

Arbroath Castle Bophire

Mrs. Matheson

W. Lamb (Gardener)

Loc. 5m

+ Ground 1ft

+ Sea Level 450ft

Cromarty - 14.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			2.65	7.07	.90	4.45	3.39	5.13	7.25	2.83	
February - -			1.61	3.42	5.06	1.97	5.22	3.01	4.79	5.61	
March - - -			3.41	1.82	4.12	2.93	2.86	2.44	3.35	2.46	
April - - -			1.55	4.09	1.25	1.13	1.56	4.45	2.70	2.13	
May - - - -			3.16	1.83	1.97	2.08	2.11	3.30	1.79	2.12	
June - - - -			4.11	1.83	1.98	.43	1.07	2.58	2.09	1.49	
July - - - -			2.46	.55	1.67	1.61	1.93	3.17	.25	1.41	
August - - -			2.68	5.94	1.71	1.76	3.55	2.51	7.64	1.28	
September -			1.26	6.65	2.20	1.03	4.17	2.78	5.40	5.24	
October - -			5.43	2.53	7.76	7.14	2.29	5.08	3.68	5.36	
November -			1.90	2.68	3.20	2.90	5.22	1.51	2.60	4.94	
December -			3.88	5.95	3.32	2.25	6.72	3.31	3.43	3.94	
TOTALS -			34.30	44.36	35.34	29.68	40.09	39.27	44.99	38.81	

1863 Dec 8th 1.19 This year cold & wet till July which was dry the ther was as low as 38° on 6th with a frost on the ground while it was 74° on the 10th.

1868 We have had a very fine season the spring was dry for getting in with labor May June & July very dry, but warm weather commenced about the 19th of June and continued till Sept. Augt was very wet. The river Aloup was larger on the 11th & 14th than it had been for the last twenty y^r. we have had fine autumn & winter weather till now Jan'y 1869

1869 Dried 5 mo changeable from July & Augt warm and dry Potatoes killed on 1st & snow on the Wyres on the 14th of June Beautiful breeze on 26th Augt several Runners killed on the 29th. Only once in the year 13 birds

RAINFALL AT *Alness Ardross Castle*

70

Lat..... Lon..... County of *East Ross*

Rain Gauge, by..... Observer *Mrs Matheson*

County - 4.

Diameter .....	.5										
Height	1										
Altitude	450.				450 ^W						
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.87	2.51	3.37	2.86	3.65	4.82	2.13	4.26	2.96	1.32	3.075
February.....	2.06	3.00	3.26	.91	.41	1.26	5.84	4.98	1.23	1.26	2.421
March .....	.70	1.71	2.04	1.75	3.02	2.09	6.48	3.36	3.00	4.07	2.822
April	2.34	4.09	3.34	3.34	3.23	1.29	3.19	2.65	.38	2.04	2.589
May	1.96	.42	3.09	5.30	3.34	1.78	1.39	2.18	2.75	3.19	2.560
June.....	.84	2.00	6.35	2.69	1.50	2.82	2.71	4.76	2.62	3.98	3.027
July	1.99	4.72	3.15	4.68	2.29	4.32	1.31	2.92	1.05	4.30	3.073
August	2.12	1.95	2.39	4.09	6.41	3.05	1.73	6.38	4.89	4.04	3.705
September.....	3.37	4.45	5.75	6.60	4.00	3.29	3.97	1.30	4.67	2.24	3.964
October.....	3.61	3.78	4.83	5.71	5.24	3.45	3.27	5.89	5.41	2.49	4.368
November.....	4.12	2.00	6.03	3.13	3.76	3.59	2.46	4.71	6.89	3.52	4.101
December.....	4.82	2.37	2.61	3.53	2.04	3.48	5.57	3.18	3.87	2.10	3.357
TOTALS	50.80	33.80	46.21	44.79	38.89	35.24	40.05	46.57	39.72	34.55	39.062

1870 Not ^W but correct a fine season, warmest day July 23rd 80°
coldest Dec. 28th 11° F on 2nd Aug., 25th Oct first Aurora ever seen
here, greatest snow = 6 in on 8th of Dec.

1871 Shattered only on the N the h. has a southern aspect repd
by rising ground on the N.

1870 - Mr. Buchanan makes Jan = 2.83 Feb 3.61 Mar 2.46 - other months identical.

I am sure his are wrong.

1879 a wire fence 5 ft high & 9 ft distant

RAINFALL AT *Alness Ardross Castle*

Lat. _____

Lon. _____

County of *East Ross*

Rain Gauge, by _____

Observer *W. R. Massie*

County - 4.

Diameter	5										
Height	1.0										
Altitude	450 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	2.21	1.24	3.18	2.83	4.97	3.13	5.39	2.89	2.78	1.38	3.200
February	3.27	4.28	3.37	2.68	2.77	3.42	1.34	2.78	1.60	4.34	2.985
March .....	.79	2.37	6.34	2.55	2.55	2.84	2.07	1.72	3.44	1.42	2.609
April	2.35	1.08	4.51	1.49	1.12	1.48	1.22	2.08	2.42	3.47	2.122
May .....	.90	3.71	2.49	1.42	3.77	4.97	4.29	.70	2.32	1.31	2.588
June	4.63	3.22	3.38	2.01	1.47	1.18	1.21	.64	3.14	1.24	2.212
July	5.86	5.48	4.23	3.65	3.19	1.36	1.48	2.37	5.56	1.50	3.468
August .....	.54	3.22	2.23	3.64	2.25	1.32	.63	3.01	1.94	6.01	2.479
September	1.74	2.54	3.88	6.12	1.00	3.57	3.03	2.54	1.52	1.50	2.744
October	2.98	3.90	1.94	3.65	5.52	3.61	3.24	2.77	4.47	3.95	3.603
November	4.48	3.62	4.30	3.92	3.43	2.02	4.00	2.42	5.91	2.54	3.664
December	3.68	2.54	7.02	4.67	4.61	3.85	4.10	3.05	.58	2.27	3.687
TOTALS	33.43	37.20	46.87	38.63	38.65	32.75	32.00	26.97	35.68	30.93	35.811

1880. *Alness*

5½ miles

S.

esp. 5ft high 10ft S.

RAINFALL AT *Alness Andross Castle*

Lat. _____

Lon. _____

County of *East Ross*

Rain Gauge, by _____

Observer *Mr R Massie*

Cromarty - Lt.

Diameter	5										
Height	1 0										
Altitude	450 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	7.37	1.79	5.61	2.25	4.14	4.79	2.93	2.56	2.93	6.44	4.081
February	1.50	3.48	3.69	4.41	7.56	.58	1.21	2.24	4.26	1.63	3.056
March	3.94	3.32	3.09	1.90	3.95	5.80	2.94	3.56	2.80	3.94	3.524
April	2.51	1.00	2.34	1.83	.95	1.68	1.40	.94	3.12	5.45	2.122
May	1.00	2.88	3.09	1.00	5.56	.81	.60	2.59	1.72	2.20	2.115
June	2.70	1.32	2.69	1.24	1.48	5.09	4.14	2.96	3.48	1.56	2.566
July	3.01	4.53	2.77	1.87	3.72	3.59	3.87	2.08	1.74	2.74	2.992
August	3.55	3.72	1.36	3.15	3.66	2.59	1.99	1.46	3.04	1.17	2.519
September....	2.20	2.76	4.51	5.42	.68	1.61	4.81	2.31	3.90	5.59	3.379
October	5.96	1.60	7.44	4.57	2.89	4.76	7.20	3.12	4.43	3.30	4.527
November....	3.95	3.24	2.75	5.02	.91	3.56	1.00	4.23	5.78	3.61	3.405
December ....	.74	3.24	2.03	3.77	3.85	4.46	3.37	2.93	8.02	5.32	3.773
TOTALS	38.43	32.88	41.37	36.43	39.35	39.32	35.46	30.98	44.22	42.95	38.129

1890 Alness Church 5 1/2 miles S

Espehri 5 ft high 10 ft S

1898 Rosshan Ch 7 miles E

1870

RAINFALL AT Alness Ardross Castle

Lat.

Lon.

County of East Ross

Rain Gauge, by Stewart

Observer Mr W. Minto

Connectivity with -14.

Diameter ..	5											
Height	10											
Altitude ..	450 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..	5.77	3.95	3.79	6.53	2.65	3.97	4.90	4.16	3.99	4.38	4.12	
February ..	3.02	4.24	1.47	5.66	4.89	4.27	6.37	3.42	5.75	1.61	4.07	
March	4.00	4.22	3.28	4.39	1.37	4.09	3.27	2.78	4.53	5.35	3.72	
April	3.28	1.76	2.08	3.52	3.72	3.21	2.32	2.35	1.72	3.05	2.70	
May	1.99	2.85	3.74	2.75	2.43	2.14	5.78	4.20	2.01	2.54	3.04	
June	2.39	3.12	3.30	1.41	1.53	.94	.62	5.38	1.41	2.18	2.28	
July	5.55	2.25	3.04	6.04	1.85	2.11	2.91	2.01	1.70	2.87	3.03	
August	4.21	3.42	2.11	5.79	4.13	4.32	3.64	3.45	2.25	2.03	3.53	
September ..	2.82	1.30	2.53	2.94	2.33	2.23	1.88	1.02	7.83	2.21	2.70	
October	4.62	3.61	2.13	7.95	2.42	4.87	5.71	3.12	1.17	5.78	4.13	
November ..	5.24	2.89	1.43	5.27	3.08	6.80	7.18	3.40	3.89	2.87	4.20	
December ..	7.77	5.20	4.94	1.95	4.46	2.26	4.11	3.47	3.22	3.17	4.05	
TOTALS ..	50.66	38.81	33.84	54.20	34.86	41.21	48.72	38.76	39.47	38.04	41.85	

1900 Roskeen Church 7 miles SE

7 mil Trus 8 p/hgt 2.1 ft NW + NE

1903 Allness Station 5 miles SE

1904 Quite exposed

> Daily values in found volume, shelf C3, R.14.

RAINFALL at Alness, Ardross CastleCounty of Ross. Observer Mr. W. L. MintyRiver Basin Cromarty Firth &Rain Gauge, by Stevenson (Edin.)

Diameter ...	5											
Height	1	0										
Altitude ...	450 ⁺											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	5.38	1.65	2.32	1.16	4.25	3.40	7.63	3.27	4.60	2.28		
February ...	1.62	4.67	2.15	2.71	3.06	3.48	4.58	1.08	3.82	2.25		
March	1.80	2.75	2.77	3.31	3.72	2.03	3.67	2.08	1.29	4.42		
April	5.44	2.03	2.82	2.11	1.29	3.91	2.83	2.59	1.04	5.22		
May	2.53	1.83	2.26	2.02	4.92	1.04	3.36	3.07	1.94	.54		
June	1.79	3.06	3.75	3.09	.85	1.05	4.67	2.45	1.70	3.25		
July	5.05	2.01	1.75	.94	2.76	4.44	3.32	1.70	6.69	.53		
August	5.17	1.33	5.34	1.00	1.99	2.92	2.76	6.28	2.85	4.47		
September ..	.98	2.63	1.88	2.92	1.66	5.65	1.69	2.61	5.34	3.59		
October ...	1.83	3.27	3.40	1.74	2.25	2.23	7.79	5.92	3.12	3.08		
November ..	6.29	6.39	5.06	4.39	6.08	4.43	3.05	6.19	2.96	5.50		
December ...	3.59	2.73	6.01	4.81	7.77	8.60	3.35	2.86	4.42	4.36		
TOTALS ...	41.47	34.35	39.51	30.20	40.60	43.18	48.70	40.10	39.77	39.49	39.737	
	_D	_D	_D	_D	_D	_D	_D	_D	_D	_D	_D	

1910 "quite clear"

Crestline 11/5/15. 11' tall 70'E. 2nd NE. F.W.V. 22' above 10' high. Frost trees 9' S.W. - 4 1/2' high.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	57° 41'	4° 31'	Alness	5 mls.	SE	Roskeith	7 mls.	SE.

RAINFALL at Alness, Ardross CastleCounty of RossObserver Mr. W. L. MinlyRiver Basin Gromarty Firth &^{Rev. J. (Edin.)}
John McLeodRain Gauge, by Stevenson (Edin.)

Diameter ...	5"			5								
Height	1 0			1 0								
Altitude ...	450			450								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...	5.81	6.13	4.16	5.92	2.03	4.65	3.18	5.47	6.71	.99	4.01	
February ...	4.91	.88	4.00	3.95	2.63	6.92	3.19	1.15	4.53	.65	1.21	
March	2.80	3.79	2.89	1.08	1.86	3.30	4.38	1.88	3.89	.61	1.95	
April	2.80	1.53	4.01	3.99	1.47	3.15	5.27	3.27	1.64	1.89	1.81	
May	2.92	3.26	3.30	4.46	5.77	3.80	2.96	2.37	3.17	2.08	2.56	
June .....	.54	.84	1.04	.96	2.16	.63	3.16	3.44	3.29	1.68	1.93	
July	2.29	2.95	3.30	3.50	4.32	2.90	1.92	3.56	1.93	2.39	2.59	
August	2.36	2.21	2.16	6.12	4.59	1.51	2.01	3.76	5.26	5.13	7.05	
September...	2.68	1.55	1.98	2.83	6.20	2.62	2.60	6.43	2.71	2.39	3.33	
October	1.86	2.90	2.72	5.15	2.28	2.34	6.76	6.70	4.39	4.87	6.12	
November...	4.56	1.63	2.38	3.74	2.03	1.77	5.33	3.25	5.35	3.38	7.20	
December...	3.31	6.00	3.75	3.54	4.45	4.74	2.78	1.71	4.28	4.05	3.27	
TOTALS...	36.84	33.67	36.69	45.24	37.79	38.33	41.54	42.99	47.15	30.11	43.03	32818.
	3	3	3	3	3	3	3	3	3	3	3	

*Situation open.*Position of Station on reduced Ordnance Survey }
Map, 2 miles to 1 inch Series

No. of Map

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° 45'	4° 21'	Alness	5 mi	SE	Rosneath	7 mi	SE

RAINFALL at Aless (Ardrross Castle)County of Ross & CromartyObserver John McEwanRiver Basin 11 - Cromarty Dist.D. M. Sharpe

Type of Gauge

Annual Average 38.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. R.M.

Diameter	5										
Height	1.0										
Altitude	450.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.64	5.56	3.18	3.79	2.11	4.27	4.52				
February	4.37	.36	3.51	2.07	4.12	3.24	3.57				
March	1.58	3.84	1.52	4.88	2.26	1.22	3.49				
April	3.32	6.75	2.60	6.49	4.17	1.61	4.6	1941			
May	2.99	3.38	1.12	2.81	2.43	1.35	1.83				
June	3.85	.55	2.63	2.43	4.80	1.14	1.09				
July	4.03	2.86	2.73	7.14	1.12	4.74					
August	2.13	1.43	1.53	3.24	3.14	1.64					
September	1.50	3.93	.53	2.31	4.26	3.38					
October	2.67	5.94	5.34	6.16	8.23	5.03					
November	3.12	4.38	3.30	1.79	3.07	2.70					
December	4.30	3.26	.41	3.56	2.74	5.22					
TOTALS	39.55	41.24	28.40	46.67	42.55	36.24	imp.	#			
	D	D	D	D	D	D					

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, EXHIBITION ROAD, LONDON, S.W.7.