

RAINFALL AT *Lewick*

Lat.

Lon.

County of *Shetland*

Rain Gauge, by

Observer *Capt G. Allison*

Dr Gordon J. R. S.
Sec. Med. Soc.

Diameter ..								5			
Height								1.0			
Altitude ..		30									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			4.24	5.07	5.43	5.43	4.15	4.93	3.55	4.22	
February ..			2.13	4.97	3.85	3.44	5.59	3.67	3.86	1.26	
March			4.70	5.82	3.12	2.81	3.16	3.21	2.90	2.28	
April			2.35	2.62	4.99	3.46	2.57	1.93	1.51	1.82	
May			2.32	.82	2.55	1.58	3.45	1.49	2.28	1.90	
June			2.74	2.37	1.57	.98	1.26	3.05	1.88	1.14	
July			1.78	2.23	1.23	2.68	3.56	1.11	1.53	2.63	
August			2.33	3.07	2.91	3.50	3.47	4.09	2.17	1.86	
September ..		3.06	1.94	3.80	2.06	2.12	2.79	2.75	2.59	1.51	
October		4.79	2.99	6.59	4.59	4.38	4.43	3.35	.96	4.22	
November ..		2.85	2.11	3.85	4.14	4.10	3.15	4.51	4.13	4.35	
December ..		6.18	5.28	3.83	5.55	2.85	4.72	3.21	3.32	5.32	
TOTALS ..			34.91	45.04	41.99	37.32	42.30	37.40	30.68	32.51	

RAINFALL at

Lerwick

County of

Shetland

Observer

Capt. G. Allison

River Basin

Rain Gauge, by

Diameter ...	5											
Height	1 0											
Altitude ...	30											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	6.18	5.70										
February ...	3.79	4.34										
March	2.84	2.81										
April	5.09	3.00										
May	2.62	1.93										
June	1.40	2.70										
July	1.03	1.73										
August	3.91	3.11										
September ..	2.12	3.25										
October ...	1.94	1.53										
November ..	7.83	5.46										
December ...	5.38	7.24										
TOTALS ...	44.13	42.80										

D D

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

RAINFALL at Lerwick ObservatoryCounty of ShetlandObserver Air Ministry

River Basin _____

Rain Gauge, by _____

Lerwick Observatory will continue to use form 3, up to 94-94 for British Rainfall see Min 20 f 83412/28

	Diameter ...			8								
	Height			1.0								
	Altitude ...			269								
	Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
1916 -19	January ...	(565)	(569)	(392)	5.48	3.69	4.44	4.53	5.60	6.00	2.56	550
16	February ...	(606)	(355)	(334)	4.58	3.27	5.21	3.90	2.76	4.13	.82	145
846	March	(626)	(559)	(246)	1.02	2.47	2.27	4.85	4.11	2.68	.91	268
1457	April	(206)	(205)	(227)	2.22	3.98	2.76	1.73	5.87	1.89	1.27	197
1064	May	(308)	(303)	(368)	3.89	3.36	2.38	2.76	1.77	1.55	1.71	148
680	June	(178)	(135)	(156)	2.06	2.32	1.29	1.42	3.13	3.38	2.47	246
794	July	(359)	(213)	(416)	1.87	3.79	1.66	1.26	2.03	2.13	1.17	293
540	August	(130)	(165)	4.58	4.09	2.06	2.28	4.32	1.18	3.47	4.42	417
779	September...	(244)	(290)	4.30	4.64	4.39	3.76	4.56	3.94	2.57	4.05	296
1924	October	(144)	(525)	(190)	4.51	3.24	4.42	3.57	3.99	5.57	7.77	499
2586	November...	588	(338)	(498)	6.64	2.68	2.03	4.59	5.60	5.30	6.11	445
2013	December...	(397)	(570)	(392)	4.38	6.63	3.02	4.34	1.27	5.23	6.94	482
1695	TOTALS...	(4151)	(4227)	(4113)	45.38	41.88	35.52	41.83	41.25	43.90	40.20	40.06
16070					D	D	D	D	D	D	D	D

Values have been computed for Lerwick Observatory for each month and year 1901-1922 inclusive, and are contained in Branch Folder No. M.O.3/20. (Climate Broadcast Averages)

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
1923	60° 9' 10"	11'	Aberdeen					

RAINFALL at Lewick (Observatory) (+A)

M.W.R.

County of ShetlandObserver Meteorological Office

River Basin

Meteorological Office

Type of Gauge

Meteorological OfficeAnnual Average 38.1 in. based on 9 years obs. ~~un~~ weighted. Period of average 1881-1915 Ref. A.W. Chart

Diameter	8											
Height	1.0											
Altitude	269											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	4.25	4.36	5.35	5.12	3.48	4.38	5.87	6.08	5.42	1.57	4.588	
February	5.45	.81	3.03	3.39	4.60	3.56	4.00	2.40	3.57	2.21	3.302	
March	4.72	3.20	3.33	3.31	3.76	2.44	2.73	3.99	3.01	4.96	3.145	
April	2.79	3.80	2.53	3.28	2.22	1.46	1.68	1.56	2.70	4.40	2.642	
May	2.66	1.70	0.81	3.37	.95	1.08	2.17	4.26	1.09	1.65	1.974	
June	2.15	1.50	1.16	1.37	2.05	1.01	4.63	4.13	1.62	1.13	2.075	
July	3.66	2.97	1.69	2.14	5.65	4.39	1.91	2.82	3.67	1.65	3.065	
August	.37	3.40	3.39	3.51	4.29	2.48	1.87	1.61	2.46	3.99	2.787	
September	1.21	5.36	2.38	4.15	4.79	2.27	2.65	2.41	1.26	4.73	3.121	
October	3.44	3.96	4.87	6.10	6.52	4.24	3.61	6.91	2.12	2.49	4.426	
November	5.40	3.63	3.54	3.03	3.68	2.98	2.43	6.20	5.04	5.50	4.143	
December	5.46	2.87	2.50	5.09	6.06	4.15	3.46	4.82	2.47	3.69	4.087	
TOTALS	37.56	37.56	34.08	43.86	49.05	34.44	37.31	47.19	34.93	37.97	39.348	

97

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.

RAINFALL at Lerwick Observatory (+A) Station No. 5831 41
 County of Shetland Observer Meteorological Office
 River Basin
 Type of Gauge

Annual Average 28.1 in. based on 9 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. A.W. Sheet

File No.

Diameter	8"				763	887				5"	
Height	1' 0"					3					
Altitude	269'		7			41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.12	4.94	4.16	4.57	3.69	4.73	3.77	4.79	6.50	4.14	42.41
February	3.52	2.06	4.16	2.79	4.19	3.70	2.67	3.54	3.57	5.09	3529
March	1.56	2.24	2.96	2.43	2.76	3.27	1.94	2.68	3.52	3.36	2672
April	1.56	1.26	3.82	2.65	3.52	3.54	4.24	3.01	3.25	2.71	2956
May	1.74	3.52	3.21	2.71	4.32	1.03	.60	1.85	1.39	1.40	21.77
June	1.02	2.28	1.13	2.69	2.07	4.27	2.41	1.90	1.11	4.01	2289
July	2.49	2.68	3.30	1.98	1.88	3.56	1.56	3.22	1.69	3.49	2585
August	2.20	2.54	3.99	1.85	3.09	4.46	.03	2.17	2.38	4.37	2728
September	2.53	4.83	4.59	2.49	2.90	4.05	4.89	5.64	2.79	5.58	4029
October	2.74	5.72	3.16	4.41	3.57	1.15	2.61	5.79	4.45	6.13	3973
November	5.59	3.28	5.11	4.56	3.00	5.82	5.32	4.39	6.67	4.98	4872
December	5.06	5.51	3.22	4.61	4.56	5.91	3.70	5.74	5.81	3.27	4739
TOTALS	31.13	40.86	42.81	37.74	39.55	45.49	33.74	44.72	43.33	48.53	4079.0

1949. Change to 5-in. g. in Oct.

357.37

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

BRITISH RAINFALL ORGANIZATION

Station No. 5831

HWR
51RAINFALL at Lewick Observatory (+ A)County of ShetlandObserver Meteorological Office

River Basin

Type of Gauge

Annual Average 38.1 in. based on 9 years obs. unweighted. Period of average 1887 - 1915 Ref. AWS40.49 " " " 35 " " " 1916-1950File No. 1916-1950

P

Diameter	...	5 1/4"				3/8	887					
Height	...	1' 0"					3					
Altitude	...	269'					51					
Year	...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	...	5.19	4.64	4.20	3.74	3.38	5.21	5.25	5.61	3.78	2.20	4.36 43.20
February	...	5.66	2.05	4.04	5.43	3.62	1.32	4.37	2.31	1.24	5.20	3.46 34.64
March	...	2.46	6.15	1.82	2.63	1.56	2.30	4.37	1.65	1.61	.85	2.54 25.40
April	...	4.40	1.78	2.89	2.14	2.98	1.66	2.29	1.63	3.01	2.91	2.57 25.69
May	...	0.30	3.83	1.91	1.41	2.00	2.60	2.42	3.42	1.67	1.52	2.14 21.38
June	...	1.40	3.66	0.71	4.69	1.85	2.45	2.53	.66	2.70	2.78	2.34 23.43
July	...	2.92 3.95	1.82	5.00	3.16	0.83	3.85	2.95	3.65	2.28	1.35	2.89 28.86
August	...	5.33	5.36	4.60	2.69	0.89	2.67	3.17	3.45	2.06	1.03	3.09 30.95
September	...	2.58	4.03	3.32	6.41	3.71	2.39	4.19	4.46	1.83	2.98	3.54 35.40
October	...	2.48	3.75	3.51	5.17	4.78	4.89	6.28	4.79	3.81	2.96	4.24 42.42
November	...	5.99	2.88	6.79	6.05	2.26	3.61	4.12	2.70	5.61	5.02	4.50 45.03
December	...	6.95	5.79	5.03	6.13	4.86	5.57	4.73	3.93	7.26	4.63	5.27 54.68
TOTALS	...	46.71 46.70 D	45.74 D	43.82 D	49.65 D	32.12 D	38.02 D	46.67 D	38.76 D	36.16 D	33.43 D	41.10 411.08

1951. Comm by Edinburgh, Dec. 1953.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 4110 454396

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

Summary of Earlier Records from 10-year Sheets :

(left - 22. cph values already for 1916-1950, (1916) P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C 1923	✓	✓ D	
		✓	✓	✓	

Station No. 5831/1RAINFALL at Lenwick Observatory (Lung Wall)

51

County of Sketland Observer M.O.

River Basin.....

Type of Gauge.....

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

File No.....

Diameter ...				763	886			5"			
Height ...					3			1' 0"			
Altitude ...					51			269'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...								-100	4.62	2.74	
February ...									1.66	6.17	
March ...									1.76	1.09	
April ...									3.21	3.11	
May ...									1.57	1.61	
June ...									2.89	2.95	
July ...								-100	2.42	1.41	
August ...								3.69	2.37	1.16	
September ...								4.61	1.45	3.12	
October ...								5.17	3.95	3.07	
November ...								3.01	5.86	5.20	
December ...								4.30	7.76	4.86	
TOTALS ...								-100 inc	39.52 D.	36.49 D.A.P.	

1958 7/1 inc. S Lung Wall,

1960 n.p. check

Position of Station on Ordnance One-Inch map : No. of Map.....3..... National Grid Reference 41/454396

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
C 1958.					

Air Ministry, Meteorological Office

RAINFALL at

Lemisk Observatory (Sheltered Gauge)

Station No. 5831/11

County of Shetland.

Observer Meteorological Office.

River Basin

Type of Gauge

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

Ref.

File No.

Diameter ...	5"			763	877						
Height ...	1'				3						
Altitude ...	248'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...						6.22	7.13	7.13	6.43	2.73	
February ...						1.77	5.03	2.55	1.94	17.08	
March ...						2.63	4.68	1.40	1.84	1.09	
April ...						2.16	2.89	1.99	3.39	3.52	
May ...						3.13	2.63	4.26	1.66	1.68	
June ...						2.64	2.53	0.61	3.15	2.96	
July ...						4.11	3.06	3.66	2.57	1.39	
August ...						2.55	3.72	4.13	2.61	1.13	
September ...						2.63	4.91	4.77	1.71	3.43	
October ...						6.28	7.43	5.71	4.26	2.92	
November ...						4.81	4.81	3.50	6.32	5.37	
December ...						6.37	6.26	4.68	8.12	5.66	
TOTALS ...						45.85	55.58	44.39	44.05	48.96	
						2.4	2.4	1.1	1.1	1.1	

1956-7 back records entered by W.B.P.

1958. print

1960 a.p. check.

Position of Station on Ordnance One-Inch map:

No. of Map

National Grid Reference 41/452378

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

RAINFALL at Lerwick Observatory

+A

County of ShetlandObserver The Meteorological Office

River Basin.....

Type of Gauge.....

Annual Average 38.1 in. based on 40.43 (1916-56) years obs. un-weighted. Period of average..... Ref.....File No. 111

Diameter ...	8 1/2"										
Height ...	1'										
Altitude ...	269'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.19	4.64	4.20	3.74	3.38	5.21	5.25	5.01	3.48	2.20	
February ...	5.66	2.05	4.04	5.43	3.02	1.32	4.37	2.31	1.24	5.20	
March ...	2.46	6.15	1.82	2.63	1.50	2.30	4.37	1.65	1.01	1.85	
April ...	4.40	1.78	2.89	2.12 ^{NS}	2.98	1.66	2.29	1.63	3.01	2.9	
May ...	3.0	3.83	1.91	1.41	2.00	2.60	2.42	3.92	1.47	1.52	
June ...	1.40	3.66	.71	4.69	1.85	2.45	2.53	1.66	2.40	2.49	
July ...	3.97	1.82	5.00	3.16	.83	3.85	2.95	3.65	2.28	1.35	
August ...	5.33	5.36	4.60	2.69	.89	2.37	3.17	3.45	2.06	1.03	
September ...	2.58	4.03	3.32	6.41	3.71	2.39	4.19	4.46	1.33	2.98	
October ...	2.48	3.75	3.51	5.17	4.78	4.89	6.28	4.49	3.81	2.97	
November ...	5.99	2.88	6.79	6.05	2.26	3.61	4.12	2.40	5.61	5.62	
December ...	6.95	5.79	5.03	6.13	4.86	5.37	4.73	3.93	4.26	4.63	
TOTALS ...	46.78 ¹	45.74 ²	43.82 ³	49.65 ⁴	32.12 ⁵	38.02 ⁶	46.67 ⁷	38.46 ⁸	32.16 ⁹	32.43 ¹⁰	
	D	D	D	D	D	D	D	D	D	D	

* In from 1947 'late' 5" gauge

453397

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference Mill/Hill 111

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

Form 1903

Air Ministry, Meteorological Office

Station No.

5831/1

RAINFALL at LERWICK OBSERVATORY (Turf wall above tide level)County of SHELVANDObserver, THE METEOROLOGICAL OFFICE

River Basin

Type of Gauge

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

File No. L. 14

Diameter ...									5"		
Height ...											
Altitude ...									269'		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...									4.62	2.44	
February ...									1.66	6.14	
March ...									1.46	1.04	
April ...									3.21	3.11	
May ...									1.57	1.61	
June ...									2.89	2.95	
July ...									Imp. 2.42	1.41	
August ...									3.69	2.37	1.16
September ...									4.01	1.45	3.12
October ...									5.14	3.95	3.04
November ...									3.01	5.86	5.20
December ...									4.30	7.46	4.26
TOTALS ...									Imp. 39.52	36.49	

1960 a.p. check

453397

Position of Station on Ordnance One-Inch map:

No. of Map

National Grid Reference

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

A.S.P. Form 1903

Air Ministry, Meteorological Office

463844

Station No. 5831/11

RAINFALL at LERWICK OBSERVATORY (SHELTERED GAUGE)

County of SHETLANDObserver The Meteorological Office

River Basin

Type of Gauge Monthly

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

Ref.

File No. L. 14

51

Diameter ...						5"	5"	5"			
Height ...						1'	1'	1'			
Altitude ...						248'	248'	248'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...						6.22	7.13	7.13	6.23	2.73	
February ...						1.77	5.03	2.55	1.94	1.08	
March ...						2.63	4.68	1.90	1.89	1.13	
April ...						2.16	2.83	1.99	3.39	3.52	
May ...						3.13	2.63	4.26	1.66	1.68	
June ...						2.69	2.53	.61	3.15	2.96	
July ...						4.11	3.00	3.66	2.57	1.39	
August ...						2.55	3.72	4.13	2.61	1.13	
September ...						2.63	4.91	4.77	1.71	3.13	
October ...						6.23	7.93	5.41	4.26	2.92	
November ...						4.81	4.81	3.50	6.32	5.34	
December ...						6.81	6.20	4.68	8.12	5.66	
TOTALS ...						45.95	55.59	44.89	44.05	19.00	

* Drifting snow probably not too high }
 60" snow likely to be making 38 50 }
 for the year.
 1960 A.P. checked

Position of Station on Ordnance One-Inch map:

No. of Map

National Grid Reference 41/452398

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