

# RAINFALL AT Eskdale Muir Observatory

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

Dumfries

MO.

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

Observer \_\_\_\_\_

Meteorological Office

G. W. Walker Esq.

Check gauge.

Esk - 5.

Diameter ...										8	
Height .....										0 8	
Altitude ...										778	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...											
February ...											
March .....											
April .....											
May .....											
June .....											
July .....											
August .....											
September ..											
October ...											
November ..											
December ...											
TOTALS ...										5120	

1909. G. exposed until April when a protecting dyke, 2 ft. higher than the gauge, was built round it at a distance of 4 ft.  
G. is 24½ ft. E. of the Beckley recorder.

# RAINFALL AT Eskdale Muir Observatory

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

Dumfries

M.O. Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

met. office

Sk- 5.

G. W. Walker

Diameter ...										8	
Height .....										0 11	
Altitude ...										778	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...											
February ...											
March .....											
April .....											
May .....											
June .....											
July .....											
August .....											
September ..											
October ...											
November ..											
December...											
TOTALS ...											

1909. Gauge freely exposed and placed 28 ft. E of the protected gauge on Aug. 14th.

# RAINFALL AT *Eskdale Muir Observatory*

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of *Dumfries*

*Beckley* Rain Gauge, by \_\_\_\_\_ Observer *Met. Office*

*Esk - S.* *G. W. Walker*

Diameter ...											<i>1 1/4</i>	
Height .....											<i>1 10</i>	
Altitude ...											<i>778</i>	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ...												
February ...												
March .....												
April .....												
May .....												
June .....												
July .....												
August .....												
September ..												
October ...												
November ..												
December ...												
TOTALS ...												

*22.0*  
*from Aug. 1st*

1909. Protected by a circular turf dyke, 4 ft. radius and 2 ft. above the level of the rim of gauge.

RAINFALL at Eskdale Muir ObservatoryCounty of Dumfries Observer Meteorological OfficeRiver Basin Eden-Esk 45

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

Diameter ...	8				11							
Height .....	0 8				2 0							
Altitude ...	778				799					794		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	5.59	4.24	3.80	4.49	5.09	4.23	10.28	4.61	8.04	5.32	5.569	2825
February ...	8.11	9.19	4.28	4.76	8.50	9.54	6.48	1.14	8.38	.75	6.113	1675
March .....	4.99	2.89	7.39	7.60	6.20	2.96	2.57	2.76	1.96	4.09	4.341	1138
April .....	5.72	6.78	1.02	6.51	3.08	3.69	5.31	4.88	.78	2.97	4.074	1394
May .....	3.44	3.46	1.84	4.14	2.88	1.36	5.57	4.02	3.15	1.95	3.181	1469
June .....	2.50	3.44	6.22	2.97	1.59	1.57	3.10	3.19	1.94	2.47	2.929	1100
July .....	6.16	2.30	3.61	.99	3.24	5.04	6.13	2.64	4.09	1.34	3.554	1422
August .....	8.58	3.22	5.32	2.35	6.52	2.74	4.74	8.73	4.21	4.38	5.079	2206
September ..	.99	2.83	2.45	2.50	3.53	1.88	2.77	5.67	9.51	6.08	3.821	24.02
October ...	3.84	5.36	5.76	4.46	1.80	2.36	10.45	7.64	9.44	2.86	5.397	30.35
November ..	4.12	8.21	5.48	6.73	7.94	3.83	6.71	6.45	4.27	5.42	5.916	2285
December ...	6.34	9.01	11.57	5.55	7.87	7.91	5.52	3.70	6.77	10.21	7.445	2620
TOTALS ...	60.38	60.93	58.74	53.05	58.24	47.11	69.93	58.43	62.54	47.84	57.419	23574

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	55° 19'	3° 12' W						



RAINFALL at Eskdale Muir ObservatoryCounty of DumfriesObserver Meteorological OfficeRiver Basin Esk - 5Exposed  
Check Rain Gauge, by \_\_\_\_\_

Diameter ...											
Height .....											
Altitude ...											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...											
February ...											
March .....											
April .....											
May .....											
June .....											
July .....		230									
August .....		221									
September ..		281									
October ...		536									
November ..											
December ...		901									
TOTALS ...											

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

RAINFALL at

Eskdale Muir Observatory

County of

Dumfries

Observer

Meteorological Office

River Basin

Esk - 5

Protected  
Check

Rain Gauge, by

Diameter ...											
Height .....											
Altitude ...											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...								4.58			
February ...								1.16			
March .....								2.76			
April .....								4.83			
May .....								4.03			
June .....								3.20			
July .....		2.22						2.45			
August .....		2.25						8.72			
September ..		2.86						5.66			
October ...		5.65						7.63			
November ..								6.45			
December...		9.39						3.71			
TOTALS ...								55.38			
								2			

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

RAINFALL at Eskdale Muir ObservatoryCounty of Dumfries Observer Meteorological OfficeRiver Basin Esk - 5.Beckley Rain Gauge, by \_\_\_\_\_

Diameter ...											
Height .....											
Altitude ...											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...											
February ...											
March .....											
April .....											
May .....											
June .....											
July .....		221									
August .....											
September ..		283									
October ...		497									
November ..											
December ...		869									
TOTALS ...											

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



RAINFALL at Eskdalemuir ObservatoryCounty of Dumfries

Observer

meteorological office *checking*River Basin Esk - 5.

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

Diameter ...						8					
Height .....						10					
Altitude ...						798					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...						4.24	10.85	4.58	8.44		
February ...						9.71	6.73	1.16	8.58		
March .....						2.91	2.57	2.76	1.99		
April .....						3.83	5.49	4.83	.78		
May .....						1.42	5.60	4.03	3.17		
June .....						1.66	3.37	3.20	1.92		
July .....						5.29	6.17	2.65	4.08		
August .....						2.88	2.80	8.72	4.23		
September ..						1.93	4.52	6.66	9.50		
October ...						2.36	10.45	7.63	9.97		
November ..						3.83	6.46	6.45	4.57		
December...						8.11	5.49	3.71	6.73		
TOTALS ...						48.17 mm	70.50	55.38 P	63.96 mm	NR	

*not used for survey*

D D

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



RAINFALL at Eddalemuir Observatory

County of Dunfermline

Observer The Staff. (all-o.)

River Basin Ek - 5

Air Ministry

*Rain Gauge, by*

 $+A$ 

Data for BR 1928 onwards are for period of 21st June 76 - 7h not  
ch-24h as previously and all used for DMRE.  
See Sm 15<sup>D</sup> f230612/28.

Diameter ...	11				8								
Height .....	2.0				1 4								
Altitude ...	794												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.		
January ...	8.46	12.32	4.90	5.53	6.88	6.91	9.43	8.16	15.52	2.22	10.76	91.05	
February ...	6.75	8.1	5.66	6.20	1.42	6.60	7.92	3.45	8.51	2.07	.73	50.12	
March .....	7.44	8.87	3.51	2.38	1.03	2.30	3.76	4.32	6.63	1.31	4.01	45.53	
April .....	4.24	1.91	3.06	4.34	3.86	7.52	4.06	4.23	1.78	1.60	2.30	38.90	
May .....	7.88	3.41	4.25	3.64	5.63	9.30	3.73	4.06	1.54	4.23	3.11	50.80	
June .....	2.80	.91	2.58	2.11	3.11	1.19	3.88	6.07	7.87	4.44	4.18	39.14	
July .....	6.01	4.11	6.84	5.39	5.57	2.51	5.62	5.30	5.24	7.96	5.62	60.17	
August .....	5.97	6.87	3.96	10.31	6.58	6.54	6.95	7.63	9.48	7.74	9.07	81.11	
September...	3.02	2.74	3.03	7.16	7.13	3.79	5.79	9.13	4.37	1.18	4.24	51.58	
October .....	2.12	4.67	3.12	9.58	4.57	6.48	6.06	7.81	11.33	6.87	11.69	74.80	
November...	4.19	3.18	3.63	6.19	5.13	2.04	3.26	6.88	8.82	10.92	6.92	66.16	
December...	6.20	9.81	5.86	5.86	11.30	5.76	2.02	1.76	5.90	13.02	5.38	72.87	
TOTALS...	64.99	59.61	50.40	68.71	62.23	66.94	47.48	68.80	87.49	63.56	68.01	72.22	

Inspected S. 21. Three groups ① Berkeley ② M.D. :- Both within  
half mile enclosed S + ③ M.D. no enclosure.  
Tuff walls about 1 ft high + 3 ft thick + about 4 ft away. That of no. 2  
has worn down. Groups all on a nearly level grassland on north  
of obry buildings. Land slopes to east, 100 yds away. Well of water  
just S.W. Obry lies on west side of wide open valley. South hills half  
mile S. + S + 3/4 mi E., subtending angle of 5°. Land in general  
very level + some rocky. No. 3 is probably overestimated.

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
1920	55° 19'	3° 24'	Lockerbie					

## RAINFALL at

Kadalamun Obay

County of

Dumfries

Observer

J. M. O.

River Basin

Kt-5.

C.M.O.

Rain Gauge, by

Unshielded

Diameter ...											
Height .....											
Altitude ...											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...				5.08							
February ...				5.69							
March .....				2.39							
April .....				3.93							
May .....			3.89	3.67							
June .....			2.75	2.09							
July .....			6.46	4.43							
August .....			3.80								
September...			3.09								
October .....			4.17								
November...			2.49								
December...			5.53								
TOTALS...											

Site selected by C.S. Oct '21

another stand -

1922 July 15<sup>th</sup> estd from other gauges.

See File 32067/21.

Position of Station on reduced Ordnance Survey  
Map, 2 miles 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

## RAINFALL at

Islehampton, Dorset

experimental gauge with upper shield

County of

Dorset

Observer

W. H. H. H.

River Basin

2k-5

No. 140.

Rain Gauge, by

Diameter ...		5									
Height .....		10									
Altitude ...											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...				4.92							
February ...				5.73							
March .....				2.44							
April .....				3.66							
May .....			3.69	2.27							
June .....			2.73	1.78							
July .....			6.48	4.36							
August .....			3.98								
September...			3.04								
October .....			4.35								
November...			2.49								
December...			5.44								
TOTALS...											

Inter-related by C.S. Oct. 21 for experimental purposes.

about 300 yds N. of observatory, inside enclosure. On open moorland on slight shoulder falling a little on S.W. + S. A hummock 200 yds N. might give slight shelter but not much. Hills half mile S.W. + S. + 3/4 mi. E.

1922. No record for Oct. 23<sup>rd</sup>; Reading approx. for Dec. 23<sup>rd</sup>. See File 3247/21

Position of Station on reduced Ordnance Survey  
Map, 2 miles 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



RAINFALL at Eskdalemuir ObservatoryCounty of DumfriesshireObserver Meteorological OfficeRiver Basin Esk 5Check          Rain Gauge, by         

Diameter ...											
Height .....											
Altitude ...											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...											
February ...											
March .....											
April .....											
May .....			4.25								
June .....			2.87								
July .....			6.61								
August .....			3.90								
September...			3.03								
October .....			4.38								
November...			2.47								
December...			8.76								
TOTALS...			insp								

1922. No record for Dec 15<sup>th</sup>. Reading appears for Dec 23<sup>rd</sup>. See file 32067/21

Position of Station on reduced Ordnance Survey Map, 2 miles 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

RAINFALL at Coldstream Observatory (+A) M.W.R.

County of Dumfries Observer Meteorological Office  
River Basin S. Esk The Superintendent  
Type of Gauge M.O. Meteorological Office

Annual Average 56.2in. based on 17 years obs. un-weighted. Period of average 1851-1915 Ref. A.V. 56

Diameter	8"										
Height	1' 4"	1' 3"									
Altitude	794'	796'		794'							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.11	11.70	3.94	11.20	3.24	8.18	9.26	9.51	6.76	3.37	7727
February	5.93	18	5.76	4.0	7.69	8.39	6.34	4.23	9.26	2.83	4601
March	1.12	4.19	3.67	4.46	2.57	4.88	3.21	3.83	5.62	6.49	3974
April	3.15	5.30	3.04	5.09	5.80	1.47	2.90	.91	2.47	3.85	3398
May	4.59	3.40	2.62	4.79	1.16	.61	2.59	6.19	1.20	1.47	2852
June	10.24	1.89	2.21	2.59	5.36	2.88	4.10	9.31	4.23	1.84	4435
July	5.44	7.79	6.84	2.53	2.47	6.87	4.32	8.87	7.21	6.67	5931
August	1.80	2.23	2.86	7.00	5.04	3.22	4.33	3.02	2.34	2.80	3464
September	1.46	6.19	1.04	7.14	7.56	5.59	4.46	4.89	2.88	6.31	4652
October	5.34	9.08	5.70	9.76	10.12	6.85	3.72	11.46	3.32	5.96	6931
November	11.26	6.84	2.07	2.26	6.13	5.35	1.19	11.42	9.28	7.07	6187
December	5.76	13.13	1.45	8.74	2.78	9.46	4.79	4.49	3.09	7.38	6107
TOTALS	61.50	70.92	44.10	65.96	59.92	58.45	51.21	78.13	57.44	54.74	60259
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

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

610122

RAINFALL at Eskdalemuir <sup>1950</sup> Observatory (+A)Station No. MWR 5041

41

County of DumfriesshireObserver Meteorological OfficeRiver Basin S. EskType of Gauge M.O.Annual Average 56.3 in. based on 17 years obs. unweighted. Period of average 1881-1915 Ref. A.W. Shiers.

File No. ....

Diameter	8"					610	122						
Height	1'4"						3						
Altitude	794'						4						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means		
January	1.65	8.31	7.90	7.86	6.36	7.62	6.53	10.24	6.81	4.74	680.2	616	1951
February	4.00	2.89	5.49	3.60	8.25	3.93	1.21	5.83	6.49	6.37	480.6	3.80	1960
March	4.56	4.70	2.38	0.67	4.82	5.26	5.71	4.53	2.49	6.84	419.6	3.42	1961
April	2.93	3.18	4.01	3.73	3.15	1.97	10.00	4.41	6.45	6.18	460.1	3.62	1962
May	3.76	5.42	6.80	3.85	6.33	1.35	3.49	1.77	3.28	2.26	383.1	3.56	1963
June	1.98	1.13	6.09	5.62	5.00	6.38	4.92	6.93	1.31	5.19	445.5	3.84	1964
July	4.67	4.02	3.90	3.12	3.93	4.58	4.50	3.99	2.64	6.01	413.6	5.3	1965
August	7.16	5.41	7.64	4.24	2.00	6.25	.03	10.00	3.68	8.13	545.4	5.23	1966
September	2.62	7.05	5.86	6.18	6.97	9.48	4.61	6.87	2.69	12.16	644.9	4.91	1967
October	6.43	6.70	10.09	4.55	6.16	.90	1.54	5.97	7.51	4.66	545.1	5.15	1968
November	5.28	1.48	4.17	10.34	.63	10.8	8.68	5.30	6.62	4.84	581.5	6.11	1969
December	3.35	9.24	2.71	8.22	3.47	6.53	3.13	7.89	12.01	2.50	590.5	7.17	1970
TOTALS	48.39	59.53	67.04	61.38	57.07	65.06	54.35	73.73	61.98	69.88	619.01	58.16	1971

647.13

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. 5041

RAINFALL at Eskdalemuir Observatory M.W.R.

51

County of Dumfriesshire

Observer Meteorological Office

River Basin S-Esk

Type of Gauge M.O. (T.A.)

Annual Average 56.3 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. A.W.S.

62.7 " " 35 " 1916-1950

1916-1950

File No. P

Diameter ...	8"	5"	8"		610/122						
Height ...	1' 4"				3						
Altitude ...	794'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	7.87	7.61	2.52	5.55	6.81	4.43	10.21	6.45	4.01	7.12	61.58
February ...	4.61	1.23	2.04	4.33	3.41	2.11	5.32	5.03	2.05	7.93	38.06
March ...	5.30	3.91	.91	4.44	3.42	2.58	5.30	1.94	4.14	2.23	34.17
April ...	5.40	3.67	4.40	1.40	2.61	1.05	2.91	2.49	4.60	5.78	54.21
May ...	2.19	2.81	2.90	7.03	4.10	3.87	2.19	4.34	3.02	3.18	35.63
June ...	2.44	4.35	5.50	6.21	3.07	3.62	1.67	3.73	3.93	3.85	38.37
July ...	4.68	3.63	9.56	5.30	2.56	6.83	4.93	6.69	5.33	4.41	53.92
August ...	7.15	4.49	4.90	5.84	1.54	8.88	6.63	6.05	.97	5.85	52.30
September ...	6.90	2.35	5.74	8.77	4.65	4.79	4.27	6.11	1.81	3.67	49.06
October ...	0.46	5.07	3.55	12.48	3.11	5.14	7.74	4.69	6.34	2.97	51.55
November ...	10.31	3.96	8.73	10.75	1.90	2.81	2.35	2.13	10.17	7.96	61.07
December ...	9.43	5.24	4.33	8.61	8.07	8.61	6.22	5.39	9.21	6.55	71.71
TOTALS ...	66.74	48.32	55.13	80.71	44.15	54.72	59.74	55.04	55.58	61.50	581.63
	D	D	D	D	D	D	D	D	D	D	

1954. R.O. Edin. State Bui. g. and fr. g. h. g. m. g. p.

118.5 85.8 77.9 143.4 78.4 97.2 106.1

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NT(36) 225026

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			hockwistie			

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

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