

Rainfall at Hoy (high) = E

okney.

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 - -		No Returns	5.45	6.56	3.67	4.28	1.82	4.70	4.86	6.81	
February - -			2.80	4.89	4.09	.96	2.64	3.72	1.89	3.51	
March - - -			.43	2.17	1.43	3.83	.37	4.31	3.22	4.54	
April - - -			.05	3.30	1.56	2.67	.85	1.32	.72	4.64	
May - - - -		No Returns	4.09	1.45	.41	1.48	1.11	.18	.79	2.55	.26
June - - - -			3.21	2.09	1.96	1.61	1.72	1.98	.72	2.05	2.29
July - - - -			2.53	2.50	1.80	2.17	2.53	2.45	1.46	4.33	2.73
August - - -			1.83	.38	3.68	2.97	3.70	1.12	3.19	2.33	1.81
September -			.12	2.35	3.51	3.64	1.48	3.06	2.50	2.84	2.54
October - - -			4.14	3.95	6.14	4.68	5.10	.87	2.22	6.48	6.80
November - -			3.35	5.50	2.66	4.74	1.11	3.55	1.97	2.22	2.89
December - -			1.97	5.63	1.41	8.10	4.94	6.70	3.58	4.25	4.46
TOTALS - - -			32.58	34.49	40.14	33.43	25.59	30.48	37.74	43.28	

* From 15th May

Hogg Sound High East.
 Lat 58.56.9. Lon. 3.16.32
 Orkney

+ Ground

+ Sea Level 27

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.74	2.07	4.80	6.36	1.52	3.92	4.57	3.23	3.49	2.97	3.567
February - -	2.24	1.58	1.93	3.88	5.65	2.45	5.46	3.90	6.49	4.56	3.814
March - - -	3.93	5.13	1.66	2.30	4.02	4.64	2.13	1.35	3.02	1.94	3.012
April - - -	1.38	.92	2.55	3.45	1.65	1.42	1.27	2.87	3.03	2.75	2.129
May - - - -	2.67	1.78	3.01	2.04	2.01	1.60	1.32	.73	1.27	.54	1.705
June - - - -	1.29	.45	2.53	1.41	1.46	.70	2.30	1.16	2.43	1.16	1.497 -
July - - - -	1.01	3.22	2.15	1.33	1.42	1.51	1.10	1.83	.89	2.27	1.673
August - - -	4.15	7.42	1.17	2.36	2.52	2.36	3.00	1.20	6.01	2.07	3.226
September -	3.98	2.16	2.18	5.81	3.70	1.67	2.49	4.70	1.35	6.63	3.467
October - -	6.58	5.23	5.45	3.13	4.10	4.47	1.74	5.37	6.42	2.95	4.544 +
November -	3.52	7.38	1.73	2.74	5.36	3.41	6.74	2.39	2.32	7.16	4.275
December -	3.73	2.63	4.27	6.91	3.28	2.97	4.42	4.89	4.03	3.85	4.098
TOTALS -	37.22	39.97	33.43	41.72	36.69	31.28	36.54	33.62	40.75	38.85	37.007

C C C C C C C C C C

RAINFALL AT *Graemsay, Hugh E*

Lat.....

Lon.....

County of.....

Orkney

Rain Gauge, by.....

Observer.....

Roscoe of Mothorn Light

Diameter.....											
Height.....	3.4										
Altitude.....	27 ^f										
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.78	5.45	4.20	3.19	5.83	5.14	3.27	4.65	3.89	2.20	3.960
February.....	1.95	4.67	2.25	3.9	9.0	1.99	2.66	4.30	1.08	1.11	2.150
March.....	1.00	2.93	1.67	2.23	3.35	5.0	4.55	2.37	2.86	3.06	2.452
April.....	2.34	1.14	1.93	1.76	1.87	1.45	2.67	1.63	3.0	1.80	1.689
May.....	1.46	1.02	1.33	2.05	1.08	1.61	1.40	2.16	1.45	1.53	1.509
June.....	1.16	.45	3.80	1.89	1.35	1.20	1.17	1.83	1.04	1.23	1.572
July.....	~ 75	2.76	2.39	2.44	2.01	1.72	2.16	1.70	1.30	2.12	1.935
August.....	1.09	2.48	3.26	3.26	3.83	2.27	2.09	1.80	1.23	4.46	2.577
September.....	4.36	1.87	2.85	2.64	4.68	2.83	2.30	1.60	5.78	3.69	3.260
October.....	2.76	2.82	6.16	7.65	3.86	3.37	3.87	3.12	3.57	2.75	3.999
November.....	3.71	4.22	4.63	5.30	3.59	3.05	4.88	6.63	2.75	3.47	4.223
December.....	4.98	3.35	5.84	5.12	3.96	3.19	4.13	3.58	3.66	2.39	4.020
TOTALS.....	27.34	33.22	40.31	38.12	36.31	28.32	35.15	35.37	28.91	29.81	33.286

C C C

RAINFALL AT *Loy, Graemsey Sound, East = High*

Lat. _____

Lon. _____

County of *Orkney*

Rain Gauge, by _____

Observer *Ed. of Northern Lights*

Diameter											
Height	<i>3.4</i>										
Altitude	<i>27?</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>2.77</i>	<i>1.37</i>	<i>4.10</i>	<i>3.24</i>	<i>5.61</i>	<i>2.33</i>	<i>5.04</i>	<i>3.54</i>	<i>3.03</i>	<i>2.95</i>	<i>3.404</i>
February	<i>3.19</i>	<i>3.48</i>	<i>3.68</i>	<i>3.55</i>	<i>1.48</i>	<i>3.26</i>	<i>1.68</i>	<i>2.19</i>	<i>2.41</i>	<i>4.70</i>	<i>2.962</i>
March	<i>2.55</i>	<i>3.23</i>	<i>6.87</i>	<i>2.01</i>	<i>3.01</i>	<i>2.82</i>	<i>1.30</i>	<i>.99</i>	<i>3.25</i>	<i>2.44</i>	<i>2.847</i>
April	<i>1.91</i>	<i>1.45</i>	<i>1.78</i>	<i>1.76</i>	<i>1.08</i>	<i>1.63</i>	<i>1.51</i>	<i>1.99</i>	<i>2.91</i>	<i>2.37</i>	<i>1.839</i>
May	<i>1.89</i>	<i>2.24</i>	<i>1.76</i>	<i>3.17</i>	<i>2.46</i>	<i>4.58</i>	<i>1.53</i>	<i>1.36</i>	<i>3.08</i>	<i>1.14</i>	<i>2.321</i>
June	<i>1.62</i>	<i>2.79</i>	<i>2.83</i>	<i>1.17</i>	<i>1.17</i>	<i>1.54</i>	<i>2.11</i>	<i>1.03</i>	<i>.95</i>	<i>.61</i>	<i>1.582</i>
July	<i>3.88</i>	<i>4.19</i>	<i>2.60</i>	<i>2.25</i>	<i>2.06</i>	<i>1.50</i>	<i>2.69</i>	<i>3.28</i>	<i>1.32</i>	<i>1.15</i>	<i>2.492</i>
August	<i>.81</i>	<i>2.24</i>	<i>3.47</i>	<i>3.60</i>	<i>1.93</i>	<i>1.83</i>	<i>2.23</i>	<i>2.34</i>	<i>2.84</i>	<i>4.42</i>	<i>2.571</i>
September	<i>3.71</i>	<i>1.09</i>	<i>3.68</i>	<i>3.58</i>	<i>1.69</i>	<i>3.64</i>	<i>1.70</i>	<i>4.06</i>	<i>1.82</i>	<i>2.71</i>	<i>2.768</i>
October	<i>4.52</i>	<i>3.83</i>	<i>2.87</i>	<i>4.20</i>	<i>5.04</i>	<i>5.22</i>	<i>2.02</i>	<i>2.63</i>	<i>5.03</i>	<i>3.30</i>	<i>3.866</i>
November	<i>4.03</i>	<i>2.85</i>	<i>6.00</i>	<i>5.42</i>	<i>4.45</i>	<i>2.58</i>	<i>3.45</i>	<i>4.44</i>	<i>6.04</i>	<i>3.40</i>	<i>4.266</i>
December	<i>4.41</i>	<i>5.20</i>	<i>5.02</i>	<i>4.12</i>	<i>5.33</i>	<i>4.02</i>	<i>5.57</i>	<i>4.88</i>	<i>2.85</i>	<i>3.80</i>	<i>4.520</i>
TOTALS	<i>35.29</i>	<i>33.96</i>	<i>44.72</i>	<i>38.07</i>	<i>35.31</i>	<i>34.95</i>	<i>30.83</i>	<i>32.73</i>	<i>35.53</i>	<i>32.99</i>	<i>35.438</i>

RAINFALL AT

Gloy Graemsey Sound East: High

Lat. _____

Lon. _____

County of _____

Orkney

Rain Gauge, by _____

Observer Board of Northern Lights

Diameter ....	...										
Height	3 4											
Altitude	27 ⁹											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	4.00	3.12	3.72	1.40	5.10	3.40	4.22	1.45	4.95	2.95		
February	1.45	1.85	2.35	2.90	3.60	.40	3.10	1.90	3.75	1.40		
March	4.40	3.23	.74	3.10	3.40	2.40	5.00	2.80	4.55	1.70		
April	1.43	.40	1.89	.60	.20	2.80	6.40	.90	2.70	1.85		
May	1.90	2.35	3.20	.90	2.00	.50	3.70	1.85	3.20	2.65		
June	3.31	1.55	2.51	.10	1.20	1.60	3.60	.70	1.85	1.65		
July	2.57	3.80	1.78	2.50	4.00	1.80	4.50	1.65	1.80	2.70		
August	3.06	3.17	2.40	1.60	3.10	1.50	5.00	1.30	2.65	1.95		
September	2.51	3.37	4.16	4.20	.50	1.59	6.30	4.05	4.80	1.43		
October	6.38	1.98	2.90	6.50	2.40	3.65	8.65	3.05	3.15	7.60		
November	6.05	2.66	2.00	6.90	2.20	1.75	3.70	2.40	5.60	6.10		
December ....	.84	3.28	1.60	3.90	4.30	4.24	3.80	2.00	6.45	5.05		
TOTALS	37.90	30.76	29.25	34.60	32.00	25.63	35.00 57.47	24.05	45.45	37.03	32.16	

1896 Unreliable — estimated from Graemsey
Sound West & Low

RAINFALL AT *Hoy Gurnsey Sound East High*

Lat.

Lon.

County of *Orkney*

Rain Gauge, by

Observer *Board of Northern Lights*

Diameter ..	...	5									
Height	3	4	0	4							
Altitude ..	27	?	17					115			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	5.65	3.68	3.82	4.32	3.84	4.49	5.35	4.40	3.94	4.23	4.372
February ..	2.30	3.70	2.99	6.40	3.67	4.41	5.10	2.80	4.84	2.15	3.836
March	1.45	2.08	4.69	4.34	2.31	3.25	3.23	2.63	5.48	2.05	3.151
April	1.35	2.37	1.52	4.00	5.67	3.21	2.59	1.94	1.79	1.58	2.602
May	2.05	2.12	2.22	1.15	1.81	.99	3.01	1.72	3.16	1.96	2.019
June .....	.40	3.01	1.82	2.23	1.72	1.23	.65	4.13	2.58	1.82	1.959
July	4.00	1.80	3.00	4.38	.89	2.28	3.13	2.16	1.31	2.22	2.517
August	2.15	4.27	3.24	5.57	2.97	3.65	2.94	4.62	2.26	3.58	3.525
September ..	4.70	1.64	2.99	3.45	3.81	3.94	2.05	.89	3.24	2.47	2.918
October	6.27	4.99	4.23	6.44	5.39	5.63	3.49	2.69	1.97	5.96	4.706
November ..	5.00	3.93	2.12	5.04	4.08	5.33	6.35	3.60	5.06	6.51	4.702
December ..	5.81	6.81	4.04	3.10	5.03	2.56	4.25	3.73	3.39	4.96	4.368
TOTALS ..	41.13	40.40	36.68	50.42	41.19	40.97	42.14	35.31	39.02	39.49	40.675

H.2

10

RAINFALL at Hoy, Orkney Sound, East = High low? 5820

County of Orkney

Observer Bd. of Northern Lights.

River Basin _____

Rain Gauge, by _____

Diameter ...	5										
Height	0 4										
Altitude ...	115										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	6.04	3.73	2.26	2.07	3.15	3.05	5.11	3.44	1.93	2.97	
February ...	2.83	4.23	3.04	1.88	3.73	2.77	2.58	1.39	3.98	1.34	
March	2.20	2.10	3.86	3.12	3.79	2.00	1.91	2.25	1.53	2.08	
April	4.33	3.16	3.22	2.05	1.66	2.46	2.01	2.45	1.17	2.52	
May	2.70	2.16	3.06	1.27	2.41	.47	1.52	1.38	1.33	.44	
June	1.11	3.00	.81	2.29	.92	.61	2.67	2.34	1.80	2.57	
July	1.91	2.14	1.46	.74	2.83	1.50	1.51	.91	4.52	.62	
August	3.40	1.85	3.68	.99	.80	.94	.88	1.80	3.02	5.00	
September ..	.90	3.91	1.37	2.09	3.26	2.63	1.89	3.46	4.83	3.52	
October ...	1.74	1.95	3.68	1.90	2.07	.88	11.01	6.12	2.92	2.07	
November ..	6.06	4.23	4.14	5.40	3.70	2.89	3.62	3.75	2.36	4.87	
December ...	2.91	4.24	5.35	4.52	3.48	5.18	3.57	3.70	4.31	5.84	
TOTALS ...	36.13	36.70	35.93	25.32	31.80	25.38	31.28	32.99	33.70	33.84	32.607

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

RAINFALL at Hoy, Graemsey Sound, High High.County of OrkneyObserver Board of Northern Lights

River Basin _____

Rain Gauge, by _____

Diameter ...	5"										
Height	0 4						1 4				
Altitude ...	115						40 29				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1920- MEANS.
January ...	3.48	4.09	2.26	3.92	3.46	3.39	3.97	1.92	6.00	1.25	3.13
February ...	5.20	1.03	2.02	2.84	3.27	4.21	2.80	1.97	3.92	.82	1.29
March	3.34	2.62	2.25	1.14	2.50	2.15	4.92	3.65	2.19	.38	2.53
April	1.65	1.08	2.09	2.69	2.10	2.70	1.19	4.53	1.66	2.10	1.62
May	3.51	1.65	2.83	2.47	1.57	2.01	1.05	1.83	1.78	2.47	2.95
June .....	.32	1.55	1.88	2.02	1.15	1.13	1.09	2.57	2.45	2.76	1.85
July	2.32	2.17	2.75	3.30	1.62	1.74	1.02	1.48	2.37	1.45	1.76
August .....	.80	2.24	2.44	3.74	4.01	1.27	2.14	1.01	1.12	4.31	5.54
September...	1.21	2.85	2.31	4.74	3.23	3.63	3.96	3.15	3.43	6.00	3.51
October .....	.62	3.01	1.75	6.97	3.22	4.24	7.27	4.72	4.23	6.64	5.50
November...	3.95	2.21	3.13	5.71	2.80	1.44	4.73	4.73	5.43	4.41	5.31
December...	2.70	4.33	4.26	4.66	3.87	2.72	4.18	.57	4.11	5.89	3.52
TOTALS...	29.10	28.83	29.97	44.23	32.30	30.63	38.32	30.13	36.99	38.48	38.51

Catchment 1926: 5 in centre of garden about 56 yds square + surrounded by wall 7 ft. high. "bleaching" 5 in. in diam + 16 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 Hoy (Graenoy Sound, ~~High~~ ¹⁰⁰⁰ High)County of OrkneyObserver Com'rs of N. Light-house

River Basin.....

Type of Gauge.....

Annual Average 35.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Summary
computed $\times 136$.

Diameter	5.										
Height	1.4.										
Altitude	40' #9.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.64	5.68	3.12	4.00	3.13	3.74	3.83	6.12	3.98	2.49	
February	5.94	.57	4.73	4.24	4.27	2.80	3.92	2.14	3.96	1.18	
March	1.64	2.78	2.92	3.00	2.45	1.44	2.00	2.71	2.48	3.68	
April	1.77	2.43	3.42	4.95	2.72	.33	.93	1.54	1.69	2.37	
May	4.47	1.90	0.88	2.34	.45	2.38	.36	2.27	.55	1.72	
June	3.07	.34	1.24	1.25	1.80	.63	2.94	4.35	1.88	1.67	
July	3.41	2.95	1.95	3.23	3.48	3.81	2.74	3.27	3.98	9.01	
August	.53	2.76	3.47	4.28	3.37	2.83	2.24	2.66	1.89	4.73	
September	.93	5.31	1.30	3.35	4.28	2.86	2.73	1.85	1.32	4.17	
October	4.83	4.32	3.41	5.11	4.91	4.67	2.36	6.92	2.67	3.03	
November	2.52	3.59	3.27	2.06	4.40	3.27	1.64	4.86	6.77	5.72	
December	4.25	3.07	1.98	4.23	2.94	4.94	1.83	1.66	4.12	3.99	
TOTALS	38.20 M.	35.70	31.69 X	42.04	38.50	32.70	24.52	40.35	35.29	43.76	

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile 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

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

Station No.

5820

RAINFALL at Hoy (Graeney Sand, High 3 High) 41

County of

Orkney

Observer

Comrs of N Lighthouse

River Basin

Type of Gauge

Annual Average 35.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Rawey

File No.

Diameter	5"				46 1/4	0.54					
Height	1' 4"					1					
Altitude	49' 29"					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.47	5.35	2.81	5.93	5.29	1.46	3.20	4.05	7.43	5.53	
February	3.27	3.55	5.05	3.50	4.22	3.87	(2.13)	3.19	(4.04)	3.56	
March	1.15	1.37	2.33	2.45	3.57	1.39	(2.55)	2.75	(3.42)	4.75	
April	1.77	1.39	4.25	2.68	2.57	1.85	3.08	1.87	(2.25)	4.06	
May	1.74	2.26	2.56	3.17	4.43	1.19	0.69	4.25	2.05	1.54	
June	1.42	1.41	1.24	3.14	1.71	2.74	(1.42)	1.62	1.23	3.92	
July	3.35	2.71	3.23	1.69	1.79	5.94	1.47	2.57	1.48	1.83	
August	4.14	2.15	3.04	1.35	1.85	1.31	0.05	2.67	2.32	2.54	
September	2.38	6.30	5.55	3.77	7.86	4.32	(5.37)	4.73	2.14	5.21	
October	2.46	5.73	3.82	4.14	2.84	0.73	2.89	8.02	2.42	3.99	
November	3.66	2.33	6.31	6.22	2.61	6.76	4.98	3.34	(3.68)	5.35	
December	4.87	5.19	3.60	4.61	5.16	4.40	4.04	5.23	(5.98)	4.62	
TOTALS	31.68	39.80	43.79	43.15	37.85	35.96	(31.62)	44.29	(38.44)	46.90	

1945 m.p. low. x/46 gauge is in order.

1946 m.p. low.

1947 m.p. much est. Feb. March June Sept. part est.

1947. m.p. in brackets adj. for spring m.p.

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

768054

Station No.

5826

RAINFALL at

Hoy (Greensay Sound, High)

51

County of

Orkney

Observer

Powers of N. Lighthouses

River Basin

Type of Gauge

Annual Average 35.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter ...	5"				468	054					
Height ...	1' 4"					1					
Altitude ...	250'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.09	4.28	5.24	2.51	2.20	4.89	5.04	5.40	6.00	3.04	
February ...	2.79	3.19	2.75	3.59	2.15	1.12	1.77	3.13	1.27	3.22	
March ...	4.08	4.59	1.72	2.30	1.61	1.33	4.98	2.69	1.38	1.27	
April ...	4.01	0.93	2.72	1.81	0.98	1.56	0.67	1.04	2.90	2.83	
May ...	0.38	2.65	2.11	2.26	1.55	2.29	1.33	3.74	2.45	1.22	
June ...	2.59	2.47	1.71	3.81	1.03	3.57	2.32	0.79	2.41	1.94	
July ...	4.39	1.80	3.34	2.69	0.43	3.27	2.92	1.24	3.76	1.67	
August ...	3.07	4.96	2.53	2.31	1.26	2.72	3.60	2.64	2.24	2.06	
September ...	1.60	3.84	3.91	5.30	4.72	3.68	3.22	2.08	1.46	2.01	
October ...	1.94	3.51	2.20	7.32	4.75	3.79	6.03	5.61	5.37	3.05	
November ...	6.74	(3.88)	4.93	6.32	1.63	3.44	3.93	2.11	4.55	3.06	
December ...	6.85	(3.42)	(2.54)	6.68	7.58	4.38	6.98	4.49	5.24	4.56	
TOTALS ...	41.53	39.52	35.70	46.90	29.88	36.04	42.79	34.96	39.05	29.93	
	M						M	M			

1953. Dec. part obs. M03

00034 00014

Air 34-02 band m2570 within 1426-58.6 in band. Rejected

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 310/2146

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

Summary of Earlier Records from 10-year Sheets :

JMS

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	1941-44 ✓ 1945-47 NP 1948-50 ✓	