

RAINFALL AT Eskdale Muir Observatory

Lat. _____

Lon. _____

County of

Dumfries

M.D. Rain Gauge, by

Observer

Meteorological Office
G.W. Walker Esq.

Check gauge. Esk - 5.

<u>8 inch</u>											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 _____

Esk - 5.

G. W. Walker

Diameter ...										8
Height										0 "
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 ...										

{ 277
from Aug. 141909. 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
Esk - 5. Observer Met. Office
G. W. Walker.

Diameter ...											11 $\frac{1}{2}$
Height										1 10	.
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 ...											

22.0
 flowing 14

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 Observatory

County of Dumfries Observer Meteorological Office
River Basin Eddon-Esk 25.

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	5569	2825
February ...	8.11	9.19	4.28	4.76	8.50	9.54	6.48	1.14	8.38	.75	6113	1675
March	4.99	2.89	7.39	7.60	6.20	2.96	2.57	2.76	1.96	4.09	4341	1138
April	5.72	6.78	1.02	6.51	3.08	3.69	5.31	4.88	.78	2.97	4074	1394
May	3.44	3.46	1.84	4.14	2.88	1.36	5.57	4.02	3.15	1.95	3181	1469
June	2.50	3.44	6.22	2.97	1.59	1.57	3.10	3.19	1.94	2.47	2929	1100
July	6.16	2.30	3.61	.99	3.24	5.04	6.13	2.64	4.09	1.34	35574	1420
August	8.58	3.22	5.32	2.35	6.52	2.74	4.74	8.73	4.21	4.38	5079	2206
September ..	.99	2.83	2.45	2.50	3.53	1.88	2.77	5.67	9.51	6.08	3821	2402
October ...	3.84	5.36	5.76	4.46	1.80	2.36	10.45	7.64	9.44	2.86	5397	30.3
November ...	4.12	8.21	5.48	6.73	7.94	3.83	6.71	6.45	4.27	5.42	5916	2285
December ...	6.34	9.01	11.57	5.55	7.87	7.91	5.52	3.70	6.77	10.21	7445	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
						mm			mm			11.92

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	58° 19'	3° 12' W						

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

Diameter ...	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 ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height											
Altitude ...											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...								4.58			
February ...								1.16			
March								2.76			
April								4.83			
May								4.03			
June.....								3.20			
July	2.22							2.65			
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 ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...											
February ...											
March											
April											
May											
June											
July	221										
August.....											
September ..	283										
October ...	4.97										
November ..											
December...	869										
TOTALS ...											

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

RAINFALL at Eskdalemuir ObservatoryCounty of Dumfries

Observer

Check by
Meteorological Office

River Basin

Esk - 5.

Rain Gauge, by _____

Diameter ...										
Height						8				
Altitude ...						10				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	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	5.66	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 ...						48.1 mm	70.50	55.38	63.96	NR

not used for entries

D

D

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

RAINFALL at Eddalemuir ObservatoryCounty of DumfriesObserver The Staff (Coll-o.)River Basin 8k - 5Air Ministry

Rain Gauge, by

+A

Data for BR 1928 onwards are for period 8th November - 7th next
 Oct - 28th as previously and will meet for 8th November.
 See Env 15th p 236612/28

Diameter ...	11				8							
Height	2.0				1.4							
Altitude ...	794											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	8.40	12.32	4.90	5.55	6.88	6.91	9.43	8.16	15.52	2.22	10.76	91.05
February ...	6.55	.81	5.66	6.20	1.42	6.60	7.92	3.45	8.51	2.07	.73	50.12
March	7.46	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	81.10
September...	3.02	2.74	3.03	7.14	7.13	3.79	5.79	9.13	4.37	4.18	4.24	51.58
October.....	2.12	4.67	3.12	9.58	4.57	6.48	6.06	7.81	11.83	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	60.69	47.48	68.80	87.49	63.56	68.01	722.22

Inserted 3.2. Three gauges ① Buxton ② M.D. + 100 miles
 incl all enclosures + ③ M.D. no enclosure.
 Buxton about 6 ft high + 3 ft back + about 40 ft away. That of no. 2
 has been done. Gauges are all in nearly level grassland on north
 of Obey buildings. Land slopes to east, 100 yds away. Wall of Obey
 runs S + E. Obey lies on west side of fairly open valley. Surface half
 miles S + 3/4 mi E, setting angle of 5°. Landings great
 very bumpy. No. 3 is probably inaccurate.

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
1920	55° 1' 5"	3° 12' 5"	Lockerbie					

RAINFALL at

County of Dumfries*Iddesleigh obv.
experimental gauge along side road
into open fields*Observer air ministryRiver Basin 2A - 5.

C.M.O. Rain Gauge, by

Unshielded

Diameter ...	6										MEANS.
Height	10										
Altitude ...											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
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 smooth sheet.**1922 July 12th cal'd from other gauges. See file 32067/21. 1*

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

Tolsdalemine Obs.
experimental gauge kept up since

County of DerbyshireObserver ArchibaldRiver Basin Derb - 5.

C.M.O. Rain Gauge, by _____

Diameter ...	5										MEANS.
Height	1.0										
Altitude ...											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
January ...			4.92								
February ...			5.73								
March			2.44								
April.....			3.66								
May	3.69	2.37									
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...											

Entered by C.S. Oct 21 for experimental purposes.

About 300yds N. of observatory towards enclosure. On open moorland or slight shoulder falling a little in S.W. & S. A limestone 200yds N might give slight shelter but not much. Miles half mile S.W. & S + $\frac{3}{4}$ mi. E.

1922. No record for Oct 23rd; Reading approx. for Dec 23rd. See file 3267/21

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

RAINFALL at Eshdalemuir Observatory

County of Dumfries

Observer Meteorological Office

River Basin Esh 5

Check Rain Gauge, by

Diameter ...										MEANS.
Height										
Altitude										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
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...			5.76							
TOTALS...			inches							

1922. No records for Dec 13th. Reading appears for Dec 23rd.

See file 32067/21

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	Parish Church.	Distance from gauge

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

County of *Dumfries*.

Observer *Meteorological Office*.

River Basin *5 - Esk*.

The Superintendent

Type of Gauge *M.O.*

Meteorological Office

Annual Average *56.3 in.* based on *17 years obs. un-weighted.* Period of average *[1851-1915]* Ref. Av. W. Shee

Diameter											
Height											
Altitude											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.11	11.70	8.94	11.20	3.24	8.18	9.26	9.51	6.74	3.37	7727
February	5.93	18	5.76	4.40	7.69	2.39	6.34	4.23	9.24	2.83	4601
March	1.12	4.19	3.67	4.46	2.57	4.58	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	2.52	4.79	1.16	6.1	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	1.23	1.84	4435
July	5.74	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	5.31	4652
October	5.34	9.08	5.70	9.76	10.12	6.85	3.42	11.46	3.32	6.96	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	59.96	59.92	58.45	51.21	78.13	57.64	54.74	60259

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

610122

RAINFALL at Eskdalemuir (Observatory) (+A)

1950 Station No. 14 M.W.R. 5041

41

County of Dumfries

Observer Meteorological Office

River Basin S - Esk

Type of Gauge M.O.

Annual Average 52.3 in. based on 17 years obs. unweighted. Period of average 1881-1915 Ref. A.W. 81/82

File No.

Diameter	8"					610	122					
Height	1' 4"							3				
Altitude	794'							41				1951 1960 1969
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	1.65	8.31	7.90	7.86	6.36	7.62	6.53	10.24	6.81	4.74	6802	6.16
February	4.00	2.89	5.49	3.60	8.25	3.93	1.21	5.83	6.49	6.37	4806	3.80
March	4.56	4.70	2.38	0.67	4.82	5.26	5.71	4.53	2.49	6.84	4196	3.62
April	2.93	3.18	4.01	3.73	3.15	1.97	10.00	4.41	6.45	6.18	4601	3.42
May	3.76	5.42	6.80	3.85	6.33	1.35	3.49	1.77	3.28	2.26	3831	3.56
June	1.98	1.13	6.09	5.62	5.00	6.38	4.92	6.93	1.31	5.19	4455	3.84
July	4.67	4.02	3.90	3.12	3.93	4.58	4.50	3.99	2.64	6.01	4136	5.31
August	7.16	5.41	7.64	4.24	2.00	6.25	.03	10.00	3.68	8.13	5454	5.23
September	3.62	7.05	5.86	6.18	6.97	9.48	4.61	6.87	2.69	12.16	6449	4.91
October	6.43	6.70	10.09	4.55	6.16	.90	1.54	5.97	7.51	4.66	5451	5.15
November	5.28	1.48	4.17	10.34	6.3	10.8	8.68	5.30	6.62	4.94	5815	6.11
December	3.35	9.24	2.71	8.22	3.47	6.53	3.13	7.89	12.01	2.50	5905	7.17
TOTALS	48.39	59.53	67.04	61.98	57.07	65.06	54.36	73.73	61.98	69.88	619.01	58.16

549-13

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

Station No. 5041

RAINFALL at Takdalenmu Observatory M.W.R.

51

County of Dumfries Observer Meteorological OfficeRiver Basin 5 - EskType of Gauge M.O. (+A)

Annual Average 56.3 in. based on 17 years obs. ~~an~~-weighted. Period of average 1881-1915 Ref. A.W.S.
62.27 " " 35 " 1916-1950 1916-1950
77.12 "

File No.

Diameter	8"	5"	8"		610122						
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	6.44	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	34.21
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	2.66	6.93	4.93	6.69	5.33	4.41	53.92
August	7.15	4.49	4.90	5.84	1.54	9.88	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	10.14	7.96	61.07
December	9.43	5.24	4.58	8.64	8.07	8.61	6.22	5.34	9.24	6.55	71.71
TOTALS	66.74	48.32	55.13	80.71	H.F. 15	54.72	59.74	55.04	55.58	61.50	581.63
	D	D	D	D	D	D	D	D	D	D	

1954. M.O. Rain. State 8 min. g. used for height readings.

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 H.T(26) 225.026

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted (M.W.R.)

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