

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

Cromarty - 4.

YEAR - -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -							<i>No Returns</i>	.81	1.34	4.51	
February - -							<i>No Returns</i>	1.37	6.77	3.34	
March - - -							<i>No Returns</i>	.71	2.48	1.63	
April - - -							<i>No Returns</i>	2.49	2.56	1.01	
May - - - -	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	.43	2.76	.90	1.16
June - - - -							<i>No Returns</i>	2.70	1.99	4.12	2.48
July - - - -							<i>No Returns</i>	3.99	2.49	2.11	2.79
August - - -							<i>No Returns</i>	3.25	1.80	2.11	1.83
September -							<i>No Returns</i>	2.11	1.78	.46	2.48
October - - -	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	<i>No Returns</i>	4.45	2.10	2.94	2.20
November -							<i>No Returns</i>	2.14	2.46	3.03	1.70
December -							<i>No Returns</i>	2.02	3.79	1.06	1.78
TOTALS -								24.55	29.88	26.61	

x From 15th May

Rainfall at *Cromarty*

Rae.

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level, ft.

Cromarty - 4.

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	1.33	2.34	3.66	2.71	2.59	.82	1.47	1.62	2.46	2.96	2.196
February - -	3.38	.89	2.18	3.05	1.61	.08	1.99	.57	.60	2.98	1.733
March - - -	.98	2.59	.49	.66	.66	.99	0.00	1.91	2.13	3.83	1.424
April - - -	1.04	1.43	.12	1.30	.89	1.56	2.07	.70	1.02	3.65	1.378
May - - -	2.14	1.22	1.00	.88	3.53	.65	1.36	.93	2.30	0.00	1.401
June - - -	1.20	1.28	2.74	2.95	3.04	1.18	2.29	2.00	1.42	1.71	1.981
July - - -	2.36	1.82	2.35	1.67	2.65	3.73	1.84	1.71	4.47	2.10	2.470
August - -	3.70	1.62	2.02	3.30	1.70	1.53	1.29	1.80	2.22	2.96	2.214
September -	1.60	.71	2.04	2.99	1.36	.70	2.87	1.61	1.19	3.26	1.833
October - -	3.24	1.52	2.10	4.40	2.64	1.61	.72	.80	3.11	4.83	2.497
November -	3.42	1.36	2.84	.82	2.99	.24	1.66	2.55	1.07	2.60	1.955
December -	2.20	.83	5.61	.65	3.44	1.66	1.46	2.33	3.16	4.49	2.583
TOTALS -	26.59	17.61	27.15	25.38	27.10	14.75	19.02	18.53	25.15	35.37	23.665

Cromarty East Ross
Lat 57.41 Lon 4.2

60

Ros.

+ Ground 3 ft. 4 in. + Sea Level 28

Cromarty - 4.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.02	1.54	1.93	3.89	.38	2.61	2.46	4.02	3.68	.90	2.343
February - -	1.78	1.50	1.03	1.21	3.20	1.25	3.12	1.28	3.81	2.46	2.064
March - - -	4.17	2.97	1.36	.64	2.04	1.02	1.36	.94	1.65	.59	1.674
April - - -	1.97	1.22	.57	2.26	.97	.56	.75	2.16	1.76	1.27	1.349 -
May - - - -	2.03	2.09	2.19	.86	1.58	1.73	1.08	1.71	.94	1.02	1.523
June - - - -	3.38	3.08	2.59	1.98	1.70	.15	1.05	1.36	.75	.87	1.691
July - - - -	2.89	5.10	1.93	.06	1.08	3.15	2.83	1.96	.78	.35	2.013
August - - -	5.54	4.15	2.31	4.87	1.33	1.83	2.20	1.44	4.38	1.18	2.923 +
September -	2.47	6.30	.90	4.54	2.87	.80	2.74	1.80	3.16	3.37	2.895
October - -	4.85	1.77	2.48	1.47	4.42	2.99	1.40	2.61	1.42	3.60	2.671
November -	2.90	8.27	1.82	1.69	1.82	2.08	3.17	.50	1.09	2.12	2.546
December -	1.86	3.14	1.25	3.16	1.93	1.34	3.38	1.65	1.96	2.32	2.249
TOTALS -	35.86	41.13	20.36	26.63	23.32	19.51	25.74	21.43	25.38	20.05	25.741

c + c c - c c c c

RAINFALL AT *Cromarty*

Lat.....

Lon.....

County of *East Ross*Rain Gauge, by..... Observer *Bond J. Mathew**Cromarty - H.*

Diameter												
Height	3.4											
Altitude	28.											
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.52	.70	1.99	1.55	2.13	2.37	.68	2.22	1.57	.12	1.495	
February .....	.86	1.78	.71	.57	.06	.52	2.53	4.00	.48	.20	1.141	
March .....	.47	.54	1.03	1.02	1.26	.98	1.78	1.69	.73	1.72	1.122	
April	1.12	.77	.89	.62	1.32	.16	.54	1.90	.39	1.44	.915	
May	1.00	.12	2.59	2.28	1.71	.61	.68	2.22	1.84	3.25	1.630	
June	1.37	2.02	4.69	1.13	.74	.78	1.65	3.13	2.15	3.11	2.047	
July	1.40	5.99	2.81	2.58	1.39	2.06	1.29	2.22	1.08	5.29	2.611	
August .....	.51	2.10	1.58	1.58	3.60	1.52	1.25	4.59	4.48	5.83	2.704	
September.....	1.86	3.95	3.10	4.42	1.40	2.05	3.31	.85	2.91	1.23	2.508	
October.....	1.74	.73	3.35	2.76	1.74	1.82	2.79	3.56	1.94	1.70	2.213	
November.....	1.92	1.63	3.85	2.85	1.30	2.25	3.41	2.79	2.48	2.58	2.506	
December.....	2.51	.54	1.29	2.25	.28	1.77	3.68	2.14	.75	1.42	1.663	
TOTALS	16.28	20.27	27.88	23.61	16.93	16.89	23.59	31.31	20.80	27.89	22.605	

C C C

RAINFALL AT Cromarty

Lat. _____

Lon. _____

County of East Ross

Rain Gauge, by _____

Observer Bd. of Northern Lights

Cromarty - Lt.

Diameter											
Height	3	4									
Altitude	28?										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.70		2.12	1.99	3.74	1.34	1.92	1.53	.35	.35	
February	2.00	1.87	2.16	1.41	1.35	1.87	.74	1.06	.22	.63	
March	2.05	.70	2.38	.65	.92	.61	.47	.28	.91	.62	
April	1.47	.34	1.40	1.00	.54	.69	.73	1.19	1.35	1.77	
May .....	.27	2.14	.75	.81	1.42	1.02	1.73	.21	.87	.68	
June	1.25	.80	2.45	1.35	.29	1.10	.34	.00	.79	.64	
July	3.99	2.55	2.29	2.55	1.42	.73	1.57	1.04	1.72	.45	
August .....	.38	2.07	1.52	2.82	.93	1.26	.61	.39	.83	1.85	
September	1.72	1.58	2.99	2.66	.35	2.88	1.20	.69	.84	.59	
October	1.87	1.88	1.53	2.06	1.82	1.42	1.50	2.02	1.22	2.13	
November	2.06	2.66	2.64	2.66	1.85	.75	1.63	1.61	.99	.92	
December	3.30	1.09	3.61	2.27	1.73	1.50	1.75	.98	.70	1.00	
TOTALS	22.06		25.84	22.23	16.36	15.17	14.13	11.00	10.79	11.83	

RAINFALL AT *Bromarty*

Lat. _____

Lon. _____

County of _____

East Ross

Rain Gauge, by _____

Observer _____

Board of Northern Lights

Cromarty - 4.

Diameter ....	...										
Height .....	...										
Altitude ....	...										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.65	1.53	1.97	1.38	1.47	3.60	1.77	2.00	1.51	4.05		
February ....	.45	1.81	2.38	2.81	3.64	1.15	.88	.69	2.96	2.44		
March	1.96	1.59	.90	.38	.81	2.50	1.82	1.20	1.67	3.39		
April .....	.95	.35	1.04	.71	.50	1.60	1.34	.56	1.33	4.28		
May	1.09	2.68	1.88	.68	2.65	1.00	1.12	1.14	1.36	2.45		
June	1.98	1.01	1.87	.94	.96	3.95	3.34	1.73	.54	2.24		
July	2.85	3.80	2.72	1.48	3.10	1.45	2.76	.18	.71	2.36		
August	3.38	2.61	2.65	2.07	4.30	1.80	1.46	1.55	2.63	1.19		
September....	.17	1.84	1.87	2.64	.54	1.90	4.05	.78	2.28	3.54		
October	3.82	1.16	4.79	2.81	1.90	1.60	3.25	1.68	2.36	.76		
November	2.29	1.67	1.67	1.85	.67	.50	.77	2.18	2.80	3.53		
December ....	.31	.86	1.23	2.04	1.30	2.55	2.36	2.09	5.79	4.15		
TOTALS	21.90	20.91	24.97	19.79	21.84	23.60	24.92	15.78	25.94	34.38	23.40	

Jan 1897 Estimated

RAINFALL AT *Cromarty*

Lat.

Lon.

County of *East Ross*

Rain Gauge, by

Observer *Beard of Northern Lights*

Cromarty Fish - 4

Diameter ..	...	3									
Height ....	...	10									
Altitude ..	...	28						60			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.43	.84	1.35	5.20	1.20				1.85	2.61	
February ..	2.17	2.29	.23	4.30	3.65				2.32	.53	
March	3.37	1.08	.99	2.50	.60				3.38	2.42	
April	2.21	.38	.08	1.35	1.95				1.13	2.21	
May	1.41	1.70	1.98	1.75	1.30			2.76	1.41	2.05	
June	1.01	1.89	2.72	1.70	1.10			4.46	1.23	1.59	
July	3.13	1.65	2.13	4.40	.90			1.74	.99	2.48	
August	1.85	1.66	1.51	2.50	3.10			2.39	1.02	1.74	
September..	1.03	1.09	.97	1.70	1.20			.94	4.85	1.52	
October	2.47	1.88	.92	5.20	1.80			2.62	.92	4.28	
November ..	4.40	2.49	.21	3.55	1.25			2.32	2.34	1.49	
December ..	5.59	1.98	2.45	.85	2.10			2.17	1.03	2.03	
TOTALS ..	31.07	18.93	15.54	35.00	20.15				22.47	24.95	

1905 gauge out of order all the year

RAINFALL at

Gromarty

County of Ross

Observer B. of Northern Lights.

River Basin Gromarty Firth 4

Rain Gauge, by

Diameter ...	3											
Height	1 0											
Altitude ...	28											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.45	.97	1.17	.45	2.85	2.10	3.49	2.10	2.02	1.89		
February ...	1.04	2.70	1.73	1.82	1.86	1.30	3.23	.69	1.68	1.32		
March .....	.71	1.30	1.47	2.08	2.52	1.63	2.11	1.64	.87	1.71		
April	4.25	1.57	1.62	1.35	.68	2.14	1.17	1.64	.94	2.56		
May	1.18	1.91	1.72	1.08	2.41	1.31	2.96	1.69	1.94	.35		
June	1.36	2.56	2.59	2.55	1.07	.66	3.95	2.45	1.25	1.35		
July	4.14	2.44	1.68	1.30	1.93	2.88	3.92	.96	5.76	.56		
August	3.10	.85	3.50	.73	1.85	.95	1.66	4.86	1.96	1.91		
September ..	.74	1.38	.98	2.27	.67	4.64	.93	1.26	2.55	1.87		
October ...	.37	2.51	2.18	.99	1.06	1.39	4.94	4.01	1.79	1.88		
November ..	3.64	5.34	2.33	2.13	3.92	2.42	1.90	3.43	1.62	3.46		
December ...	1.31	1.67	3.48	2.41	3.47	3.78	1.85	1.98	2.93	2.72		
TOTALS ...	25.29	25.20	24.45	19.16	24.29	25.20	32.11	26.73	25.31	20.98		

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

RAINFALL at GronarthyCounty of DorsetObserver Board of Northern LightsRiver Basin Gronarthy Lirth &

Rain Gauge, by _____

Diameter ...	3										
Height	1 0										
Altitude ...	28								21'		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	2.62	1.99	1.96	2.24	.89	.96	1.20	1.53	2.37	.46	2.26
February ...	2.59	.54	1.70	1.33	.36	2.58	1.53	.66	.94	.29	.54
March	1.36	1.82	1.56	.41	1.25	1.10	1.95	.94	1.69	.16	.83
April	1.12	.41	1.68	2.16	.40	1.22	1.48	1.39	.90	1.06	.96
May	1.48	2.69	2.10	2.68	2.58	1.88	1.66	1.31	2.45	2.45	1.71
June .....	.58	.57	.67	.49	1.47	.71	1.76	1.61	2.89	1.21?	1.72
July	2.08	2.35	2.09	1.83	2.42	2.08	.82	2.05	1.23	1.58	1.50
August	1.44	1.43	2.52	3.04	2.76	.62	1.64	1.30	2.73	3.28	5.10
September...	1.81	1.17	1.23	1.66	3.20	1.77	1.99	2.69	2.05	1.09?	2.10
October .....	.90	1.53	.93	2.31	2.23	1.33	3.39	2.24	1.89	4.00	3.28
November...	2.25	1.09	1.18	1.33	1.17	.61	1.63	1.68	3.57	1.84	4.30
December...	1.13	2.38	1.40	1.41	2.06	1.85	.96	1.19	1.28	1.83	1.86
TOTALS...	19.36	17.99	19.02	20.89	20.79?	16.71?	20.01?	18.59?	23.99?	19.25?	26.16

1923. ? low. Catechism in 1926. 6. in garden. Sundial 4 ft. high 9 ft. to SE
 gooseberry bushes to S 3-4 ft. high 10-15 ft. away to S & SE; well
 5 ft. high 17 yds W + 10 yds S; buildings 17 yds N;
 standard gauge on 1 ft. above ground.

1929. June + Sept. low.

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

RAINFALL at GromaryCounty of Devon & GromaryObserver Com'n. of N. LighthouseRiver Basin H - Gromary Dist.

Type of Gauge.....

Annual Average ^{*} in. based on..... years obs. un-weighted. Period of average..... Ref.....

Diameter	5.										
Height	1. 0										
Altitude	21.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.63	3.65	1.67	1.77	1.27	1.88	1.74				
February	2.90	.28	2.08	.54	2.08	1.04	1.85				
March .....	.93	2.56	0.73	2.97	1.28	.76	1.06				
April	1.47	2.18	2.21	3.93	2.59	1.01	.42				
May	2.54	3.10	1.29	1.55	2.07	1.19	1.20				
June	3.39	.19	2.41	1.40	3.73	.51	1.16				
July	3.61	2.61	2.92	3.15	.74	3.47	1.54				
August	1.50	.18	1.88	1.96	2.85	.92	1.81				
September	1.30	1.73	0.17	1.33	2.87	1.60	.65				
October	1.94	3.78	2.57	3.09	4.19	1.61	1.47				
November	1.72	2.97	0.82	.88	2.14	1.00	.38				
December	1.50	2.40	0.13	1.69	1.22	1.69	.51				
TOTALS	25.43 M.	25.93 M	18.88 M	24.26	27.03	16.68 np low	13.79 np low	11.2.			

1935 Record rejected by M.O. Edin. as persistently low.
(see encl. 45A & 727947/38)

x Our computer for Survey (1943) - 21.6 in. possibly 2" low.

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.