

Baron Castle
Rainfall at Darlington
South End Gardens

6-3-150

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -										0.69	
February - -										0.99	
March - - -										2.40	
April - - -										1.98	
May - - -										1.30	
June - - -										2.85	
July - - -										4.44	
August - -										1.91	
September -										2.25	
October - -										2.50	
November -										4.73	
December -										2.61	
TOTALS -										27.65	

Obs bad till 1859

Darlington
South End Gardens

John Richardson

Cassella

40 645

5 in + ground 4 ft + Sea Level 140 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.55	1.39	2.01	2.41	1.17	1.03	3.47	5.50	4.58	2.46	2.657
February - -	1.99	6.28	.79	.57	1.20	.96	1.59	1.86	1.33	.78	1.735
March - - -	2.39	3.94	3.48	1.54	2.50	1.64	3.78	4.60	1.44	1.71	2.702
April - - -	.77	1.43	.90	.55	1.24	1.60	2.69	3.92	2.19	1.16	1.645
May - - -	4.25	.65	1.82	1.29	1.81	3.59	1.20	3.72	1.62	3.28	2.323
June - - -	2.82	4.12	2.22	2.29	2.24	.74	2.87	2.63	.46	1.32	2.171
July - - -	3.76	2.68	1.99	.65	.65	1.92	5.94	4.11	2.00	1.01	2.471
August - -	3.61	2.24	2.27	2.22	1.92	5.19	3.62	4.51	3.13	1.43	3.014
September -	1.19	2.91	1.04	1.61	1.61	28	7.24	2.60	5.47	3.76	2.771
October - -	2.00	1.28	2.50	3.03	2.32	5.56	2.69	1.85	2.61	2.45	2.629
November -	2.08	3.66	1.27	1.95	2.89	2.69	1.92	1.19	2.11	2.26	2.202
December -	4.50	2.25	.96	1.15	2.56	1.05	1.70	4.30	10.31	2.41	3.199
TOTALS -	31.91	32.83	21.25	19.26	22.11	27.05	38.71	40.79	37.25	24.03	29.519

8 8 8 c c c c c c c c c c

On lawn 150 yds from the house & quite clear of any obstruction

1869 Oct 16th - g. lowered from 4ft to 5ft - .

1867 - Agrees with ppt by S. Marshall

Extract from letter dated Feb 8th 1869 "McGlaisher has been here, and says, that it is "not in nature to give, the quantity of Rain I have got, he has not been able to point me out the fault, (if there is one) and the gauge is the same, and in the same position, in which he left it three years ago he then measured it to 4.981 inches. — I have ordered from McGlaisher, one of his own gauges by which to test my present one, and if you would kindly advise me regarding the most best for it, I will go by your directions as near as I can."

RAINFALL AT Darlington Southend

Durham

Observer.....

Rain { By.....
 Gauge C. G. Lanchester's gauge
 Diameter 8 in. Height above Ground, ft. in. Above Mean Sea Level..... ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....											
February											
March											1.72
April											1.20
May											3.35
June.....											1.33
July											1.03
August											1.48
September....											4.11
October											
November.....											
December											
TOTALS											

Gauge started in accordance with note on preceding sheet

RAINFALL AT Darlington Southend Gardens

Lat......

Lon..... County of Durham

County of... Durham

Shallow Rain Gauge, by Observer

RAINFALL AT Darlington South End

Lat..... Long..... County of..... Durham

Rain Gauge, by..... Observer Mr. Jno. Richardson
1875 No. N. Black

Diameter	8										
Height	10	1.0	10								
Altitude	130		140								
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	1.80	1.00	2.36			2.29	1.52	3.98	2.17	1.19	
February	1.78	1.66	2.57			1.46	1.84	1.51	1.09	2.76	
March	1.56	.81	2.96			1.50	2.58	1.88	.72	.94	
April	.45	2.48	2.54			1.80	2.50	4.13	2.25	1.91	
May	1.6	1.51	2.01			1.94	1.20	2.18	3.57	1.32	
June	1.73	3.60	2.47			2.71	2.13	1.34	2.13	3.74	
July	1.41	3.53	2.89			5.16	2.45	3.46	1.01	3.05	
August	2.18	1.14	4.47			1.91	1.92	5.50	4.58	2.83	
September	1.47	3.66	3.03			2.97	3.34	1.95	1.43	1.03	
October	4.94	2.10	3.90			4.32	1.66	2.90	1.70	.65	
November	1.94	1.37	4.62			5.49	2.95	2.47	5.16	1.97	
December	3.13	1.41	2.68			1.63	5.58	1.67	2.47	.79	
TOTALS	21.15	24.27	36.50	(17.50)	(20.00)	29.18	28.67	32.97	28.28	22.18	(26.070)
	C	C	C								

1871 - Rain returned as 9 in., should be 8 in.

1873 + 1874 estimated from Egglecliffe [Yarm] -
Ganton & Brinkburn

RAINFALL AT Darlington South End.

Lat.....

Lon..... County of Durham.....

Rain Gauge, by..... Observer Mr. J. Richardson.....

Diameter.....	.5										
Height.....	3	1	0	10							
Altitude	140		140.0								
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.38	1.67	1.90								
February.....	1.09	1.29	1.66								
March.....	1.20	1.76	1.26								
April.....	-47	2.02	2.11								
May.....	.70	1.32	1.87								
June.....	1.60	3.21	2.19								
July.....	.44	2.84	2.61								
August.....	1.79	1.00	3.84								
September.....	.55	3.30	2.92								
October.....	+4.54	1.95	3.58								
November.....	1.67	1.64	3.69								
December.....	2.54	.97	2.23	4							
TOTALS.....	17.97	21.10	20.86								

C C C

1870 The least recorded since the commencement of my record in 1858. The almost total absence of Thunder Showers and rather dry Summer I think are sufficient to account for it.

RAINFALL AT Darlington, South End

Lat.

Lon.

County of Durham

Rain Gauge, by

Observer W. N. Black

Years 1

Diameter	8										
Height	0.10										
Altitude	140										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January87	90	1.06	2.65	3.53	2.03	3.32	1.69	.66	.92	1.713
February	1.62	3.39	71	2.02	.98	1.16	.71	.76	1.37	1.10	1.382
March	1.10	2.97	1.84	1.26	2.44	1.86	2.48	2.24	3.63	2.77	2.261
April	2.26	1.18	4.50	1.99	1.89	1.61	1.98	.79	2.47	2.32	2.099
May	1.46	.96	1.93	1.62	.44	3.18	4.23	1.83	.60	2.33	1.858
June	1.45	1.84	4.98	2.49	.65	2.02	.95	.56	2.34	.22	1.750
July	5.11	3.79	4.64	3.44	3.85	.56	4.52	1.16	3.68	2.31	3.256
August	1.75	6.27	2.56	1.35	1.02	1.84	1.46	1.90	1.77	3.27	2.319
September	4.66	2.97	2.50	3.00	1.11	2.01	1.91	2.49	1.18	.54	2.237
October	5.08	2.84	3.73	1.98	1.31	3.86	4.10	1.68	.41	4.37	2.955
November	2.43	2.39	3.06	1.22	1.59	1.70	3.09	3.19	3.66	1.11	2.344
December	3.63	2.90	4.70	1.17	1.63	.73	3.87	1.93	.96	1.46	2.298
TOTALS	30.92	32.37	35.71	24.19	20.49	22.53	32.12	20.22	22.73	22.72	26.452

RAINFALL AT Darlington South End

Lat.

Long.

County of

Durham

Rain Gauge, by

Observer Mr N. Black

Feet!

Diameter	8									
Height	0 10									
Altitude	140									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899
January	2.21	1.00	1.57	1.92	1.58	4.30	1.01	1.84		
February	1.13	.05	2.28	2.29	2.88	.98	.49	1.70		
March	1.70	1.52	.97	.42	.76	2.15	1.88	2.54		
April95	2.66	1.26	.49	1.68	1.87	.77	1.91		
May	2.08	2.16	3.08	2.24	2.75	.91	.55	1.80		
June	2.32	.53	3.55	.78	3.74	1.74	2.98	2.34		
July	2.01	4.40	1.36	2.47	1.89	5.50	2.17	.97		
August	4.41	3.67	4.05	1.81	2.26	2.03	1.37	2.66		
September....	2.09	1.94	2.12	1.53	.69	.73	3.18	1.87		
October.....	1.39	2.96	4.52	.99	4.89	3.79	4.08	1.86		
November....	3.61	2.25	1.16	2.36	1.01	3.04	1.23	1.88		
December....	1.40	2.79	1.01	2.06	1.60	1.94	3.72	2.43	#	
TOTALS	25.30	25.93	26.93	19.36	25.73	28.98	23.43	23.80	21.00	(26.50) (24.69)

1898-1899 estimated