

RAINFALL AT Royal Cottage Newcastle Water Works

Lat. Lon. County of Northumberland

Rain Gauge, by Observer A. L. Forster Esq. cl
N. Tyne - 4 ft.

Diameter ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height ..							0 9				
Altitude ..							463				
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ..						.70	3.53	.68	2.00	1.31	
February ..						1.32	1.36	1.16	1.18	2.78	
March ..						2.51	2.38	1.27	4.05	4.67	
April ..						5.87	1.66	2.10	1.85	3.38	
May ..						1.37	5.01	3.07	2.70	1.76	
June ..						1.25	2.33	3.83	1.40	2.20	
July ..						1.44	2.74	1.82	3.05	2.72	
August ..						4.79	6.55	2.58	1.85	2.32	
September ..						2.40	1.28	.71	2.71	1.73	
October ..						3.07	5.55	6.82	2.79	2.63	
November ..						6.11	5.52	1.55	1.32	.52	
December ..						1.38	2.75	2.74	1.01	3.89	
TOTALS ..						31.94	40.66	27.33	24.91	29.91	

RAINFALL at Rydal Cottage Newcastle-upon-Tyne.

County of Northumberland

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

River Basin Coquet & C. 5

Square Rain Gauge, by

Diameter ...	10 □											
Height	0 9											
Altitude ...	463											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.42	1.87	2.61	3.12	1.82	2.23	2.05	3.44	2.34	3.96		
February ...	2.61	1.46	2.63	.67	1.51	1.94	3.55	.77	1.79	1.62		
March41	2.67	1.86	3.81	2.76	1.81	3.73	1.54	1.32	2.18		
April	2.43	1.74	.22	2.49	.75	.76	1.35	2.89	1.24	1.58		
May	2.08	.83	2.15	2.13	1.27	1.88	2.89	2.40	1.85	1.17		
June.....	1.39	4.65	4.34	1.90	3.65	.70	1.93	1.10	.51	.98		
July	3.92	.84	2.90	1.03	2.62	3.84	3.36	.75	2.39	2.81		
August.....	4.07	2.69	6.12	2.15	2.54	3.11	3.67	5.90	1.66	3.81		
September ..	.73	2.46	2.52	2.78	1.13	1.90	1.34	2.23	4.55	1.83		
October ...	2.88	3.81	2.85	3.59	2.78	1.37	3.31	2.18	2.66	4.57		
November ...	3.34	3.86	1.64	1.60	3.70	1.64	4.24	1.35	1.01	4.66		
December ...	1.96	3.26	2.68	1.56	4.94	5.15	3.20	2.17	2.43	2.90		
TOTALS ...	27.69	30.14	32.52	26.83	29.42	26.33	34.62	26.72	23.75	30.61		

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

RAINFALL at Ryhope Cottage Newcastle N.W.

County of Northumberland

Observer A. S. Gorster Esq. C.E. (dec?)

River Basin Coquet & C. S.

A Hardcastle CE (1921)

Shropshire

Rain Gauge by
pol. iron - sound & correct } ix. 26
measure correct

Diameter ...	<input checked="" type="checkbox"/>	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN.
Height	0.9											
Altitude ...	463											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		
January ...	2.80	5.07	2.98	1.19	2.29	1.60	2.11	1.75	3.54	1.57	3.26	
February ...	1.41	1.3	2.51	3.90	1.84	2.76	2.30	1.70	1.76	.82	2.02	
March	2.53	1.22	1.62	1.60	1.98	2.25	1.22	2.61	2.46	.26	2.19	
April	3.66	.80	2.23	2.08	1.53	2.30	1.13	2.22	.68	2.01	1.69	
May	3.64	1.23	.53	1.37	5.74	3.04	2.44	1.72	1.17	.88	1.16	
June	1.32	.76	1.53	.88	1.42	.11	4.57	4.04	3.67	1.42	.89	
July	3.60	1.48	3.93	1.93	4.90	1.49	3.80	4.27	1.51	3.49	4.71	
August	2.18	6.64	1.87	4.45	2.61	4.11	2.40	5.62	3.99	2.78	5.72	
September...	1.43	1.68	4.39	1.50	2.70	3.82	2.82	3.93	.98	1.49	2.46	
October.....	1.83	2.25	1.42	2.18	2.62	1.90	3.23	2.23	3.36	2.48	2.73	
November...	1.25	2.19	.75	3.81	1.12	1.89	2.86	2.77	2.78	2.81	2.74	
December...	4.82	1.89	3.70	1.91	2.53	4.44	.45	3.07	1.88	3.87	2.32	
TOTALS...	30.47	25.36	27.46	26.80	29.28	29.71	29.33	34.92	27.78	23.88	33.07	

Inspected & signed 18.26. by steam with edges on either side.
Excellent exposure.

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 Ryal Cottage (Newcastle W.W.)

County of Northumberland

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

River Basin North Tyne - 4

Newcastle & Gateshead W.C.O. (1936)

Type of Gauge

Annual Average 29.1 in. based on 22 years obs. un-weighted. Period of average 1931-1935 Ref. S

660605/26

Diameter	5										
Height	10.5										
Altitude	0.9										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total 605
January	1.70	1.42	1.24	1.58	2.21	3.60	2.39	1.34	5.19	1.71	2238
February	1.71	.73	3.66	1.35	3.25	2.58	2.67	.95	1.28	2.49	1967
March	1.23	2.14	1.57	3.89	.87	1.93	2.94	.74	3.81	3.42	2262
April	3.53	2.17	1.42	3.74	2.48	1.38	2.11	.25	1.14	.99	1921
May	2.87	2.95	1.80	1.26	.74	1.46	2.76	2.44	.97	.88	1813
June	4.81	1.41	2.27	2.41	1.81	2.39	1.58	3.40	2.22	.48	2278
July	3.73	2.92	2.93	3.19	.66	2.85	2.55	2.45	2.80	6.95	3103
August	4.21	1.70	2.00	3.42	2.33	2.30	2.80	2.48	2.50	1.03	2477
September	1.12	3.52	1.77	1.86	3.08	3.61	2.75	1.26	1.44	1.81	2222
October	.97	4.05	3.29	3.42	4.68	2.01	2.20	4.06	6.01	2.88	3357
November	2.72	1.08	2.90	2.98	3.46	2.86	1.05	2.40	3.40	3.01	2586
December	1.28	1.28	.94	3.79	1.63	1.91	4.44	2.82	1.34	2.31	2174
TOTALS	29.88	25.87	25.79	31.89	27.20	28.93	30.24	24.59	32.10	27.96	M. 28398 KM

The gauge is 5' clean & round, and
1 mile approx.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. TF 3571

RAINFALL at Royal Cottage (Newcastle W.W.)

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County of Northumberland

Observer Newcastle & Gateshead W.L.C.

River Basin North Tyne

Type of Gauge.

Annual Average 29.1 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No. 660605/26

Diameter	5 ¹⁰ "	012	804								
Height	0' 9"			1							
Altitude	463		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.27	3.83	2.68	0.97	(4.43)	2.03	1.64	2.60	1.25	1.96	30.66
February	5.32	1.83	1.49	1.52	(1.94)	0.78	3.23	1.76	1.01	4.10	22.98
March	3.14	1.26	0.73	0.29	0.41	1.50	3.93	0.89	0.57	0.94	13.66
April	1.64	0.90	1.14	1.92	1.71	0.59	2.92	1.78	1.29	1.85	15.74
May	1.95	1.20	3.09	2.05	3.46	1.86	1.95	1.45	0.81	1.44	19.26
June	4.41	1.09	2.15	2.25	3.21	2.15	3.14	2.65	1.90	1.43	19.38
July	1.87	2.71	2.11	2.39	1.69	3.23	3.95	1.04	2.02	3.21	24.22
August	3.36	4.26	4.35	2.39	1.06	4.10	1.7	4.70	2.56	4.18	31.13
September	4.43	2.48	2.72	6.18	1.52	3.80	1.18	2.77	1.81	3.54	26.48
October	3.67	2.54	3.07	2.56	3.06	0.47	0.75	1.42	2.95	1.35	21.84
November	2.91	4.41	1.76	6.37	0.60	4.14	2.84	2.05	3.22	4.85	29.15
December	4.49	2.08	1.23	1.54	1.32	1.93	2.92	1.55	3.24	1.89	18.19
TOTALS	29.46	24.59	26.52	30.43	24.41	26.58	28.62	29.66	21.63	30.74	272.64

1945 Jan. & Feb. affloated

50004

1948 Repaired by Dr G. Campbell 2/19. G. needs replacing as rim is off. Site fairly general. Description in C.R.

M103
X

An inspection in 1926 the gauge was found to be 5" diam. - round.

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. 3571

T.F. 50

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RAINFALL at Royal Cottage

County of Northumberland

Observer Newcastle & Gateshead W.C.O.

River Basin North Tyne - 4

Type of Gauge.

Annual Average 27.1 in. based on 23 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " 27.96 " 34 " with 1920-57 " File No. 260605/26

Diameter ...	5"	012	804								
Height ...	0' 9"			1							
Altitude ...	N63'	X	51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	1.78	2.50	1.67	2.43	2.45	3.16	1.88	1.64	1.62	3.93	22.06
February	2.05	1.33	1.44	1.59	2.17	2.29	2.47	4.04	.57	1.69	18.62
March	3.41	1.71	1.43	1.77	1.93	1.70	1.69	2.58	1.82	1.95	15.99
April	1.77	1.81	2.69	.50	.69	1.65	.76	1.80	1.78	1.09	13.54
May	2.98	1.37	1.52	3.52	1.21	1.28	1.39	3.50	.26	1.80	17.83
June	1.01	1.54	1.35	1.54	1.79	3.82	1.57	2.86	1.45	0.58	17.51
July	1.88	1.48	2.31	2.43	1.26	2.07	4.23	4.32	2.68	4.44	27.10
August	4.49	2.67	3.74	4.24	.92	1.51	3.53	2.30	.29	2.55	32.24
September	1.30	2.53	3.43	4.28	1.33	2.84	2.39	3.12	.69	1.07	22.98
October	.68	2.13	1.03	5.17	1.25	1.67	2.29	1.62	2.29	5.32	23.45
November	6.54	2.54	1.45	2.71	1.10	1.53	1.69	.66	5.27	3.08	25.57
December	1.50	2.87	1.26	2.46	3.45	1.62	1.82	3.55	3.81	2.70	25.04
TOTALS ...	29.39	23.48	21.32	31.64	19.55	21.12	25.71	31.99	21.53	30.20	261.93
	M	M	M	M	M	M	M	M	M	M	10

1955 Feb part 15d.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference N.Y. 45 997748

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

Summary of Earlier Records from 10-year Sheets :

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