

Holburnhead.

n L

60

Caitness

+ Ground 4 in

60 + Sea Level.

Thurs - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				4.25	.60	2.22	2.75	2.26	3.41	1.08	
February - -				1.70	4.05	2.37	5.26	2.53	4.32	4.14	
March - - -				2.70	.67	2.57	3.06	1.69	2.15	3.45	
April - - - -				1.29	.52	1.03	.99	3.57	2.52	2.47	
May - - - - -				1.85	1.15	.87	1.63	.83	1.03	.90	
June - - - - -				1.29	1.01	1.23	1.87	2.86	1.11	1.15	
July - - - - -				.90	.61	1.90	1.64	1.71	.68	1.75	
August - - -				3.16	.90	1.91	3.10	1.31	6.50	2.70	
September -			R	.90	4.33	1.36	2.21	2.98	4.85	1.55	5.70
October - - -				3.25	2.63	1.90	3.95	1.81	5.92	2.41	2.90
November - -				1.10	3.00	2.10	3.12	7.57	2.50	2.11	6.20
December - -				2.20	6.03	3.27	1.53	4.52	4.70	2.68	1.90
TOTALS -				33.13	18.14	24.91	37.18	34.73	30.47	34.34	

C C C C C C C C

L H not built till after 1861

RAINFALL AT *Thurso Hobburnhead*

Lat.....

Lon.....

County of *Caithness*

Rain Gauge, by.....

Observer

*B. S. J. Northern Lights**Thurso - 3.*

Diameter												
Height4											
Altitude .....60 [?]												
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.50	2.10	2.60	1.30	4.60	4.50	2.50	2.50	2.90	1.80	2.650	
February.....	.45	2.60	1.60	.50	.70	.90	2.30	2.50	.80	1.10	1.345	
March.....	.50	1.00	1.20	2.40	3.20	.40	4.10	1.40	4.00	1.10	2.015	
April.....	2.30	1.60	2.50	1.80	2.00	3.00	3.20	1.30	.10	2.30	2.013	
May	1.60	1.10	1.50	2.00	1.80	1.70	1.90	2.50	1.40	2.00	1.754	
June.....	.80	.20	3.00	1.60	1.90	.90	.80	2.60	.40	1.30	1.355	
July	1.20	3.90	2.40	1.40	2.00	3.60	1.90	2.40	2.80	2.90	2.455	
August.....	1.30	2.90	2.10	3.30	3.70	1.90	1.50	3.20	1.00	5.10	2.604	
September.....	3.35	1.70	4.00	4.90	2.30	2.10	1.50	.90	4.50	1.50	2.675	
October.....	1.90	1.50	5.50	6.40	4.20	2.80	2.80	3.20	3.80	3.10	3.525	
November.....	3.03	2.00	3.70	4.70	2.50	3.50	2.80	5.10	3.00	2.20	3.253	
December.....	4.04	1.90	5.10	3.40	2.20	2.30	4.60	3.10	5.70	1.80	3.414	
TOTALS	21.97	23.30	35.20	33.90	31.10	27.60	29.90	30.70	30.40	26.20	29.027	

C C C

RAINFALL AT *Thurso, Holburnhead*

Lat. _____

Lon. _____

County of *Caithness*

Rain Gauge, by _____

Observer *Ed. of Northern Lights**Thurso - 3.*

Diameter	3										
Height	0.8										
Altitude	60?										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.70	.40	3.30	2.10	3.60	1.40	3.60	2.30	1.80	2.20	2.240
February	3.20	2.50	2.40	2.60	.60	1.90	1.50	2.00	2.30	5.70	2.470
March	1.20	2.90	4.20	2.00	2.40	1.70	.90	.60	2.10	1.70	1.970
April .....	.90	.90	1.20	1.00	.40	1.00	1.70	2.80	2.30	2.50	1.470
May	1.50	1.40	1.50	2.10	2.20	1.10	1.80	1.60	2.60	.40	1.620
June	1.60	2.30	3.30	.90	1.20	1.70	2.40	.90	1.30	.90	1.650
July	3.50	2.90	3.00	2.50	1.20	1.40	2.00	1.90	1.90	1.90	2.220
August .....	.40	1.90	2.90	2.30	4.90	1.90	.60	2.00	1.90	4.30	2.310
September	3.70	1.20	4.00	3.10	.50	2.40	1.20	1.90	1.20	2.40	2.160
October	3.80	3.20	1.70	4.00	6.80	3.70	1.20	1.30	4.50	2.90	3.310
November	2.80	1.20	5.10	3.40	3.80	1.60	2.70	2.30	3.30	2.50	2.870
December	5.60	2.90	4.10	5.60	2.90	3.20	4.40	4.90	1.70	2.80	3.810
TOTALS	29.90	23.70	36.70	31.60	30.50	23.00	24.00	24.50	26.90	30.20	28.100

28116

RAINFALL AT *Thurso Holburnhead*

Lat. _____

Lon. _____

County of *Caithness*

Rain Gauge, by _____

Observer *Board of Northern Lights**Thurso - 3.*

Diameter . . .	3											
Height	0 8											
Altitude	60 ?											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.80	1.10	5.20	2.20	3.30	3.70	3.90	2.60	3.40	5.35	3.255	1
February . . . .	.80	2.20	3.20	1.90	3.70	.70	1.40	1.30	4.40	1.60	2.120	
March	3.50	3.70	.60	1.20	1.30	3.50	4.80	5.20	3.90	2.50	3.020	
April	1.20	.20	1.20	1.20	10	2.20	3.20	1.00	3.50	3.80	1.760	
May	1.00	2.50	1.70	1.40	2.50	.50	1.80	1.30	4.10	3.80	2.060	
June	2.70	1.10	2.20	.90	1.60	1.50	2.40	.80	3.90	1.90	1.900	
July	3.70	5.00	2.20	3.80	5.30	1.90	3.40	2.20	2.50	3.00	3.300	
August	4.10	4.20	3.00	2.80	4.20	3.50	3.90	1.80	4.50	1.20	3.320	
September . . .	2.00	1.90	1.60	5.40	.40	2.30	4.60	4.80	4.20	4.70	3.190	
October	6.30	.80	6.20	6.40	4.10	6.20	4.10	2.90	3.60	3.70	4.430	
November	3.70	2.20	2.40	10.10	1.30	2.50	3.20	3.90	7.60	2.80	3.970	
December	1.30	2.60	2.70	2.90	4.70	5.10	4.90	3.90	7.70	4.70	4.050	
TOTALS	33.10	27.50	32.20	40.20	32.50	33.60	41.60	31.70	53.30	39.05	26.475	1

18.70 -

RAINFALL AT *Thurso Holburnhead*

Lat.

Lon.

County of *Cairness*

Rain Gauge, by

Observer *Board of Northern Lights**Thurso TC - 3.*

Diameter ..	3										
Height	0 8										
Altitude ..	60 ?							75			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.50	1.80	3.20	3.40	2.57	2.48	1.99	4.83	3.34	3.28	3039
February ..	2.30	3.80	1.10	6.40	7.19	4.42	5.50	2.74	4.99	1.86	4030
March	2.50	2.20	3.60	1.70	.95	2.09	1.95	2.41	3.40	1.68	2248
April	3.40	3.00	1.10	3.60	7.03	2.72	1.66	1.72	2.23	2.68	2914
May	1.90	1.40	1.50	1.60	1.43	2.01	2.69	1.30	1.84	2.05	1772
June .....	.40	3.50	3.00	1.50	1.12	.58	1.42	4.43	1.63	1.79	1937
July	4.60	1.80	6.10	3.50	1.06	2.14	1.96	1.40	1.24	1.61	2491
August ....	.90	4.30	3.20	4.65	2.86	3.05	2.53	4.84	2.13	3.33	3179
September ..	2.30	1.60	4.20	2.55	3.29	2.37	1.58	.85	4.73	1.87	2534
October	5.20	4.30	2.10	7.22	3.29	3.96	2.08	1.53	1.03	3.18	3389
November ..	4.90	4.30	1.20	7.22	3.99	3.84	4.85	1.61	4.29	5.50	4170
December ..	3.80	7.20	5.50	1.61	4.86	1.58	5.93	2.97	1.40	2.30	3705
TOTALS ..	35.70	38.70	35.80	44.95	39.64	31.24	34.14	30.53	32.25	31.13	35408

RAINFALL at Thurso, Holburn HeadCounty of Gaithness Observer Ed. of Northern LightsRiver Basin Thurso &c. 3.

Rain Gauge, by _____

Diameter ...	3										
Height	0 8										
Altitude ...	75?										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.56	2.10	2.28	1.28	3.07	1.76	2.99	3.30	1.10	2.85	
February ...	2.34	3.76	2.07	1.42	3.56	2.42	1.21	.89	1.51	1.26	
March	2.16	2.52	3.75	2.63	3.75	2.42	1.79	2.55	1.63	2.10	
April	3.42	2.46	3.20	1.31	2.42	1.92	1.53	2.20	.70	4.30	
May	1.58	1.29	3.04	1.94	3.24	.86	(2.50)	.89	.81	.15	
June .....	.90	2.62	.59	1.99	1.34	.56	3.22	2.73	3.15	1.11	
July	1.30	1.92	1.61	1.16	3.34	2.65	1.34	.80	7.83	.39	
August	3.18	.82	4.56	1.07	1.07	1.56	1.50	2.43	3.00	5.22	
September ..	.88	2.89	1.78	2.52	2.36	7.52	1.77	3.04	2.12	6.70	
October ...	1.62	2.03	2.72	1.90	2.06	2.67	4.06	4.44	.78	3.28	
November ..	5.52	3.57	3.77	3.73	3.67	4.16	2.58	4.89	1.47	6.55	
December ...	3.29	3.73	2.76	5.72	2.81	7.74	2.02	1.68	3.54	4.93	
TOTALS ...	31.75	29.71	32.13	26.67	32.69	36.24	(26.51)	29.54	27.64	39.14	31202

1916 may est.

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

RAINFALL at Thurso, Holburn HeadCounty of CaithnessObserver Board of Northern LightsRiver Basin Thurso & C. 3.

Rain Gauge, by _____

Diameter ...	3						5					
Height	0.8						0.9					
Altitude ...	75						68					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	3.36	4.92	4.06	3.45	2.48	2.10	1.78	2.36	2.45	.81	.69	
February ...	1.68	1.06	.89	2.26	2.10	3.66	1.32	1.45	1.09	.25	.53	
March	2.63	1.60	1.40	.39	2.29	2.76	3.14	1.60	.38	.43	.31	
April	1.68	1.09	2.43	2.00	1.20	2.24	1.88	3.24	.76	1.01	.44	
May	1.88	2.25	.65	3.11	1.69	2.01	1.63	1.41	.52	.79	.36	
June	1.40	.92	2.44	2.56	1.69	1.04	1.41	3.32	1.63	1.86	.89	
July	1.41	1.97	2.36	2.40	2.94	2.98	1.37	.49	1.46	.43	1.10	
August	1.78	3.34	2.39	3.70	3.16	1.72	2.81	.78	1.68	3.04	.85	
September...	3.83	3.60	2.23	5.40	4.90	4.49	3.26	2.62	2.82	3.55	.99	
October	1.52	3.13	1.80	6.05	1.94	4.09	4.89	4.69	1.88	4.92	4.51	
November...	2.79	1.60	3.37	4.58	1.68	3.54	1.76	2.69	2.60	1.77	3.05	
December...	1.83	4.76	2.44	4.19	1.31	2.93	3.47	.48	1.47	5.85	1.53	
TOTALS...	25.79	30.34	26.46	40.09	27.38	33.56	28.72	25.13	18.94	24.71	19.23? r.p.	

Catechism 1926. S. on fairly level ground from E & W, but falls from N to S about 1 in 10. Wall 38 ft. W 53 ft. high. Sundial 7 ft. W 4 ft. high. Flagpole 17 ft. ENE 30 ft. high. Slab 3.5 in. in diam. from 8 in. above ground.

1929. Probably 8 in. too low.

1930. Low up.

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 Shurso (Hollburn Head)County of CaithnessObserver Com'r of N. Lighthouses.River Basin B. Shurso & c.,

Type of Gauge

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

Diameter	5.										
Height	0. 8.										
Altitude	68.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.19	1.07	2.02	4.87	3.25	1.30	3.92	3.90	3.53		
February	.87	3.82	2.57	2.94	1.78	.48	2.57	1.95	.66		
March	.88	1.45	2.63	2.55	1.15	3.28	3.10	2.66	3.88		
April	3.43	1.37	5.19	2.32	1.51	.63	1.26	1.16	2.52		
May	2.21	0.88	2.21	.88	1.68	.85	2.28	5.44	1.28		
June	.55	1.10	1.69	1.91	.73	2.71	3.65	1.28	.73		
July	2.79	3.33	3.87	1.97	5.17	2.49	4.47	4.07	2.94		
August	3.46	4.58	4.77	4.68	3.24	2.45	1.93	2.92	2.13		
September	4.84	0.97	1.74	4.09	2.31	1.81	2.52	1.47	1.72		
October	4.18	2.63	5.94	5.21	4.12	2.06	5.16	2.24	1.68		
November	3.31	3.88	2.63	3.15	2.56	2.09	3.15	3.46	2.39		
December	1.68	0.80	3.05	2.73	3.42	1.80	1.55	4.88	1.54		
TOTALS	32.00	31.89	25.88	38.31	37.30	30.92	21.95 np low	35.58	30.53	25.00 np low	

1931. Record returned to W. Edinburgh. 15" low
 1932. Probably 4" too low but published.

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.

Station No.

5813

RAINFALL at

Thurso (Holburn Head)

41

County of

Caithness

Observer

Comdr. of N. Lighthouses.

River Basin

3-Thurso & C.

Type of Gauge

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

File No.

Diameter	5"				756	117					
Height	0' 8"					1					
Altitude	68'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.51	1.69	2.16	3.97	1.06	1.06	(3.00)	3.01	5.19	3.85	
February	1.50	1.03	3.18	1.91	2.41	2.66	(2.18)	2.26	2.13	3.06	
March	0.72	1.26	1.32	3.73	1.15	2.13	(2.44)	1.34	3.28	2.34	
April	0.60	.64	2.28	1.85	2.06	2.11	2.53	1.77	2.08	3.54	
May	0.86	1.55	1.47	2.32	2.07	0.81	1.34	1.18	2.22	.67	
June	0.33	1.62	1.38	3.56	2.11	1.90	1.47	1.99	1.16	3.59	
July	0.58	3.59	3.03	1.66	2.66	(4.07)	1.76	2.42	1.45	3.80	
August	3.77	1.17	3.72	2.12	2.30	(2.22)	0.00	3.70	4.46	1.77	
September	1.48	2.98	3.25	3.07	2.63	3.44	(4.75)	3.69	3.07	7.70	
October	4.22	4.30	2.38	2.77	3.11	0.71	2.11	6.34	1.71	2.62	
November	2.43	2.07	5.52	5.49	1.66	3.09	5.01	2.32	2.89	3.77	
December	1.86	4.27	2.56	3.92	4.67	2.54	4.29	3.95	6.01	4.25	
TOTALS	20.86	26.17	32.25	36.27	27.89	26.74	(30.88)	33.97	35.65	40.96	

1941 n.p. low.
 1942 n.p. low.
 1944 n.p. low.
 1945 n.p. low.

x/46 Extract from letter from N.H. Bd.:- Gauge sound - moved to centre of garden where it should be more open.
 1946. Gauge in order.
 1947 Jan. Feb. Mar. Sept. Oct. Nov. Dec. app. 11036.

00600 40104

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. 5813

RAINFALL at Thurso (Holbourn Head)

51

County of Caithness

Observer Lowrie J. N. Lighthouses

River Basin 3 - Thurso & C

Type of Gauge Snowdon (old type)

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

File No.

Diameter ...	5"					756	117				
Height ...	0' 8"				0' 7"		1				
Altitude ...	68'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.47	4.23	4.41	2.48	(3.33)	4.18	3.83	2.80	5.02	2.21	
February ...	4.72	2.86	1.69	2.59	(2.71)	1.95	1.08	2.16	0.76	1.81	
March ...	3.86	2.41	1.46	1.94	(1.69)	0.51	2.94	1.36	1.65	.60	
April ...	2.39	0.64	2.72	1.39	1.77	1.39	0.93	1.16	1.70	.59	
May ...	0.52	2.14	2.38	2.02	3.38	1.52	1.20	3.41	1.88	.41	
June ...	1.62	2.30	1.10	3.29	1.24	2.67	2.14	1.06	2.00	.68	
July ...	4.22	1.91	4.86	3.24	0.62	3.77	4.39	1.30	2.21	1.84	
August ...	2.83	2.70	3.20	1.78	1.27	3.06	3.26	3.73	2.14	3.47	
September ...	0.88	3.66	2.73	3.89	4.04	1.70	3.22	1.17	0.73	1.36	
October ...	2.00	2.72	0.74	6.31	6.48	3.35	4.20	3.36	4.19	2.56	
November ...	4.31	4.24	3.58	4.12	2.42	3.72	2.79	2.22	2.72	2.74	
December ...	3.09	3.22	2.61	5.25	6.09	4.35	3.86	2.28	1.34	2.27	
TOTALS ...	32.91	33.03	31.48	38.30	33.04	32.17	33.84	21.41	26.34	20.54	
								np (as)	np	np	

In June 1956 G. has shallow funnel & no brass rim. No delivery tube. Leak between funnel & outer wall. To be repaired but new gauge needed. O/E to south. Recommend move to NE behind ridge. Shelter from W & S but now exposed to E. Best site available. Measure inaccurate below .07 in.

In 10.6.59 G. poor - cracked no rim - leaking. G. was moved to site chosen in 1956 but still o/e E

1959 n.p. low.

1960 n.p. low.

70004

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 39107708

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
	✓	✓	1932-40 27940 np.	1941-42 np 1943 1944-45 np 1946-50	