

RAINFALL at NEWBIGGINCounty of DURHAMObserver R. CogginsRiver Basin Tees - 15 Rain Gauge, by _____

Diameter ...			5								
Height			14ins								
Altitude ...			1000 ft								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...			2.35	5.52	3.14	4.76					
February ...			2.71	3.31	5.72	5.49					
March			3.57	7.46	4.32	1.51					
April			0.66	4.78	1.98	2.12					
May			2.01	2.83	1.99	1.74					
June			4.83	1.67	3.94	0.61					
July			4.73	1.10	1.39	3.97					
August			4.76	1.14	2.92	2.61					
September...		No	2.62	3.96	2.41	1.41					
October			4.56	3.32	2.50	1.29					
November...			3.42	4.15	7.55	2.56					
December...			6.18	3.58	10.98	8.23					
TOTALS...			42.40	42.82	48.84	36.30					

No records
1916 - 1920
over on
war service
Resumed
in 1921.

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

Middleton in Teesdale

RAINFALL at NEWBIGGINCounty of DURHAMObserver R. CogginsRiver Basin Tees - 1Newbiggin,
Middleton in Teesdale.

B.A. Rain Gauge, by _____

OLD GAUGE

Diameter ...	5"	-	✓	✓	✓	✓	✓	✓			
Height	14"	-	-	-	-	-	✓	✓			
Altitude ...	1000ft	-	-	✓	-	✓	✓	✓			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	8.66	3.08	4.06	3.64	6.12	5.69	4.45	9.76	2.40		8.07
February ...	.33	4.33	5.14	.69	6.41	3.57	1.96	4.30	1.35		2.06
March	2.50	3.10	1.99	1.24	1.67	2.34	3.74	4.92	.34		2.89
April	1.13	3.49	2.79	1.99	5.05	2.52	2.78	.99	1.56		4.05
May	2.22	.93	3.83	4.14	4.38	2.57	2.32	2.28	1.90		2.01
June .....	.01	1.23	.95	4.41	.05	3.73	3.38	6.14	1.77		2.42
July	1.72	4.86	2.51	4.39	3.85	4.36	4.73	2.63	4.00		6.26
August	5.10	3.43	6.76	2.46	3.26	3.65	9.22	7.33	3.44		6.06
September...	1.55	4.36	3.39	5.69	4.26	3.96	7.17	1.53	1.82		5.32
October	2.04	1.72	6.45	1.46	4.94	5.25	4.56	5.79	5.12		4.86
November...	3.10	1.64	6.56	3.52	2.22	6.61	5.23	6.97	5.91		6.16
December...	4.34	4.70	2.13	6.37	5.45	1.48	3.43	3.22	9.47		4.89
TOTALS...	35.40	39.87	46.86	43.00	7.66	45.73	53.02	55.86	29.08	55.05	
							D	D	D	D	

1927 Reported by J.B. on 20th Sept See Green File

1929 { House 24 ft. high. 42 ft. W.N.W.
 Wall 6½" " 18 ft. E.N.E.
 " 3' " " 6 " E.S.E.

3153

1103

86.55

41.15

127.73

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1927			Middleton in Tees	3½	E	Midd. in Tees	3½	E
1929			" " "	2½	ESE	" " "	2½	ESE

RAINFALL at Middleton in Teesdale NewbiginCounty of DurhamObserver R. Caggins Esq.River Basin Tees & C. 1Rain Gauge, by

NEW GAUGE

Diameter										5	
Height										1 0	
Altitude									909 ⁷	1000	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January											808
February											206
March											289
April											402
May											198
June											239
July											624
August											605
September											530
October										5.16	479
November										5.88	6.11
December										9.42	486
TOTALS										imp	5477 D.

2046
7822
4103
11626

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 Middleton-in-Teesdale (Newbiggin) old g.County of DurhamObserver R. Coggins, Esq.River Basin Tees & c. - 1.Type of Gauge G.A.Annual Average 42.2 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. 5

796227/27

Diameter	5.											
Height	1. 2.											
Altitude	1000.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.90	5.24										
February	3.98	1.57										
March	1.85	3.32										
April	3.83	5.14										
May	3.47	2.95										
June	4.96	1.27										
July	3.73	4.72										
August	2.95	1.42										
September	2.86	5.03										
October	1.76	7.15										
November	5.22	2.69										
December	2.64	2.77	<u>T. Robinson observation</u>									
TOTALS	41.15	46.37										
	D.	D.										

1931. Stone 42' N.N.W. Wall 6½' high 18' E.N.E. Wall 3' high 6' E.S.E.

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	Direction from gauge
1931.			Middleton	2½m	E.S.E.	Middleton	2½m	E.S.E.

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

RAINFALL at Middleton-in-Teesdale (Newbiggin) new g.County of DurhamObserver R. Caggins, Esq.River Basin Tees & C. - 1Type of Gauge M.O.Annual Average 44.2 in. based on 24 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref Tees S
using Newbiggin old g.

* 1933-34 (1934)

796227/27.

Diameter	5.											
Height	1.0.											
Altitude	1000.					900'						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	3.90	5.25	3.41	4.92	2.29	7.73	5.45	6.20	8.49	2.11	4.975	
February	3.98	1.57	5.30	3.6	8.74	4.58	5.99	1.76	4.87	2.49	3.964	
March	1.85	3.32	2.85	5.75	1.72	3.42	4.01	1.69	4.57	4.48	3.366	
April	3.83	5.13	2.51	5.74	5.62	2.19	2.21	5.4	2.52	2.11	3.240	
May	3.48	3.86	3.29	3.62	.95	2.39	2.92	2.85	1.04	1.59	2.599	
June	4.93	1.27	2.43	2.18	3.21	4.81	1.27	4.56	3.48	.53	2.867	
July	3.72	4.51	2.54	2.24	1.39	3.65	1.83	3.55	5.61	4.54	3.358	
August	2.94	1.42	1.66	3.17	1.45	2.69	1.05	2.85	3.07	1.22	2.152	
September	2.86	5.04	2.67	3.48	8.00	6.24	3.62	1.87	1.51	3.30	3.859	
October	1.74	7.16	6.43	8.30	7.28	3.76	2.52	11.22	6.00	5.32	6.023	
November	5.18	3.69	3.81	2.92	7.01	5.19	1.44	5.21	6.08	5.99	4.652	
December	2.62	3.77	1.17	6.69	2.68	5.89	5.77	6.30	1.81	4.21	4.091	
TOTALS	41.03	45.99	38.57	42.37	50.34	52.54	38.08	48.60	49.05	37.89	45.146	723

1933. Wall 8' high 15' N. Wall 3' high 9' E. Wall 2 1/2' high 6' S.
House 15' to eaves 36' W.

Gauge measure in loco

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	Direction from gauge
1933.			Middleton-in-Tees.	2 1/2 m	E.S.E.	Middleton-in-Tees	2 m	E.
1938							2 1/2 m	E

Station No. M. 3522RAINFALL at Middleton-in-Teesdale (Newbiggin)

41

County of DurhamObserver R. Giggins Esq. chd 42River Basin Tees C-1Ben. JohnsonType of Gauge M.O.Annual Average 48.5 in. based on 27 years obs. unweighted. Period of average 1881-1915 Ref. Tees S.File No. 726227/27

Diameter	5"		027	216								
Height	1'0"			1								
Altitude	900'	1000'		41			1000'					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
											Total	
January	5.54	4.37	6.03	5.04	7.56	4.31	4.47	10.46	1.58	2.73	52.59	
February	6.75	2.69	2.98	3.53	4.84	3.48	(4.50)	4.05	4.39	6.85	44.06	
March	4.37	3.51	1.81	3.8	2.18	2.24	7.70	2.84	1.07	2.19	28.29	
April	2.45	2.53	2.94	1.94	3.90	1.42	8.72	3.25	3.76	3.07	33.98	
May	1.71	2.75	4.51	2.11	4.15	1.80	1.75	1.81	1.48	1.55	23.62	
June	.24	.84	3.29	2.47	3.83	3.05	4.18	5.18	.73	1.55	25.36	
July	1.78	2.46	2.70	4.60	1.80	3.47	4.21	10.4	2.45	3.31	27.82	
August	3.86	3.54	5.59	2.07	4.71	4.80	.21	4.46	2.00	6.35	37.59	
September	.32	3.45	4.29	5.86	2.44	6.30	3.29	4.39	1.91	6.36	38.61	
October	5.53	3.41	3.91	5.58	7.27	1.20	.93	2.44	5.00	3.18	38.45	
November	3.49	1.06	3.53	10.70	.98	8.24	5.20	2.78	5.79	7.88	49.65	
December	2.25	4.30	2.56	3.78	2.45	4.64	2.74	4.00	7.73	2.12	36.57	
TOTALS	38.29	34.91	44.14	48.06	46.11	44.95	47.90	42.20	37.89	47.14	436.59	10

1947 Feb. est for snow.

20004

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. 3522

RAINFALL at Middleton-in-Teesdale (Newbassan)

51

County of Durham Observer Mrs. C. G. G. G.

River Basin 1- Tees & C

Type of Gauge M.O. (21.6 in.)

Annual Average 44.2 in. based on 11 years obs. & weighted. Period of average 1881-1915 Ref. P.B. 4.4.7

" " 45.01 " " 25 " " With 1930-56. " " "

File No. 796227/27

Diameter ...	5"		027	216							
Height ...	1' 0"			1							
Altitude ...	900'	1000'		51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means 1881-1915
January ...	3.35	3.44	.95	4.09	4.03	3.82	5.67	3.21	3.64	6.51	38.71
February ...	3.75	.65	2.79	2.57	2.73	2.76	3.85	5.93	.63	3.72	29.38
March ...	4.35	2.46	.66	2.77	1.84	2.09	2.58	2.26	1.69	1.95	22.65
April ...	3.73	2.27	3.95	.60	.98	1.04	.49	1.80	2.89	2.48	20.83
May ...	3.87	2.00	3.01	5.47	3.69	1.49	2.12	4.92	.77	2.58	29.92
June ...	1.19	1.40	3.00	2.52	2.55	2.96	1.21	4.10	1.66	1.32	21.91
July ...	1.23	1.35	3.26	2.12	1.50	3.49	4.80	4.68	2.17	4.92	29.52
August ...	3.50	4.53	4.54	6.57	1.53	8.53	5.78	3.39	.68	3.19	42.14
September ...	2.10	4.98	3.66	6.07	1.97	4.60	4.14	4.16	1.31	2.62	35.61
October ...	.97	6.09	2.00	8.52	2.09	3.23	3.88	3.17	3.54	8.08	41.57
November ...	9.44	3.20	4.16	8.14	1.92	1.12	2.16	.86	6.08	6.01	43.08
December ...	8.00	3.83	1.82	5.55	6.51	5.91	4.26	4.51	6.78	5.51	52.68
TOTALS ...	45.48	36.20	33.80	54.99	31.34	41.04	40.94	42.98	31.74	48.89	407.40
	D	D	D	D	D	D	D	D	D	D	

New gauge issued on loan 6.4.54.
1956. Slightly low but accept.

10

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

NY(35)915276

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Middleton-in-Teesdale	3 mi.	ESC	Middleton-in-Teesdale	2 1/2 mi.	E

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C imp 1929	✓	✓	
		✓	✓	✓	