N but g. is in hollow protected by grass, trees etc on all sides.

Ins 20.5.59 G. sound. Exp. sat. but gives impression of o/c. G. in hollow formed by turf and growth, however

37/281554

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference *37/281553*

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 - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	—	M21.23.25	M	M ₁	