

RAINFALL AT *Flaxton Grange*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*

Rain Gauge, by.....

Observer .....

*Henry Richardson Esq*

Diameter .....	5	.									
Height .....	9	1.0	1.5			1	1				
Altitude .....	90	100.0	90								
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.49	.55	3.17	1.86	.83	2.63	.81	3.20	2.17	1.16	1.787
February .....	2.13	2.06	2.15	.53	1.26	.63	2.15	1.94	.90	2.47	1.622
March .....	1.12	.90	2.00	2.70	.93	.55	3.09	2.56	.97	.83	1.565
April .....	.75	1.99	2.60	.34	1.08	.65	1.65	3.40	1.23	1.35	1.504
May .....	1.28	1.95	1.30	2.19	1.53	1.14	.77	1.65	3.56	2.28	1.765
June.....	2.85	4.19	4.48	.72	.54	1.27	2.37	1.51	3.57	3.34	2.484
July .....	.52	2.98	4.96	2.45	1.41	4.44	1.23	2.98	1.36	3.23	2.556
August.....	1.63	1.92	2.59	3.04	2.14	2.62	2.76	3.70	5.86	2.57	2.883
September.....	1.22	4.28	3.75	2.60	2.26	2.34	3.89	2.98	1.75	2.14	2.721
October.....	5.60	2.60	4.32	1.95	1.84	2.48	2.26	1.25	1.91	.61	2.482
November.....	2.66	2.25	4.59	1.57	2.81	4.27	1.91	3.72	2.38	1.48	2.764
December.....	2.85	.95	3.29	.39	3.05	1.85	6.58	2.14	1.65	.73	2.348
TOTALS .....	24.10	26.62	39.20	20.34	19.68	24.87	29.47	31.03	27.31	22.19	26.481

1874 Dec<sup>r</sup> amount partly computed from York Malton



# RAINFALL AT *Malton*

Lat.....

Lon.....

County of...*Yorkshire* N.R.....

Rain Gauge, by.....

Observer...*Henry Hurthley Esq.*.....

Diameter .....	<input checked="" type="checkbox"/> .10											
Height .....	/											
Altitude .....	75.											
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.88	1.00	3.14	1.81	1.60	2.72	.97	3.63	2.22	1.15	2.012	
February .....	2.33	2.34	2.25	1.36	1.36	.82	2.33	1.95	.95	2.34	1.803	
March .....	1.60	.75	2.78	2.04	1.50	.58	2.82	2.85	.84	.77	1.653	
April .....	.67	2.80	2.66	.96	1.26	.40	1.70	3.33	1.80	1.25	1.683	
May .....	1.13	1.79	1.47	2.26	2.06	1.59	.66	1.79	4.19	2.36	1.930	
June.....	2.60	2.98	4.14	1.37	.93	2.78	2.44	1.62	3.24	3.86	2.596	
July .....	.27	3.82	4.66	2.18	1.29	3.94	1.84	3.36	.72	3.03	2.511	
August.....	1.93	.87	2.82	2.27	2.34	3.45	2.37	4.10	7.00	2.30	2.945	
September.....	1.10	5.91	5.18	1.66	2.40	1.89	3.49	3.10	1.53	2.25	2.851	
October.....	5.98	2.13	3.92	2.74	2.00	3.90	2.19	2.44	2.02	1.12	2.844	
November.....	2.82	1.77	4.88	1.58	3.27	5.23	3.18	2.31	4.20	1.68	3.092	
December.....	4.01	1.60	3.89	.48	3.18	1.19	5.75	2.08	1.90	1.17	2.525	
TOTALS .....	26.32	27.76	41.79	20.71	23.19	28.49	29.74	32.56	30.61	23.28	28.445	

1871 On 7<sup>th</sup> Sep. 2.33 in fell principally between 8 pm. or 6<sup>th</sup> & midnight and very much exceeds any previous fall in 24 hours during the last 13 years.

1879 Greenhouse 5ft high 6ft N.

Old Malton church 300 yds S.



# RAINFALL AT *Malton Appleton Street*

Lat. .... Lon. .... County of *York N. R.*  
 .... Rain Gauge, by .... Observer *Rev. C. P. Peach*  
*Secy of Hort.*

Diameter .....											
Height .....											
Altitude .....		<i>120</i>									
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....		<i>·91</i>	<i>3·27</i>								
February.....		<i>2·78</i>	<i>2·61</i>								
March.....		<i>1·23</i>	<i>2·32</i>								
April.....		<i>2·88</i>	<i>2·25</i>								
May .....		<i>1·36</i>	<i>1·56</i>								
June.....		<i>3·59</i>	<i>3·97</i>								
July .....		<i>3·80</i>	<i>5·15</i>								
August.....		<i>1·14</i>	<i>2·81</i>								
September.....		<i>5·93</i>	<i>5·20</i>								
October.....		<i>1·70</i>	<i>4·51</i>								
November.....		<i>1·77</i>	<i>4·40</i>								
December.....		<i>1·75</i>	<i>4·18</i>								
TOTALS .....		<i>28·84</i>	<i>42·23</i>								

C



# RAINFALL AT *Filey Reservoir*

Lat..... Lon..... County of *Yorkshire N.R.*  
 ..... Rain Gauge, by..... Observer *Mr. D. Phillis Kirk*

Diameter .....	<i>.5</i>	<i>.</i>									
Height .....	<i>.9</i>	<i>.</i>		<i>1.2</i>							
Altitude .....	<i>183</i>	<i>.</i>			<i>183</i>	<sup>π</sup>					
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>1.28</i>	<i>.85</i>	<i>3.25</i>	<i>1.98</i>	<i>1.33</i>	<i>2.66</i>					
February .....	<i>1.98</i>	<i>1.43</i>	<i>2.70</i>	<i>1.37</i>	<i>1.01</i>	<i>.56</i>					
March .....	<i>1.50</i>	<i>.79</i>	<i>2.21</i>	<i>2.12</i>	<i>.61</i>	<i>.63</i>					
April .....	<i>.51</i>	<i>2.80</i>	<i>2.29</i>	<i>.93</i>	<i>1.16</i>	<i>.62</i>					
May .....	<i>.53</i>	<i>1.93</i>	<i>1.68</i>	<i>1.70</i>	<i>3.22</i>	<i>.89</i>					
June.....	<i>2.15</i>	<i>2.53</i>	<i>3.07</i>	<i>1.67</i>	<i>.33</i>	<i>2.39</i>					
July .....	<i>.65</i>	<i>4.25</i>	<i>3.98</i>	<i>2.51</i>	<i>1.38</i>	<i>5.76</i>					
August.....	<i>1.85</i>	<i>.64</i>	<i>5.13</i>	<i>2.13</i>	<i>1.81</i>	<i>1.31</i>					
September.....	<i>.59</i>	<i>4.93</i>	<i>6.86</i>	<i>2.69</i>	<i>1.54</i>	<i>2.04</i>					
October.....	<sup>+</sup> <i>4.57</i>	<i>2.01</i>	<i>4.62</i>	<i>2.13</i>	<i>1.94</i>	<i>4.48</i>					
November.....	<i>2.61</i>	<i>2.56</i>	<i>6.68</i>	<i>1.46</i>	<i>3.72</i>	<i>6.61</i>					
December.....	<i>3.90</i>	<i>1.56</i>	<i>4.34</i>	<i>.38</i>	<i>2.95</i>	<i>1.80</i>	<i>#</i>				
TOTALS .....	<i>22.12</i>	<i>26.28</i>	<i>46.81</i>	<i>21.07</i>	<i>21.00</i>	<i>29.75</i>					

*c c c*



RAINFALL AT *Thirsk Loughby*

70

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of *Yorkshire N.R.*

Rain Gauge, by \_\_\_\_\_ Observer *C. M. C. Swarbeck*

Diameter. ....										<i>.5</i>	
Height. ....										<i>1. -</i>	
Altitude. ....										<i>105</i>	
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January. ....											
February. ....											
March. ....											
April. ....											
May. ....											
June. ....										<i>3.84</i>	
July. ....										<i>4.79</i>	
August. ....										<i>3.16</i>	
September. ....										<i>1.27</i>	
October. ....										<i>.48</i>	
November. ....										<i>1.80</i>	
December. ....										<i>.87</i>	
TOTALS. ....											

*1879 Vinery 12 ft high & 32 ft E.N.E.*

*f. Oswalds 158 yds N.N.W.*



RAINFALL AT *Thirst Gas Works*

Lat..... Lon..... County of *Yorkshire, M.R.*  
..... Rain Gauge, by..... Observer *A. Atkinson Esq. L.L.D.*

Diameter .....	.5										
Height .....	2.6		1.6								
Altitude .....	114.										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.71	.59	2.55	1.80							
February .....	1.94	2.50	2.65	1.61							
March .....	1.37	.97	2.40								
April .....	.55	1.92	2.20	1.11							
May .....	.34	1.16	1.80								
June .....	3.20	4.15	3.50	1.15							
July .....	.42	3.57	5.40	2.05							
August .....	2.18	.69	2.70	1.43							
September.....	1.04	4.20	3.70	1.84							
October.....	<sup>+</sup> 5.23	2.48	5.10								
November.....	3.15	1.21	4.03								
December.....	3.40	1.70	3.34								
TOTALS .....	24.53	25.14	39.37								

*C C C*



# RAINFALL AT *Thirsk Sewerby*

70

Lat. ....

Lon. ....

County of

*Yorkshire N.R.*

Rain Gauge, by

Observer

*A. C. Bamlett Esq*

Diameter. ....											.5	
Height. ....											1.	
Altitude. ....											118	
Year. ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January. ....											.80	
February. ....											2.78	
March. ....											.76	
April. ....											2.48	
May. ....											2.12	
June. ....											4.54	
July. ....											5.49	
August. ....											4.17	
September. ....											1.46	
October. ....											.75	
November. ....											2.11	
December. ....											.89	
TOTALS. ....											28.35	

1879 Garden wall 8ft high 20 yds W.

" " 8 " " 25 " S.

" " 10 " " 28 " N.

House 28 " " 32 " E.

Thirsk church 500 yds N.E



# RAINFALL AT *Thirsk Hilburn*

70

Lat. ....

Lon. ....

County of *Yorkshire* *M.R.*

Rain Gauge, by .....

Observer *Rev<sup>d</sup> G. Richardson*

Diameter....											
Height ....											
Altitude ....											
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....									2.67	1.07	
February....									1.14	2.85	
March .....									.99	.83	
April .....									1.66	1.96	
May .....									4.01	1.83	
June .....									3.28	3.97	
July .....									.81	4.33	
August ....									5.22	3.49	
September ..									2.35		#
October ....									2.00		
November ..									7.11		
December ..									2.03		
TOTALS ..									33.27		

*1879 Observer dead*

*Hilburn church 300 yds S.*



# RAINFALL AT Aysgarth Warden Head

70

Lat. ....

Lon. ....

County of Yorkshire N.R.

Rain Gauge, by .....

Observer Rev F W Stow

Diameter....											
Height ....						3					
Altitude ....						1.0					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						8.84					
February....						.76					
March .....						1.00					
April .....						1.98					
May .....											
June .....						} 2 Aug 11 <sup>2</sup> 9.72					
July .....											
August ....											
September ..											
October ....						} 4 Dec 17 17.60					
November ..											
December ..											
TOTALS ..						3.00					
						42.90?					

1875 Observer died in April; observations taken daily till the end of march. The amounts from May to the end of the year were measured by Mr Stow & he notes "I fear the water was carelessly bottled or some spilt - still it may be right. The rather confined position of the gauge may have affected the total."

Gauge destroyed by tourists



# RAINFALL AT *Aysgarth Bishopdale* 70 *Hidstone*

Lat. ....

Lon. ....

County of *Yorkshire N.R.*

Rain Gauge, by .....

Observer *Rev<sup>d</sup> F. W. How*

*Monthly*

Diameter ....						3	.	.	.	.	
Height ....						1.0	.	.	.	.	
Altitude ....						995	990	.	.	.	
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						# 9.00		11.57	9.12	.50	
February ....						.80	} 19.60	7.76	2.86	2.50	
March .....						1.06		5.00	3.40	3.16	
April .....						} 6.02	3.66	6.10	1.92	4.28	
May .....							1.00	3.70	6.30	2.64	
June .....						7.38	4.10	3.48	3.72	6.56	
July .....						3.00	3.50	7.16	1.78	7.02	
August ....						} 18.90	4.31	9.43	8.22	6.22	
September ..							5.96	4.80	6.82	4.10	
October ....						} 6.37		8.90	4.50	4.00	
November ..							} 18.48	11.42	5.00	2.44	
December ..						5.00		6.88	2.94	4.80	
TOTALS ..						57.53	60.61	86.20	56.58	48.22	



# RAINFALL AT *Marsett Rydaleside*

Lat. ....

Lon. ....

County of

*Yorkshire N.R.*

Rain Gauge, by

Observer

*J. Mudd*

Diameter....						3					
Height ....						1.0					
Altitude ....						870					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....											
February....											
March .....											
April .....						# 2.99					
May .....						3.36					
June .....						4.20					
July.....						7.30					
August ....						5.44					
September ..						2.51					
October ....						3.26					
November ..						8.95					
December ..						5.54 <sub>11</sub>					
TOTALS ...						43.55					

*Gauge moved to Cam Fell*



# RAINFALL AT *Bishopsdale The Rookery*

70

Lat. ....

Lon. ....

County of *York* *N.R.*

Rain Gauge, by .....

Observer *Rev F. W. Law*

Diameter...							5				
Height ...							1				
Altitude ...											
Year ...	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ...						#	2.56	10.69	7.33	1.63	
February...							7.59	6.69	2.12	3.78	
March.....							8.49	4.10	3.25	4.11	
April .....							3.20	4.97	2.83	3.30	
May .....							.94	3.47	6.46	1.84	
June .....							3.47	2.97	3.39	5.58	
July.....							2.56	3.98	1.41	5.74	
August ...							3.67	7.51	6.98	7.33	
September ..							4.43	4.71	4.57	4.43	
October ...							3.59	8.32	5.83	2.79	
November ..							4.27	11.05	4.54	2.76	
December ..							10.17	5.81	3.92	5.12	
TOTALS ..							54.94	74.27	52.63	48.41	



# RAINFALL AT *Aysgarth Well Bank, Warden*

Lat. ....

Lon. ....

County of *Yorkshire* N.R.

Rain Gauge, by .....

Observer *R. F. N. Shaw*

Diameter ....						3	.	.	.	.	
Height ....						1	.	.	.	.	
Altitude ....								1100	.	.	
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						8.44	2.25	11.46	5.86		
February ....						1.04	5.84	4.00	2.61		
March .....						1.81	6.48	5.58	2.52	4.00	
April .....						2.23	2.77	4.86	2.15	3.06	
May .....						2.53	.80	3.30	6.34	1.44	
June .....						4.39	3.00	2.58	2.58	5.46	
July .....						2.84	2.90	4.14	2.98	4.00	
August ....						4.44	1.94	6.52	5.80	7.46	
September ..						4.72	4.14	5.08	3.54	3.14	
October ....						5.75	3.60	10.42	5.16	2.04	
November ..						6.11	4.50	10.54	3.86	2.48	
December ..						3.54	6.85	4.67	2.46	4.06	
TOTALS ..						47.84	45.07	73.15	45.86	42.62	

1877 Gauge in a walled garden



RAINFALL AT *Bedale Thorpe Pannow*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*

.....Rain Gauge, by.....

Observer .....

*Wm. Culverwell Esq.**weekly*

Diameter .....	6	6					5				
Height .....	2	2.0		1.6							
Altitude .....		170.0									
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.14	1.12	3.38	2.54	2.13	3.71	.49	4.57	2.69	.92	2.269
February .....	2.50	2.30	2.62	1.18	1.37	.68	2.03	1.56	1.10	3.17	1.851
March .....	1.52	1.54	2.77	2.59	1.12	.47	3.48	2.03	.56	.99	1.707
April .....	.61	1.45	2.36	.80	.99	.92	2.71	3.85	1.42	2.11	1.722
May .....	.76	1.46	1.13	2.08	2.85	1.12	.59	2.22	4.58	1.52	1.831
June .....	2.27	3.45	5.75	1.28	.76	3.18	1.96	1.24	3.03	3.85	2.677
July .....	.65	3.60	4.69	2.33	.88	3.68	1.83	2.82	.74	3.98	2.520
August .....	1.94	.81	5.46	1.74	2.55	2.57	2.18	6.08	5.05	3.38	3.176
September.....	.40	5.83	3.33	.74	2.24	2.11	4.53	2.56	1.84	1.13	2.471
October .....	6.28	2.30	4.35	1.87	2.59	3.78	1.98	3.22	1.69	.87	2.893
November.....	2.14	.49	4.81	1.70	2.24	4.36	2.90	2.29	5.05	1.32	2.730
December.....	3.59	1.11	3.57	.44	3.10	1.31	6.21	2.22	1.93	1.05	2.453
TOTALS .....	23.80	25.46	44.22	19.29	22.82	27.89	30.89	34.66	29.68	24.29	28.300

*Bedale church 2 miles N.E.*



RAINFALL AT *Beadlam Grange*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*

Rain Gauge, by.....

Observer.....

*J. H. Phillips Esq.*

Diameter .....	.5										
Height .....	.6										
Altitude .....	192										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.13	1.06	3.59	1.73							
February .....	2.49	2.48	2.64	1.91							
March .....	.94	.93	2.79	2.91							
April .....	.57	3.52	3.00	1.65							
May .....	1.64	1.34	1.95	1.90							
June.....	2.40	4.05	4.40	1.94							
July .....	.32	3.98	3.98	5.14							
August.....	2.23	1.24	3.39	4.80							
September.....	1.31	5.15	5.04	2.46							
October.....	6.01	2.63	5.24	2.09							
November.....	4.20	1.78	5.96	1.78							
December.....	4.21	2.16	4.02	2.29							
TOTALS .....	28.45	30.32	46.00	28.60							

Summer drought terminated on 7<sup>th</sup> Oct. when it rained steadily for 51 consecutive hours. Bar: on 23<sup>rd</sup> & 24<sup>th</sup> Oct. 28.50 the lowest point observed for upwards of 20 y<sup>r</sup>. Magnificent Aurora on 24<sup>th</sup> & 25<sup>th</sup> Oct. First snow on 9<sup>th</sup> Nov. 14<sup>th</sup> Dec. 74 fell in 10 hours, the Eastern part of the N riding deluged with floods.







# RAINFALL AT Scarborough Osgodby

70

Lat. ....

Lon. ....

County of

York NR

Rain Gauge, by

Observer

E. Filleker Esq. C. E.

Diameter . . . .								.8	.	.	.
Height . . . .								.9	.	.	.
Altitude . . . .								162	.	159	.
Year . . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January . . . .						2.10	.72	2.92	2.08	1.36	
February . . . .						.78	2.45	2.33	.86	3.00	
March . . . . .						.74	3.06	2.15	1.31	1.31	
April . . . . .						.53	2.14	3.41	1.92	1.89	
May . . . . .						.98	.69	2.45	2.29	3.39	
June . . . . .						2.73	2.42	.88	2.76	3.51	
July . . . . .						4.08	2.39	2.37	.33	3.21	
August . . . .						2.01	2.34	3.19	4.83	2.54	
September . .						2.21	3.04	3.61	1.09	2.11	
October . . . .						4.80	2.38	1.87	2.46	1.22	
November . .						5.85	3.64	1.32	4.57	1.71	
December . .						1.55	6.35	2.49	3.07	1.14	
TOTALS . .						28.36	31.62	28.99	27.57	26.39	

\* \*

Computed from Ganton Hall (S.R.)

20 x 10



RAINFALL AT *Scarborough Crystal Gardens*

Lat..... Lon..... County of..... *Yorkshire N.R*  
..... Rain Gauge, by..... Observer *Jr Cornelius Fox*

Diameter .....	<i>.5</i>										
Height .....	<i>/</i>										
Altitude .....	<i>102</i>										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>1.60</i>	<i>1.07</i>	<i>2.99</i>	<i>1.29</i>							
February .....	<i>2.20</i>	<i>1.71</i>	<i>1.98</i>	<i>1.91</i>							
March .....	<i>1.40</i>	<i>.62</i>	<i>2.82</i>	<i>1.60</i>							
April .....	<i>.85</i>	<i>3.24</i>	<i>2.22</i>	<i>1.00</i>							
May .....	<i>1.10</i>	<i>1.44</i>	<i>2.33</i>	<i>1.81</i>							
June.....	<i>2.84</i>	<i>2.49</i>	<i>2.40</i>	<i>1.39</i>							
July .....	<i>.56</i>	<i>3.75</i>	<i>3.78</i>	<i>2.24</i>							
August.....	<i>2.31</i>	<i>.79</i>	<i>2.48</i>	<i>1.76</i>							
September.....	<i>.81</i>	<i>5.77</i>	<i>6.02</i>	<i>2.57</i>							
October.....	<i>5.56</i>	<i>1.99</i>	<i>3.98</i>	<i>2.16</i>							
November.....	<i>3.17</i>	<i>3.04</i>	<i>5.56</i>	<i>1.41</i>							
December.....	<i>6.00</i>	<i>2.02</i>	<i>2.74</i>	<i>.58</i>							
TOTALS .....	<i>28.40</i>	<i>27.93</i>	<i>39.30</i>	<i>19.72</i>							

*no reply*



# RAINFALL AT Scarborough Post Office

70

Lat. ....

Lon. ....

County of York N.R. ....

Rain Gauge, by ....

Observer The Met. Council

Diameter ....								.8	.	.	
Height ....								1.2	.	1.2	
Altitude ....								130	.	.	
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....								3.36	2.51	1.18	
February. ..								1.95	.82	3.19	
March .....								1.98	1.47	.96	
April .....								3.28	2.30	1.89	
May .....								1.84	2.73	3.74	
June .....								1.18	3.52	2.89	
July .....								2.44	.32	4.00	
August ....								4.36	5.73	2.78	
September ..								4.35	1.42	1.87	
October ....								2.01	2.47	1.10	
November ..								1.86	5.13	3.26	
December ..								2.27	3.83	1.34	
TOTALS ..								30.88	32.25	28.20	

1878 Garden Tool house 9ft high 30ft W.

Christchurch  $\frac{1}{4}$  mile N.E.



# RAINFALL AT *Aysgarth Vicarage*

70

Lat. ....

Lon. ....

County of *York* N.R.

Rain Gauge, by .....

Observer *Rev. F. W. Shaw*

Diameter . . .							5	8	1	.	
Height . . .							1	.	2	1	
Altitude . . .							650	'	'	.	
Year . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January . . .							1.25	6.66	3.89		
February . . .							5.00	2.94	1.74		
March . . . . .							6.04	3.50	2.00		
April . . . . .							2.54	3.58	3.15	2.12	
May . . . . .							.51	1.99	5.51	1.54	
June . . . . .							2.10	2.80	2.65	4.13	
July . . . . .							1.95	4.35	.65	4.31	
August . . . . .							2.60	6.17	6.26	4.92	
September . . .							3.05	3.44	2.82		
October . . . . .							3.44	5.06	4.22	1.52	
November . . .							3.97	7.86	5.16	1.75	
December . . .							9.28	3.70	3.18	3.66	
TOTALS . . .							41.73	52.05	41.23		

1877 gauge moved a few feet. it is in a well exposed position on N.E. side of house

Gauges in use at Aysgarth Vicarage in May 1880  
Daily 5" 1' 655 T; 12" 3' 650; 8" 1' 647;



RAINFALL AT *Aysgarth Vicarage*

*Lat.*

*Lon.*

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

Rain Gauge, by

Observer

[illegible]



RAINFALL AT Aysgarth Vicarage

Lat. ....

*Lon.*

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

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of York  
Rain Gauge, by \_\_\_\_\_ Observer Rev. F. W. Stow

*Rain Gauge, by*

Observer

Rev<sup>d</sup> F. W. Stow

[illegible]



# RAINFALL AT *Aysgarth Thornton Rust*

Lat. ....

Lon. ....

County of *Yorkshire N.R.*

Rain Gauge, by .....

Observer *Mr. Pearson*

Diameter....						5					
Height ....						1		2	3		
Altitude ....						850					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							2.30		4.89		
February....							7.30		1.61		
March.....						# 6" 1.04	7.12		2.31		
April .....						2.10	2.74		2.90	.56	
May .....						2.06	.59		5.99	3.53	
June .....						4.43	3.63		2.73	2.75	
July.....						3.89	2.34		.60	5.08	
August ....						3.69	3.42		6.63	4.73	
September ..						4.62	4.56		3.27	2.06	
October ....						4.77	3.56		4.72	.24	
November ..						7.89	3.75		4.30	2.08	
December ..						4.22	8.66		2.22	2.41	
TOTALS ..							49.97	—	42.17		

*77 obs Cont.*  
*1878 Two storied houses 50yds from gauge.*



# RAINFALL AT Leyburn, Bolton Hall

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of York NR.  
Rain Gauge, by \_\_\_\_\_ Observer W. E. Hall

Diameter. ....			8								
Height. ....			8								
Altitude. ....			420								
Year. ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January. ....			5.55	5.12	3.11	4.29	.73	6.76	3.27	.32	
February. ....			3.66	1.47	1.52	1.12	3.96	2.56	1.32	3.18	
March. ....			4.24	2.88	2.76	1.23	5.27	3.40	.50	1.29	
April. ....			4.29	.67	1.81	1.36	3.34	3.65	2.87	1.43	
May. ....			1.08	1.73	.99	1.58	.81	1.94	3.98	1.96	
June. ....			2.76	.80	.28	3.11	1.51	.86	2.88	2.60	
July. ....			4.57	1.83	.81	3.95	1.34	3.31	.30	4.54	
August. ....			4.16	2.07	2.95	2.54	2.74	5.26	4.77	4.35	
September. ....			5.51	1.67	3.69	3.17	3.27	2.89	.39	1.79	
October. ....			5.47	2.41	3.61	5.08	3.16	3.18	2.70	1.06	
November. ....			7.49	2.65	2.52	6.15	3.95	5.77	4.44	1.58	
December. ....			6.27	.79	4.59	2.41	9.73	3.44	2.02	1.88	
TOTALS. ....			55.05	24.09	28.64	35.99	39.81	43.02	29.44	25.98	



RAINFALL AT Scarborough Hackness

Lat..... Lon..... County of Yorkshire N.R.

Rain Gauge, by..... Observer Rev. J. W. Stur

Diameter .....		5									
Height .....		1.0									
Altitude .....		189.0									
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....		# 1.25									
February .....		2.19									
March .....		.97									
April .....		3.58									
May .....		1.42									
June .....		3.14									
July .....		4.54									
August.....		.76									
September.....		6.22									
October.....		2.16									
November.....		4.33									
December.....		1.78 #									
TOTALS .....		32.34									

1872+3 observations not made



# RAINFALL AT *Thirsk Maunby Hall*

70

Lat. ....

Lon. ....

County of *York N.R.*

Rain Gauge, by .....

Observer. *Mr W Jackson*

Diameter . . . .								5			
Height . . . .								1. 2			
Altitude . . . .								<del>466</del> <sup>2</sup>	100		
Year . . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS..
January . . . .								2.62	2.01	.82	
February . . . .								1.55	.74	2.39	
March . . . . .								1.87	.24	.90	
April . . . . .								3.43	1.24	2.32	
May . . . . .								2.03	3.83	1.89	
June . . . . .								1.30	4.27	3.72	
July . . . . .								2.79	1.05	3.77	
August . . . .								3.90	4.47	1.68	
September . .								2.30	1.65	1.06	
October . . . .								2.88	1.63	1.04	
November . .								1.55	4.40	1.19	
December . .								1.85	1.69	.68	
TOTALS . .								28.07	27.22	21.46	



RAINFALL AT *Hawes*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*

.....Rain Gauge, by.....

Observer.....

*M. Allen*

Diameter.....					8						
Height .....					4.6						
Altitude.....					770						
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....					5.74						
February.....					3.13						
March.....					6.94						
April.....					2.77						
May .....					2.58						
June.....					1.65						
July .....					1.56						
August.....					6.30						
September.....					5.97						
October.....					10.50						
November.....					1.93						
December.....					3.00						
TOTALS .....					52.07						



RAINFALL AT *Hawes Vicarage*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*

.....Rain Gauge, by.....

Observer.....

*D. J. Dunmore Parker*

Diameter.....					5							
Height .....					1							
Altitude.....					801							
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....						10.06	3.11	11.43	7.11			
February.....						1.39	8.91	5.77	2.54			
March.....						1.66	8.37	3.82	3.88			
April.....						2.16	2.96	3.43	2.50			
May .....						2.96	84	3.54	6.08			
June.....					# 1.61	4.39	3.71	4.19	3.24			
July .....					1.90	3.61	3.00	4.92	1.70			
August.....					6.28	4.12	3.75	8.90	5.98			
September.....					5.54	5.13	5.52	4.07				
October.....					10.98	5.65	3.29	9.24				
November.....					4.18	7.81	3.78	11.56				
December.....					5.08	5.66	10.26	5.73				
TOTALS .....					35.47	54.60	57.50	76.60				



# RAINFALL AT Wensleydale Westholme

70

Lat.....

Lon.....

County of.....

Yorkshire

Rain Gauge, by.....

Observer...

Fenwick N. Shaw

Diameter.....				5			8				
Height .....				1							
Altitude.....				470 <sup>π</sup>	465 <sup>π</sup>						
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....					3.70	5.84	1.20				
February.....					1.99	.90	4.78				
March.....					3.24	.98	5.35				
April.....					1.89	1.30	2.59				
May .....					2.00	1.44	.54				
June.....					1.25	3.22	1.86				
July .....					1.63	3.69	1.90				
August.....					3.54	2.86	2.57				
September.....					3.20	3.60	3.13				
October.....				#3.26	5.14	5.00	3.21				
November.....				2.45	2.92	5.55	3.99				
December.....				1.07	3.75	2.82	9.21				
TOTALS .....					34.25	37.20	40.33				

1873 f. in a grass plot in front of house fair exposure very good to S.W.



# RAINFALL AT Wensleydale Hestholme

70

Lat.....

Lon.....

County of... Yorkshire N.R.

..... Rain Gauge, by.....

Observer... Rev. F. W. Stow

Diameter.....					.5						
Height.....					.6						
Altitude.....					465						
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....					3.66						
February.....					1.86						
March.....					3.19						
April.....					1.93						
May.....					2.12						
June.....					1.28						
July.....					1.67						
August.....					3.78						
September.....					3.19						
October.....					5.29						
November.....					3.04						
December.....					3.84						
TOTALS.....					34.85						



# RAINFALL AT *Wensleydale Hestholme*

Lat. ....

Lon. ....

County of *Yorkshire N.R.*

Rain Gauge, by .....

Observer *Rev F. W. How*

Diameter ....						1.					
Height ....						3.					
Altitude ....						467 <sup>↑</sup>					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						5.64					
February ....						.82					
March .....						.80					
April .....						1.30					
May .....						1.32					
June .....						3.12					
July .....						3.59					
August ....						2.87					
September ..						3.62					
October ....						4.95					
November ..						5.52					
December ..						2.77					
TOTALS ..						36.32					



# RAINFALL AT *Wensleydale Carperby*

70

Lat. ....

Lon. ....

County of *Yorkshire N.R.*

Rain Gauge, by .....

Observer *J. Willis Junr Esq*

Diameter...						6	.	.			
Height ...						1	.	.			
Altitude ...						720	.	.			
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						6.36	1.50	7.42			
February...						1.05	5.32	3.44			
March .....						.92	5.83	3.28			
April .....						1.36	2.73	3.30			
May .....						1.56	.77	1.89			
June .....						2.83	2.28	2.56			
July .....						4.59	2.11	4.77			
August ....						3.19	2.66	6.56			
September ..						4.34	3.72	3.04			
October ....						5.44	3.18	6.12			
November ..						6.26	3.95	7.05			
December ..						3.36	8.69	3.79			
TOTALS ..						41.26	42.74	53.22	-		

*1878 Record accidentally burnt*



RAINFALL AT *Leysburn Wensley*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*

Rain Gauge, by.....

Observer

*Geo. W. May Esq.*

Diameter .....	7	.					7	.	.		
Height .....	2	3	.				1	.	.		
Altitude .....	650	.					660	.	.		
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	3.18	} 3.73	4.11	} 4.92	2.53	4.21	.70	6.33	3.72	.47	} 5.548
February .....	4.15		3.60		1.50	1.02	3.15	2.21	1.40	4.65	
March .....	2.10	1.67	3.66	2.79	2.13	.71	4.17	4.02	1.37	1.90	2.452
April .....	.22	2.86	2.68	.81	1.48	1.29	3.18	4.59	2.52	2.67	2.230
May .....	1.30	.86	1.77	1.78	1.99	1.36	.92	2.63	4.95	2.20	1.976
June .....	1.80	3.14	3.63	1.43	.84	2.85	1.63	1.63	2.50	3.50	2.295
July .....	.63	3.91	4.28	1.99	1.21	3.32	2.20	4.01	.72	4.85	2.712
August .....	1.73	.83	5.06	2.22	3.14	2.47	2.53	7.06	6.21	3.82	3.507
September.....	1.15	5.62	4.85	1.04	2.62	3.05	4.30	2.66	2.53	1.42	2.924
October.....	7.33	2.15	4.92	2.17	3.49	5.26	2.71	3.97	2.31	1.10	3.541
November.....	1.88	1.45	5.89	1.74	1.48	4.93	4.21	4.72	5.32	1.50	3.312
December.....	4.68	2.05	5.31	.64	5.49	2.64	8.86	2.85	3.78	1.79	3.809
TOTALS .....	30.15	28.27	19.66	21.53	27.90	33.11	38.56	46.68	37.33	29.87	34.306

*A good gauge well placed**1876 Gauge moved in August**1879 Wensley church 1½ mile S.W.*



# RAINFALL AT Askriff Vicarage

700

Lat. ....

Lon. ....

County of

Yorkshire NR

Rain Gauge, by

Observer

Rev C. Whaley

Diameter....						5					
Height ....						2	1				
Altitude ....						680	700				
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							1.45	7.22			
February....							5.22	5.31			
March .....							5.88	4.10			
April .....							2.52	3.98			
May .....						# 2.18	<del>5.51</del>	3.26			
June .....						3.29	2.30	4.08			
July.....						7.00	1.99	4.59			
August ....						3.62	3.26	10.38			
September ..						5.01	3.73	3.87			
October ....						4.70	2.82	8.40			
November ..						6.96	3.31	9.63			
December ..						3.27	7.57	5.70			
TOTALS ..							45.56	70.52	—		

1876 May gauge moved about 100 yds.

1876 a 5 in glass used with a 4½ in funnel. Observer absent in May the amount should be about .75 instead of 5.51 in

1878 No observations







# RAINFALL AT Hardrow Vicarage

70

Lat.....

Lon.....

County of.....

Yorkshire N.R.

Rain Gauge, by.....

Observer.....

Red R. Pinck

Diameter.....								5			
Height .....					1 -						
Altitude.....					790			π			
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....						9.59	2.82	10.19	6.95	1.53	
February.....						1.28	7.88	5.16	2.94	4.02	
March.....						1.63	7.12	3.46	3.35	3.65	
April.....						1.96	2.69	3.34	2.24	1.96	
May .....						2.97	.80	3.72	6.30	1.61	
June.....						9.90	3.30	4.41	3.69	7.13	
July .....						3.43	2.81	4.24	1.64	6.54	
August.....						4.28	3.49	8.23	6.23	5.10	
September.....						4.65	5.34	4.17	5.92	3.22	
October.....					# 10.01	5.11	2.79	9.82	5.50	2.24	
November.....					4.36	7.40	3.60	11.42	5.40	2.35	
December.....					6.33	5.38	9.87	6.00	3.58	4.39	
TOTALS .....						51.58	52.51	74.16	53.74	43.74	

House on N 30ft high distance 24ft

Hardrow church 300yd W. by N.



# RAINFALL AT *Hawes Lunds Church*

70

Lat. ....

Lon. ....

County of *Yorkshire N.R.*

Rain Gauge, by .....

Observer *Rev R. Pinck*

Diameter...						5	.	.	.	.	
Height ...						1	.	.	.	.	
Altitude ...						1100	.	.	.	.	
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ...						10.26	4.41	11.69	8.84	1.71	
February...						1.88	9.29	7.67	2.17	3.81	
March .....						2.58	9.22	5.41	4.89	5.63	
April .....						2.34	2.86	3.26	2.14	1.82	
May .....						4.02	1.30	3.78	6.41	2.25	
June .....						4.80	3.98	5.15	4.99	7.08	
July .....						3.34	4.64	6.63	1.94	7.80	
August ....						4.87	5.33	8.19	7.16	7.31	
September ..						6.67	5.27	5.92	7.28	4.46	
October ....						5.08	3.35	10.17	7.03	3.94	
November ..						7.87	3.70	10.70	5.54	3.08	
December ..						6.64	9.22	7.17	4.01	7.70	
TOTALS ..						60.35	62.57	85.74	62.40	56.59	

1877 House on N height 16ft distant 7 or 8 yds.

Lunds church 500 yds E.



# RAINFALL AT *Summer Lodge Swaledale*

70

Lat. .... Lon. .... County of *Yorkshire*  
 Rain Gauge, by .... Observer *G Brodbeck*

Diameter ....						5	.	.	.	.	
Height ....						1	.	.	.	.	
Altitude ....						1075	.	.	.	1041	
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						10.00	3.10	9.46	8.45	1.42	
February ....						2.03	8.98	6.31	2.33	4.05	
March .....						2.20	9.37	5.06	3.57	4.49	
April .....						2.24	3.33	4.29	3.28	2.57	
May .....						2.71	1.31	3.11	5.68	1.68	
June .....						3.59	2.94	2.95	3.72	5.53	
July .....						4.04	3.10	6.26	1.78	5.28	
August ....						4.57	4.08	8.99	7.43	5.18	
September ..						5.79	6.00	4.72	5.55	3.79	
October ....						6.99	3.77	9.86	5.22	2.84	
November ..						8.71	5.40	9.56	4.73	2.46	
December ..						5.28	11.86	5.74	4.05	4.89	
TOTALS ..						658.15	63.24	76.31	55.79	44.18	

1875 January imperfect

1878 House 20 ft high 23 ft 6 ins distant

1879 " 46 ft N.W.

Melbeck's church 1 1/4 mile



RAINFALL AT *Northallerton*

Lat.....

Lon.....

County of *Yorkshire* N.R.Rain Gauge, by..... Observer *R. W. Hodgeson M.D.*

Diameter .....	.5										
Height .....	1.3										
Altitude .....	133.0			<sup>K</sup> 133							
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.47	.70	2.02	1.56	1.85	2.25	.55	2.74	1.83	.95	1.592
February .....	1.56	2.02	2.44	1.03	1.57	1.29	1.87	1.85	.75	2.62	1.700
March .....	1.46	.98	2.62	2.69	.47	.30	2.78	2.51	.69	.85	1.535
April .....	.49	1.95	2.93	1.26	.97	.99	2.78	3.58	1.42	2.37	1.874
May .....	.84	1.62	2.11	2.29	1.98	1.24	.93	1.93	3.27	1.74	1.795
June.....	2.69	4.34	4.77	.98	.78	2.63	2.15	1.59	4.06	2.77	2.676
July .....	.68	4.72	4.40	2.44	1.60	4.21	2.89	2.90	1.31	3.78	2.893
August.....	2.55	.76	3.62	1.73	2.36	1.75	2.09	4.59	3.89	3.47	2.681
September.....	.78	5.08	3.75	1.35	2.70	2.07	4.67	2.45	.95	1.15	2.495
October.....	4.79	2.19	4.10	1.98	2.67	2.46	1.51	2.23	2.35	.94	2.522
November.....	2.65	.94	4.42	2.28	.96	4.00	2.25	1.81	3.75	1.34	2.440
December.....	3.45	2.04	3.35	.33	4.01	1.07	4.25	1.85	1.93	1.05	2.333
TOTALS .....	23.41	27.34	40.53	19.92	21.92	24.26	28.72	30.03	26.20	23.03	26.536

1878 No object within 50 yds of the gauge



RAINFALL AT *Fylingsdales Moor, Harwood Dale Mill*

Lat. .... Lon. .... County of *York* *N.R.*  
Rain Gauge, by ..... Observer *E. Filleter Esq C.E.*

Diameter. ....											<i>.8</i>	
Height. ....											<i>.9</i>	
Altitude. ....											<i>275</i>	
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January .....										<i>1.35</i>		
February. ....										<i>4.83</i>		
March .....										<i>1.07</i>		
April .....										<i>1.93</i>		
May .....										<i>4.36</i>		
June .....										<i>3.17</i>		
July. ....										<i>4.75</i>		
August .....										<i>3.69</i>		
September....										<i>1.54</i>		
October .....										<i>1.66</i>		
November...										<i>3.52</i>		
December ....										<i>1.25</i>		
TOTALS ....										<i>33.12</i>		



70  
Farm

*Lon.*

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

2/07/72 N.R.

*Rain Gauge, by*

Observer:

L. Filleter Esq CE.

[illegible]







70

RAINFALL AT *Fylingdales Moor* *Evan Howe*

Lat. .... Lon. .... County of *York* *N.R.*

Rain Gauge, by ..... Observer *E. Filliter Esq. C.E.*

Diameter. ....											<i>.8</i>	
Height. ....											<i>.9</i>	
Altitude.....											<i>585</i>	
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....										<i>2.50</i>		
February.....										<i>7.67</i>		
March .....										<i>1.39</i>		
April .....										<i>2.15</i>		
May.....										<i>3.63</i>		
June .....										<i>2.18</i>		
July. ....										<i>4.47</i>		
August .....										<i>2.53</i>		
September...										<i>1.55</i>		
October.....										<i>1.70</i>		
November....										<i>3.48</i>		
December ....										<i>1.27</i>		
TOTALS ....										<i>34.52</i>		



# RAINFALL AT *Richmond The Grove*

70

Lat. ....

Lon. ....

County of

*Yorkshire N.R.*

Rain Gauge, by

Observer

*G Roper*

Diameter....						5	.	.	.	.	
Height ....						1.3	.	.	.	.	
Altitude ....											
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							.74	5.84	3.27	1.25	
February....							2.84	1.87	1.56	3.57	
March.....							3.61	2.96	.89	1.44	
April .....							3.37	4.30	1.55	2.90	
May .....							.67	2.15	6.02	1.74	
June .....							2.36	1.90	3.62	4.97	
July.....							2.18	3.95	.46	4.19	
August ....						# 2.72	2.03	5.68	5.43	3.45	
September ..						2.76	4.86	2.17	2.17	1.68	
October ....						4.69	2.41	3.58	1.91	1.11	
November ..						5.99	3.77	3.83	5.15	1.95	
December ..						2.16	7.90	2.40	2.64	1.59	
TOTALS ..							36.74	40.63	34.67	29.84	

1875 a wall 10 ft high 12 ft N of gauge.

77 a wall 8 ft high 15 ft from gauge



# RAINFALL AT Northallerton Rounton

70

Lat. ....

Lon. ....

County of York N.R.

Rain Gauge, by

Observer J. Lothian Bell Esq M.P.

Diameter . . . .									.8	.	
Height . . . .									.8	.	
Altitude . . . .								200	.		
Year . . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January . . . .								2.52	2.01	.78	
February . . . .								1.52	.61	2.05	
March . . . . .								2.61	1.02	.50	
April . . . . .								2.94	1.44	1.72	
May . . . . .								2.27	2.57	2.46	
June . . . . .								1.54	2.55	3.07	
July . . . . .								2.71	1.02	3.97	
August . . . .								3.89	4.17	3.10	
September . .								3.45	1.28	.79	
October . . . .								2.21	1.77	.83	
November . .								1.11	7.01	2.05	
December . .								2.02	3.12	.67	
TOTALS . .						(24.00)	(28.00)	28.79	28.57	21.99	

1877 Gauge read weekly irrespective of the ends of the months

1875-76. Roughly estd. for average VII. 1913.



RAINFALL AT *Reeth Eskdaleth House* 70

Lat. ....

Lon. ....

County of *Yorkshire N.R.*

Rain Gauge, by .....

Observer *R Whitwell Esq*

Diameter ....						8					
Height ....						1					
Altitude ....						947					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						# 8.11	1.50	7.27	4.53	.95	
February ....						1.70	6.08	3.56	1.60	4.41	
March .....						1.20	6.07	6.05	2.06	3.13	
April .....						1.76	3.53	4.70	3.04	2.95	
May .....						1.95	1.25	3.53	5.93	1.93	
June .....						2.95	3.00	1.83	2.85	4.61	
July .....						5.46	1.78	6.78	1.13	4.52	
August ....						3.62	2.60	8.12	7.41	4.91	
September ..						4.95	5.45	3.67	3.86	2.26	
October ....						6.33	3.00	6.18	3.88	1.73	
November ..						7.33	4.96	7.58	6.94	3.06	
December ..						3.93	11.44	3.60	4.87	3.59	
TOTALS ..						49.29	50.66	62.87	48.10	38.05	

1875 Buildings 30ft North of Gauge



RAINFALL AT Middleton Tyas

70

Lat. ....

Lon. ....

County of Yorkshire N.R.

Rain Gauge, by .....

Observer J. E. Balhouse Esq

Diameter....							4 8x4				
Height ....						1.	1.	.	1.		
Altitude ....						350	.	.	.		
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						3.77	51	4.48	1.22		
February....						4.6	2.30	1.73	.20		
March .....						4.0	2.74	2.21	.77		
April .....						.92	2.81	3.80	1.46		
May .....						1.25	.57	2.06	4.44		
June .....						2.28	1.49	1.89	2.65		
July .....						5.68	2.50	3.32	.52		
August ....						3.28	2.73	6.06	4.74		
September ..						2.70	4.17	1.99	1.27		
October ....						4.25	2.39	2.80	1.21		
November ..						5.87	3.08	2.71	4.46		
December ..						1.72	6.78	1.93	2.41		
TOTALS ..						32.58	32.07	34.98	25.35		

1879 No refly



# RAINFALL AT

Northallerton Osmotherley

70

Lat. ....

Lon. ....

County of

York NR

Rain Gauge, by

Observer

J. Yeoman Esq

Diameter. ....	8											
Height. ....	3.0											
Altitude. ....	650											
Year. ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January. ....	1.64	.78	3.05	1.78	1.82	2.06	.69	2.31	2.47	.41	1.701	
February. ....	2.30	2.35	3.10	1.80	1.29	.63	1.99	1.76	.99	2.89	1.910	
March. ....	1.84	1.00	3.03	2.79	1.12	.46	2.79	2.62	1.16	.71	1.752	
April. ....	.60	2.05	3.58	1.45	.71	1.18	2.75	3.19	1.68	1.96	1.915	
May. ....	1.27	2.00	2.50	2.52	2.40	1.39	1.42	2.49	3.29	2.59	2.187	
June. ....	2.52	3.89	4.01	2.57	1.73	1.93	2.46	2.40	2.50	2.20	2.621	
July. ....	.84	4.56	4.41	2.49	1.59	5.26	2.07	3.40	2.42	6.19	3.323	
August. ....	2.33	.79	3.06	2.71	1.96	2.24	3.05	4.51	4.55	3.20	2.840	
September. ....	.91	5.44	4.70	1.09	2.58	1.49	5.00	3.46	2.22	1.17	2.806	
October. ....	5.30	2.32	5.36	3.27	2.10	3.54	1.82	2.68	2.20	1.05	2.964	
November. ....	3.48	2.16	5.28	2.44	3.09	5.76	2.49	1.58	7.62	2.07	3.597	
December. ....	4.21	2.28	4.33	.37	4.45	1.65	4.82	1.70	3.30	.82	2.793	
TOTALS. ....	27.24	29.62	46.41	25.28	24.84	27.59	31.35	32.10	34.40	25.26	30.409	



# RAINFALL AT *Grosmont*

Lat..... Lon..... County of *York N. R.*

Rain Gauge, by..... Observer *A. B. Dunn Esq*

Diameter .....			5								
Height .....			1								
Altitude .....			185								
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....			5.24	2.13	2.53	2.77					
February.....			4.46	1.83	2.61	1.23					
March.....			4.76	1.28	2.53	1.45					
April.....			3.71	1.97	1.66	2.01					
May .....			2.09	1.72	3.14	1.14					
June.....			3.60	1.26	1.66	3.85					
July .....			4.37	1.33	2.61	4.64					
August.....			3.46	1.20	2.05	2.26					
September.....			4.84	1.73	2.41	2.16					
October.....			5.26	1.64	2.62	4.71					
November.....			8.06	2.21	3.65	7.87					
December.....			7.33	.58	7.25	4.01	#				
TOTALS .....			57.18	18.88	34.72	38.10					

C



RAINFALL AT *Damby*

Lat.....

Lon.....

County of.....

*Yorkshire, N.R.*

Rain Gauge, by.....

Observer

*Rev. J. C. Atkinson*

Diameter .....											
Height .....		1.0	.8								
Altitude .....		480.0	485								
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....		# 1.97	4.42	1.10							
February .....		1.95	2.84	4.51							
March .....		1.10	3.64	3.60							
April .....		2.09	4.73	1.93							
May .....		1.63	2.94	1.40							
June .....		3.05	2.76	2.15							
July .....		4.07	4.11	2.64							
August .....		.77	3.63	2.65							
September.....		6.91	7.37	1.46							
October.....		2.16	6.11	3.37							
November.....		3.15	9.11	2.48							
December.....		2.92	4.94	2.04							
TOTALS .....		31.77	56.60	29.33							

no observations



RAINFALL AT *Whitby Haugh Garden*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*Rain Gauge, by..... Observer *Rev. J. W. Storr*

Diameter .....	.5										
Height .....	/										
Altitude .....	$\pi$ 340										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.76										
February .....	2.67										
March .....	1.56										
April .....	- .37										
May .....	1.49										
June .....	3.21										
July .....	.50										
August .....	1.98										
September.....	.82										
October.....	5.24										
November.....	3.47										
December.....	$\dagger$ 7.02										
TOTALS .....	30.09										

*ly in garden of the Parsonage*



# RAINFALL AT *Hawthor Field*

Lat. ....

Lon. ....

County of .....

*Yorkshire* N.R.

Rain Gauge, by .....

Observer .....

*Rev. J. W. Storr*

Diameter .....	5										
Height .....	1										
Altitude .....	428 $\pi$										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January .....	1.69										
February .....	2.06										
March .....	1.43										
April .....	1.36										
May .....	1.35										
June .....	3.15										
July .....	.45										
August .....	1.88										
September .....	.85										
October .....	5.08										
November .....	3.09										
December .....	<sup>+</sup> 5.81 #										
TOTALS .....	2720										

C



# RAINFALL AT *Birmingham Park*

Lat..... Lon..... County of *Yorkshire N.B.*  
 ..... Rain Gauge, by..... Observer *Superintendent Esq.*

Diameter .....		<i>5</i>			<i>10</i>	<i>5</i>					
Height .....		<i>6</i>			<i>1.2</i>	<i>1</i>			<i>1.2</i>		
Altitude .....		<i>650.0</i>							<i>1</i>		
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....		<i>1.40</i>	<i>5.74</i>	<i>4.71</i>	<i>2.28</i>	<i>4.55</i>	<i>.19</i>	<i>7.78</i>	<i>1.10</i>	<i>1.10</i>	
February .....		<i>2.47</i>	<i>5.53</i>	<i>1.90</i>	<i>2.83</i>	<i>.69</i>	<i>3.80</i>	<i>.70</i>	<i>.17</i>	<i>2.00</i>	
March .....		<i>1.91</i>	<i>4.18</i>	<i>4.50</i>	<i>2.30</i>	<i>.50</i>	<i>3.12</i>	<i>3.90</i>	<i>.25</i>	<i>1.20</i>	
April .....		<i>2.66</i>	<i>3.50</i>	<i>1.95</i>	<i>2.37</i>	<i>.88</i>	<i>3.13</i>	<i>4.64</i>	<i>1.25</i>	<i>2.50</i>	
May .....		<i>.94</i>	<i>2.09</i>	<i>2.74</i>	<i>2.65</i>	<i>.88</i>	<i>.27</i>	<i>1.95</i>	<i>6.27</i>	<i>1.50</i>	
June .....		<i>3.06</i>	<i>3.99</i>	<i>1.25</i>	<i>1.80</i>	<i>2.30</i>	<i>2.06</i>	<i>1.26</i>	<i>3.01</i>	<i>4.00</i>	
July .....		<i>3.93</i>	<i>4.70</i>	<i>2.75</i>	<i>.70</i>	<i>5.06</i>	<i>1.25</i>	<i>6.12</i>	<i>.62</i>	<i>4.40</i>	
August .....		<i>1.25</i>	<i>3.69</i>	<i>2.82</i>	<i>2.93</i>	<i>2.50</i>	<i>2.31</i>	<i>6.24</i>	<i>4.82</i>	<i>4.05</i>	
September.....		<i>6.41</i>	<i>5.55</i>	<i>1.60</i>	<i>3.35</i>	<i>2.92</i>	<i>4.45</i>	<i>1.16</i>	<i>1.97</i>	<i>1.22</i>	
October.....		<i>4.33</i>	<i>5.67</i>	<i>2.85</i>	<i>3.71</i>	<i>4.36</i>	<i>1.49</i>	<i>2.47</i>	<i>2.93</i>	<i>1.25</i>	
November.....		<i>2.05</i>	<i>6.58</i>	<i>2.60</i>	<i>1.35</i>	<i>5.75</i>	<i>4.10</i>	<i>7.02</i>	<i>4.07</i>	<i>1.22</i>	
December.....		<i>2.75</i>	<i>5.15</i>	<i>1.20</i>	<i>2.50</i>	<i>2.31</i>	<i>10.20</i>	<i>2.45</i>	<i>2.50</i>	<i>1.53</i>	
TOTALS .....		<i>33.16</i>	<i>56.37</i>	<i>30.87</i>	<i>28.77</i>	<i>32.70</i>	<i>36.37</i>	<i>45.69</i>	<i>28.96</i>	<i>25.97</i>	

*76 no reply*

*Monthly amount looks queer*



RAINFALL AT *Richmond Aske*

Lat.....

Lon.....

County of.....

*Yorkshire* N.R.

Rain Gauge, by.....

Observer

*Mr. J. Miller*

Diameter .....	1	.	.								
Height .....	2	.8	.								
Altitude .....	550	.	.								
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.60	1.00	4.10								
February .....	2.90	2.40	3.40								
March .....	1.90	1.10	4.00								
April .....	.75	2.75	2.50								
May .....	.75	.75	1.55								
June.....	1.80	3.80	4.00								
July .....	- .70	3.55	5.85								
August.....	2.50	1.50	4.75								
September.....	.90	6.25	4.80								
October.....	6.35	2.80	5.30								
November.....	1.70	1.25	5.60								
December.....	3.10	1.90	4.60								
TOTALS .....	25.95	29.05	50.45								

C C C



RAINFALL AT *Catterick Tunstall*

Lat..... Lon..... County of *Yorkshire* N.R.  
Rain Gauge, by..... Observer *W.C. Marshall Esq*

Diameter .....	<i>.5</i>	<i>'</i>									
Height .....	<i>1.0</i>	<i>'</i>									
Altitude .....	<i>350.0</i>	<i>'</i>									
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>2.06</i>	<i>1.41</i>	<i>3.14</i>	<i>2.10</i>	<i>1.61</i>	<i>3.30</i>	<i>.49</i>	<i>4.29</i>	<i>2.96</i>	<i>1.64</i>	<i>2.300</i>
February .....	<i>2.56</i>	<i>1.82</i>	<i>2.45</i>	<i>1.06</i>	<i>1.40</i>	<i>.93</i>	<i>2.77</i>	<i>.80</i>	<i>1.36</i>	<i>2.15</i>	<i>1.730</i>
March .....	<i>1.51</i>	<i>.69</i>	<i>3.27</i>	<i>2.19</i>	<i>1.33</i>	<i>.57</i>	<i>3.07</i>	<i>3.43</i>	<i>.80</i>	<i>1.10</i>	<i>1.796</i>
April .....	<i>.59</i>	<i>2.76</i>	<i>2.09</i>	<i>.60</i>	<i>.62</i>	<i>.94</i>	<i>2.89</i>	<i>3.60</i>	<i>1.21</i>	<i>2.30</i>	<i>1.760</i>
May .....	<i>.90</i>	<i>.85</i>	<i>.84</i>	<i>2.62</i>	<i>1.63</i>	<i>1.01</i>	<i>.64</i>	<i>1.73</i>	<i>5.10</i>	<i>1.47</i>	<i>1.679</i>
June.....	<i>2.35</i>	<i>3.21</i>	<i>3.80</i>	<i>.48</i>	<i>.74</i>	<i>3.31</i>	<i>2.71</i>	<i>1.40</i>	<i>2.73</i>	<i>4.75</i>	<i>2.548</i>
July .....	<i>.95</i>	<i>3.28</i>	<i>4.75</i>	<i>2.62</i>	<i>1.40</i>	<i>4.88</i>	<i>3.18</i>	<i>3.05</i>	<i>.81</i>	<i>3.70</i>	<i>2.862</i>
August.....	<i>2.83</i>	<i>1.08</i>	<i>5.02</i>	<i>1.77</i>	<i>3.16</i>	<i>2.29</i>	<i>1.01</i>	<i>5.31</i>	<i>5.19</i>	<i>2.51</i>	<i>3.017</i>
September.....	<i>- .44</i>	<i>4.69</i>	<i>4.30</i>	<i>1.59</i>	<i><del>2.21</del> 3.21</i>	<i>2.28</i>	<i>4.43</i>	<i>2.44</i>	<i>1.87</i>	<i>1.36</i>	<i>2.661</i>
October.....	<i>+ 5.38</i>	<i>2.22</i>	<i>3.85</i>	<i>1.88</i>	<i>1.55</i>	<i>3.57</i>	<i>2.36</i>	<i>2.87</i>	<i>1.84</i>	<i>.75</i>	<i>2.607</i>
November.....	<i>2.52</i>	<i>1.33</i>	<i>5.00</i>	<i>1.50</i>	<i>2.12</i>	<i>5.57</i>	<i>3.61</i>	<i>2.53</i>	<i>3.31</i>	<i>1.63</i>	<i>2.912</i>
December.....	<i>1.89</i>	<i>1.68</i>	<i>3.59</i>	<i>.64</i>	<i>1.79</i>	<i>1.04</i>	<i>5.77</i>	<i>2.13</i>	<i>1.82</i>	<i>1.15</i>	<i>2.150</i>
TOTALS .....	<i>23.98</i>	<i><del>25.02</del> 24.82</i>	<i>42.10</i>	<i>19.05</i>	<i><del>19.56</del> 20.56</i>	<i>29.69</i>	<i>32.93</i>	<i>33.58</i>	<i>29.00</i>	<i>24.51</i>	<i>28.022</i>

*Correction sent by Mr. Marshall 8/1/76*



# RAINFALL AT East Layton

70

Lat. .... Lon. .... County of Yorkshire N.R.  
 Rain Gauge, by .... Observer M<sup>r</sup> E. G. Maynard

Diameter ....						5	.	.	.	.	
Height ....						1	.	.	.	.	
Altitude ....						5.75	.	.	.	.	
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....						4.55	.76	4.89	2.26	.52	
February ....						.69	2.63	1.47	1.63	4.07	
March .....						.50	3.65	2.84	.71	1.31	
April .....						.88	3.28	4.49	1.87	2.79	
May .....						.88	.86	2.38	5.79	1.28	
June .....						2.30	2.69	1.69	3.11	5.29	
July .....						5.06	1.77	3.84	.55	3.24	
August ....						#2.81	2.23	5.34	4.55	3.68	
September ..						3.03	4.68	2.30	1.72	1.41	
October ....						5.21	2.13	2.97	1.82	1.04	
November ..						5.29	3.96	3.40	4.18	1.61	
December ..						1.58	7.95	1.80	2.30	1.11	
TOTALS ..						(32.78)	36.59	37.41	30.49	27.35	

1875 Jan-Jul = Birmingham for purpose of  
 average 20.14.11.



70

RAINFALL AT

Brignal Mill [Barnard Castle]

Lat. ....

Lon. ....

County of Yorkshire N.R.

Rain Gauge, by .....

Observer M<sup>r</sup> J Tennant

Diameter....						8	5				
Height ....						1					
Altitude ....						660					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							58	4.95	2.36		
February....							2.48	2.00	2.13		
March .....							3.94	3.45	1.11		
April .....							3.22	4.46	2.09		
May .....							57	2.69	5.75		
June .....							1.83	1.28	4.96		
July .....							1.20	6.04	.82		
August ....							1.48	5.61	5.10		
September ..							4.39	1.69	2.62		
October ....							2.04	2.08	2.40		
November ..						# 4.58	3.73	4.19	4.25		
December ..						1.18	8.63	1.51	2.20	#	
TOTALS ..							34.09	39.95	35.79		



# RAINFALL AT *Richmond Forcett Park*

Lat. ....

Lon. ....

County of

*Yorkshire N.R.*

Rain Gauge, by

Observer

Diameter ....									.5		
Height ....									1		
Altitude ....									360		
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....									2.67	1.00	
February. . .									1.60	3.45	
March .....									.96	1.30	
April .....									1.89	2.40	
May .....									5.70	1.50	
June .....									2.67	4.01	
July .....								3.44	.57	3.28	
August ....								4.32	5.14	3.09	
September ..								2.93	1.59	1.41	
October ....								3.14	1.85	.94	
November ..								3.18	5.02	1.91	
December ..								2.02	2.25	1.12	
TOTALS ..									31.91	25.41	

1879 Vinery 12ft high 30ft N.

Rose 3 " " 6 " N.

Other aspects open

S<sup>t</sup> Cuthberts church Forcett 300 yds SE.



70

RAINFALL AT *Seamer-in-Cleveland*

Lat. .... Lon. .... County of *York North Riding*

Rain Gauge, by .... Observer .....

Diameter. ....										5	
Height. ....										1 4	
Altitude. ....										<i>about</i> 200	
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January .....										.72	
February .....										2.15	
March .....										.70	
April .....										1.68	
May .....										2.48	
June .....										3.02	
July .....										3.82	
August .....										3.93	
September .....										1.29	
October .....										.81	
November .....										2.71	
December .....										.80	
TOTALS .....										24.11	

*Gauge in the middle of an open garden*  
*Back years 1879 to 1904 received 1905*



RAINFALL AT *Whitby North Lighthouse*

Lat.....

Lon.....

County of.....

*Yorkshire* M.R.

Rain Gauge, by.....

Observer

*Rev. J. W. Stow*

Diameter .....	.5	.	.	.	.	.	.	.	.	.	.
Height .....	/	.	.	.	.	.	.	.	.	.	.
Altitude .....	198.	.	.	.	.	.	.	.	.	.	.
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.59	1.70	2.73	1.13	1.41	2.33	.59	2.74			
February .....	1.97	1.92	1.77	1.70	1.35	.79	2.01	1.34			
March .....	1.39	.79	2.21	1.40	1.18	.65	2.96	1.99			
April .....	.51	2.57	2.07	.90	.83	.62	2.58	3.76			
May .....	1.14	1.27	2.21	2.60	3.69	.91	.75	2.64			
June.....	2.44	2.43	3.71	.70	.75	2.90	1.98	1.35			
July .....	1.04	3.69	3.03	2.54	1.42	4.48	2.32	2.49			
August.....	1.93	.33	2.30	.74	2.28	2.01	2.49	4.11			
September.....	.89	5.27	6.22	1.64	2.02	1.54	3.82	2.36			
October.....	4.31	1.66	3.78	1.91	1.50	4.27	2.32	2.41			
November.....	3.34	1.89	4.55	1.26	2.68	7.41	4.07	1.25			
December.....	6.08	1.21	5.37	.52	3.71	1.45	4.96	2.78	#		
TOTALS .....	26.63	24.73	39.95	17.04	22.82	29.36	30.85	29.22			

*g in garden of L.H. enclosed by low walls*



# RAINFALL AT *Whitby Ruswarp G. Gasworks*

Lat.....

Lon.....

County of.....

*Yorkshire W.R.*

..... Rain Gauge, by.....

Observer .....

*A. Atkinson Esq. L.D. deane*  
*C. S. Wake*

Diameter .....	<i>.5</i>								<i>1.8</i>		
Height .....	<i>1.6</i>										
Altitude .....	<i>7</i>										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>1.65</i>	<i>1.88</i>	<i>2.97</i>	<i>1.17</i>	<i>1.28</i>	<i>1.80</i>	<i>.55</i>	<i>3.38</i>	<i>1.88</i>		
February .....	<i>2.50</i>	<i>2.24</i>	<i>1.84</i>	<i>2.05</i>	<i>1.22</i>	<i>.75</i>	<i>2.33</i>	<i>1.30</i>	<i>1.06</i>		
March .....	<i>1.60</i>	<i>1.05</i>	<i>2.44</i>	<i>2.55</i>	<i>1.45</i>	<i>.48</i>	<i>3.27</i>	<i>2.52</i>	<i>1.40</i>		
April .....	<i>.46</i>	<i>2.38</i>	<i>2.30</i>	<i>1.43</i>	<i>.82</i>	<i>.94</i>	<i>2.40</i>	<i>3.50</i>	<i>2.30</i>		
May .....	<i>1.27</i>	<i>1.41</i>	<i>2.17</i>	<i>1.97</i>	<i>3.05</i>	<i>1.00</i>	<i>.70</i>	<i>2.40</i>	<i>2.65</i>		
June .....	<i>3.06</i>	<i>2.32</i>	<i>2.61</i>	<i>.85</i>	<i>.89</i>	<i>3.35</i>	<i>1.60</i>	<i>1.55</i>	<i>3.31</i>		
July .....	<i>2.45</i>	<i>3.38</i>	<i>3.21</i>	<i>2.50</i>	<i>2.30</i>	<i>4.73</i>	<i>2.72</i>	<i>2.45</i>	<i>.35</i>		
August.....	<i>2.21</i>	<i>.67</i>	<i>3.10</i>	<i>1.50</i>	<i>2.05</i>	<i>2.26</i>	<i>2.25</i>	<i>4.67</i>	<i>3.90</i>		
September.....	<i>1.01</i>	<i>4.83</i>	<i>5.10</i>	<i>1.70</i>	<i>2.20</i>	<i>1.50</i>	<i>3.95</i>	<i>3.57</i>	<i>.85</i>		
October.....	<i>4.85</i>	<i>1.87</i>	<i>3.82</i>	<i>2.40</i>	<i>1.35</i>	<i>4.30</i>	<i>2.24</i>	<i>1.78</i>	<i>2.33</i>		
November.....	<i>3.47</i>	<i>2.50</i>	<i>4.30</i>	<i>1.17</i>	<i>2.80</i>	<i>6.60</i>	<i>3.21</i>	<i>1.08</i>	<i>5.30</i>		
December.....	<i>7.53</i>	<i>1.72</i>	<i>4.68</i>	<i>.53</i>	<i>3.50</i>	<i>1.65</i>	<i>6.13</i>	<i>2.22</i>	<i>(4.00)</i>		
TOTALS .....	<i>30.06</i>	<i>26.25</i>	<i>38.54</i>	<i>19.82</i>	<i>22.91</i>	<i>29.36</i>	<i>31.35</i>	<i>30.42</i>	<i>29.33</i>		

*C C C*

*est. Northallerton works 09*



RAINFALL AT *Whitby Guisborough Road*

Lat.....

Lon.....

County of.....

*Yorkshire* N.RRain Gauge, by..... Observer *Martin Simpson Esq.*

Diameter .....	.5	.	.	.	.	.	.	.	.	.	.
Height .....	2	.	.	.	.	.	.	.	.	.	.
Altitude .....	184	.	.	.	.	.	.	.	.	.	.
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.27	1.50	2.61	1.26	1.19	1.86	.51	3.39	1.75	1.29	1.663
February .....	2.27	1.97	1.73	1.60	1.27	.75	2.10	1.60	1.09	2.83	1.721
March .....	1.38	.78	2.11	2.24	1.58	.56	3.10	2.50	1.15	.87	1.627
April .....	.57	2.19	2.00	1.35	.73	.95	2.36	3.51	2.41	1.76	1.763
May .....	1.12	1.37	2.27	2.90	3.50	.88	.76	2.38	2.62	2.48	2.028
June .....	3.08	2.22	3.09	.92	.84	2.90	1.62	1.66	3.27	3.14	2.274
July .....	.47	3.52	3.28	1.78	2.51	4.74	<del>2.33</del> 2.23	2.44	.44	2.91	2.432
August .....	1.76	.65	2.85	1.32	2.38	2.25	2.08	4.50	3.47	2.12	2.338
September.....	.95	5.43	4.52	1.50	2.14	1.63	3.42	2.93	.77	.99	2.428
October.....	4.64	1.71	4.03	2.36	1.38	4.61	2.13	1.91	1.74	.87	2.538
November.....	2.62	1.85	4.86	1.32	2.93	6.60	3.33	1.15	4.51	1.81	3.098
December.....	<sup>+</sup> 5.95	1.35	5.27	.52	3.46	1.62	6.03	1.94	3.79	.89	3.082
TOTALS .....	26.08	24.54	38.62	19.07	23.91	29.35	<del>29.77</del> 29.67	29.91	27.01	21.96	27.012



RAINFALL AT *Port Mulgrave*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*

Rain Gauge, by.....

Observer.....

*A. S. Palmer Esq.*

Diameter .....	.5										
Height .....	4.4		4.6		4.0	4.6					
Altitude .....	350				350						
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.46	1.57	2.76			2.93	.88	2.61	2.01	1.00	
February .....	1.38	1.54	1.62			.56	1.93	1.41	.91	1.57	
March .....	1.45	.83	2.24			.44	2.44	2.66	.99	1.02	
April .....	.52	1.97	2.82			.79	2.29	3.14	2.02	1.26	
May .....	1.13	1.87	1.79		5.52*	.87	.87	2.52	2.94	2.56	
June.....	3.22	2.58	3.21		1.36	2.61	1.52	1.33	2.01	3.64	
July .....	.53	3.15	3.20		1.66	3.78	3.12	1.68	.58	2.81	
August.....	1.78	1.20	2.43		1.62	1.61	1.92	4.39	4.86	2.21	
September.....	.78	5.39	4.84		2.38	1.64	3.09	2.69	1.06	.66	
October.....	4.10	1.49	3.99		.93	3.63	1.71	1.82	1.47	1.07	
November.....	2.54	1.90	4.85		3.14	6.32	2.18	1.55	4.71	1.07	
December.....	4.23	1.54	4.11		2.31	1.76	4.47	1.20	4.42	2.17	
TOTALS .....	23.12	25.03	37.80		2	26.94	26.42	27.00	27.98	21.04	

by about 15 yards from dwelling house or trees

1874 Obs: commenced on the 16<sup>th</sup> Jan'y

1875 Gauge clear of trees & no buildings within 14 yds

1879 House 20ft high 14 or 15 yds N.

Hinderwell church  $\frac{1}{4}$  mile S.W.



70

..... *Rain Gauge, by* ..... *Observer* .....

[illegible]



# Imperfect Moor Gauges 70 RAINFALL AT Cleveland Water Comp.

Lat..... Lon..... County of Yorkshire N.R.  
 ..... Rain Gauge, by..... Observer.....

Diameter.....											
Height .....											
Altitude.....				825							
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....											
February.....											
March.....											
April.....				# 1.73							
May .....				1.93							
June.....				2.32							
July .....				1.79							
August.....				*2.02							
September.....				* 1.68							
October.....				.290							
November.....				2.23							
December.....				.91#							
TOTALS.....											

\* Gauges tampered with, amounts computed by differentiation



Imperfect Moor Gauges

# RAINFALL AT *Cleveland Water Comp*

Lat. ....

*Lon.*

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

Yorkshire... N.B.

.....*Rain Gauge, by.*

Observer

[illegible]



Comp 9

Yorkshire NR

..... *Rain Gauge, by*..... *Observer*.....

[illegible]

\* Layers tampered with, amounts computed by differentiation



RAINFALL AT *Middlesborough Southfield Villas*

Lat.....

Lon.....

County of.....

*Yorkshire N.E.*

Rain Gauge, by.....

Observer.....

*W. Fellows Esq.*

Diameter .....	.8			.5							
Height .....	1			1.6		1		2			
Altitude .....	21			21							
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	.83	.94	1.47	.92	1.09	1.74	.52	3.25	2.03	.84	1.363
February .....	1.20	1.15	2.00	1.16	.76	.66	1.71	1.57	.48	1.97	1.266
March .....	1.33	.45	2.38	1.21	1.13	.33	1.94	2.15	.71	.57	1.220
April .....	.23	2.35	2.52	1.21	.60	.73	1.81	2.63	1.47	1.36	1.491
May .....	.67	1.66	2.62	1.89	2.22	1.05	1.10	2.36	1.91	1.72	1.720
June.....	2.91	3.41	3.24	1.03	1.36	2.67	3.13	1.25	2.25	2.73	2.398
July .....	.45	5.52	3.15	1.94	1.13	3.24	3.11	2.17	.52	2.93	2.416
August.....	1.86	.70	3.53	2.08	1.66	2.25	1.81	4.16	5.73	2.75	2.653
September.....	.69	4.52	5.26	1.02	2.59	1.71	3.21	2.60	1.36	.60	2.356
October.....	3.26	2.26	3.43	1.84	.95	2.77	1.66	2.18	1.90	.61	2.086
November.....	2.82	1.52	2.80	1.35	2.08	5.66	3.06	.96	5.79	2.05	2.809
December.....	3.83	1.73	2.30	.21	2.75	1.47	4.54	1.56	3.97	.44	2.280
TOTALS .....	20.08	26.21	34.70	15.86	18.32	24.28	27.60	26.84	28.12	18.57	24.058

1878 House 20ft distant

1879 " 25 " " S. &amp; 40 ft high



RAINFALL AT *Middleborough Grey Towers*

Lat..... Lon..... County of *Yorkshire* N.B.  
..... Rain Gauge, by..... Observer *W R J Hopkins Esq.*

Diameter .....					8						
Height .....				1.6		2	1.6				
Altitude .....		250.0			317 <sup>↑</sup>						
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.13	2.45	1.59	.71	.91	1.90	.77	2.66	1.90		
February .....	1.91	1.86	1.90	1.55	.84	.81	1.63	1.70	.47		
March .....	1.51	.66	2.73	1.26	.96	.35	2.34	2.27	1.16		
April .....	.43	1.99	3.97	1.24	.72	1.23	1.96	2.83	1.41		
May .....	.98	1.86	2.82	1.53	2.17	.92	.79	2.89	2.31		
June.....	2.99	3.35	3.16	1.77	1.22	2.76	3.70	1.61	1.88		
July .....	.93	4.51	4.15	1.85	1.14	3.38	2.37	2.57	.35		
August.....	2.23	.80	5.00	1.90	1.88	2.42	2.46	4.54	4.69		
September.....	.79	5.35	4.97	.98	2.41	1.32	3.33	2.94	1.56		
October.....	4.12	1.50	4.13	2.33	1.52	3.23	1.58	2.22	1.55		
November.....	3.29	1.90	4.41	1.78	2.33	7.02	3.01	1.54	7.18		
December.....	3.50	1.63	2.99	.28	3.38	1.51	4.90	1.71	4.65		
TOTALS .....	23.81	27.86	41.82	17.18	19.48	26.85	28.84	29.48	29.11		

*1879 more*



# RAINFALL AT *Middleborough Marton Hall*

Lat..... Lon..... County of *Yorkshire N.R.*  
 ..... Rain Gauge, by..... Observer *H.W. & Bolekow Esq. M.P.*

Diameter .....	<i>.10</i>				<i>8</i>						
Height .....	<i>1.6</i>		<i>1.8</i>		<i>1.6</i>		<i>1.7</i>				
Altitude .....	<i>152</i>				<i>125</i>			<i>150</i>			
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>1.00</i>	<i>1.07</i>	<i>1.68</i>	<i>.88</i>	<i>1.19</i>	<i>1.78</i>	<i>.64</i>	<i>2.51</i>			
February .....	<i>1.29</i>	<i>1.17</i>	<i>2.02</i>	<i>1.55</i>	<i>.84</i>	<i>.93</i>	<i>2.21</i>	<i>1.72</i>			
March .....	<i>1.29</i>	<i>.42</i>	<i>3.04</i>	<i>1.38</i>	<i>1.21</i>	<i>.40</i>	<i>2.37</i>	<i>2.34</i>			
April .....	<i>.37</i>	<i>2.40</i>	<i>3.70</i>	<i>1.58</i>	<i>.57</i>	<i>.98</i>	<i>2.27</i>	<i>3.09</i>			
May .....	<i>.84</i>	<i>1.78</i>	<i>2.87</i>	<i>2.57</i>	<i>2.26</i>	<i>1.06</i>	<i>1.35</i>	<i>2.90</i>			
June .....	<i>3.51</i>	<i>1.72</i>	<i>4.67</i>	<i>1.42</i>	<i>1.06</i>	<i>2.01</i>	<i>3.63</i>	<i>1.50</i>			
July .....	<i>.70</i>	<i>4.72</i>	<i>4.02</i>	<i>2.06</i>	<i>.91</i>	<i>3.09</i>	<i>3.24</i>	<i>3.44</i>			
August.....	<i>1.92</i>	<i>.77</i>	<i>2.68</i>	<i>2.21</i>	<i>1.70</i>	<i>2.55</i>	<i>2.54</i>	<i>4.80</i>			
September.....	<i>.85</i>	<i>5.71</i>	<i>5.12</i>	<i>1.32</i>	<i>2.55</i>	<i>1.20</i>	<i>3.28</i>	<i>3.04</i>			
October.....	<i>3.74</i>	<i>1.90</i>	<i>3.82</i>	<i>2.32</i>	<i>1.46</i>	<i>3.36</i>	<i>1.65</i>	<i>2.39</i>			
November.....	<i>2.47</i>	<i>1.87</i>	<i>3.86</i>	<i>1.61</i>	<i>2.40</i>	<i>6.68</i>	<i>3.31</i>	<i>1.34</i>			
December.....	<i>4.72</i>	<i>1.71</i>	<i>3.16</i>	<i>.30</i>	<i>3.25</i>	<i>1.56</i>	<i>4.47</i>	<i>1.57</i>	<i>#</i>		
TOTALS .....	<i>22.70</i>	<i>25.24</i>	<i>40.64</i>	<i>19.20</i>	<i>19.40</i>	<i>25.60</i>	<i>30.96</i>	<i>30.64</i>			



# RAINFALL AT *Middlesbrough Park*

70

Lat. ....

Lon. ....

County of *York N.R.*

Rain Gauge, by .....

Observer .....

Diameter. ....											
Height. ....											
Altitude. ....											
Year .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January. ....						1.80	.50	2.15	1.56	.74	
February. ....						.58	1.77	1.24	.43	2.11	
March. ....						.26	2.20	2.24	.76	.61	
April. ....						.72	1.73	3.31	1.33	1.37	
May. ....						.90	1.09	2.44	2.03	4.45	
June. ....						3.09	3.31	1.27	1.95	2.60	
July. ....						2.93	2.93	2.18	.38	3.49	
August. ....						2.31	1.39	4.23	5.91	2.92	
September. ....						1.66	3.00	2.73	1.43	.88	
October. ....						2.49	1.50	2.44	1.64	.59	
November. ....						5.65	2.96	1.33	5.62	2.43	
December. ....						1.33	4.22	1.68	4.40	1.01	
TOTALS. ....						23.72	26.60	27.24	27.44	23.20	



## RAINFALL AT Lockwood Beck Res

Lat.....

Lon.....

County of York N.R.

Rain Gauge, by..... Observer... W. J. Anson.....

Diameter.....			8								
Height.....			21								
Altitude.....			616	650	632						
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....				1.85	1.35	2.58	.90	3.40	2.56	1.47	
February.....				3.30	1.36	.91	2.59	2.31	.88	2.46	
March.....				3.11	2.09	.40	2.39	2.49	1.26	.85	
April.....				1.73	.97	1.11	2.82	3.50	2.18	2.05	
May.....				2.83	3.67	1.21	1.54	3.36	2.95	3.26	
June.....				1.59	1.02	2.17	1.41	2.00	2.48	2.71	
July.....				1.94	1.33	3.57	4.15	3.34	.81	5.30	
August.....				2.04	2.17	2.52	2.69	5.27	5.76	2.98	
September.....			#6.73	1.59	2.48	1.64	4.28	3.82	1.80	1.15	
October.....			5.76	3.15	1.64	4.12	1.68	2.45	1.88	1.34	
November.....			6.26	2.18	3.08	8.83	3.40	2.24	7.95	3.99	
December.....			4.86	.71	4.90	1.82	6.15	2.39	5.76	.89	
TOTALS.....				26.02	26.06	30.88	34.00	36.57	36.27	28.45	

\* 1873 November given as 4.18 and total as 28.02. By calculation from adjacent stations the rainfall for Nov<sup>r</sup> should be 2.32  
 or 2.03  
 Mean 2.17

The entry of 2.86 on the 6th is contradicted by every record which can be obtained, and I have no doubt should be

0.86- The total being 4.18

Subtract for error } 2.00  
 as above

True total 2.18 agreeing almost exactly with computed total.

\* 1874 Sept. 8." W. W. Anson states that 0.86 and 2.18 are the correct amounts

Guisborough ch: 3½ miles N.W. Shelton in Cleveland 3½ N.



RAINFALL AT *Guisborough Kutton Hall*

Lat..... Lon..... County of *York* *N.R.*

Rain Gauge, by..... Observer *J. W. Pearce Esq. M.P.*

Diameter.....				5							
Height .....				10	1			1	3	1	6
Altitude.....				370	400						
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....				77	1.30	1.61	.96	2.62	2.28	1.18	1.637
February.....				2.07	1.35	1.13	2.22	2.11	.65	2.79	1.877
March.....				2.22	1.77	.46	2.25	2.88	1.39	.97	1.813
April.....				1.72	.71	1.55	3.25	3.55	1.64	2.28	2.296
May .....				2.01	2.83	.78	1.46	3.40	2.14	3.17	2.294
June.....				1.65	1.53	1.90	2.93	1.86	1.96	2.74	2.105
July .....				2.02	1.00	3.69	3.67	2.86	1.02	4.55	3.102
August.....				1.96	1.94	2.68	2.31	5.89	5.33	3.02	3.158
September....				1.36	2.52	1.75	4.33	3.28	1.64	.81	3.035
October.....				2.50	2.27	4.05	1.72	1.98	2.00	1.20	2.804
November.....				2.14	3.10	9.06	3.68	1.52	7.03	3.67	4.155
December.....				.46	5.23	1.41	5.15	2.10	4.62	.84	3.126
TOTALS.....				20.88	25.55	30.07	33.93	34.05	31.70	27.22	32.002

*Guisboro' is about 7 miles inland,  
1877 a shed about 10ft high 30ft from gauge*

*Guisboro church 1½ miles E.*



# RAINFALL AT Redcar Easington Rectory

70

Lat.....

Lon.....

County of York N.B.

Rain Gauge, by.....

Observer W. T. Brayshaw

Diameter.....				5							
Height .....				1.6	1.3	1-		1.4			
Altitude.....				600		600		600			
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....			#	.89	1.83	1.93		6.20			
February.....				1.90	1.04	.93		3.44			
March.....				2.26	.78	.47		3.37			
April.....				.92	.64	.75		3.59			
May .....				2.29	3.45	1.03		2.58			
June.....				1.37	1.27	1.16		3.54			
July .....				1.99	1.00	3.62		3.20			
August.....				1.58	2.33	2.00		3.92			
September.....				1.25	2.51	1.68		1.10			
October.....				2.28	1.58	2.77		2.17			
November.....				2.22	2.79	6.52		2.33			
December.....				.60	3.34	2.36		2.51			
TOTALS .....				19.55	22.56	25.22		37.95			

1874 The height of the cliffs between us & the sea (about a mile distant) is 800 ft nearly we think our height is about  $\frac{3}{4}$  of that We cannot be far wrong

76 no reply  
78 no reply



# RAINFALL AT *Bowes, Sleightholme 6 miles S.W. of*

Lat. ....

Lon. ....

County of *Yorkshire* N.R.

Rain Gauge, by .....

Observer *M<sup>r</sup> Bousfield*

Diameter ....						8					
Height ....						1					
Altitude ....						1340					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							2.00				
February ....							6.50				
March .....							6.00				
April .....							3.50				
May .....							1.00				
June .....							2.90				
July .....							1.60				
August ....							4.30				
September ..							5.70				
October ....							2.60				
November ..						# 4.50	4.40				
December ..						6.50	7.60 #				
TOTALS ..							48.10				



# RAINFALL AT *Romaldkirk, Mile Rigg, Balder Head*

Lat. ....

Lon. ....

County of *Yorkshire*

*8 ml; W.S.W.*

Rain Gauge, by .....

Observer *M<sup>r</sup> J. Dent*

Diameter ....						<i>.8</i>					
Height ....						<i>1. -</i>					
Altitude ....						<i>1400</i>					
Year ....	<i>1870</i>	<i>1871</i>	<i>1872</i>	<i>1873</i>	<i>1874</i>	<i>1875</i>	<i>1876</i>	<i>1877</i>	<i>1878</i>	<i>1879</i>	MEANS,
January ....						<i>1.80</i>	<i>(5.40)</i>	<i>5.00</i>	<i>} 4.00</i>		
February. ...						<i>7.00</i>	<i>3.75</i>	<i>2.30</i>			
March .....						<i>6.25</i>	<i>6.40</i>	<i>3.40</i>	<i>2.95</i>		
April .....						<i>3.10</i>	<i>3.10</i>	<i>4.20</i>	<i>1.00</i>		
May .....						<i>1.20</i>	<i>3.25</i>	<i>5.70</i>	<i>2.90</i>		
June .....						<i>2.00</i>	<i>1.80</i>	<i>3.60</i>	<i>4.30</i>		
July .....						<i>3.20</i>	<i>4.00</i>	<i>2.50</i>	<i>5.60</i>		
August ....						<i>4.30</i>	<i>9.65</i>	<i>5.00</i>	<i>6.70</i>		
September ..						<i>5.90</i>	<i>4.10</i>	<i>4.10</i>	<i>3.10</i>		
October ....						<i># 4.20</i>	<i>3.30</i>	<i>(5.45)</i>	<i>6.00</i>	<i>2.90</i>	
November ..						<i>5.30</i>	<i>3.00</i>	<i>7.80</i>	<i>3.40</i>	<i>1.70</i>	
December ..						<i>2.80</i>	<i>7.10</i>	<i>4.15</i>	<i>3.30</i>	<i>2.60</i>	
TOTALS ..							<i>48.15</i>	<i>(58.85)</i>	<i>48.50</i>	<i>37.75</i>	

*1877 Gauge out of order in January & tampered with in October & found empty at the end of the month amount computed*



# RAINFALL AT Ronald Kirk, Balder Head 5 mls WSW

Lat. .... Lon. .... County of Yorkshire N.R.  
 Rain Gauge, by .... Observer M<sup>r</sup> J. Dent

Diameter ....						8					
Height ....						1 -					
Altitude ....						1100					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							1.05	6.45	4.15	1.30	
February ...							6.25	3.45	2.50	3.15	
March .....							6.50	6.20	2.90	2.95	
April .....							3.30	4.15	3.75	2.20	
May .....							1.00	2.80	5.65	2.80	
June .....							2.30	2.40	3.65		
July .....							2.40	5.35	1.60		
August ....							3.60	8.65	5.15	4.70	
September ..							5.20	3.00	3.80	2.50	
October ....						# 5.70	2.90	5.35	4.35	2.25	
November ..						6.40	5.30	7.00	3.90	2.35	
December ..						2.90	9.90	3.10	2.60	2.80	
TOTALS ..							49.70	57.90	44.00	27.00	

1879 Gauge out of order in June & July.



# RAINFALL AT *Romaldkirk Hurry Mill*

Lat. ....

Lon. ....

County of *Yorkshire N.R.*

Rain Gauge, by .....

Observer *M<sup>r</sup> J Robinson*

Diameter . . .						8					
Height . . .						1. -					
Altitude . . .						775					
Year . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January . . .							1.15	7.00	4.10		
February . . .							5.10	2.50	1.20		
March . . . . .							6.25	4.00	2.70		
April . . . . .							2.45	3.60	3.10		
May . . . . .							1.20	2.70	4.55		
June . . . . .							1.80	1.30	2.65		
July . . . . .							1.95	4.80	1.50		
August . . . .							3.05	5.60	3.80		
September . .							4.00	3.70	3.60		
October . . . .						# 5.00	2.50	3.80	3.90		
November . .						5.75	4.30	5.80	3.85		
December . .						3.35	7.60	3.10	1.60	#	
TOTALS . .							(41.35)	47.90	36.55		

76 1.00 in has been added to the fall for September as it seemed too small in comparison with adjacent stations



# RAINFALL AT Lune Head 5 mls N.E. of [Brough]

Lat. .... Lon. .... County of Yorkshire NR  
 Rain Gauge, by ..... Observer M<sup>r</sup> E. Wade

Diameter....						8					
Height ....						1 -					
Altitude ....						1779					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							1.70	6.10	5.70	1.50	
February....							6.60	5.10	1.90	4.10	
March .....							6.50	5.60	3.20	3.10	
April .....							3.60	3.70	4.50	2.40	
May .....							1.10	3.50	5.10	1.80	
June .....							2.60	4.70	4.60	4.20	
July.....							4.10	6.40	3.70	6.90	
August ....							3.70	10.90	5.80	6.10	
September ..							6.90	4.20	6.10	4.40	
October ....						# 4.80	4.20	6.80	3.80	2.50	
November ..						5.90	2.90	6.70	4.60	3.10	
December ..						3.50	9.10	5.10	4.10	4.80	
TOTALS ..							53.00	68.80	53.10	44.90	



# RAINFALL AT *Guisborough Upsteadham*

Lat. ....

Lon. ....

County of *Yorkshire* N.R.

Rain Gauge, by .....

Observer *Michael Gray Esq.*

Diameter....	<i>4</i>										
Height ....	<i>4</i>										
Altitude ....	<i>330</i>										
Year ....	<i>1870</i>	<i>1871</i>	<i>1872</i>	<i>1873</i>	<i>1874</i>	<i>1875</i>	<i>1876</i>	<i>1877</i>	<i>1878</i>	<i>1879</i>	MEANS.
January ....	<i>1.35</i>	<i>2.00</i>	<i>2.50</i>	<i>.65</i>							
February....	<i>1.90</i>	<i>1.35</i>	<i>2.30</i>	<i>1.45</i>							
March.....	<i>2.00</i>	<i>.60</i>	<i>2.55</i>	<i>1.65</i>							
April .....	<i>.60</i>	<i>2.20</i>	<i>2.70</i>	<i>1.25</i>							
May .....	<i>.75</i>	<i>1.70</i>	<i>2.20</i>	<i>2.00</i>							
June .....	<i>3.90</i>	<i>2.25</i>	<i>1.90</i>	<i>.85</i>							
July.....	<i>.65</i>	<i>2.10</i>	<i>2.70</i>	<i>1.50</i>							
August ....	<i>2.10</i>	<i>.40</i>	<i>2.25</i>	<i>1.15</i>							
September ..	<i>.70</i>	<i>5.70</i>	<i>4.95</i>	<i>1.55</i>							
October ....	<i>4.30</i>	<i>2.00</i>	<i>3.90</i>	<i>2.50</i>							
November ..	<i>4.40</i>	<i>2.35</i>	<i>4.65</i>	<i>2.00</i>							
December ..	<i>5.65</i>	<i>1.65</i>	<i>3.65</i>	<i>.75</i>							
TOTALS ..	<i>28.30</i>	<i>24.30</i>	<i>36.25</i>	<i>17.30</i>							

*1871 Slip sent in 20<sup>th</sup> mdy 10<sup>th</sup>*







70  
[C. H.]

Yorkshire NR.

Rev<sup>d</sup> H. Clarke

1 -  
575



RAINFALL AT *Greta Bridge Thorpe Grange*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*

Rain Gauge, by.....

Observer.....

*J. Dodgson Esq.*

Diameter .....	.5										
Height .....	1.6	.10									
Altitude .....	431				434						
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.72	1.70	4.43	2.86	2.17						
February .....	3.11	2.70	3.16	1.06	1.79						
March .....	1.64	1.69	4.16	2.78	1.82						
April .....	.42	2.60	2.84	.61	1.18						
May .....	1.12	.74	1.41	1.99	2.36						
June .....	2.26	3.10	3.49	1.23	1.44						
July .....	.52	3.47	4.05	2.21	.83						
August .....	2.12	1.18	3.02	2.28	2.76						
September.....	.77	6.45	3.82	1.42	2.81						
October.....	6.17	2.52	4.73	1.88	2.74						
November.....	1.90	1.11	5.22	1.96	2.40						
December.....	2.86	1.93	4.42	.52	2.64						
TOTALS .....	25.61	29.19	44.75	20.80	24.94						



# RAINFALL AT *Mickleton Lime Kiln Pasture*

70

Lat. ....

Lon. ....

County of *York N.R.*

Rain Gauge, by .....

Observer *M<sup>r</sup> G. Wade*

Diameter ....											
Height ....								1 0			
Altitude ....								1175			
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....								# (6.70)	4.50	1.10	
February. . .								3.50	1.10	2.00	
March .....								4.10	2.90	2.50	
April .....								4.40	3.10	2.80	
May .....								3.10	4.30	1.50	
June .....								3.50	2.40	3.80	
July .....								5.90	3.10	6.10	
August ....								10.80	4.90	4.90	
September ..								3.70	3.00	3.90	
October ....								4.50	5.30	2.00	
November' ..								5.50	3.70	2.50	
December ..								4.50	2.90	3.90	
TOTALS ..								(60.20)	41.20	37.00	

*1877 Observations commenced on the 5<sup>th</sup> amount registered from 5<sup>th</sup> - 31<sup>st</sup> 4.80 in + 1.90 (computed amount for the 5 days) = 6.70 in*

*Gauge situated on a hill 2 miles S.W. of Mickleton on the Kelton Road*



# RAINFALL AT *Middleton* [*Middleton in Teesdale*]

Lat. ....

Lon. ....

County of *Yorkshire N.R.*

Rain Gauge, by .....

Observer *W. George Wade*

Diameter . . .						8					
Height . . .						1 - -					
Altitude . . .						775					
Year . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January . . .							1.59	7.16	4.69	.83	
February . . .							6.90	3.41	1.31	3.65	
March . . . . .							7.34	5.57	2.17	2.65	
April . . . . .							3.07	4.21	2.66	1.96	
May . . . . .							.95	3.12	3.92	1.80	
June . . . . .							2.23	2.06	2.50	3.95	
July . . . . .							2.09	5.17	2.02	3.95	
August . . . .							3.00	7.57	4.12	4.82	
September . .							5.18	2.78	3.40	2.19	
October . . . .							2.64	4.49	3.29	1.58	
November . .						# 6.61	3.79	6.25	5.49	2.20	
December . .						3.47	10.58	2.74	3.19	2.72	
TOTALS . .							49.36	54.53	38.76	32.30	

*unsatisfactory record as 2.23*



# RAINFALL AT Harter Fell [Middleton in Teesdale]

Lat. ....

Lon. ....

County of Yorkshire N.R.

Rain Gauge, by .....

Observer M<sup>r</sup> G. Wade

Diameter....						8					
Height .....						1 -					
Altitude ....						1360					
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							2.40				
February....							7.50				
March .....							7.20				
April .....							3.90				
May .....							1.20				
June .....							2.20				
July .....							3.50				
August ....							3.40				
September ..							5.30				
October ....						# 4.50	3.10				
November ..						5.40	(4.50)	#			
December ..						4.10	(11.60)				
TOTALS ..							(55.80)				

1876 Gauge stolen in Nov?

These figures look unaccountably big as it is