

Rainfall at North Ronaldshay Orkney.

Diameter of Gauge, ..... in.

Height above Ground, ..... ft. .... in.

Above Mean Sea Level, ..... ft.

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -						2.85	2.33	6.34	3.76	6.12	
February - -						.70	1.55	2.52	1.18	4.53	
March - - -						3.27	0.00	4.11	2.91	4.99	
April - - -						2.24	.38	1.71	1.15	3.54	
May - - - -						1.58	.35	.76	3.24	.13	
June - - - -						2.56	1.52	.48	2.62	1.88	
July - - - -						3.06	2.11	1.94	4.03	2.92	
August - - -						3.01	1.79	2.17	2.89	2.16	
September -						2.93	1.41	2.31	1.37	2.28	2.31
October - - -						3.83	5.78	.83	1.89	6.19	4.01
November -						3.46	1.03	3.83	1.52	2.27	2.44
December -						5.71	3.96	5.25	3.22	3.03	2.70
TOTALS -						31.45	22.25	28.03	35.55	40.73	

*No Returns*

## North Ronaldsay

L.H.

Orkney.

+ 3.4

21.62

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.20	2.33	3.60	5.49	1.15	3.65	3.62	1.96	4.03	3.15	3.226
February - -	2.46	1.58	1.32	3.30	3.24	1.94	2.20	3.08	5.30	2.02	2.652
March - - -	3.54	4.82	1.23	2.47	2.52	2.47	1.69	.52	2.33	1.20	2.279
April - - -	1.25	.52	2.50	2.88	.98	.98	.75	3.12	1.78	2.05	1.681
May - - - -	3.49	2.03	2.09	1.97	1.54	1.23	1.92	.47	1.20	.92	1.686
June - - - -	1.74	.72	1.13	1.02	1.81	1.18	1.20	1.11	2.07	.89	1.287 -
July - - - -	1.00	2.91	2.37	.86	1.50	1.59	1.63	1.11	1.02	2.59	1.658
August - - -	2.21	5.34	1.63	2.22	2.79	1.95	2.04	1.78	4.36	2.89	2.801
September -	2.49	2.94	2.35	4.12	2.94	1.54	3.07	2.29	1.07	3.71	2.652
October - -	6.42	4.01	7.20	3.07	3.42	3.37	1.90	4.39	3.30	3.72	4.090 +
November -	2.01	5.56	2.76	2.45	3.65	3.58	3.81	1.59	1.51	5.52	3.334
December -	2.67	3.11	6.01	6.47	2.78	2.50	3.47	3.59	4.41	1.78	3.479 -
TOTALS -	33.38	35.87	34.27	36.32	28.32	25.98	28.18	25.01	32.68	30.44	31.015

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RAINFALL AT *North Ronaldsay*

Lat.....

Lon.....

County of.....

*Corkney*

Rain Gauge, by.....

Observer.....

*Barth. of Northern Lights*

Diameter.....	—										
Height.....	3.4										
Altitude.....	21'										
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.63	1.29	2.41	2.51	3.73	4.95	3.04	3.63	3.37	.81	2.734
February.....	.47	1.49	1.93	.78	1.56	2.09	1.67	3.26	1.35	1.07	1.564
March.....	.70	1.19	1.46	2.13	2.32	.83	4.66	2.68	3.43	3.08	2.248
April.....	<sup>+</sup> 3.92	.60	1.84	.32	2.12	1.86	2.33	1.24	.13	1.30	1.586
May.....	.76	1.90	1.43	.47	1.42	1.58	1.48	1.85	1.21	1.98	1.405
June.....	.64	.15	2.43	.62	1.47	1.66	1.22	2.85	.65	.73	1.242
July.....	.37	.65	1.61	3.03	1.19	3.49	2.96	2.36	.90	2.01	1.884
August.....	1.14	2.41	2.35	3.14	3.76	2.74	2.93	1.85	2.08	3.28	2.568
September.....	1.37	2.20	3.32	2.47	4.83	2.66	2.60	.97	2.61	2.56	2.539
October.....	.77	1.50	4.33	5.04	5.06	3.38	4.43	2.85	2.38	3.72	3.346
November.....	1.46	2.12	6.13	3.80	3.40	4.01	4.52	5.96	3.53	4.52	3.945
December.....	1.17	1.54	2.85	4.69	4.68	4.16	3.88	4.08	3.57	2.60	3.322
TOTALS.....	14.40	17.04	32.09	29.20	35.54	33.41	35.72	33.38	25.21	27.66	28.335

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RAINFALL AT *North Ronaldsay*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Orkney*

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

Observer *St. of Northern Lights*

Diameter . . .												
Height . . . .	3.4											
Altitude . . .	21?											
Year . . . . .	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January . . .	1.92	1.57	2.82	4.80	5.65	1.80	4.00	3.35	2.70	2.45	3.106	
February . . .	5.19	3.80	4.41	4.37	1.70	2.50	1.75	2.40	1.30	2.29	2.971	
March . . . .	2.21	3.50	4.28	3.94	3.50	3.50	1.35	.75	2.37	2.03	2.743	
April . . . . .	1.26	.85	3.44	1.80	1.20	1.00	2.10	2.05	2.57	.44	1.671	
May . . . . .	2.12	2.23	1.30	2.15	2.70	2.14	2.10	1.10	1.32	.55	1.771	
June . . . . .	.60	1.19	3.71	.40	.70	2.25	1.75	1.25	.15	.15	1.215	
July . . . . .	2.61	3.20	2.57	2.95	2.55	1.95	4.05	2.27	1.53	.90	2.458	
August . . . .	.13	2.26	1.72	2.55	1.35	.80	1.60	1.89	2.95	5.22	2.047	
September . .	3.76	.86	3.15	3.90	1.65	3.95	1.35	2.53	.80	1.47	2.342	
October . . . .	2.84	3.35	2.99	3.75	4.25	3.05	2.15	1.83	4.26	3.22	3.169	
November . . .	5.82	3.11	4.16	4.20	4.95	2.20	2.84	2.86	3.67	2.37	3.618	
December . . .	4.62	4.19	4.48	4.65	4.35	3.53	4.80	3.76	1.35	2.63	3.838	
TOTALS . . . .	33.08	30.11	39.03	39.46	34.35	28.69	29.84	26.04	24.97	23.72	30.949	

RAINFALL AT *North Ronaldsay*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Orkney*

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

Observer *Board of North Ronaldsay*

Diameter ....	...											
Height .....	3 4											
Altitude ....	21 9											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	3.66	4.14	8.05	4.50	2.47	† .00	3.13	1.00	4.12	3.50	3.457	
February ....	1.20	.87	3.35	2.95	2.80	† .00	2.07	1.63	3.43	1.24	1.954	
March .....	2.60	2.20	.75	3.05	1.80	1.25	3.78	3.73	3.46	2.92	2.554	
April .....	.93	.65	1.30	1.55	.00	1.95	2.60	1.65	3.34	2.23	1.620	
May .....	1.15	1.47	2.48	1.59	† .00	.00	.89	.93	1.74	2.16	1.241	
June .....	2.90	1.04	.95	.00	2.60	2.10	1.95	.86	1.60	1.82	1.582	
July .....	4.67	5.05	1.95	.97	2.20	1.15	1.77	1.46	1.45	1.43	2.210	
August .....	2.65	3.07	2.80	1.77	1.65	1.85	2.50	1.77	2.01	1.21	2.128	
September....	4.75	2.31	5.23	3.61	.00	3.90	4.08	4.95	2.39	3.61	3.488	
October .....	4.11	1.70	4.98	6.47	2.00	3.82	5.94	3.34	4.14	3.91	4.041	
November....	4.30	1.86	5.02	3.32	1.53	3.55	2.74	3.24	3.38	6.52	3.548	
December ....	.30	3.00	2.85	6.47	2.27	4.90	5.27	4.39	6.16	4.41	4.005	
TOTALS ....	33.22	27.36	39.71	36.25	19.34	24.47	36.72	28.95	37.22	34.96	31.820	

† Double - probably no wind - see neighboring stations

1860 -

# RAINFALL AT North Ronaldsay

Lat. ....

Lon. ....

County of Orkney

Rain Gauge, by .....

Observer Board of Northern Lights

Diameter ..	...	3									
Height ....	...	0 4									
Altitude ..	...	10						140			
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.71	2.05	7.10	4.93	2.98	4.80	7.19	5.28	3.09	3.33	4.406
February ..	2.26	1.72	1.80	6.35	4.45	3.95	2.47	3.84	4.01	2.05	3.290
March ....	1.99	4.09	6.50	5.30	2.55	3.42	1.75	2.71	3.28	1.15	3.274
April .....	2.47	3.57	2.85	3.70	3.15	2.93	1.19	1.98	1.49	1.09	2.442
May .....	1.39	.74	1.44	1.30	1.49	1.03	1.48	.91	1.46	.58	1.182
June .....	.33	1.55	2.46	1.17	1.35	1.05	.80	3.72	2.36	1.12	1.591
July .....	2.47	.75	1.70	2.05	.75	1.41	2.45	1.89	1.57	1.28	1.582
August ....	1.17	3.58	1.89	4.91	2.60	1.64	3.54	2.63	2.87	2.32	2.715
September..	3.35	1.05	2.64	2.10	2.75	1.24	2.14	1.47	2.06	1.87	2.067
October....	6.89	9.00	3.21	5.10	3.84	3.57	3.55	2.88	1.44	5.46	4.489
November..	5.09	3.76	3.49	5.45	4.14	4.37	4.64	3.37	4.01	4.82	4.314
December..	6.27	6.95	4.43	3.35	7.09	2.57	6.48	2.26	3.86	5.03	4.829
TOTALS ..	38.39	38.81	39.51	45.71	37.14	31.48	37.68	32.39	31.50	30.10	36.271

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## RAINFALL at

North Ronaldshay

5829

County of

Orkney

Observer

Bot. of Northern Lights

River Basin

Rain Gauge, by

Diameter ...	3										
Height ....	0 4										
Altitude ...	140										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.50	4.06	4.02	2.81	3.28	3.03	6.09	3.19	2.66	2.50	
February ...	2.58	3.31	2.63	2.16	2.55	4.01	2.49	1.25	3.28	1.93	
March .....	2.36	2.03	2.93	2.99	3.72	1.95	2.19	3.84	1.37	3.73	
April .....	4.00	1.79	2.55	1.58	2.23	2.54	3.26	2.27	1.11	2.86	
May .....	1.58	1.40	3.51	2.06	3.49	.85	2.33	1.37	.74	.56	
June .....	.48	1.31	2.01	2.19	.93	.68	2.75	2.09	1.81	2.41	
July .....	.49	1.60	1.22	.55	1.66	1.03	2.43	.72	3.18	1.20	
August .....	2.21	1.45	3.13	1.08	1.28	2.14	.49	1.51	3.84	5.06	
September ..	1.11	2.71	1.57	2.11	2.42	2.63	1.32	4.48	4.18	3.61	
October ...	1.31	2.33	3.70	2.50	2.01	.96	5.67	7.54	2.87	2.63	
November ..	5.72	5.36	4.42	5.33	4.69	3.85	5.24	4.48	3.24	5.95	
December ...	3.89	4.85	4.61	2.65	5.36	6.66	5.01	3.78	4.92	5.60	
TOTALS ...	30.23	32.20	36.30	29.01	33.62	30.33	39.27	36.52	33.20	38.10	33.1878

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

RAINFALL at *North Ronaldshay*County of *Orkney*Observer *Board of Northern Lights*

River Basin \_\_\_\_\_

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

Diameter ...	3						5					
Height .....	0 4						0 9					
Altitude ...	140						22					
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930- MEANS.	
January ...	3.56	4.70	3.69	3.73	2.30	1.49	3.88	5.12	5.89	1.62	4.80	
February ...	4.00	1.49	1.99	1.96	2.92	5.01	2.89	2.27	5.10	1.35	1.17	
March .....	3.65	3.05	2.40	4.3	1.72	2.61	4.23	2.35	2.56	1.60	2.67	
April .....	1.69	1.53	2.41	2.15	1.80	2.16	1.99	5.54	1.69	2.05	2.09	
May .....	3.03	1.73	2.37	2.68	70	1.58	2.27	1.84	1.15	1.58	1.81	
June .....	38	1.31	1.52	1.38	78	1.36	1.22	3.60	2.17	1.39	2.63	
July .....	1.96	.88	2.55	2.59	1.01	2.50	1.13	2.07	2.26	2.56	2.60	
August .....	90	1.54	1.93	4.04	.55	1.60	4.96	.41	1.88	5.18	5.19	
September...	2.58	1.44	2.66	2.18	1.23	3.32	4.11	3.31	1.79	5.41	3.32	
October .....	22	1.69	1.07	3.45	1.33	4.09	5.59	5.43	4.92	6.93	4.95	
November...	4.73	2.37	3.13	5.61	1.24	2.61	5.13	4.18	5.57	4.79	5.08	
December...	2.79	6.65	2.46	2.43	1.37	4.28	5.16	1.45	4.45	6.80	4.28	
TOTALS...	29.49	28.38	28.18	32.63	16.75	32.61	42.56	37.57	39.43	46.26	40.09	

1924. Ind. D.P. *Catechism* 1926. 5. in centre of garden, ground level, sundial 4 ft. high is 4 yds east of gauge. Standards. with tin 9 in. above ground.

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	Parish Church.	Distance from gauge	Direction



RAINFALL at North Ronaldsay

County of Orkney Observer Com'n. of N. Lighthouse

River Basin.....

Type of Gauge.....

Annual Average 32.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Sunny  
computer x 136

Diameter .....	5										
Height .....	0.9										
Altitude .....	22.										
Year .....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January .....	4.23	3.75	2.86	3.35	3.59	2.20	7.18	4.81	6.57	1.58	
February .....	5.56	.02	3.18	3.78	3.41	1.41	(2.98)	2.49	6.66	2.41	
March .....	1.41	4.72	1.70	2.12	2.53	.79	2.58	4.47	2.70	5.37	
April .....	2.81	3.68	2.16	4.40	1.58	.30	1.69	1.02	.93	3.67	
May .....	3.72	3.05	0.21	1.03	.40	.85	.69	2.65	.46	1.67	
June .....	2.16	.77	0.60	1.19	.97	.56	4.03	5.13	1.50	1.87	
July .....	3.55	2.61	0.81	2.18	2.53	5.38	(1.77)	2.11	5.81	2.66	
August .....	.55	2.35	1.58	3.53	3.95	2.08	(1.80)	1.49	1.13	4.33	
September .....	1.15	4.07	1.77	3.31	3.99	3.37	3.29	1.69	1.04	5.47	
October .....	5.02	4.44	3.76	4.31	6.87	3.95	(2.41)	7.96	1.00	3.20	
November .....	4.55	4.68	2.07	2.35	5.67	5.27	3.31	4.79	6.18	5.17	
December .....	5.03	2.69	1.35	5.02	3.54	4.55	(3.01)	5.03	5.25	3.16	
TOTALS .....	39.74	36.83	22.04	36.57	39.05	30.71	(34.74)	42.64	39.23	40.56	

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	Parish Church.	Distance from gauge	Direction

Station No. 5829

RAINFALL at North Ronaldsay

41

County of Orkney

Observer Course of N. Lighthouses.

River Basin

Type of Gauge

Annual Average 22.9 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref. Survey

File No.

Diameter	5"				764	721					
Height	0' 9"					1					
Altitude	22'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.60	6.83	1.63	4.00	3.48	2.31	3.98	(4.25)	6.01	3.80	
February	3.06	2.98	2.57	2.61	2.98	4.02	1.03	2.80	3.62	4.10	
March	0.82	1.55	1.82	2.67	1.75	1.95	2.40	3.22	3.29	3.61	
April	1.54	1.02	2.49	2.49	1.60	3.29	2.57	1.58	2.98	2.42	
May	1.81	1.87	3.47	2.54	1.83	0.83	0.73	1.55	1.51	4.2	
June	0.63	1.84	0.63	1.51	1.89	2.57	1.37	1.09	1.25	3.28	
July	3.56	1.77	1.02	0.95	1.78	2.62	1.28	1.59	.91	2.26	
August	3.74	2.10	2.21	1.34	2.89	2.00	.08	(2.57)	2.56	2.00	
September	2.23	(4.30)	2.29	2.64	2.19	2.91	5.93	3.81	2.89	3.18	
October	3.23	(6.23)	1.72	4.22	2.38	.75	2.81	5.41	3.56	3.74	
November	4.41	(2.75)	3.74	4.48	1.59	5.38	5.54	3.04	5.72	4.54	
December	(4.06)	(4.40)	3.09	3.17	5.02	5.70	3.24	4.18	6.07	3.94	
TOTALS	30.28	(37.64)	26.68	32.62	29.38	34.33	30.96	(35.09)	40.37	37.29	

1941 Dec. cond. for maps.

1942 up too much estimation July-Dec. St. std. from maps.

10.12.42 Gauge found to be leaking but leak has now been repaired.

1943 up low

1944 up low.

1945 up low. x/46 Gauge leaking - now repaired.

1948 Jan and Aug. part off.

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. 5829

RAINFALL at

North Ronaldsay

51

County of Orkney

Observer

Comms of Northern Lighthouses

River Basin

Type of Gauge

Annual Average 32.8 in. based on 55 years obs. un-weighted. Period of average 1881-1915 Ref. 535.44 " " 31 " " within 1916-56File No. 1916-1950 S.

Diameter ...	5"				764	721					
Height ...	0' 9"					1					
Altitude ...	22'					51			?		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.55	5.18	4.04	2.55	3.29	5.07	4.34	3.84	2.54	2.32	
February ...	4.05	2.63	3.56	3.63	3.36	0.86	2.04	1.62	6.19	3.35	
March ...	3.31	4.34	1.58	2.09	4.31	2.28	3.83	1.30	6.23	0.86	
April ...	3.09	0.69	2.20	1.42	1.63	0.93	1.59	0.82	1.02	2.91	
May ...	0.10	2.09	2.15	1.86	1.28	1.88	2.04	2.05	0.27	1.00	
June ...	1.33	2.60	(1.50)	3.44	1.10	1.77	1.48	0.33	0.86	1.18	
July ...	2.03	0.67	1.82	(3.03)	0.60	2.56	3.29	1.53	1.15	0.73	
August ...	4.19	(4.23)	2.05	2.10	0.33	2.15	1.80	1.00	0.46	0.76	
September ...	1.43	(3.36)	3.09	4.22	3.17	2.40	2.73	0.93	0.46	1.49	
October ...	2.03	(3.19)	2.63	6.09	6.28	3.79	3.15	2.17	2.66	2.18	
November ...	6.19	(3.79)	4.95	5.31	1.82	1.84	2.14	0.26	2.72	3.49	
December ...	5.03	3.30	3.01	6.03	4.51	5.99	3.69	1.35	2.60	2.28	
TOTALS ...	36.33	36.07	32.58	41.77	28.68	31.52	32.12	17.20	15.20	23.55	

1958 n.p. low.

1959 n.p. low.

1960 n.p. low.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 310/787561

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	41, 46-50 n.p. 42-45	
	—	—	m 31	—	