

RAINFALL Dunrobin S.D.  
Sutherlandshire N.B.  
Mr. James Mitchell Phys. Nat. Inv. 56

Diam. 3 in + ground 4 in + Sea Level 6.4  
Feet - 2.

YEAR -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January -	1.90	1.85	1.70	5.38	.75	4.30	2.04	2.60	4.81	1.60	2.693
February -	2.70	1.65	2.45	1.47	4.60	2.23	2.73	2.60	4.80	4.35	2.958
March -	3.00	3.52	2.20	1.00	3.85	2.65	1.00	1.00	2.10	2.00	2.182
April -	1.30	3.35	1.25	3.33	.70	.52	.62	2.80	1.22	1.90	1.399
May -	1.90	.85	1.80	1.25	2.00	.90	.87	1.73	1.40	.20	1.290 -
June -	3.50	.45	2.75	1.22	1.10	.30	1.87	1.70	1.58	.60	1.515
July -	1.90	3.55	1.45	3.0	1.45	1.84	1.50	2.03	.25	.70	1.497
August -	3.80	3.20	1.65	3.28	1.08	1.76	2.25	1.80	5.20	1.30	2.532
September -	1.30	4.50	.85	4.95	4.20	.81	2.40	2.50	2.85	4.20	2.856
October -	4.00	1.30	4.60	1.95	3.83	3.60	1.42	3.90	3.10	4.10	3.188 +
November -	2.30	5.05	1.13	1.60	2.80	1.00	5.35	1.10	1.70	4.60	2.663
December -	1.80	1.10	1.82	6.30	2.30	1.07	6.30	3.40	2.10	3.00	3.919
TOTALS -	29.40	27.45	23.65	32.03	28.16	21.06	28.35	27.16	31.11	28.55	27.692

1864 Sep: 16th 9 a.m. to 5 p.m. = 2.30

## RAINFALL AT Golspie Dunrobin Castle

Lat..... Lon..... County of Sutherland.....

..... Rain Gauge, by..... Observer Mr. J. Mitchell

Fleet - 2. Gauge No 1 read monthly

Diameter .....	3											
Height .....	3											
Altitude .....	6?											
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.41	1.63	2.80	2.02	4.00	4.05	1.10	3.65	2.43	1.50	2.539	
February .....	2.13	3.25	2.00	2.20	5.01	2.25	5.80	5.30	1.25	1.15	2.483	
March .....	1.58	1.30	1.20	1.31	3.30	1.75	5.10	3.10	3.45	2.56	2.264	
April .....	1.32	3.63	1.60	1.80	1.45	1.46	3.20	2.05	1.30	1.52	1.833	
May .....	1.90	-	1.42	1.43	2.32	1.60	1.00	1.10	2.44	2.50	2.22	1.613
June .....	1.85	-	1.00	5.42	1.73	1.40	2.20	1.95	3.60	1.95	2.75	2.265
July .....	1.50	3.50	2.50	3.61	1.10	2.40	1.80	3.85	1.28	5.10	2.564	
August .....	1.92	1.50	1.83	3.82	5.00	2.10	1.32	4.69	2.85	3.25	2.728	
September.....	1.95	2.77	3.50	3.30	2.60	2.10	2.45	1.80	4.70	1.80	2.597	
October.....	2.88	2.55	5.00	3.30	3.15	2.95	2.80	4.05	3.00	1.95	3.163	
November.....	3.12	2.50	5.80	4.96	3.26	4.80	4.10	4.80	5.80	3.25	4.239	
December.....	9.20	9.02	7.70	3.60	3.40	2.32	3.90	3.32	4.85	2.10	3.629	
TOTALS .....	26.76	24.75	35.78	34.17	30.76	27.38	34.62	41.65	34.36	29.14	31.931	

C C C

1874 Gauge about 20 yards from high water mark

1875 Gauge slightly sheltered from the N.

1876 Nothing nearer than 40 yds N.E. height 20ft

1878 Bushes &amp; trees to northward 40 yds distant 5-6-20ft high

## RAINFALL AT Golspie Dunrobin Castle

70

Lat.

Long.

County of Sutherland.

Rain Gauge, by

Observer M.D. Melville

Feet - 2. Gauge No 2. read daily

Diameter . . .											
Height . . .					5						
Altitude . . .					3.0					1	
Year . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January . . .						3.72	.98	3.45	2.20	1.51	2.60
February . . .						1.50	4.23	4.84	1.39	1.15	2.53
March . . .						1.06	4.40	3.10	3.34	2.22	2.31
April . . .						1.53	2.55	2.03	3.5	1.92	1.86
May . . .						1.38	1.03	2.44	2.75	2.63	1.65
June . . .						2.28	2.13	3.26	1.97	2.95	2.31
July . . .						2.66	1.90	3.79	1.27	5.13	2.62
August . . .						2.26	1.67	4.69	3.06	3.47	2.78
September . . .						2.02	2.62	1.09	4.53	1.56	2.65
October . . .						3.10	3.03	4.09	3.05	2.15	3.22
November . . .						4.07	3.80	5.00	5.30	3.00	4.31
December . . .						1.95	3.90	2.81	4.07	1.96	3.70
TOTALS . . .						27.53	32.24	40.59	33.28	29.65	32.54*

1875 Gauge slightly sheltered on the N.

1876 nothing nearer than 40 yrs NE. Height 20ft

\* Average computed from monthly q

RAINFALL AT Golspie Dunrobin Castle

Lat.

Lon.

County of Sutherland

Rain Gauge, by

Observer W. D. Melville

Fleet - 2.

No 2 Daily

Diameter ....	5										
Height .....	1.0										
Altitude ....	7L	14T									
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	2.07	1.29	3.05	2.07	4.73	2.17	3.16	2.72	1.83	1.53	2.462
February ....	1.34	3.31	2.51	1.90	.96	2.05	1.41	1.35	1.86	4.20	2.089
March ....	1.61	2.26	4.01	2.12	1.80	2.27	1.34	1.42	3.40	1.68	2.251
April ....	1.90	1.47	2.85	1.11	.44	1.25	1.11	2.07	1.96	3.11	1.728
May ....	1.20	2.64	1.57	2.14	2.74	3.47	2.87	.93	2.62	.83	2.101
June ....	2.77	3.30	3.61	1.66	.80	1.94	1.91	.87	2.40	.95	2.021
July ....	3.50	4.10	4.25	4.62	2.04	1.82	2.35	1.80	2.65	1.34	2.847
August ....	1.08	1.64	2.15	4.24	2.31	1.14	1.81	2.50	2.09	4.86	2.402
September ....	2.48	3.90	3.00	2.86	.93	4.57	2.01	2.08	1.66	1.87	2.590
October ....	3.87	3.22	1.50	4.43	4.16	3.37	1.90	2.67	5.34	3.12	3.308
November ....	3.06	2.80	3.05	2.70	3.63	1.37	2.90	1.67	4.41	2.10	2.830
December ....	4.25	2.23	5.74	4.91	2.03	2.84	4.20	4.20	1.20	2.10	3.370
TOTALS ....	28.63	32.36	39.11	34.76	26.57	28.20	26.97	24.28	31.42	27.69	29.999

1880

Golspie

3/4 mile

W.

Trees 20ft high 120ft N.

## RAINFALL AT Golspie Dunrobin Castle

Lat.

Long.

County of Sutherland

Rain Gauge, by

Observer W<sup>E</sup> D. Melville

Sheet - 2. Monthly No 1

Diameter .....	3										
Height .....	0.3										
Altitude .....	6L 13 $\frac{1}{2}$										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....	1.70	1.20	3.10	2.00	4.90	2.50	3.26	2.40	2.00	1.60	2.465
February .....	1.25	3.40	2.55	2.30	1.00	2.15	1.56	1.60	2.00	4.50	2.231
March .....	1.45	2.30	4.70	2.25	1.90	2.55	1.40	1.30	3.70	1.50	2.305
April .....	1.75	1.45	2.90	1.10	.50	1.20	1.00	2.00	1.85	3.00	1.675
May .....	.92	2.50	1.50	2.20	2.70	3.20	2.75	.95	2.35	1.28	2.035
June .....	2.40	3.00	3.50	1.50	.90	2.00	1.80	.80	2.25	.90	1.910
July .....	3.25	4.00	4.10	4.60	2.05	1.90	2.10	1.80	2.40	1.40	2.760
August .....	9.5	1.80	2.20	3.80	2.65	1.40	1.90	2.30	2.00	4.75	2.375
September .....	2.85	3.95	3.55	2.75	1.10	4.40	1.90	2.00	1.50	1.75	2.585
October .....	3.80	3.30	1.45	4.70	4.50	3.00	2.00	2.35	5.10	3.00	3.270
November .....	2.90	3.00	3.70	2.80	3.40	1.40	3.00	1.80	4.50	2.30	2.880
December .....	4.30	2.50	6.00	5.10	2.30	3.00	4.80	5.00	1.10	2.20	3.630
TOTALS .....	26.57	32.40	39.35	35.10	27.90	28.70	27.46	24.30	30.75	28.18	30.071

Golspie Church 3/4 mile W.

Trees 20ft high 120ft N.

RAINFALL AT Golspie Dunrobin Castle

Lat.

Lon.

County of

Sutherland

Rain Gauge, by

Observer

Mr D. Melville

Fleet - 2.

Diameter .....	5										
Height .....	10										
Altitude .....	14										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	3.32	2.11	3.23	2.57	2.98	3.28	2.97	1.36	1.90	4.24	2.796
February .....	1.45	2.88	2.95	2.41	5.23	1.09	1.86	1.22	4.81	1.55	2.545
March .....	4.78	4.02	1.03	1.27	1.97	2.92	2.82	3.68	3.23	2.91	2.863
April .....	2.27	.54	2.17	1.45	.46	1.62	2.00	.68	3.04	4.04	1.827
May .....	1.42	2.22	3.35	1.28	3.55	1.10	1.69	2.55	3.36	2.53	2.305
June .....	3.09	1.68	1.59	1.34	1.55	2.75	4.16	1.54	1.60	1.50	2.080
July .....	2.64	3.97	2.81	3.01	5.02	3.94	3.31	1.03	1.07	3.18	2.998
August .....	3.46	3.85	2.73	2.67	3.76	3.30	1.72	2.57	2.57	1.15	2.778
September .....	2.72	1.92	3.03	4.55	.19	1.38	4.67	1.71	3.84	4.81	2.882
October .....	5.71	.77	3.78	4.49	2.27	5.91	3.07	3.14	3.23	2.05	3.442
November .....	3.47	2.67	1.71	5.15	1.22	2.02	1.68	2.01	3.82	2.52	2.627
December .....	.71	3.32	1.48	3.11	2.91	3.01	3.88	2.78	6.24	3.68	3.112
TOTALS .....	35.04	29.95	29.86	33.30	31.11	32.32	33.83	24.27	38.71	34.16	32.255

1890      Golspie Church 3/4 mile N  
 Trees 28ft high 200 yards N

1880

RAINFALL AT Golspie Dunrobin CastleLat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of Sutherland

Fleet - 2. Monthly Rain Gauge, by Mr D. Melville

Diameter .....	3										
Height .....	0.3										
Altitude .....	13 ft										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	3.35	2.04	3.60	2.85	2.85	3.11	2.80	1.25	2.00	4.60	2.845
February .....	1.40	3.00	2.80	2.70	5.00	1.20	1.85	1.30	4.80	1.60	2.565
March .....	4.85	3.90	.95	.80	1.75	2.95	2.65	3.45	3.17	3.05	2.752
April .....	2.20	.45	1.95	1.70	.50	1.45	1.85	.70	3.10	4.20	1.810
May .....	1.30	2.15	3.00	.95	3.20	1.10	1.50	2.30	3.50	2.40	2.140
June .....	3.20	1.60	1.40	1.10	1.50	2.42	3.75	1.45	1.45	1.50	1.937
July .....	2.35	3.85	2.40	2.65	4.50	3.25	3.10	1.00	.80	3.20	2.720
August .....	3.30	3.60	3.00	2.20	3.20	3.20	1.10	2.30	2.40	1.00	2.530
September .....	2.80	1.80	2.50	3.85	.10	1.25	4.40	1.50	4.00	4.50	2.670
October .....	5.50	.70	3.85	4.00	2.20	5.69	3.00	3.10	3.50	2.10	3.364
November .....	3.60	2.90	1.65	5.65	1.10	1.85	1.60	2.00	3.85	2.50	2.670
December .....	.65	3.45	1.35	3.00	3.10	2.75	3.85	2.55	6.50	3.70	3.090
TOTALS .....	34.50	29.44	28.45	31.45	29.00	30.22	31.45	22.90	39.07	34.45	31.093

1890 Golspie Church 3/4 mile W  
Trees 28 ft high 120 ft N

1890

## RAINFALL AT Golspie Durness Castle

Lat. .... Lon. .... County of ...

Howard Rain Gauge, by ... Observer Mr D Melville

Fleet, Borratc - 2.

Diameter ..	5										
Height ....	10										
Altitude ..	147										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M. ANNU.
January ..	4.42	2.99	2.18	3.94	1.18	3.38	2.87	4.12	3.37	3.36	3.181
February ..	1.19	2.50	1.10	3.09	3.78	3.73	5.81	3.16	5.05	1.54	3.094
March ..	2.51	2.24	2.41	2.10	1.53	4.41	2.41	1.99	4.34	3.11	2.705
April ..	2.95	2.04	1.81	2.69	5.25	1.73	2.18	2.20	2.31	3.58	2.674
May ..	1.85	2.17	2.91	1.83	1.50	1.14	4.50	2.18	2.33	2.20	2.261
June ..	2.40	2.26	2.15	1.36	1.28	.86	.53	4.89	2.25	1.93	1.991
July ..	5.29	2.93	3.54	5.23	1.14	1.75	3.34	1.57	1.95	1.90	2.864
August ..	3.15	2.89	1.31	3.94	3.03	3.15	3.37	3.70	1.56	1.81	2.791
September ..	2.34	1.58	1.85	2.31	2.40	2.11	2.08	1.04	3.69	2.04	2.144
October ..	2.76	3.52	1.64	4.63	1.82	3.86	2.44	2.01	.86	3.71	2.725
November ..	4.34	3.05	1.10	4.78	2.20	4.01	8.66	2.50	3.57	3.54	3.775
December ..	5.19	3.69	3.64	1.42	2.45	1.67	3.22	2.81	1.82	2.73	2.864
TOTALS ..	38.39	31.86	25.64	37.31	27.56	31.80	41.41	32.17	33.10	31.45	33.069

m m m m m D D

1900 Golspie Church 3/4 miles W

Tree 35 ft high 120 ft N

Shrubs 7 - - 21 - SE

1903 Golspie Station 1 1/4 miles W

## RAINFALL AT Golspie Dunrobin Castle

Lat. .... Lon. .... County of Sutherland

Copper float & glass Rain Gauge, by Observer M.D. Melville  
M. Fleet, etc - 2.

Diameter ..	3										
Height ..	0.3	0.5								0.9	
Altitude ..	13 ft									14 ft	
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.50	3.20	2.25	4.00	1.20	3.20	3.00	3.20	3.00	3.10	3.065
February ..	1.25	3.00	1.80	3.10	4.00	3.50	6.00	3.10	4.70	1.54	3.190
March ..	2.65	2.20	2.40	2.20	1.40	4.10	2.30	1.70	4.00	3.11	2.606
April ..	3.10	2.30	2.00	2.65	5.50	1.60	2.00	1.85	2.10	3.30	2.640
May ..	1.65	2.50	2.85	1.60	1.80	1.10	3.60	2.10	2.00	1.85	2.105
June ..	2.22	2.50	2.00	1.15	1.60	.70	.50	4.60	1.80	2.00	1.907
July ..	5.37	2.90	3.70	5.50	.80	1.50	3.15	1.25	1.60	1.50	2.727
August ..	3.10	2.18	1.20	4.00	2.50	3.50	3.25	3.70	1.30	1.40	2.613
September ..	2.50	1.50	1.80	2.40	2.15	2.20	1.80	.90	3.55	1.40	2.020
October ..	3.00	3.75	1.50	5.00	1.70	3.66	2.30	1.80	.65	3.80	2.716
November ..	4.40	3.20	.90	4.70	2.50	4.15	8.20	2.20	3.15	3.20	3.660
December ..	5.30	3.90	4.00	1.40	2.65	1.60	2.50	2.65	1.55	2.20	2.775
TOTALS ..	39.04	33.13	26.40	37.70	27.80	30.81	38.60	29.05	29.40	28.40	32.033

m m n p m n p m

Hull

1900 Golspie Church 3/4 miles W

Trees 35 ft high 120 ft N

Shrubs 7. - 21. S.E.

1903 Golspie Station 1 1/4 mil. W

## RAINFALL at Dunrobin Castle

County of Sutherland

Observer Mr. D. Melville

River Basin Fleet, Brora &amp;c. 2

Snowdon Rain Gauge, by

Diameter ...	5										
Height .....	1	0	1	6							
Altitude ...	14	not									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.33	2.14	1.73	.48	3.35	3.12	5.04	3.49	3.24	1.95	
February ...	1.36	2.87	1.80	1.52	2.10	3.41	3.14	.98	3.00	1.92	
March .....	1.01	2.01	3.19	2.35	4.20	2.89	2.53	2.26	1.32	2.77	
April .....	3.23	2.50	2.24	2.00	1.05	3.09	1.95	2.73	1.04	2.70	
May .....	2.98	2.29	1.99	2.07	2.18	1.08	3.67	1.61	1.75	.50	
June .....	.75	1.04	2.74	3.20	.87	.46	2.99	2.15	1.46	1.78	
July .....	3.56	2.22	2.25	1.32	3.53	4.43	1.94	.92	6.93	1.41	
August .....	4.70	.78	6.38	1.19	2.05	1.02	3.03	4.09	3.79	3.59	
September ..	1.18	1.56	1.03	2.88	1.80	2.15	1.51	2.80	3.45	2.85	
October ...	1.39	1.86	2.28	1.04	1.44	1.50	5.07	6.84	1.68	3.00	
November ..	6.51	4.37	4.35	4.00	4.25	4.32	2.87	6.04	3.17	4.89	
December ...	3.46	2.71	3.92	4.27	5.00	5.35	2.77	2.19	4.13	3.85	
TOTALS ...	33.46	26.35	33.90	26.82	31.82	32.82	35.91	36.10	34.96	31.24	32.88

D D D D D D

1913 Shrub & trees } 8 ft high 8 yards SE  
36 - 40 - N

Inspected 20ft. 9.14 Gauge too near ledge. Suggested moving some 20ft.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	57.67	359. W	Golspie	1/4 mls.	W.	Golspie	3/4 mile	W.

RAINFALL at Dunrobin CastleCounty of Sutherland Observer Mr. D. MelvilleRiver Basin Fleet, Brora &c. 2.

Rain Gauge, by \_\_\_\_\_

M

Diameter ...	3	5									
Height .....	0 9	1 6	1 0								
Altitude ...	147										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.30	1.88	1.90	.50	3.45	3.05	5.20	3.80	3.00	2.00	
February ...	1.24	2.92	2.03	1.52	2.20	3.50	3.13	.70	2.80	2.00	
March .....	1.10	2.27	3.40	2.00	4.14	2.62	2.60	2.27	1.25	2.77	
April .....	3.60	2.60	2.45	2.10	1.09	3.00	2.00	2.72	1.18	2.75	
May .....	3.11	2.54	2.35	2.12	2.25	1.03	3.60	1.61	1.80	.62	
June .....	.75	1.18	2.72	3.25	.90	.58	3.00	2.20	1.34	1.88	
July .....	3.83	2.42	2.50	1.85	3.60	4.45	1.95	1.00	6.75	1.38	
August .....	4.90	.90	6.70	1.23	2.20	1.10	3.14	3.90	3.78	3.49	
September ..	1.28	1.76	1.17	3.00	1.95	2.30	1.66	2.85	3.54	3.00	
October ...	1.49	2.00	2.50	1.10	1.53	1.50	4.23	7.00	1.60	3.12	
November ...	6.57	4.60	4.55	4.20	4.40	4.54	2.68	5.90	3.25	4.92	
December ...	3.60	2.96	4.10	4.50	5.08	5.40	2.95	2.20	4.20	3.90	
TOTALS ...	34.77	28.03	36.37	27.17	32.79	33.07	35.94	36.15	34.49	31.83	

1913 Shrub 8 ft high 8 yards SE

Trees 36. . 40. N

L. Grand app g. faults owing to woodwork being broken around fence  
protecting wall from falling

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	57.57	3.59	Golspie	1/4 mile	W.	Golspie	3/4 mile	W.

## RAINFALL at Dunrobin Castle

County of Sutherland

Observer The Duke of Sutherland

Mr. F. Game

River Basin Fleet, Brore &amp; C. 2.

Snowdon Rain Gauge, by

Diameter ...	5"			5"						
Height .....	1' 6"			1' 0"						
Altitude ...	144			144						
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	MEANS.
January ...	2.81	4.28	4.13	3.56	1.93					
February ...	2.25	1.82	2.04	1.69	2.29					
March .....	3.21	2.36	1.95	1.66	1.51					
April .....	2.31	1.03	2.81	2.82						
May .....	2.97	2.69	2.72	3.31						
June .....	1.65	1.07	1.34	1.97						
July .....	1.49	2.39	2.27	3.44						
August .....	1.82	2.03	1.51	4.61						
September...	3.01	1.94	2.38	4.01						
October.....	1.90	2.50	1.09	4.46						
November...	2.34	2.02	2.05	2.48						
December...	2.42	5.50	1.71	3.29						
TOTALS...	26.18	28.63	26.00	35.30	imp.					
	3	2	2	d						

1920. New Gauge 1. 14. 20. 20 yds W.

Bushes 7 ft high 24 yds W.

1924. cannot obtain any further information

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
							1911	1911
1920	57° 57'	3° 59'	Polspie	13/4 mi	W	Polspie	3/4 mi	W

RAINFALL at Dunrobin Castle Gardens  
 County of Sutherland Observer Duke of Sutherland  
 River Basin 2 - Fleet Brae re.  
 Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average..... Ref.....

Diameter	5										
Height	10										
Altitude	12'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January		4.54									
February	3.61	2.2									
March	1.74	2.39									
April	1.85	3.56									
May	2.55										
June	3.87										
July	3.68										
August	1.85										
September											
October											
November	2.07	<del>2.07</del> Illuminated (see to P.D. stat)									
December	3.17										
TOTALS	unp.	unp.	N.R.								

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