

Rainfall at *Hornby Castle*

60

*Lancaster.*
*H. J. L. Reid.*

Diameter of Gauge, *.12*..... in.

Height above Ground, *3*.. ft. *2*.. in.

Above Mean Sea Level, *10.3*... ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					3.20	3.55	7.45	3.82	3.79	5.08	
February - -					3.15	3.20	6.00	3.43	3.46	7.98	
March - - -					3.85	2.66	2.70	1.32	7.09	1.02	
April - - -					1.40	1.20	1.05	5.12	2.57	2.68	
May - - - -					2.50	5.45	1.30	1.97	1.31	3.19	
June - - - -					5.80	.65	4.05	2.36	.44	2.06	
July - - - -					2.20	2.75	4.55	4.47	.76	.90	
August - - -					3.35	5.45	4.40	3.28	4.65	2.94	
September -					4.40	1.40	9.05	5.57	2.54	8.79	
October - -					3.10	5.65	2.50	4.87	5.24	3.57	
November -					5.60	4.35	8.05	1.67	3.47	6.13	
December -					3.90	2.85	5.85	2.27	10.29	5.80	
TOTALS -					42.45	39.10	56.95	40.15	45.61	50.14	

*v c c c c c*
*Gauge in centre of kitchen garden, quite open*

# RAINFALL AT Milling Hornby Castle

Lat..... Lon..... County of, Lancashire,  
 Rain Gauge, by..... Observer W. H. H. H.

N 1831-1915 439

Diameter .....	1	0						8			
Height .....	3	2						2		2	3
Altitude .....	103	0	100	100	100			100			
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	4.14	1.03	6.90	6.35	6.70	5.28	2.21	4.20	1.18		
February.....	2.43	4.29	4.73	5.50	1.91	1.26	5.41	1.97	2.81		
March.....	1.97	2.32	4.45	2.38	4.34	.82	3.69	2.86	2.24		
April.....	1.03	3.17	2.39	.39	2.54	1.20	2.28	1.77	1.03		
May.....	3.24	1.09	2.18	1.32	1.58	3.10	2.08	4.32	2.43		
June.....	7.65	2.01	4.57	2.67	1.34	3.96	3.07	3.10	4.51		
July.....	2.66	7.77	4.95	4.66	3.43	3.60	4.68	.86	5.34		
August.....	2.90	2.31	4.64	6.10	7.46	4.59	5.78	6.44	5.67		
September.....	3.46	3.16	8.10	3.11	5.73	4.52	3.89	5.57	3.30		
October.....	10.56	4.26	6.73	6.89	7.50	3.13	6.45	4.71	3.10		
November.....	2.52	1.57	5.04	1.90	5.24	5.34	8.86	3.17	1.25		
December.....	4.03	4.33	4.82	2.54	3.87	3.04	4.92	2.43	2.75		
TOTALS .....	42.21	39.91	59.50	38.81	51.64	39.84	41.40	51.50	41.40	35.61	44.68

1871 - Rain gauge out of order in December, and sent away for repair  
 1878 trees about 40 yds distant.

Hornby Church 400 yds S.W.

1876 + Jan + Feb 1877 = Orkholme, Storn's Hall

# RAINFALL AT *Melling, Hornby Church*

80

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

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

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

*Lancashire*

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

Observer: \_\_\_\_\_

*W. P. Blacow, Esq.*

*J. Jowett, Esq.*

*June. H*

Diameter ....	<i>8</i>										
Height .....	<i>2.3</i>		<i>1.8</i>								
Altitude ....	<i>100</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	<i>.48</i>	<i>.55</i>	<i>3.68</i>	<i>1.66</i>	<i>6.35</i>	<i>2.14</i>	<i>4.34</i>	<i>2.38</i>	<i>1.00</i>	<i>2.78</i>	<i>2.536</i>
February ....	<i>4.33</i>	<i>4.13</i>	<i>3.84</i>	<i>.86</i>	<i>2.65</i>	<i>3.45</i>	<i>1.66</i>	<i>.32</i>	<i>.71</i>	<i>2.35</i>	<i>2.430</i>
March .....	<i>3.21</i>	<i>4.63</i>	<i>4.68</i>	<i>.89</i>	<i>3.12</i>	<i>4.32</i>	<i>2.87</i>	<i>.44</i>	<i>1.96</i>	<i>3.44</i>	<i>2.956</i>
April .....	<i>1.80</i>	<i>1.73</i>	<i>4.17</i>	<i>2.56</i>	<i>1.09</i>	<i>1.26</i>	<i>.71</i>	<i>2.34</i>	<i>.65</i>	<i>.92</i>	<i>1.723</i>
May .....	<i>2.29</i>	<i>4.85</i>	<i>1.87</i>	<i>1.57</i>	<i>1.11</i>	<i>.69</i>	<i>2.27</i>	<i>2.27</i>	<i>.87</i>	<i>7.14</i>	<i>2.483</i>
June .....	<i>4.28</i>	<i>4.71</i>	<i>4.65</i>	<i>4.09</i>	<i>.24</i>	<i>2.81</i>	<i>1.93</i>	<i>.21</i>	<i>1.87</i>	<i>1.04</i>	<i>2.583</i>
July .....	<i>5.50</i>	<i>6.33</i>	<i>6.13</i>	<i>2.61</i>	<i>5.10</i>	<i>1.55</i>	<i>4.21</i>	<i>1.86</i>	<i>5.43</i>	<i>3.42</i>	<i>4.214</i>
August .....	<i>2.15</i>	<i>7.92</i>	<i>4.48</i>	<i>3.04</i>	<i>1.53</i>	<i>3.30</i>	<i>1.23</i>	<i>1.48</i>	<i>4.20</i>	<i>3.28</i>	<i>3.261</i>
September....	<i>3.77</i>	<i>1.68</i>	<i>1.77</i>	<i>3.89</i>	<i>2.06</i>	<i>3.82</i>	<i>5.37</i>	<i>.48</i>	<i>.16</i>	<i>3.11</i>	<i>2.611</i>
October.....	<i>1.82</i>	<i>2.92</i>	<i>4.22</i>	<i>6.74</i>	<i>3.02</i>	<i>3.70</i>	<i>3.82</i>	<i>5.48</i>	<i>2.39</i>	<i>3.12</i>	<i>3.723</i>
November....	<i>6.97</i>	<i>6.20</i>	<i>7.07</i>	<i>5.88</i>	<i>1.95</i>	<i>3.51</i>	<i>2.73</i>	<i>1.13</i>	<i>5.10</i>	<i>2.38</i>	<i>4.289</i>
December ....	<i>6.02</i>	<i>4.35</i>	<i>3.99</i>	<i>3.45</i>	<i>6.61</i>	<i>2.06</i>	<i>4.03</i>	<i>3.56</i>	<i>1.29</i>	<i>4.13</i>	<i>3.949</i>
TOTALS ....	<i>42.62</i>	<i>50.00</i>	<i>50.55</i>	<i>37.27</i>	<i>34.82</i>	<i>32.57</i>	<i>33.17</i>	<i>21.95</i>	<i>25.63</i>	<i>37.11</i>	<i>36.758?</i>

(45.75)(41.25)(37.00)(52.50)(30.75)(34.75)

(42.228)

*Hornby Church 340 yards SSW*

*Garden wall 10ft high 90ft all sides*

*1886 March April May, Oct. Nov. & Dec. each an inch short*

*1887 Record unreliable*

*1888*

*1883-1888 too small. Pencil figures adopted for average & for Fylde Water 1912.*



# RAINFALL AT *Melling, Hornby Castle*

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

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

County of *Lancashire*

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

Observer *Col Foster*

*June 4*

Diameter ....	8											
Height .....	1 8											
Altitude ....	100											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	6.25	.55	3.33	1.05	5.26	1.93	2.77	.83	4.77	6.97	3.271	
February ....	.68	.51	2.23	5.88	6.01	.39	1.12	3.59	4.18	2.71	2.730	
March .....	4.58	1.92	1.29	2.71	4.59	3.70	7.10	6.15	1.75	2.28	3.607	
April .....	1.12	.72	1.88	.50	2.71	2.33	2.07	3.04	5.00	4.20	2.357	
May .....	2.71	2.19	4.84	2.01	3.17	.69	1.02	2.50	1.18	3.53	2.381	
June .....	2.87	1.01	3.37	3.62	3.38	2.12	2.26	3.80	4.42	1.20	2.805	
July .....	4.09	3.24	1.72	5.28	3.80	7.56	4.27	1.84	.22	2.07	3.409	
August .....	6.74	9.97	6.81	3.98	6.80	5.06	2.30	4.87	2.45	2.45	5.113	
September ....	2.13	5.43	7.80	5.14	.67	1.02	5.69	5.83	1.00	5.89	4.060	
October .....	5.17	4.27	5.01	5.77	5.19	5.68	3.62	2.22	2.49	3.67	4.309	
November ....	5.87	4.09	2.79	4.69	5.02	2.82	1.20	3.63	7.69	4.22	4.202	
December ....	.21	7.20	2.80	3.17	5.27	3.87	4.29	6.88	7.04	4.12	4.485	
TOTALS . . .	42.42	41.10	43.87	43.80	51.87	37.17	37.71	45.18	42.19	43.31	42.862	

1897 Hornby Church 320 yards S.W.  
Greenhouse 10 ft high 3 ft N

1880 —

# RAINFALL AT Melling Homby Grange

Lat. .... Lon. .... County of Lancashire North

Rain Gauge, by ..... Observer Col Foster J. Jowill Esq  
J. B. Beckett Esq

June 4

Diameter ..	8										
Height ....	1.8										
Altitude ..	100										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	5.33	2.74	2.88	5.74	4.74	3.11	6.69	2.34	4.98	3.30	4.185
February ..	4.28	1.12	.99	5.34	3.36	2.73	3.60	2.73	3.56	2.75	3.046
March ....	.35	4.69	2.52	5.17	2.78	4.32	5.00	5.18	4.27	2.57	3.685
April .....	3.39	2.30	2.24	2.08	4.07	3.05	2.24	2.47	2.14	4.47	2.845
May .....	2.16	1.35	2.90	3.13	2.67	2.17	5.39	3.79	3.34	1.21	2.811
June .....	2.83	2.03	.86	1.85	1.94	2.42	3.04	8.88	3.39	2.05	2.929
July .....	3.26	1.84	4.51	4.15	2.27	2.43	3.00	3.62	3.71	7.99	3.678
August ....	5.70	3.83	3.08	7.79	3.39	4.67	4.92	5.71	6.03	3.31	4.843
September ..	3.02	1.43	1.97	6.62	1.36	3.85	1.42	.61	6.41	2.84	2.953
October ....	7.52	4.46	3.72	8.86	3.45	3.42	7.48	4.40	1.70	7.48	5.249
November ..	3.72	5.53	2.94	3.99	3.66	4.40	4.98	4.25	4.50	2.63	4.060
December ..	5.86	5.22	4.14	4.49	3.83	1.95	4.07	6.06	3.48	8.69	4.779
TOTALS ..	47.42	36.54	32.75	59.21	37.52	38.52	51.83	50.04	47.51	49.29	45.063

Homby Grange 900 ft SW  
Station 200 yards W  
Greenhouse 7 ft high 30 ft E

Hub

RAINFALL at Melling Hornby CastleCounty of North LancashireObserver G. L. Beckett Esq. Thos. Atk. W. H. FosterRiver Basin Lune 4

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

Diameter ...	8										
Height .....	1.8										
Altitude ...	100										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.98	2.13									
February ...	7.87	6.04									
March .....	9.4	1.92									
April .....	2.50	3.77									
May .....	2.67	3.00									
June .....	3.49	3.41									
July .....	4.27	.75									
August .....	6.96	4.01									
September ..	.42	3.77									
October ...	2.60	4.80									
November ..	4.08	5.81									
December ...	6.01	8.51									
TOTALS ...	47.79	47.92									

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			<u>Hornby</u>	<u>1/4 m</u>	<u>S</u>			