

## RAINFALL AT Newcastle Patcheshead W. Colt Gang

Lat. ....

Lon. ....

County of Northumberland

Rain Gauge, by

Observer

J. Smith Esq.

J. A. L. Foster Esq. C.E.

N. 2 yds - 4 ft.

Diameter ..						5				
Height ..						10				
Altitude ..						654				
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..										
February ..				3.45	1.34	.56	2.97	.83	1.82	1.35
March ..				2.35	2.25	.93	1.06	1.25	1.22	2.36
April ..				1.67	1.29	2.16	1.58	1.24	3.09	3.35
May ..				1.18	1.88	2.90	1.12	2.16	1.59	3.15
June ..				1.62	2.71	2.17	3.71	3.61	2.55	1.64
July ..				1.90	1.65	.88	1.79	4.43	.48	2.19
August ..				4.21	1.87	1.01	1.17	1.24	2.99	2.48
September ..				2.59	2.57	3.55	5.62	2.77	2.38	2.41
October ..				3.36	1.05	1.87	.98	.68	3.04	2.04
November ..				7.71	.77	2.32	5.34	5.82	2.47	3.32
December ..				1.37	1.80	4.08	4.04	1.78	1.36	.56
TOTALS ..				33.28	20.93	23.61	30.79	28.48	24.40	28.04

N.B. Annual values rejected from Survey Map, 1929.

10 3577

RAINFALL at Colt Crag Newcastle.

County of Northumberland

Observer A.L. Forster Esq. C.E.

River Basin North Tyne 4

*Rain Gauge, by*

Diameter ...	5										
Height .....	10										
Altitude ...	654										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.75	1.47	2.20	2.58	2.04	2.03	2.24	2.38	2.51	4.33	
February ...	2.17	1.81	2.14	.76	1.56	2.03	2.66	.84	1.86	1.57	
March .....	.43	2.29	2.10	3.34	2.65	.96	2.57	1.30	1.10	1.81	
April .....	2.03	1.74	.23	2.45	.90	.72	1.40	1.73	1.06	1.44	
May .....	2.18	.90	2.16	2.16	1.19	1.84	3.01	2.58	1.99	1.25	
June .....	1.09	3.94	3.72	2.70	2.79	.62	2.86	1.33	.85	1.20	
July .....	4.63	.79	2.72	.91	2.68	3.57	3.61	1.42	3.34	1.84	
August .....	3.51	2.87	5.45	2.00	1.92	2.44	3.52	7.33	1.97	2.72	
September ..	.68	2.31	2.56	2.18	1.19	1.25	1.38	2.04	5.15	1.65	
October ...	2.21	3.91	3.02	3.80	2.53	1.14	3.93	2.31	3.01	3.77	
November ...	3.14	3.89	2.00	1.93	3.83	1.09	4.63	1.43	.95	4.03	
December ...	1.73	3.05	2.50	1.22	5.51	4.24	2.95	1.54	2.38	3.50	
TOTALS ...	25.55	28.97	30.80	26.03	28.79	21.93	34.76	26.23	25.87	29.11	

N.B. Annual values rejected from Survey Map, 1929.

Res.

RAINFALL at Colt Brag, Newcastle N.W.County of NorthumberlandObserver A. L. Foster Esq. C.E. (dec)River Basin North Tyne &Alnwick Castle CE (1921)Snowdon Rain Gauge, by Casella 7804.  
soundexposed } ix. 26.  
measured wind

Diameter ...	5"											1920. MEAN.
Height .....	1 0											
Altitude ...	654											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January .....	2.96	4.86	2.85	1.28	2.41	2.00	2.45	2.37	4.61	1.84	3.42	
February .....	1.60	2.20	2.30	3.43	1.82	3.41	3.08	1.80	2.07	1.08	1.93	
March .....	2.47	1.33	1.90	1.54	1.09	2.16	1.11	2.65	3.76	.08	2.28	
April .....	3.13	78	1.91	1.93	1.92	2.72	1.34	2.59	.81	1.96	2.13	
May .....	3.53	1.39	1.98	1.76	6.30	2.93	2.65	2.04	1.57	.97	1.61	
June .....	1.41	78	2.01	1.91	1.27	1.12	4.42	4.30	4.32	2.11	1.04	
July .....	3.04	1.29	4.40	2.09	5.41	2.25	4.06	4.35	1.46	3.42	4.94	
August .....	2.14	6.78	2.16	4.23	4.20	4.54	3.78	5.90	4.01	3.06	4.93	
September...	1.64	2.00	4.38	1.75	2.94	3.90	3.09	6.23	1.23	1.19	2.89	
October .....	2.09	2.24	1.25	2.44	3.42	2.27	3.80	2.52	3.73	3.07	3.08	
November...	1.69	2.00	.72	3.34	1.27	1.67	3.33	3.28	3.78	3.17	2.85	
December...	4.13	2.94	3.43	2.02	2.67	3.65	.36	3.25	2.37	4.34	1.94	
TOTALS...	29.83	26.59	28.29	26.72	33.72	31.62	32.97	39.28	32.72	26.29	33.94	

Inspected by J. A. B. in fine 2 yrs square. Reservoir bank (yellow clay) at some distance to W. To E. & N. good exposure. To S. valley bank higher land beyond. Very good exposure but recommend building to level front of gauge.

## N.B. Annual values rejected from Survey Inst. 1929.

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	Parish Church.	Distance from gauge

## RAINFALL at Cok. Crag Res. (N'cle W.W.)

County of Northumberland

Observer A. Hardcastle, Esq., C.E.

River Basin North Tyne - 4.

Newcastle &amp; Gateshead d.w.co. (1938)

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

660605/26

Diameter	5"											
Height	1.0											
Altitude	654											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Total
January	1.63	1.85	1.32	1.95	2.08	1.31	3.04	2.13	5.03	1.64	2518	
February	1.99	.71	3.93	.27	3.22	2.57	3.43	.97	1.59	1.44	2012	
March	1.73	2.74	.89	3.66	1.05	2.07	2.86	1.02	3.57	2.99	2258	
April	3.48	8.17	1.79	3.22	2.73	1.46	2.19	.19	1.48	.99	2069	
May	2.79	3.08	1.72	1.32	.73	1.69	3.15	2.66	.95	.86	1895	
June	4.59	1.19	2.78	2.50	2.08	2.35	1.22	3.35	2.14	.51	2271	
July	4.11	3.09	2.75	3.10	.99	4.27	2.64	2.61	3.03	4.06	3065	
August	4.69	1.83	1.60	3.17	2.59	1.76	2.42	2.75	2.97	.92	2500	
September	1.21	4.07	1.82	1.98	3.61	5.05	3.40	1.67	1.66	1.75	2622	
October	1.65	4.81	3.54	4.35	4.72	2.51	2.51	5.20	5.40	1.95	3664	
November	3.24	1.83	3.21	2.96	3.39	3.11	1.08	2.29	3.71	2.35	2667	
December	1.61	1.90	.93	3.84	1.58	2.03	4.49	4.14	1.43	2.43	2438	
TOTALS	32.92	29.77	26.28	32.32	28.77	33.17	32.73	28.48	32.96	21.87	mp lowd	KM. 29979
	D	P	D	D	D	D	P	D	D			

1940 up loss - Jan. crop. for snow.

NB. Average rejected for January as 2° low. Letter 10/33

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

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

## RAINFALL at Galt Crag Res.

County of Northumberland Observer Newcastle + Gateshead W.C.O.

River Basin North Tyne - to

Type of Gauge

Annual Average 29.2 in. based on years obs. un-weighted. Period of average

Ref.

File No. 669605/26

Diameter	5"		012	594							
Height	1' 0"			1							
Altitude	654'			61							655'
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.95	3.31	2.95	1.50	4.62	2.07	1.95	8.27	2.02	2.22	32.86
February	4.88	1.71	1.87	2.04	2.67	1.04	3.03	2.24	1.62	3.99	25.09
March	2.89	1.96	1.09	68	68	1.80	3.92	1.23	1.06	1.27	16.58
April	1.50	1.22	1.42	1.93	2.18	1.75	3.90	2.16	1.66	2.32	19.04
May	2.28	1.12	3.39	2.49	4.58	2.06	2.57	1.94	1.20	1.60	23.23
June	.42	.97	2.61	2.14	2.37	2.81	3.96	3.44	1.05	2.42	22.19
July	1.02	2.46	2.14	3.25	1.79	3.67	4.00	1.42	2.49	3.99	26.23
August	4.22	3.14	4.35	2.24	1.23	4.38	2.27	5.42	2.34	4.50	32.09
September	.63	2.60	2.66	6.38	1.95	4.01	1.49	3.40	2.52	4.62	30.26
October	3.80	2.74	3.29	3.23	3.29	1.73	1.88	2.13	3.48	2.01	25.58
November	2.88	.58	2.17	6.61	.81	4.42	3.63	2.50	3.38	5.14	32.12
December	.78	2.37	1.38	2.11	1.42	2.04	3.20	2.20	4.56	2.00	22.06
TOTALS	29.25	24.18	29.32	34.60	27.59	29.78	32.80	36.55	27.38	36.08	307.33
	D	D	D	D	D	P	D	D	D	D	10

used in general table in italics. Origin unknown P.D.

1948 Rep'd by Dr Campbell 2/18 Standard gauge, no bottom to outer case. Lower exposure. Large report into

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

Station No. 3577

11.50

RAINFALL at Galt Tong ReservoirCounty of NorthumberlandObserver Newcastle & Gateshead W.L.C.River Basin North Tyne - 4Type of Gauge omitted 1955Annual Average 29.5 in. based on years obs. un-weighted. Period of average

Ref.

Origin unknown

" 31.85 " 17 " 1941-57 " " 1916-56 " 52

File No. 660605/26

Diameter	5"	012	594									
Height	1' 0"			1								
Altitude	655'			51								
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	1951-60
January	2.17	3.17	1.16	2.94	3.04	3.33	2.90	1.68	1.88	4.29	26.56	
February	2.03	.53	1.88	1.79	2.80	2.45	2.66	4.06	.74	2.18	21.15	
March	3.40	2.08	.62	1.32	1.77	.96	2.44	3.08	1.04	2.10	18.81	
April	2.18	2.08	3.28	.85	.93	.86	.82	2.05	2.22	1.48	16.75	
May	3.26	1.50	2.08	4.38	2.18	2.62	1.56	3.50	.45	2.17	21.60	
June	1.24	1.74	1.89	1.86	2.22	1.29	1.77	3.08	3.02	0.71	21.82	
July	2.27	1.91	2.68	3.24	1.67	2.45	3.66	4.69	2.94	4.70	30.24	
August	5.34	3.27	3.36	5.09	1.07	4.84	4.18	3.40	.50	2.71	36.76	
September	1.37	3.24	4.50	5.28	2.06	2.96	3.50	2.86	.83	1.62	28.22	
October	1.10	2.71	1.06	6.01	1.66	2.31	2.51	2.19	2.49	5.87	27.91	
November	6.69	3.22	2.12	3.00	1.36	1.08	2.05	1.06	5.45	3.80	29.83	
December	2.03	3.39	1.75	2.90	3.88	2.22	1.92	3.78	4.39	3.23	29.49	
TOTALS	33.08	28.84	26.38	38.66	24.64	31.33	29.97	35.43	25.95	34.86	309.14	10
	0	D	D	D	D	D	D	D	D	D		

\* Read in general tables in *Tables of Rainfall and Rainfall Intensity*

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference NY 359297.84

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

Summary of Earlier Records from 10-year Sheets : 1901-1906

Record D. or d	C 1903	1910-19	1920-30	1931-40	1941-50	1951-60
		-	✓	✓ np 40	✓	
		-	✓ but - 21-25	✓	✓	