

# RAINFALL AT *Darlington* *Hartlepool, Hurworth* 80

Lat. .... Lon. .... County of *Durham*  
Rain Gauge, by ..... Observer *J. E. Backhouse Esq.*

*Lees 1.*

Diameter ....							5					
Height .....							1.0					
Altitude ....							161					
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....							3.62	1.91	.67	.98		
February ....							.64	.89	1.28	1.19		
March .....							2.48	1.72	3.14	2.94		
April .....							2.16	1.09	2.45	2.55		
May .....							4.42	1.76	.62	2.45		
June .....							.69	.58	2.03	.29		
July .....							4.34	1.16	3.82	2.25		
August .....							1.58	1.84	1.77	3.37		
September....							1.73	2.86	1.35	.74		
October .....							4.39	1.83	.43	4.71		
November....							2.81	2.96	3.51	.86		
December....							3.63	1.63	1.06	1.49		
TOTALS .....							32.49	20.23	22.13	23.82		

*Hurworth Church  $\frac{1}{2}$  mile E.*

*1886 Garden Wall 13ft. high. 75ft. W.*

*1888 Wall 13ft. " 102ft. W.*

*" 13ft. " 120ft. E*

# RAINFALL AT *Darlington Hurworth Grange*

Lat.

Lon.

County of

*Durham*

Rain Gauge, by

Observer

*J. E. Backhouse Esq*
*See 1.*

Diameter ....	5											
Height .....	1 0											
Altitude ....	161 <del>K</del>											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	2.40	1.18	1.34	1.64	1.70	4.04	.99	1.48	.89	2.61	1.827	
February ....	1.14	.03	1.99	1.87	2.91	.94	.46	1.59	1.27	1.65	1.385	
March .....	1.73	1.44	.96	.42	.96	2.38	2.33	2.57	1.59	1.01	1.539	
April .....	.83	2.61	1.52	.60	1.84	1.68	.64	2.00	2.16	2.26	1.614	
May .....	2.11	1.64	2.40	2.67	2.23	.72	.42	1.58	1.81	3.50	1.908	
June .....	2.50	.54	3.64	.90	3.91	1.88	3.45	2.19	2.29	2.05	2.335	
July .....	1.41	4.44	1.31	2.22	2.20	5.65	2.03	1.15	.87	1.82	2.310	
August .....	4.82	3.91	4.04	2.45	2.00	2.06	1.25	2.88	2.06	1.33	2.680	
September....	2.25	2.08	1.90	1.52	.47	.92	3.26	2.07	.26	3.04	1.777	
October .....	1.35	3.00	4.86	1.13	4.91	3.52	3.48	2.14	3.04	2.31	2.977	
November....	3.55	2.34	1.15	2.38	.97	3.12	1.11	2.08	2.56	2.07	2.133	
December ....	1.33	2.94	.99	2.22	1.76	1.85	3.54	2.55	1.61	3.03	2.182	
TOTALS . . .	25.45	26.15	26.10	20.02	25.86	28.76	22.96	24.28	20.41	26.68	24.667	

1890 Hurworth Church  $\frac{2}{3}$  Mile E

Wall 13 ft high 75 ft W 102 ft N 120 ft E

# RAINFALL AT *Darlington Hurworth Gauge*

Lat. ....

Lon. ....

County of *Durham*

Rain Gauge, by .....

Observer *Wm. Backhouse*

*Dec -1.*

Diameter ..	5										
Height ....	1.0										
Altitude ..	161 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	2.76	1.63	.73	2.54	2.26	.51	2.79	.64	.98	.95	1.579
February ..	5.34	1.18	1.11	1.50	1.97	.85	1.14	1.29	1.81	1.20	1.739
March ....	1.21	2.27	.85	2.70	1.99	1.70	1.17	.92	3.57	4.03	2.041
April .....	1.18	1.58	1.61	1.09	1.57	3.02	1.00	1.90	2.17	2.03	1.715
May .....	1.58	1.29	2.03	3.47	3.59	.91	2.99	3.99	1.64	1.04	2.273
June .....	2.97	1.71	2.03	1.97	1.84	1.22	.89	3.32	.55	2.10	1.860
July .....	2.75	3.88	2.71	3.74	2.22	.88	2.11	2.24	3.21	2.21	2.595
August ....	6.29	1.26	1.96	1.93	2.60	3.47	2.78	1.45	1.16	5.05	2.795
September ..	.85	1.37	.83	2.85	1.59	2.21	.44	.55	2.36	1.68	1.473
October ....	5.07	1.96	2.97	7.06	.74	1.70	4.43	4.20	1.41	2.48	3.202
November ..	2.34	5.08	1.17	1.43	1.59	4.56	2.61	2.56	1.22	.68	2.324
December ..	1.75	3.45	1.86	1.81	2.00	.41	2.37	2.90	.88	3.60	2.103
TOTALS ..	34.09	26.66	19.86	32.09	23.96	21.44	24.72	25.86	20.96	27.35	25.00

1900 Hurworth Church  $\frac{2}{3}$  mile E

Wall 13 ft high 102 ft N

" " " 120 " E

" " " 75 " W

1905 Gypshale Station N.E.R.  $\frac{1}{2}$  mile W

*Hub*



RAINFALL at Darlington Hurworth RangeCounty of DurhamObserver Late Mr J. E. BackhouseRiver Basin Jees & C 1J. E. Backhouse Esq (11)  
Mr J. SimpsonRain Gauge, by N 2 1/2

Diameter ...	5										
Height .....	1 0										
Altitude ...	161 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.58	1.36	2.49	3.39	1.75	2.12					
February ...	2.56	.97	1.57	.85	1.20	2.66					
March .....	.52	1.93	2.19	2.34	1.63	1.13					
April .....	2.02	1.12	.00	3.44	.52	.76					
May .....	2.44	1.67	2.05	1.79	1.48						
June .....	2.19	2.60	6.30	.76	3.79						
July .....	3.56	.60	4.25	.64	2.70						
August .....	2.71	2.59	4.46	1.34	1.40						
September ..	.10	2.17	1.74	2.60	1.76						
October ...	2.29	2.65	2.21	2.17	1.84						
November ..	2.52	3.74	1.77	1.38	2.79						
December ...	2.34	4.18	1.34	1.20	3.93						
TOTALS ...	25.83	25.58	30.37	22.50	24.79						
	3	3	3	3	7						

1911 moved 10 yds NNE in spring  
 Wall 13 ft high 102 ft  
 120  
 75  
 N  
 E  
 W

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	54.29.5	1.32.24 W	Groft Spa	4 mi	W	Hurworth	3 mi	E