

RAINFALL AT *Grasside Northway,* *Northumberland*

Observer *Sir W. G. Armstrong**Spur New N. & Whaler*

Rain { By

Gauge { Diameter *2* in.Height above Ground, *1* ft. in.Above Mean Sea Level *400* ft.

YEAR.....									<i>1869</i>	MEANS.
January.....									<i>1.95</i>	
February									<i>1.68</i>	
March									<i>3.41</i>	
April									<i>1.87</i>	
May									<i>3.60</i>	
June									<i>2.35</i>	
July									<i>.15</i>	
August									<i>1.72</i>	
September....									<i>2.25</i>	
October									<i>2.78</i>	
November.....									<i>1.89</i>	
December.....									<i>3.29</i>	
TOTALS									<i>25.54</i>	<i>26.94</i>

RAINFALL AT Rothbury Cragside

Lat.....

Lon.....

County of.....

Northumberland

Rain Gauge, by.....

Observer.....

Rev. F. A. S. Wheeler

Diameter.....	.8										
Height.....	1										
Altitude.....	400										
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.37	1.95	2.96	2.28	1.91	3.08	.81	4.47	3.25	3.10	
February.....	3.20	4.07	3.53	1.78	1.45	3.15	3.86	3.23	1.70	1.55	
March.....	.35	.95	5.05	2.98	1.23	.96	2.60	5.60	1.17	1.42	
April.....	.98	4.25	5.62	1.27	1.25	1.13	6.21	4.96	2.19	3.19	
May.....	1.42	1.01	2.97	2.28	1.55	1.15	1.43	5.00	3.19	2.29	
June.....	1.31	2.79	1.83	1.30	2.50	1.64	.98	1.69	2.79	4.10	
July.....	1.46	1.14	3.64	2.46	3.30	1.51	.60	2.73	.32	6.42	
August.....	1.87	1.40	4.02	3.96	5.63	1.12	2.89	8.34	5.74	3.51	
September.....	.91	3.92	5.40	1.87	2.58	3.74	4.17	2.75	2.69	1.37	
October.....	4.35	3.00	6.53	2.66	2.35	5.88	1.89	4.09	2.70	1.02	
November.....	3.62	2.33	5.56	2.15	5.68	3.65	5.43	2.50	6.13	1.60	
December.....	5.40	2.58	7.92	1.74	3.60	4.71	12.64	2.01	3.30	1.43	
TOTALS.....	27.24	29.39	55.03	25.73	33.03	31.72	43.51	47.37	35.17	31.00	35.919

1878 Wall 12 ft high 45 ft distant & a few low bushes
 1879 " 9 ft " 40 " " NW.

Rothbury church 1 mile S.W.

1873 - Brinkburn Priory

RAINFALL AT Rothbury, Cragside 80

Lat. _____

Lon. _____ County of Northumberland

Rain Gauge, by _____

Observer Mr. M. Perham

Boquett 5

Diameter	8										
Height	1.0								1.3		
Altitude	400 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	68	2.15	1.33	3.06	4.56	2.70	6.04	1.82	.81	.94	2.409
February	1.99	3.64	1.04	2.06	3.41	1.58	1.30	.55	3.35	1.74	2.066
March	2.07	3.38	3.24	2.09	1.63	2.70	4.46	2.35	5.25	3.43	3.060
April	1.35	1.78	4.41	2.12	2.28	2.18	2.27	1.22	2.46	5.17	2.524
May	2.11	2.68	2.54	2.71	1.79	5.25	3.66	1.69	1.02	1.71	2.515
June	1.12	2.70	4.40	2.60	1.20	.92	1.43	.27	2.89	.17	1.770
July	4.37	3.87	2.50	5.22	4.10	1.24	4.25	2.45	4.90	2.53	3.543
August	1.02	5.88	3.05	3.07	1.35	1.79	1.17	2.02	2.90	3.44	2.569
September....	4.58	5.24	2.61	4.29	2.10	3.39	2.38	5.31	1.26	1.97	3.313
October	4.73	4.39	4.60	2.53	2.36	5.29	5.23	2.52	1.35	5.44	3.844
November....	3.15	2.90	4.31	1.36	2.46	3.11	5.94	4.10	6.42	.48	3.423
December ...	2.63	4.52	4.60	2.22	2.79	1.57	4.53	3.99	1.88	1.20	2.993
TOTALS	29.80	43.13	38.63	33.33	30.03	31.72	42.65	28.29	34.49	28.22	34.029

1881. Rothbury 1 mile S.W.
 1889 Wace 19 ft high 90 ft N.W.

RAINFALL AT Rothbury bridge

Lat.

Lon.

 County of Northumberland

Rain Gauge, by

 Observer Lord Armstrong C.B.
Loggett 5

Diameter	8											
Height	10											
Altitude	400 π											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.35	1.86	1.49	1.39	2.75	6.06	1.38	3.59	.79	3.20	2.186	1
February	1.86	.07	3.08	4.67	5.31	1.90	.80	1.55	1.00	2.17	2.211	
March	2.98	5.24	1.58	.27	1.04	3.67	2.94	4.87	2.43	2.49	2.757	
April .....	.79	2.32	1.26	.53	1.34	1.62	1.12	2.23	3.74	4.24	1.919	1
May	2.17	2.49	3.80	1.58	3.72	.51	1.17	1.21	1.50	3.13	2.128	1
June	5.06	.32	4.02	1.53	3.04	2.18	2.54	2.53	2.00	1.21	2.1143	
July	1.91	3.46	1.88	3.70	2.48	4.90	3.58	2.42	.87	2.79	2.799	1
August	5.70	5.88	4.44	2.29	2.95	4.19	3.37	2.36	2.12	.99	2.129	1
September....	1.65	3.58	2.27	1.91	1.64	.19	3.91	3.86	1.49	4.00	2.458	
October	2.20	3.27	5.34	.74	6.06	7.27	8.75	1.86	7.67	2.13	4.629	1
November....	5.23	3.02	1.65	3.56	1.12	3.25	2.22	2.91	4.85	2.41	2.022	
December	1.44	4.66	1.00	1.84	1.96	2.92	7.38	2.69	2.49	4.35	2.072	
TOTALS	33.34	36.17	31.81	24.01	33.41	38.66	39.16	32.08	30.95	33.11	23.270	

1890 Rothbury Church 1 Mile SW

1880

1895 Wall 9 ft high 90 ft S.W.

* 1890 Copy sent 17.12 (Orkington Water 1914) 33.49

* 1899 " " " " " " 33.17

RAINFALL AT Rothbury Grange

Lat.

Lon.

County of Northumberland

Rain Gauge, by

Observer W. Watson Armstrong Esq

Couset - 5.

M. W. Bertram

Diameter ..	8											
Height	10											
Altitude ..	400 N					405 N						
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	5.16	3.68	1.13	4.71	2.07	.57	3.15	.88	2.22	1.58	2.515	
February ..	7.37	2.02	2.16	2.01	3.11	1.20	1.12	1.84	1.86	3.00	2.569	
March	3.06	3.03	1.62	2.20	2.29	2.18	2.03	1.59	4.85	6.65	29.50	
April	1.63	1.30	1.84	1.66	1.73	3.23	.89	2.97	3.37	3.46	2.208	
May	1.53	3.53	3.60	1.93	2.81	1.05	5.82	4.56	2.37	1.90	2.910	
June	4.03	1.38	2.28	1.87	1.80	1.21	2.34	3.57	.51	2.87	2.186	
July	1.64	2.51	2.58	5.15	1.30	.68	1.77	1.58	2.63	2.41	2.225	
August	4.79	3.38	1.53	2.80	2.52	4.94	4.27	2.48	2.68	3.05	3.244	
September ..	1.01	1.37	1.45	2.89	1.32	2.24	.79	.37	2.29	2.22	1.595	
October	6.06	2.13	2.10	9.55	.46	4.31	7.98	7.68	3.15	3.07	4.649	
November ..	5.07	6.41	2.38	2.38	3.34	6.88	3.31	2.68	1.68	.74	3.487	
December ..	2.67	3.81	5.38	3.34	2.50	.89	2.66	3.92	1.88	4.19	3.124	
TOTALS ..	44.02	34.55	28.05	40.49	25.25	29.38	36.13	34.12	29.49	35.14	32.662	525

1901 Rothbury Church 1 mile S.W.

Wall 9 ft high 90 ft W

Rothbury Station 1/4 mile S

* 1900 copy sent to 14 (Oakington Water) 44.15

RAINFALL at Rothbury CascadeCounty of NorthumberlandObserver Mr W BertramRiver Basin Cogwell & C 5Mr H. Hudson (1916)Instrument M.O. Rain Gauge, by NF 3funnel $\left\{ \begin{array}{l} 8.00 \\ 8.00 \\ 7.99 \\ 8.00 \end{array} \right.$

glass correct except a little high at .40 (20 x 14)

Diameter ...	8										
Height	1.0										
Altitude ...	405 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.26	2.46	4.29	4.74	2.35	2.50	2.41	3.39	4.26	4.79	
February ...	3.02	1.26	3.40	1.17	2.40	4.56	3.69	1.26	1.51	2.46	
March .....	.92	3.28	3.03	4.35	3.38	2.06	4.95	2.56	1.00	2.51	
April	2.32	1.76	.20	3.26	.67	.53	1.49	3.04	1.73	1.52	
May	2.40	1.23	1.89	3.42	2.00	1.86	2.59	1.66	2.80	.82	
June	1.19	6.00	5.45	2.47	3.64	.52	2.20	1.79	.56	.86	
July	3.37	.56	3.21	.83	2.73	4.31	3.50	1.32	3.18	1.56	
August	3.65	2.28	5.52	2.17	1.87	2.19	2.96	6.30	1.34	2.58	
September ..	.82	2.09	2.80	2.28	1.00	2.00	2.32	1.21	3.42	1.27	
October ...	2.87	4.58	4.21	2.30	3.69	2.19	3.63	2.39	3.00	6.15	
November ...	4.27	4.64	2.75	1.58	4.57	2.50	4.76	1.57	1.94	6.17	
December ...	3.01	4.44	2.65	1.86	6.63	6.68	4.14	2.96	2.67	4.10	
TOTALS ...	31.10	34.58	39.40	30.43	34.93	32.20	38.64	29.45	27.46	35.49	23.62

1914 Shrub 12 ft high 30 yds N.W.

1917 rec. 0.19 ent 21.19.

* Sep. 1918 Almost certainly 2.00 in. short, but Obs. series.

Inspected { Perfectly sound gauge on terrace facing south with low parapet 6 ft 6 in high
 Es. 20 x 14 { about 6 ft S. Small fir trees on W. but safely distant. A fully open
 position but not over exposed. Obs. very keen experienced

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Rothbury	1 m 2	SW	Rothbury	1 m 2	SSW 5

RAINFALL at Roithbury CragsideCounty of NorthumberlandObserver Mr. H. Hudson
Miss L. Hudson (1921)River Basin Coquet & C. S.Japanesedine M.O. Rain Gauge, by M. & S.

Diameter ...	8										
Height	1.3										
Altitude ...	405										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.73	5.03	4.20	1.85	2.82	1.90					
February ...	1.73	.46	2.52	4.29	1.64	5.48					
March	2.75	1.34	2.57	1.58	.96	2.36					
April	3.42	.79	2.39	2.34	2.13	2.11					
May	3.56	2.34	1.07	2.35	3.40	3.24					
June .....	.99	.52	1.32	.76	2.28	.13					
July	3.45	1.95	4.80	1.75	5.95	2.60					
August	2.69	5.62	1.63	3.98	2.51	3.02					
September...	1.41	1.75	4.21	2.25	2.83	3.73					
October	2.31	2.73	2.03	2.64	3.79	2.21					
November...	1.09	3.13	1.09	4.55	1.56	2.43					
December...	6.16	2.07	4.19	2.41	2.86	4.95					
TOTALS...	32.29	27.73	31.97	30.75	34.74	35.16	#				

1920 Shrubs 30.74 13Position 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
1920			Roithbury	1 mi	W	Roithbury	1 mi	W