

RAINFALL AT *Drum Castle**10 W of Aberdeen**Aberdeenshire*Rain (By *George Hamme*)Gauge (Diameter *5* in.)Height above Ground, *2* ft. in.Above Mean Sea Level, *275* ft.*Monthly**Dec - 1.*

YEAR.....							1866	1867	1868	1869	MEANS.
January								(2.62)	3.80	6.39	
February								1.25	1.63	1.48	
March								3.04	2.48	2.36	
April								3.52	4.72	2.22	
May							# 2.56	2.62	1.78	2.08	
June.....							2.54	1.46	.54	3.27	
July							4.42	4.91	.71	1.05	
August							3.96	3.49	6.13	1.04	
September ...							3.67	2.64	5.17	4.81	
October.....							3.28	2.44	2.73	8.17	
November.....							2.22	.98	2.39	1.41	
December							3.03	2.53	6.69	2.75	
TOTALS								31.50	38.77	37.03	

*1867 Jan. 1st to Dec. 31st**After 11 days of rain*

RAINFALL AT *Drum oak Drum Castle*

Lat..... Lon..... County of..... *Albion*

Rain Gauge, by..... Observer *W. G. Gamble*

Dec - 1.

Diameter .....	.5											
Height	1.5		1.6									
Altitude	275											
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.02	1.95	4.90	2.88	1.55	4.12	1.21	4.66	1.23	1.44	2.576	
February	6.12	4.27	8.33	1.75	2.74	1.60	4.67	2.21	1.09	1.28	3.406	
March .....	.89	.60	2.32	2.73	2.29	3.44	3.10	2.59	2.28	2.44	2.268	
April .....	.90	.95	4.80	.90	1.03	1.72	2.95	3.84	1.29	5.97	2.385	
May	2.47	.96	4.00	3.82	1.64	1.98	.71	3.05	1.92	2.94	2.349	
June .....	.95	1.77	5.41	1.32	.78	4.06	1.46	3.95	3.16	4.51	2.737	
July	2.54	4.47	2.36	5.72	2.73	5.21	1.38	3.90	.44	4.64	3.339	
August	1.25	3.14	2.74	3.48	8.86	2.80	2.30	8.26	6.58	4.91	4.432	
September.....	3.26	3.56	8.25	5.80	2.48	5.28	3.10	2.26	3.52	2.24	3.975	
October.....	5.51	5.40	6.14	3.57	3.12	8.47	4.20	2.58	4.15	1.58	4.472	
November.....	3.29	2.60	9.83	4.69	4.72	5.02	4.65	6.51	5.77	3.34	5.042	
December.....	8.01	1.57	4.56	1.98	1.75	2.46	14.60	2.91	2.62	.90	4.136	
TOTALS	37.21	31.24	63.14	38.64	33.69	46.16	44.33	46.72	34.05	36.19	41.137	

1877 Wall 10ft high 60ft distant S. Hedge 6ft high
54ft distant N.

Drum oak 3/4 mile S.W.

RAINFALL AT Drum Oak Drum Castle

Lat. _____

Lon. _____

 County of Aberdeen

Rain Gauge, by _____

 Observer W. E. Gammie
No. 1.

Diameter	5										
Height	1.6										
Altitude	275 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.78	1.20	1.06	3.75	3.85	1.92	.60	1.03	3.29	3.72	
February	4.30	4.30	.60	8.33	3.49	2.70	.62	2.48	7.90	5.27	
March	2.01	2.04	3.57	4.40	4.80	3.42	1.59	4.76	5.73	2.92	
April	2.53	1.51	5.15	2.19	1.33	2.31	1.28	2.41	3.21	5.15	
May .....	.55	2.78	1.53	.90	.85	3.40	3.42	2.52	2.33	2.48	
June	2.65	2.88	4.51	1.45	.88	2.05	1.02	5.02	1.69	1.01	
July	4.31	5.01	5.30	3.38	3.28	2.14	.40	.42	5.74	3.58	
August .....	.52	4.02	3.12	2.43	1.90	1.70	1.60	2.94	6.95	2.98	
September	4.52	4.08	2.77	4.04	1.96	2.13	2.01	2.83	8.55	6.18	
October	3.31	5.80	4.55	2.82	4.34	3.16	3.20	3.28	7.86	5.43	
November	4.21	4.62	2.40	1.77	1.94	2.40	2.90	6.02	5.28	3.61	
December	3.10	1.04	5.44	2.05	1.86	2.70	2.63	2.04	3.18		
TOTALS	32.79	39.28	41.12	37.71	30.48	30.03	21.25	35.75	61.71		

 1880. Drum Oak

1-mile

S.W.

 1882. Hedge 4 ft high 35 ft E

 1887 Record unreliable Feby, Mar, June & Nov too large

1888 " " Total enormously too large

 1889 Gauge destroyed at end of Nov. New g 1890

RAINFALL at Drumcraik DrumfriesCounty of AberdeenObserver A. F. Irvine per Aberdeen JournalRiver Basin Dea 1

Rain Gauge, by _____

Diameter ...								8			
Height								4.0			
Altitude ...								320			
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...											
February ...											
March											
April											
May											
June											
July											
August											
September...											
October ...											
November..											
December...											
TOTALS ..								29.44	25.78	31.28	

1907-1909 Rec'd 6 Jan + Exp'd 18 Dec 1917

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

RAINFALL at Drum Castle,

5640

County of Aberdeen

Observer

Mrs. IrvineRiver Basin Dec 1Alex. F. Irvine Esq., 1918.Zero
Self registering } Rain Gauge, by

1917 new g. Snowden, by J. Ward.

Diameter ...	8						8	5			
Height	4 0						4 0	8			
Altitude ...	320						320				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	SUMS MEANS 1916-1919
January ...		1.18	4.86	4.21	1.30	3.21	71	1.74	1.71	3.68	7.84
February ...		.88	2.40	.86	3.02	6.27	2.13	.84	1.08	1.83	5.88
March		1.66	2.44	3.29	3.24	1.60	2.34	1.31	1.60	1.81	7.06
April		1.45	.40	2.48	.87	.69	2.89	1.10	.39	3.08	7.46
May		3.08	2.19	5.09	2.64	1.23	3.34	1.35	2.51	1.01	8.21
June		1.82	1.99	1.77	.55	1.14	4.01	1.54	1.26	1.09	7.90
July		2.26	2.32	1.73	3.68	4.97	3.83	1.79	5.30	.85	11.77
August		1.24	4.78	1.75	1.47	1.48	3.08	4.39	2.19	2.66	12.32
September...		.78	1.11	3.52	1.50	2.79	1.33	1.57	3.49	2.26	8.65
October ...		2.37	7.24	1.38	3.04	5.55	4.88	3.13	2.40	2.58	12.99
November..		5.09	2.62	1.12	2.58	2.66	3.87	3.18	2.50	5.10	14.65
December...		7.13	1.24	1.25	7.18	8.05	3.94	1.02	1.58	4.72	11.26
TOTALS ...	32.36	28.89	33.59	28.45	31.07	39.64	36.35	22.96	26.01	30.67	115.99

D

1910-1915 Rec'd 23 Jan & 18 Dec 1917

House 50 ft high 30 ft E

1917 new g. in better position.

1918 House 70 ft high 44 ft N
 Trees 80 . . 36 . W
 40 . . 35 . S
 20 . . 19 . E

Date.	Lat. W	Long. N	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1916	2° 19' 12"	57° 5' 42"	Drum	1540 yds	SE	Drumoch	1300 yds	SSW
1918	57° 5' 38"	2° 20' 4"		1470			1320	

RAINFALL at Drumoak, Drum CastleCounty of AberdeenObserver A. F. Irvine Esq
1922 Mrs IrvineRiver Basin Dee

1

Symons Rain Gauge, by

Diameter ...	5			5								
Height	8			8						10		
Altitude ...	320			320								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SUMS
January ...	1.73	1.09	5.16	1.98	1.64	1.49	4.35	2.51	4.27	1.98	2.63	28.83
February ...	.79	.43	2.79	8.12	1.73	4.18	3.95	1.72	.77	2.03	2.02	28.53
March	2.41	1.86	1.92	1.15	1.26	1.71	1.15	2.40	4.09	.25	1.30	19.50
April	2.00	1.70	3.10	2.06	1.24	3.50	2.54	1.94	2.09	1.78	3.13	25.08
May	3.78	1.19	.87	3.98	4.65	3.01	2.19	2.95	1.90	2.21	1.07	27.80?
June .....	.41	1.12	2.39	.82	1.75	1.10	2.87	3.19	2.81	2.05	1.87	20.38
July	3.46	1.45	4.03	2.01	5.33	3.01	2.09	1.68	2.41	4.51	1.53	31.54
August	2.37	1.49	2.43	4.68	3.82	1.45	1.52	3.20	4.65	2.70	8.33	36.14
September...	2.39	.76	3.73	2.94	4.04	3.02	4.70	5.74	2.81	1.42	6.36	37.91
October	4.17	1.41	1.41	3.68	3.43	2.60	4.98	4.83	3.85	2.81	2.95	35.32
November...	1.71	2.09	1.48	2.97	3.10	1.92	5.15	4.16	3.62	3.50	3.79	33.49
December...	3.73	1.03	2.04	3.62	3.75	2.31	.76	3.74	2.87	9.21	5.83	38.89
TOTALS...	28.95	15.65	31.35	38.01	35.24	29.30	36.25	38.06	35.34	34.45	40.81	363.41
	D	D	D	D	D	D	D	D	D	D	D	

1920. House 70 ft high 44 yds N

Trees 80.40.720 ft high 36.35.19 yds W.S.E

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	57° 5' 38"	2° 20' 41"	Drum	1470 yds	S.E.	Drumoak	1320 yds	S.S.W.

RAINFALL at Drumsk (Drum Castle)County of AberdeenObserver Mrs. IrvineRiver Basin 1-Dee

Type of Gauge

Annual Average 38.9 in. based on 7 years obs. un-weighted. Period of average 1891-1915 Ref 5

Diameter	5.											
Height	1.0											
Altitude	320.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SUMS	Means
January	2.93	2.39	2.32	1.40	1.61	5.16	8.37	2.93	3.96	1.52	32.54	
February	1.57	.32	3.78	.38	1.63	3.69	2.40	1.12	2.86	2.18	19.93	
March	1.30	2.90	2.39	1.93	2.04	1.73	3.41	.33	2.86	2.58	21.47	
April	2.07	3.64	1.74	6.83	4.57	.74	1.68	.66	.92	1.93	24.78	
May	4.00	2.84	1.56	3.12	2.05	1.20	1.96	2.89	1.46	1.55	22.63	
June	2.89	.88	1.02	.96	4.09	2.29	1.21	3.08	1.80	1.25	19.47	
July	3.20	2.40	3.16	2.07	2.10	5.32	4.05	5.53	5.97	7.97	41.77	
August	2.58	1.81	1.29	4.08	2.24	1.83	2.34	1.54	1.69	1.45	20.55	
September	1.25	2.85	1.18	2.58	3.94	2.14	1.12	3.80	2.37	2.16	23.41	
October	1.19	8.72	5.53	4.20	3.94	.94	3.88	3.70	5.18	4.38	41.68	
November	5.63	1.59	6.16	2.42	5.43	2.10	1.12	3.20	3.76	7.30	37.71	
December	1.60	1.95	2.63	6.55	3.65	2.39	4.94	5.20	2.25	2.62	33.78	
TOTALS	30.21	32.29	317.6	36.52	37.29	29.27	36.48	32.98	35.08	36.89	339.77	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

1938 Grass 26 ft high, nearest 40 ft. S.E.
House - 70 ft. N.

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
1931.			Drum	1 1/2				
1937			Drum	1 1/2	S.S.E.	Drumsk	1 1/2	S.S.W.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Drumcraik (Drum Castle) Station No. 5640

41

County of Aberdeen Observer Mrs. Irvine
River Basin 1-Dee H.A. Forbes Irvine Esq. (1945)
Type of Gauge 82Annual Average 30.9 in. based on 27 years obs. un-weighted. Period of average 1881 - 1915 Ref. SApproximate level 40

File No.

Diameter	5"				849	490					
Height	1' 0"					1					
Altitude	320'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	SUMS Means
January	3.13	4.32	3.49	1.72	4.91	1.53	4.71	4.70	1.42	2.69	32.62
February	3.73	2.20	.96	1.55	1.73	1.71	2.77	1.04	1.28	3.11	20.08
March	1.96	1.07	.57	1.29	.82	2.30	4.05	.91	2.61	2.95	18.53
April	2.66	1.66	1.70	2.34	1.10	.52	2.73	1.03	.95	1.74	16.43
May	2.48	3.87	5.22	3.13	5.02	2.46	3.87	3.32	2.09	1.81	33.27
June	1.40	1.33	2.34	2.41	2.64	2.85	2.17	4.83	2.02	1.80	23.79
July	2.94	2.19	1.36	2.86	2.66	5.03	1.66	3.01	2.93	4.74	29.38
August	4.47	2.80	4.75	1.22	5.36	2.85	.03	4.23	4.44	2.78	32.93
September	0.56	3.01	2.73	2.39	3.05	4.68	2.27	2.06	1.84	6.22	28.81
October	6.02	4.38	3.45	6.50	4.32	.39	2.66	3.26	3.33	1.74	35.05
November	5.72	.95	2.83	3.69	2.14	7.57	3.00	1.04	5.00	4.55	36.49
December	.88	2.13	1.48	3.55	6.50	4.15	2.94	4.55	1.94	2.91	31.03
TOTALS	35.95	29.91	30.88	31.65	40.25	36.04	32.86	33.98	29.85	37.04	338.41

Nearest object trees of normal height 150 ft distant E & S.

3684

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. 5640RAINFALL at Drumcrae (Drumcrae Castle)

51

County of AberdeenObserver H. G. Forbes Irvine Esq.River Basin See - 1Type of Gauge M.O.Annual Average 30.9 in. based on 27 years obs. un-weighted.
33.07 " " 25 " " 1916-1950Period of average 1881-1915 Ref. S
1916-1950 PFile No.

Diameter ...	5"				849	490					
Height ...	1' 0"					1			1' 8"		
Altitude ...	320'					51			m. m.s.		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.65	3.16	1.20	1.23	1.34	3.89	2.75	3.61	2.47	5.22	
February ...	4.26	1.36	1.53	3.54	3.14	2.10	2.53	3.73	0.28	3.33	
March ...	2.94	3.63	0.36	2.76	2.12	1.83	2.40	4.85	1.78	1.80	
April ...	2.96	1.76	3.29	1.12	.90	1.48	1.12	1.51	2.43	1.82	
May ...	1.62	2.78	2.14	4.27	3.35	.37	1.99	3.27	2.14	0.98	
June ...	1.62	2.99	2.78	2.25	1.83	1.84	3.52	2.00	2.72	1.71	
July ...	5.28	1.82	3.88	2.58	.79	4.79	6.87	5.51	1.54	4.26	
August ...	4.39	5.21	2.50	3.72	.53	3.64	4.49	5.71	0.70	6.23	
September ...	1.34	1.51	3.85	1.15	1.76	4.52	2.24	1.91	0.73	3.19	
October ...	1.13	3.35	1.99	6.19	4.90	2.72	1.36	1.99	3.71	9.78	
November ...	9.92	3.41	2.43	6.77	2.56	1.72	1.76	.64	6.40	6.28	
December ...	2.86	2.76	3.20	4.00	6.92	4.39	4.17	5.66	6.10	2.85	
TOTALS ...	41.97	33.74	29.15	38.58	29.14	33.29	35.20	40.39	31.00	47.45	
	D	D	D	D	D	D	D	D	n.p.	D	

Ins. 22.5.59 G. sound. Slightly o/e to E and possible in-splashing from wooden box near G. Have 40" E and reduce ht. from (it may not be possible to get it down to 42" G. has only been in present site for about 18 months. It was formerly on the down at foot of castle.
24.5.59. G. moved to site selected by us.

1959. n.p. gauge moved.

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference 38/79600

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
	✓	✓	✓	✓	
	216-19	220-26 28-30	✓	✓	