

## RAINFALL AT Duns, Manderston

Lat.

Lon.

County of

Berwick

Rain Gauge, by

Observer Mr J Marshall

M. 2, 98 Marshall

Twed, Whiteadder - ft.

Diameter ..		8									
Height ....		1 6	2 . 0								
Altitude ..		220 ?			356 <del>m</del>						
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	2.231
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	2.160
July ..	2.54	1.35	1.64	5.14	2.10	1.95	1.82	1.62	3.74	2.36	2.1424
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	4.06
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 <sup>1 1/2</sup> Miles W

Tree 70±80 ft high 150 ft N + W

1905 Town Station <sup>1/4</sup> mile ENE

1906 Duns Station 2 miles S W

HUG

## RAINFALL at Duns, Manderston

County of Berwick Observer Mr. F. J. Marshall  
 River Basin Tweed - left bank trib. 14.  
 Rain Gauge, by

Diameter ...	8		5									
Height .....	16											
Altitude ...	356											
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	2797	
February ...	3.05	1.44	3.02	.95	1.63	3.62	3.65	1.00	2.12	2.85	2333	
March .....	.94	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	39.93	30.23	27.66	29.50	31251	

imp. D.      D      imp. D.      imp. D.      D      D

Extract from letter from Mr. Scrivener 1.12.05 "The exposure is bad; it is in the kitchen garden on one of the lawns, and almost under one of our apple trees."

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

RAINFALL at Duns (Mondesont)

County of Berwick Observer M. F. J. Marshall,  
 River Basin 4 Whiteadder.

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

Diameter ...	5"	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
Height .....	1.6											
Altitude ...	956											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January	2.02	5.45	2.66	2.04	2.11	1.21	2.96	2.17	3.90	1.91	1.95	
February	2.16	.35	3.04	3.85	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	1.89	1.92	
May	3.01	2.28	.49	2.18	4.94	3.78	1.75	2.43	1.02	1.18	.91	
June	.64	.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	1.02	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	2.03	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	
	0	0	0	0	0	0	0	0	0	0	0	

1925. Wall 14 ft. high 20 ft. dia. N.  
 Trees 40 — 100 — W.  
 Wall 14 — 100 — E.

see sketch of Duns in "Gordon's Sketches"

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
 Map, 2 miles to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1925.			Eldon.			Duns.	1 1/2	W.

## RAINFALL at Duns (Manderston)

County of Berwick

Observer F.T. Marshall (1936) Inv P. Dalgleish

River Basin N - Tweed - Whiteadder

Type of Gauge Snowdrift

Annual Average 30.7 in. based on 5 years obs. un-weighted. Period of average 1931-1940 Ref

Diameter	5"										
Height	1' 6" 2' 6"										
Altitude	356' 353										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.67	1.86	1.15	1.47	1.46	5.01	3.56	3.12	5.40	(2.00)	
February	2.29	1.64	2.72	3.34	1.56	3.79	3.51	1.74	1.14	2.66	
March	2.10	3.40	1.07	4.11	2.05	2.50	4.10	1.74	3.19	3.22	
April	3.11	2.42	2.14	4.19	3.18	1.70	1.62	2.28	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	1.78	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	1.48	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 Glasshouse 20' high 20°N.

1935 Glasshouse 20' high 42°N.

Hedge 5' - 10°E.

1937 Glasshouse 20' - 42°N.

1940 Jan. corr. for snow.

Position of Station on reduced Ordnance Survey Map. } No. of Map..... Reference No.....  
1 mile to 1 inch Series

Date	Lat. N.	Long.	Railway Station	Distance from gauge	Direction	Parish Church	Distance from gauge	Direction
1931			Duns	1/2 m	W.	Duns	1/2 m	W.

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

Station No. 5093

## RAINFALL at Duns (Manderston Gardens)

41

County of Berwick Observer Mr. P. Dalgleish  
 River Basin Tweed - Whiteadder Mr. H. C. Wilson  
 Type of Gauge Snowdon

Annual Average 30.7 in. based on 28 years obs. yet-weighted. Period of average 1881-1915 Ref. S.

File No.

Diameter	5"			923	204						
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	1.45	
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	1.62	2.67	4.93	1.61	3.28	.94	1.62	1.53	
June	1.46	1.03	2.69	2.89	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	4.95	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	D	D	d	

1941 Glass houses 20' high 42° N.

Hedge 5' high 10° E.

Mr. Robin wrote observer 6/3/45 ref. height of gauge above ground but hedged was taken kindly to suggestion to lower it to standard height.

1946. Wall 20' high, 26° N. Gauge moved 6" Aug. 20° E.

1950. Nov. 20<sup>th</sup> amended 1.602 amended for misplaced decimals Jan. 1st also from lessons

Position of Station on reduced Ordnance Survey Map, No. of Map ..... Reference No. ....  
 1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1941			Duns LNER.	1 1/4 mi	SSW.	Duns	1 1/2 mi W.

Station No. 5043

## RAINFALL at Duns (monadnock standing)

51

County of Berwick

Observer Mr H. R. Wilson

River Basin Tweed - Whiteadder Auth: Major C. W. H. Baillie 1954

Type of Gauge Standard

Annual Average 30.7 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. S  
 " 31.15 " " 40 " " within 1916-58 " " 1916-50 " " File No. 8

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	.67	.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	1.58	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	38.26	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	D	

1951. Jan adj for snow loss.

1952. Wall 20' high 36' N

Imp 27.1.54

4000 ft

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 50/809547

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

Summary of Earlier Records from 10-year Sheets :

Record D. or d	1910-19	1920-30	1931-40	1941-50	1951-60
	/	/	/	/	/