

## RAINFALL AT

*Duffield Park*  
*W. Island.*

Rain { By *casella*  
 Gauge { Diameter *5* in.

Height above Ground, .... ft. *6* in.

Above Mean Sea Level, *2007* ft.

*sewer - 6.*

YEAR.....							1866	1867	1868	1869	MEANS
January .....								3.06	1.77	2.92	
February .....								1.98	2.20	2.28	
March .....								2.27	2.07	1.90	
April .....								3.27	1.64	1.51	
May .....								1.71	1.27	4.17	
June .....								1.68	1.44	1.11	
July .....								1.92	.28	.31	
August .....								3.71	3.37	2.54	
September ...							<i>5.55</i>	<i>1.93</i>	1.75	5.14	
October .....							3.06	3.11	3.17	1.40	
November .....							3.43	.98	1.56	2.21	
December .....							2.02	1.47	6.84	4.48	
TOTALS .....								27.09	26.50	29.97	

*c c c c*

1867 Aug. 20th 1 a.m. *E, & E*, 2.34 in less than 3 hours.

9. in garden 12 ft from high buildings on E, and 36 ft from high trees on S and W. Returns agree remarkably with a gauge on the lawn of Duffield Hall, about 300 yds distant -

W. Island.

# RAINFALL AT *Derby Duffield*

Lat..... Lon..... County of... *Derby*  
 Rain Gauge, by..... Observer *W. Blaud Esq.*

oerent - 6.

Diameter.....	.5											
Height.....	1		.10		1		6		10			
Altitude.....	200?				180	200						
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.89	.95	4.18	2.39	2.04	3.01	1.38	4.48	2.66	1.82	2.490	
February.....	1.64	1.93	3.37	.97	2.07	1.29	3.12	2.26	1.88	3.07	2.160	
March.....	2.04	1.27	2.17	2.50	1.47	.79	3.80	2.18	.81	1.29	1.832	
April.....	.74	3.60	2.38	.56	1.60	.73	2.99	2.28	1.43	2.16	1.947	
May.....	1.17	1.92	1.62	2.87	1.08	1.93	.91	2.83	5.43	2.94	2.270	
June.....	1.53	4.21	5.78	2.56	1.07	3.07	2.30	1.72	3.30	6.42	3.196	
July.....	.91	4.06	4.66	2.56	1.81	5.88	1.27	3.65	.72	2.39	2.791	
August.....	1.12	1.10	1.96	3.19	2.74	3.54	1.70	5.84	7.78	6.24	3.529	
September.....	1.25	4.97	3.31	1.53	2.26	4.44	5.52	2.46	2.07	2.88	3.069	
October.....	5.04	2.85	4.54	3.00	2.71	5.85	2.17	2.47	2.89	1.35	3.287	
November.....	2.29	1.38	3.10	2.39	3.60	3.75	4.00	3.51	2.69	.83	2.754	
December.....	2.37	1.65	4.61	.44	3.14	1.20	5.78	2.61	2.30	1.76	2.526	
TOTALS.....	21.99	29.97	41.08	24.96	25.59	35.48	34.94	36.29	33.96	33.15	31.741	

1879 wall 11 ft high 15 ft N.W. to N.E.

Duffield church 1 mile S.E. by S.

# RAINFALL AT

*Derby, Duffield*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

*Derby*

Rain Gauge, by \_\_\_\_\_

Observer *Mr. W. Island*

*Serial - 6.*

Diameter ....	<i>5"</i>										
Height .....	<i>1.0</i>		<i>1.6</i>					<i>1.0</i>			
Altitude ....	<i>200?</i>		<i>250?</i>								
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	<i>.26</i>	<i>.56</i>	<i>3.22</i>	<i>2.94</i>	<i>3.14</i>	<i>2.05</i>	<i>3.88</i>	<i>2.38</i>	<i>.97</i>	<i>1.03</i>	<i>2.043</i>
February ....	<i>2.05</i>	<i>5.77</i>	<i>2.33</i>	<i>2.63</i>	<i>2.34</i>	<i>2.39</i>	<i>.58</i>	<i>.34</i>	<i>.59</i>	<i>1.49</i>	<i>2.051</i>
March .....	<i>2.26</i>	<i>3.24</i>	<i>2.29</i>	<i>.91</i>	<i>1.90</i>	<i>1.38</i>	<i>2.83</i>	<i>1.23</i>	<i>2.07</i>	<i>3.29</i>	<i>2.140</i>
April .....	<i>1.58</i>	<i>1.51</i>	<i>3.29</i>	<i>2.75</i>	<i>2.05</i>	<i>1.79</i>	<i>1.66</i>	<i>.96</i>	<i>1.24</i>	<i>2.73</i>	<i>1.956</i>
May .....	<i>1.38</i>	<i>1.90</i>	<i>2.87</i>	<i>1.09</i>	<i>1.05</i>	<i>2.26</i>	<i>5.20</i>	<i>1.54</i>	<i>.39</i>	<i>3.69</i>	<i>2.137</i>
June .....	<i>4.15</i>	<i>2.35</i>	<i>4.05</i>	<i>4.62</i>	<i>1.29</i>	<i>3.12</i>	<i>1.39</i>	<i>.65</i>	<i>1.56</i>	<i>.42</i>	<i>2.360</i>
July .....	<i>6.17</i>	<i>1.44</i>	<i>3.71</i>	<i>2.36</i>	<i>3.69</i>	<i>.61</i>	<i>3.13</i>	<i>1.11</i>	<i>5.48</i>	<i>2.77</i>	<i>3.017</i>
August .....	<i>3.06</i>	<i>6.10</i>	<i>1.68</i>	<i>1.54</i>	<i>4.26</i>	<i>2.16</i>	<i>1.70</i>	<i>1.63</i>	<i>2.53</i>	<i>2.85</i>	<i>2.751</i>
September ...	<i>3.34</i>	<i>1.63</i>	<i>2.08</i>	<i>6.07</i>	<i>1.84</i>	<i>2.90</i>	<i>1.56</i>	<i>2.35</i>	<i>1.10</i>	<i>2.32</i>	<i>2.519</i>
October .....	<i>4.69</i>	<i>3.71</i>	<i>4.72</i>	<i>2.61</i>	<i>1.22</i>	<i>6.02</i>	<i>5.60</i>	<i>1.38</i>	<i>.83</i>	<i>2.83</i>	<i>3.361</i>
November ....	<i>2.93</i>	<i>3.74</i>	<i>4.28</i>	<i>3.24</i>	<i>1.32</i>	<i>2.92</i>	<i>1.80</i>	<i>1.89</i>	<i>3.63</i>	<i>.98</i>	<i>2.673</i>
December ....	<i>4.00</i>	<i>2.69</i>	<i>5.42</i>	<i>1.83</i>	<i>2.64</i>	<i>.88</i>	<i>2.84</i>	<i>1.81</i>	<i>2.38</i>	<i>1.89</i>	<i>2.638</i>
TOTALS ....	<i>35.89</i>	<i>34.34</i>	<i>39.94</i>	<i>32.59</i>	<i>26.74</i>	<i>28.48</i>	<i>32.17</i>	<i>17.27</i>	<i>22.77</i>	<i>26.29</i>	<i>29.646</i>

*1880. Duffield*

*3/4 miles*

*S<sup>E</sup>.*

*Wall 12ft high 20ft NW by N.*



# RAINFALL AT *Derby, Duffield*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

*Derby*  
*Mr. W. Bland*

*Segment - 6.*

Diameter ....	<i>5"</i>										
Height .....	<i>1.0</i>		<i>1.6</i>					<i>1.0</i>			
Altitude ....	<i>200?</i>		<i>250?</i>								
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	<i>.26</i>	<i>.56</i>	<i>3.22</i>	<i>2.94</i>	<i>3.14</i>	<i>2.05</i>	<i>3.88</i>	<i>2.38</i>	<i>.97</i>	<i>1.03</i>	<i>2.043</i>
February ....	<i>2.05</i>	<i>5.77</i>	<i>2.33</i>	<i>2.63</i>	<i>2.34</i>	<i>2.39</i>	<i>.58</i>	<i>.34</i>	<i>.59</i>	<i>1.49</i>	<i>2.051</i>
March .....	<i>2.26</i>	<i>3.24</i>	<i>2.29</i>	<i>.91</i>	<i>1.90</i>	<i>1.38</i>	<i>2.83</i>	<i>1.23</i>	<i>2.07</i>	<i>3.29</i>	<i>2.140</i>
April .....	<i>1.58</i>	<i>1.51</i>	<i>3.29</i>	<i>2.75</i>	<i>2.05</i>	<i>1.79</i>	<i>1.66</i>	<i>.96</i>	<i>1.24</i>	<i>2.73</i>	<i>1.956</i>
May .....	<i>1.38</i>	<i>1.90</i>	<i>2.87</i>	<i>1.09</i>	<i>1.05</i>	<i>2.26</i>	<i>5.20</i>	<i>1.54</i>	<i>.39</i>	<i>3.69</i>	<i>2.137</i>
June .....	<i>4.15</i>	<i>2.35</i>	<i>4.05</i>	<i>4.62</i>	<i>1.29</i>	<i>3.12</i>	<i>1.39</i>	<i>.65</i>	<i>1.56</i>	<i>.42</i>	<i>2.360</i>
July .....	<i>6.17</i>	<i>1.44</i>	<i>3.71</i>	<i>2.36</i>	<i>3.69</i>	<i>.61</i>	<i>3.13</i>	<i>1.11</i>	<i>5.48</i>	<i>2.77</i>	<i>3.017</i>
August .....	<i>3.06</i>	<i>6.10</i>	<i>1.68</i>	<i>1.54</i>	<i>4.26</i>	<i>2.16</i>	<i>1.70</i>	<i>1.63</i>	<i>2.53</i>	<i>2.85</i>	<i>2.751</i>
September ....	<i>3.34</i>	<i>1.63</i>	<i>2.08</i>	<i>6.07</i>	<i>1.84</i>	<i>2.90</i>	<i>1.56</i>	<i>2.35</i>	<i>1.10</i>	<i>2.32</i>	<i>2.519</i>
October .....	<i>4.69</i>	<i>3.71</i>	<i>4.72</i>	<i>2.61</i>	<i>1.22</i>	<i>6.02</i>	<i>5.60</i>	<i>1.38</i>	<i>.83</i>	<i>2.83</i>	<i>3.361</i>
November ....	<i>2.93</i>	<i>3.74</i>	<i>4.28</i>	<i>3.24</i>	<i>1.32</i>	<i>2.92</i>	<i>1.80</i>	<i>1.89</i>	<i>3.63</i>	<i>.98</i>	<i>2.673</i>
December ....	<i>4.00</i>	<i>2.69</i>	<i>5.42</i>	<i>1.83</i>	<i>2.64</i>	<i>.88</i>	<i>2.84</i>	<i>1.81</i>	<i>2.38</i>	<i>1.89</i>	<i>2.638</i>
TOTALS ....	<i>35.89</i>	<i>34.34</i>	<i>39.94</i>	<i>32.59</i>	<i>26.74</i>	<i>28.48</i>	<i>32.17</i>	<i>17.27</i>	<i>22.77</i>	<i>26.29</i>	<i>29.646</i>

*1880. Duffield*

*3 1/4 miles*

*S.E.*

*Wall 5 1/2 ft high 20 ft NW by N.*

# RAINFALL AT Derby Duffield Road

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of Derby

Descent 6.

Rain Gauge, by \_\_\_\_\_

Observer

L. Copestake

Diameter ....						5					
Height .....						8-0					
Altitude ....						184T	192T				
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....							.99	2.43	1.12	2.81	
February ....							.61	3.21	1.31	1.11	
March .....							2.99	2.04	1.54	1.11	
April .....							.88	1.88	1.45	2.43	
May .....							.30	.91	2.57	2.96	
June .....							1.33	3.39	1.54	2.60	
July .....						3.74	1.70	.29	1.04	2.69	
August .....						2.78	1.55	1.91	2.21	.90	
September....						.52	3.37	2.46	.34	2.82	
October .....						2.45	2.19	.88	2.72	2.72	
November....						3.13	1.07	1.58	2.19	1.28	
December ....						2.28	3.76	3.04	1.66	2.36	
TOTALS ....							20.74	24.02	19.69	25.79	

St Alkmunds Church 200 yards <sup>N</sup>E.S.E

House 30 ft high 12 ft NE

" 30 " 35 " NNE

N.B. Rejected from Survey as 2" low.

# RAINFALL AT *Derby Duffield Road Garden*

Lat. ....

Lon. ....

County of *Derby*

Rain Gauge, by .....

Observer *G. W. S. Copestake*

*Record - 6. Monthly*

Diameter ..						5					
Height ....						0 10	1 2	1 0	1 0		
Altitude ..						184 ft					
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..						1.28	3.48	1.45	.87	1.98	
February ..						1.13	3.77	2.41	1.91	1.06	
March ....						3.09	2.08	1.83	2.37	1.99	
April .....						1.89	.90	2.80	1.74	2.65	
May .....						.79	2.26	7.20	3.85	2.88	
June .....						1.99	1.85	4.80	2.24	2.25	
July .....						1.28	.93	4.00	2.89	4.54	
August ....						3.49	1.45	4.46	3.34	2.06	
September..						1.80	1.12	.78	2.47	3.08	
October ...						1.43	5.46	5.09	1.79	4.21	
November..						2.75	4.22	3.38	1.98		
December ..						.90	2.82	4.64	1.78		
TOTALS ..						21.82	30.24	bad 42.34	27.23		

1905 St Alkmunds Church 200 yards <sup>ESE</sup> E.N.E

Stable 30 ft high 50 ft N.E

The gauge is in a garden & measured monthly & gives better than one surrounded by building & raised 8 ft

1907 St Alkmunds Not printed bad

Gt Northern Station 600 yards S.S.W

1907 Note - Shall only keep monthly record in future except frequent absence from home 5/8/10. for letter

N.B. Expected from Survey as 6" High.



# RAINFALL AT *Derby Duffield Road*

Lat. *52° 56' N*

Lon. *10° 27' W*

County of *Derby*

Ordinary Rain Gauge, by

Observer *W. Lapstick*

*Descent - 6.*

Diameter ..	5										
Height ....	8.0										
Altitude ..	192 <del>ft</del>						184 <del>ft</del>				
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.46	1.79	1.53	1.94	1.32	1.08	3.48	1.19	.60	1.13	
February ..	4.16	1.05	1.50	1.01	3.60	.54	3.02	1.90	1.44	.70	
March ....	.53	1.92	1.39	3.29	1.49	2.67	1.84	1.29	2.08	2.76	
April .....	1.01	1.58	2.11	1.12	1.77	1.34	.57	1.76	1.75	2.08	
May .....	1.70	.97	2.48	3.73	1.36	.63	1.61	3.40	3.03	1.84	
June .....	3.16	.91	2.30	1.27	.86	1.86	1.57	3.50	1.79	2.09	
July .....	3.64	4.07	1.28	2.22	2.20	1.03	.58	2.80	2.52	3.28	
August ....	4.96	1.82	2.86	4.97	2.79	2.85	1.36	3.41	3.34	2.28	
September ..	.53	.87	1.41	2.62	1.38	1.55	1.12	.73	2.98	2.17	
October ....	2.73	1.75	2.50	5.25	.98	1.14	5.46	3.53	1.04	3.14	
November ..	2.36	1.75	1.57	2.09	1.26	2.45	2.84	2.11	1.29		
December ..	4.24	5.43	1.64	1.52	1.20	.72	2.25	2.94	1.48		
TOTALS ..	32.48	23.91	22.57	31.03	20.21	17.86	25.68	28.53	23.34		

1902 St. Alkmunds Church 200 yards ENE  
 Houses 30 ft high 12 + 35 ft N.E. + NNE  
 Fairfate Station 500 ft S.S.W

*N.B. Expected from Dewey as 2" low.*

RAINFALL at Derby Duffield RoadCounty of DerbyshireObserver Dr W. G. CopelandRiver Basin Frent. Derwent 6

Rain Gauge, by \_\_\_\_\_

Diameter ...	5										
Height .....	1.2					6.0					
Altitude ...	190 ft					183					
Year ..	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.77	1.30	4.25	3.90	1.28	2.61	.99				
February ...	2.03	1.47	1.07	.98	1.35	2.48	4.05				
March .....	.60	1.50	2.67	3.90	2.46	1.06	3.28				
April .....	2.32	1.37	.6	3.28	.76	.90	1.58				
May .....	1.18	1.52	2.54	1.88	2.05	1.75	1.85				
June .....	1.21	2.80	5.22	1.35	2.03	1.70	1.35				
July .....	2.52	.10	3.50	.33	5.19	6.30	1.91				
August .....	3.30	.65	5.77	2.25	2.00	1.65	1.75				
September ..	.57	1.45	.57	1.80	1.32	.91	.60				
October ...	2.20	2.44	3.28	2.51	2.52	1.75	1.83				
November ..	4.75	3.91	3.28	2.35	3.98	2.54	2.60				
December ...	5.09	3.12	2.98	1.15	5.50	4.18	2.57				
TOTALS ...	28.54	21.63	35.69	25.63	30.44	27.83	24.36				

1915 Sep 30: gauge moved 60 yards SSW

N.B. Rejected from survey as 2' low.

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