

RAINFALL AT *Duns, Manderston*

Lat.

Lon.

County of *Berwick*

Rain Gauge, by

Observer *Mr J Hamilton*
Mrs J Marshall

Duns, Whiteadder - 41.

Diameter ..		8									
Height		16	2.0								
Altitude ..		220?			356						
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.61	1.56	1.42	3.91	2.21	.25	2.11	.97	(2.86)	1.38	2.028
February ..	5.74	1.94	1.42	2.93	2.93	.94	1.04	1.79	1.28	2.20	2.251
March	2.69	1.63	.65	2.09	1.94	2.36	2.13	1.68	5.17	7.16	2.750
April	1.45	1.25	1.88	1.36	1.33	3.00	1.46	1.41	1.93	4.30	1.937
May	1.16	2.32	3.05	1.35	2.83	.97	7.25	2.87	3.34	2.13	2.727
June	3.71	1.28	2.61	1.99	1.88	.34	1.71	4.83	1.79	1.55	2.169
July	2.54	1.35	1.64	5.14	2.10	1.95	1.82	1.62	3.74	2.36	2.424
August	6.11	3.43	1.35	3.77	2.64	3.64	5.53	2.17	1.40	2.13	3.217
September ..	1.76	.96	1.17	2.48	1.00	3.00	.61	1.27	2.91	2.55	1.771
October	5.61	1.50	1.87	7.06	.75	3.72	6.55	7.17	3.20	3.63	4.106
November ..	5.10	3.60	1.70	1.37	1.89	4.49	3.33	2.40	1.36	.80	2.604
December ..	3.30	3.40	4.12	1.69	2.45	.72	2.41	3.60	.81	4.23	2.673
TOTALS ..	42.78	24.22	22.88	35.14	23.95	25.36	35.95	31.78	29.79	34.42	30.627

1901 Duns Church ^{1 1/2} 2 1/2 Miles W
 Trees 70 to 80 ft high 150 ft W + N
 1905 Duns Station 1 1/4 mile ENE
 1906 Duns Station 2 miles SW

RAINFALL at

Duns, Manderston

County of

Berwick

Observer

Mr. F. J. Marshall

River Basin

Weed-leift bank trib. 4.

Rain Gauge, by

Diameter ...	8			5							
Height	1	6									
Altitude ...	356	7									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	239	1.55	2.68	3.07	1.33	2.24	4.30	3.39	3.34	3.68	2777
February ...	3.05	1.44	3.02	.95	1.63	3.62	3.65	1.00	2.12	2.85	2333
March94	2.61	2.21	2.76	3.59	2.33	4.13	.70	1.10	1.97	2234
April	2.22	1.29	.31	2.82	.85	.40	2.27	3.18	.79	1.45	1558
May	1.78	.97	1.66	3.17	2.03	1.40	2.15	1.78	2.55	1.16	1865
June	1.22	5.31	5.64	1.80	2.28	2.20	2.11	.93	.17	1.79	2345
July	5.23	.82	2.66	.76	1.51	6.33	4.16	2.67	4.39	.86	2939
August	4.00	1.20	5.27	1.71	1.95	2.84	3.66	7.86	1.58	2.47	3254
September ..	1.46	1.68	4.12	1.75	1.15	3.25	2.43	1.11	5.57	1.34	2356
October ...	3.55	4.13	2.99	1.13	2.26	1.96	3.59	3.43	3.18	2.50	2872
November ..	3.91	6.31	1.96	1.74	3.93	2.35	4.10	2.28	1.10	5.62	3330
December ...	2.54	5.24	1.95	1.73	4.65	6.41	3.38	1.90	1.77	3.81	3338
TOTALS ...	32.29	32.55	34.47	23.39	27.16	35.33	39.43	30.23	27.66	29.50	31251

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Extract from letter from A. B. Swinton 1.12.15 "The exposure is bad; it is in the kitchen garden on one of the fells, and almost under an apple tree."

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

RAINFALL at Duns (Mordiston)County of BerwickObserver M. J. G. MapkallRiver Basin 4 Whitadder.

Rain Gauge, by _____

Diameter ...	5										
Height	1.6										
Altitude ...	356										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	2.04	5.45	2.66	2.06	2.11	1.21	2.96	2.17	3.90	1.91	1.95
February ...	2.16	.35	3.04	3.35	1.36	5.29	3.90	.82	1.49	1.68	1.69
March	3.38	1.99	1.69	1.28	.77	3.03	1.01	2.62	3.43	.17	2.28
April	2.82	.65	2.29	2.03	1.17	2.79	2.71	1.60	1.71	1.39	1.92
May	2.01	2.28	.49	2.18	4.94	3.78	1.75	2.43	1.02	1.18	.91
June64	.63	1.68	1.41	1.73	.30	3.16	3.70	4.91	2.13	1.60
July	2.58	2.54	6.11	1.81	5.35	2.49	3.23	3.49	1.73	3.71	4.00
August	3.56	4.23	1.95	4.03	2.51	2.88	2.31	6.40	4.40	4.32	4.63
September...	1.78	1.64	2.62	1.55	3.43	3.91	3.97	6.48	2.14	.27	4.37
October	2.58	3.00	3.02	2.62	3.19	1.89	4.05	2.31	2.56	2.94	3.02
November...	1.50	2.07	1.15	4.02	1.44	1.97	3.50	3.14	4.26	4.06	4.13
December...	4.05	1.81	2.62	3.40	2.33	3.38	.53	2.64	2.02	3.03	2.74
TOTALS...	32.10	26.64	29.32	30.24	30.33	32.92	33.08	37.80	33.57	26.79	33.24
	D	D	D	D	D	D	D	D	D	D	D

1925. wall 14ft. high 20ft. dia. N.
 trees 40 — 100 — W.
 wall 14 — 100 — E.

see extract of letter from the sheet

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
1925.			<u>Edison.</u> <u>Duns.</u>	<u>1 3/4</u>	<u>W.</u>	<u>Duns.</u>	<u>1 1/2</u>	<u>W.</u>

RAINFALL at Duns (Manderston)County of BerwickObserver F. J. Marshall (1936) Mr. P. DalgleishRiver Basin H. Tweed - WhiteadderType of Gauge SnowdonAnnual Average 30.7 in. based on 28 years obs. un-weighted. Period of average 1908-1935 Ref 5

Diameter	5"										
Height	1' 6"		2' 6"								
Altitude	356'							353			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.87	1.86	1.15	1.47	1.46	5.01	3.56	3.12	5.40	(2.00)	
February	2.29	.64	2.72	.34	1.56	3.79	3.51	.74	1.14	2.66	
March	2.10	3.40	1.07	4.11	2.05	2.50	4.10	.74	3.19	3.22	
April	3.11	2.42	2.14	4.19	3.18	1.70	1.62	.28	1.09	1.82	
May	2.37	2.51	1.32	1.64	1.02	1.76	3.59	2.92	.89	1.10	
June	5.39	1.63	1.10	2.37	3.47	2.19	1.48	3.75	2.06	.53	
July	4.29	2.49	3.59	2.32	1.45	3.45	3.06	3.22	3.23	7.92	
August	4.07	.82	1.74	3.69	3.72	1.89	3.55	1.24	1.78	.92	
September	1.87	3.86	1.20	2.65	3.45	3.53	1.51	2.76	1.54	1.91	
October	1.46	6.88	3.62	3.84	4.56	1.98	3.45	4.74	4.59	3.65	
November	4.34	.92	2.93	3.91	4.05	3.67	.94	3.76	3.24	3.81	
December	.86	1.69	1.51	4.02	1.96	1.87	6.24	3.18	1.43	2.00	
TOTALS	34.04	29.12	24.09	34.55	31.93	33.04	36.91	30.45	29.58	31.44	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1934 Glasgow 20' high 20' N.

1935 Glasgow 20' high 42' N

Hedge 5' - 10' E.

1937 Glasgow 20' - 42' N

1940 Jan. cor. for snow.

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
1931.			Duns.	1/2 m	W.	Duns	1/2 m	W.

RAINFALL at Duns (Manderston gardens) Station No. 5093 41County of Berwick Observer Mr. P. Dalgleish
River Basin 4-Tweed-Whiteadder Mr. H. E. Wilson
Type of Gauge SnowdonAnnual Average 20.7 in. based on 28 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No.

Diameter	5"				923	206					
Height	2' 6"					1					
Altitude	353'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.12	3.62	2.59	1.23	4.95	1.77	2.86	7.40	1.53	1.32	
February	6.06	1.83	1.22	1.65	2.04	.99	2.79	1.60	.95	1.75	
March	2.55	1.42	1.08	1.11	.51	2.35	5.19	.51	.94	1.72	
April	1.59	.98	1.05	2.07	1.16	.39	3.59	1.78	1.08	1.89	
May	2.07	2.56	4.62	2.67	4.93	1.61	3.28	.94	1.62	1.53	
June	1.46	1.03	2.69	2.83	2.83	2.06	2.70	4.41	1.37	2.12	
July	2.40	2.25	2.12	3.43	2.68	2.62	3.06	2.33	2.83	2.74	
August	3.69	1.77	3.97	3.24	4.49	5.38	.20	11.33	2.38	2.88	
September	0.75	2.66	2.28	4.35	3.05	3.00	1.11	3.24	1.60	4.18	
October	4.23	2.97	2.26	2.70	4.72	.68	1.14	2.96	6.54	1.43	
November	3.27	.42	2.61	5.88	.86	6.20	2.74	1.98	3.28	6.82	
December	.66	1.93	1.39	2.47	2.22	2.02	1.66	1.91	2.81	1.70	
TOTALS	32.85	23.44	27.88	34.29	34.44	29.07	30.32	40.39	26.93	30.08	
	D	d	D	D	D	D	D	P	D	d	

1941 Glasshouses 20' high 42' N.

Hedge 5' high 10' E.

MO. Schin wrote observer 6/13/45 ref. height of gauge above ground but he did not take kindly to suggestion to lower it to standard height.

1946. Wall 20' high, 36' N. Gauge moved 6" Aug. 20' E.

1950. Nov. 20th amended. 1950 amended for misplaced decimals Jan. Feb adj from missos.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.
1941			Duns LNER.	1 1/4 mi	SSW.	Duns	1 1/2 mi	W.

BRITISH RAINFALL ORGANIZATION

Station No. 5093

RAINFALL at Duns (Commander's Landing)

51

County of BermudaObserver Mr. H. R. WilsonRiver Basin 7-Inland - WestenderAuth: Major G. W. H. B. Baillie 1954Type of Gauge ShannonAnnual Average 30.7 in. based on 28 years obs. un-weighted. Period of average 1881-1915 Ref. S
" " 31.15 " " 40 " " within 1916-50 " 1916-50 " S
File No.

Diameter ...	5"		923	206		5"					
Height ...	2' 6"			1		1'					
Altitude ...	353'			51		353'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(3.56)	1.80	0.72	2.13	2.07	2.54	3.13	1.91	1.42	5.08	
February ...	2.22	.61	1.25	2.27	2.61	2.96	3.41	2.38	.37	2.45	
March ...	3.93	1.54	.07	1.97	1.57	.83	1.77	3.85	-.62	1.53	
April ...	3.36	1.65	2.85	.76	.57	.71	.67	2.93	1.67	.91	
May ...	4.39	2.50	2.69	3.97	1.65	.50	1.28	2.28	.37	1.83	
June ...	1.03	2.32	2.28	2.96	1.36	2.76	1.49	3.48	1.92	1.20	
July ...	1.90	1.34	3.93	2.13	2.13	3.21	3.28	4.79	2.47	3.63	
August ...	3.30	3.13	1.91	5.89	.42	10.68	5.47	3.79	.51	5.52	
September ...	1.28	2.44	2.05	2.93	2.07	4.07	2.15	2.08	.53	2.05	
October ...	0.41	2.88	1.36	4.62	2.15	1.91	1.94	1.46	2.19	8.53	
November ...	6.18	3.61	2.51	2.68	1.45	1.08	1.87	.82	4.57	2.85	
December ...	1.70	4.10	2.39	2.55	4.14	2.44	2.55	5.18	4.29	2.39	
TOTALS ...	33.26	27.92	24.01	34.86	22.19	33.69	28.95	34.95	20.93	37.97	
		D	D	D	D	D	D	D	D	D	

1951. Jan. adj. for snow loss.

1952. Wall 20' high 36' N

info 27.1.54.

40004

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 86/809547

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1952			Duns	1 3/4 m.	SSW	Duns	1 1/2 m.	W.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓	✓ but d 24 + 25	✓ but d 40	✓ but d 42, 50.	