

RAINFALL AT *Allenhead*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

W^r J. Charlton

Sch. Type 2.

Diameter	<i>8</i>										
Height	<i>0.4</i>										
Altitude	<i>1353</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>39</i>	<i>1.75</i>	<i>2.89</i>	<i>5.26</i>	<i>8.01</i>	<i>2.58</i>					
February	<i>84</i>	<i>3.59</i>	<i>4.47</i>	<i>4.54</i>	<i>3.36</i>	<i>2.73</i>					
March	<i>1.86</i>	<i>5.48</i>	<i>5.26</i>	<i>2.94</i>	<i>2.82</i>	<i>2.80</i>					
April	<i>3.05</i>	<i>1.91</i>	<i>4.98</i>	<i>1.86</i>	<i>3.26</i>	<i>2.99</i>					
May	<i>2.92</i>	<i>2.51</i>	<i>1.38</i>	<i>2.39</i>	<i>2.32</i>	<i>2.35</i>					
June	<i>3.76</i>	<i>2.78</i>	<i>4.62</i>	<i>2.47</i>	<i>.96</i>	<i>1.93</i>					
July	<i>6.96</i>	<i>4.68</i>	<i>2.80</i>	<i>3.79</i>	<i>6.89</i>	<i>1.08</i>					
August	<i>1.11</i>	<i>6.23</i>	<i>3.01</i>	<i>3.90</i>	<i>.69</i>	<i>3.02</i>					
September	<i>5.44</i>	<i>5.03</i>	<i>3.89</i>	<i>5.79</i>	<i>3.03</i>	<i>3.33</i>					
October	<i>4.83</i>	<i>6.17</i>	<i>4.25</i>	<i>6.21</i>	<i>3.21</i>	<i>5.75</i>					
November	<i>1.84</i>	<i>6.70</i>	<i>6.05</i>	<i>2.59</i>	<i>2.76</i>	<i>.93</i>					
December	<i>5.95</i>	<i>4.70</i>	<i>5.09</i>	<i>3.27</i>	<i>5.63</i>	<i>.50</i>					
TOTALS	<i>38.95</i>	<i>51.53</i>	<i>48.69</i>	<i>45.01</i>	<i>42.94</i>	<i>29.99</i>					

probably bad

Sta. No. 015338. Cannot be reckoned as being Homogeneous with Sta. No. 015339
1852-1885 1910-1972

N. B. annual values rejected from Survey Map. 1929.

RAINFALL AT Shotley Hall

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

Wth J. Coulson

Gyne 3

Diameter	5										
Height	0.5										
Altitude	315T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...	.58	1.21									
February ...	3.15	2.62									
March	1.02	2.68									
April	2.85	.97									
May	2.45	1.13									
June	2.51	3.07									
July	5.64	1.99									
August	2.28	7.97									
September ...	5.05	5.25									
October	6.96	5.71									
November ...	3.09	3.04									
December	4.11	3.04									
TOTALS	39.69	38.68									

1880. St. Cuthbert's $\frac{1}{4}$ mile E

Shrubs 11ft high 20ft S.W.

RAINFALL AT *Haydon Bridge Kiddle* **80**

Lat. Lon. County of *Northumberland*
 Rain Gauge, by Observer *Rev G Reed*

St. Tyne 2

Diameter		5									
Height		4 - 2.8									
Altitude		340T									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...			1.22	2.69	3.86	1.56	5.15	1.21	1.71	1.27	
February ...			1.49	1.62	1.11	1.33	.96	1.35	2.35	1.66	
March			2.46	1.25	1.68	1.36	2.30	2.31	3.26	2.94	
April			3.23	1.11	.99	1.60	2.19	1.25	2.53	3.81	
May .....			.85	2.01	1.76	2.49	4.62	2.03	1.24	1.66	
June			4.89	2.47	.47	1.20	3.09	.47	3.73	.56	
July			2.76	4.11	6.73	1.27	6.19	2.36	6.14	3.66	
August			2.83	3.22	.87	3.23	1.21	2.00	3.04	5.18	
September ...	#	4.02	1.61	4.89	1.12	1.89	4.54	4.97	1.11	1.47	
October		4.41	3.15	2.81	1.88	3.05	5.42	2.28	1.89	5.39	
November		1.86	3.22	1.91	1.51	1.53	5.07	4.71	6.78	1.43	
December		2.36	1.15	1.86	3.42	1.04	4.67	3.41	.89	1.90	
TOTALS			28.86	29.95	25.40	21.55	45.41	28.29	34.67	30.93	

1882 *Haltwhistle Church 6 miles W.*

Bush 4ft high 13ft E

5ft . 34ft W

House 60ft N

Gauge on a wall 2ft 8in high on one side and 12ft 6in high on the other

1883 *Disch Ch of Beltingham 30 yds N.*

RAINFALL AT

Haltwhistle Unthank **80**

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

Per Dixon Brown

Stk. Tyne 2

Diameter	5											
Height	0.9											
Altitude	380T											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January .....	.96	.54	2.78	3.94	6.98	1.68	6.20	1.89	1.70	1.29	2.796	
February	2.27	3.28	3.53	2.46	2.15	2.32	.98	1.48	1.12	2.25	2.184	
March	1.04	3.49	3.69	1.17	2.06	2.34	3.15	2.41	3.53	2.62	2.550	
April	2.82	1.65	3.23	1.26	1.52	1.74	2.43	1.54	1.85	2.88	2.092	
May	1.91	2.52	1.55	1.44	3.43	2.45	4.21	1.50	1.29	1.38	2.168	
June	3.59	2.92	6.71	3.10	.60	1.24	2.37	.36	3.32	.83	2.504	
July	6.48	4.37	4.60	3.53	9.29	1.69	5.68	1.78	4.77	4.28	4.647	
August .....	.96	5.42	2.96	4.14	1.28	2.98	1.24	2.56	2.76	5.19	2.949	
September	4.98	4.33	1.74	5.46	2.44	2.59	4.57	5.08	1.16	1.82	3.417	
October	3.62	5.81	3.87	3.71	1.87	3.77	4.61	2.24	2.16	3.80	3.546	
November	4.21	3.87	4.86	3.59	1.72	1.69	4.64	3.89	6.10	1.21	3.578	
December	5.25	4.30	3.67	3.39	5.08	1.65	5.37	3.36	1.16	2.14	3.537	
TOTALS	38.09	42.50	43.19	37.19	38.42	26.14	45.45	28.09	30.92	29.69	35.968	

Haltwhistle Church 2 miles W

Trees 80ft high 120ft distant

Garden Walls 10ft high 75ft distant

Green House 8ft 30ft N

RAINFALL AT Saltwhistle, Shaft-Hill 80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

W. R. Letherington

Sik. Type 2.

Diameter	5										
Height	8. 0 28"				9			8			
Altitude	626 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...	.70	.40	3.44	5.01	6.88	1.86	7.17	3.01	1.98	1.76	3.221
February	3.06	3.30	3.75	2.56	2.35	3.08	.81	2.55	1.34	2.88	2.568
March	1.70	3.70	4.58	1.45	1.93	1.58	3.57	2.63	4.05	2.04	2.723
April	3.22	1.64	2.83	1.07	1.42	1.68	3.55	1.82	2.19	3.24	2.266
May	1.81	3.34	2.10	1.29	4.03	2.36	4.76	1.40	1.73	1.56	2.438
June	4.48	3.15	5.68	3.65	.53	1.45	1.43	.28	3.13	.91	2.469
July	7.26	5.21	4.43	2.98	9.07	1.16	4.29	1.55	5.49	2.79	4.423
August	1.05	5.36	2.96	4.81	1.27	3.19	1.27	2.97	2.62	4.65	3.015
September	4.16	3.67	1.92	5.83	2.45	3.22	4.31	4.01	1.29	1.93	3.279
October	3.87	4.17	4.35	4.93	1.96	4.28	4.73	2.40	2.50	5.49	3.868
November	5.00	4.26	5.97	4.32	1.44	1.78	5.17	4.82	5.25	.99	3.900
December	4.31	4.11	4.49	3.50	4.94	1.68	5.67	3.33	1.93	2.05	3.601
TOTALS	40.62	42.31	46.50	41.40	38.27	27.32	46.73	30.77	33.50	30.29	37.771

Lambley Church 1 mile W.

Hedge 5ft high 15 ft E

RAINFALL AT Haydon Bridge

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

T. J. Bewick Esq, C.E.Type Stk. 2

Diameter	<u>8</u>										
Height	<u>1.0</u>										
Altitude	<u>2917</u>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<u>.42</u>	<u>.75</u>	<u>1.63</u>	<u>2.94</u>	<u>5.47</u>	<u>1.36</u>					
February	<u>1.88</u>	<u>2.89</u>	<u>2.07</u>	<u>1.77</u>	<u>1.43</u>	<u>1.24</u>					
March	<u>1.26</u>	<u>2.75</u>	<u>3.20</u>	<u>1.19</u>	<u>1.89</u>	<u>1.95</u>					
April	<u>2.93</u>	<u>1.67</u>	<u>3.37</u>	<u>1.26</u>	<u>1.41</u>	<u>1.60</u>					
May	<u>2.07</u>	<u>1.94</u>	<u>.87</u>	<u>1.18</u>	<u>2.14</u>	<u>2.30</u>					
June	<u>2.69</u>	<u>2.70</u>	<u>3.85</u>	<u>2.50</u>	<u>.58</u>	<u>1.14</u>					
July	<u>6.96</u>	<u>4.04</u>	<u>3.05</u>	<u>3.04</u>	<u>5.93</u>	<u>1.11</u>					
August	<u>.87</u>	<u>5.02</u>	<u>2.51</u>	<u>2.82</u>	<u>.70</u>	<u>3.45</u>					
September	<u>4.13</u>	<u>4.11</u>	<u>1.64</u>	<u>5.41</u>	<u>2.18</u>	<u>1.70</u>					
October	<u>3.65</u>	<u>4.39</u>	<u>3.24</u>	<u>2.78</u>	<u>2.12</u>	<u>3.51</u>					
November	<u>3.17</u>	<u>2.75</u>	<u>3.67</u>	<u>2.68</u>	<u>1.60</u>	<u>1.58</u>					
December	<u>4.59</u>	<u>2.37</u>	<u>3.56</u>	<u>2.41</u>	<u>3.27</u>	<u>1.41</u>					
TOTALS	<u>34.62</u>	<u>35.38</u>	<u>32.66</u>	<u>29.98</u>	<u>28.72</u>	<u>22.35</u>					

RAINFALL AT Newbrough 80

Lat. Lon. County of Northumberland
Rain Gauge, by Observer Rev W Watkins

Sch. Tyne 2

Diameter			5								
Height			1.1								
Altitude			2447								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January			1.50								
February			1.67								
March			2.43								
April			2.83								
May . . . . .			.73								
June			4.14								
July			2.98								
August			2.64								
September			1.71								
October			3.35								
November			3.67								
December			4.19								
TOTALS			31.84								

RAINFALL AT *Bywell*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

W^h H. J. Tone

Gyne 3

Diameter	<i>8</i>											
Height	<i>0.6</i>											
Altitude	<i>87T</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.25</i>	<i>1.04</i>	<i>.28</i>									
February	<i>1.98</i>	<i>2.51</i>	<i>.32</i>									
March	<i>.63</i>	<i>1.98</i>	<i>2.36</i>									
April	<i>2.10</i>	<i>1.20</i>	<i>3.28</i>									
May	<i>1.83</i>	<i>1.04</i>	<i>1.08</i>									
June	<i>1.71</i>	<i>2.48</i>	<i>4.13</i>									
July	<i>4.85</i>	<i>2.66</i>	<i>2.04</i>									
August	<i>2.38</i>	<i>3.97</i>	<i>2.58</i>									
September	<i>4.55</i>	<i>4.34</i>	<i>2.64</i>									
October	<i>4.58</i>	<i>3.29</i>	<i>5.50</i>									
November	<i>1.20</i>	<i>1.62</i>	<i>3.04</i>									
December	<i>3.18</i>	<i>1.74</i>	<i>3.78</i>									
TOTALS	<i>29.24</i>	<i>27.87</i>	<i>31.03</i>									

1880. Bywell, St. Peter's

3/4 mile

W.

RAINFALL AT *Corbridge on Tyne, London Gauge*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

T. G. Hurst, Esq.

Tyne 3

Diameter	<i>5</i>										
Height	<i>0.8</i>										
Altitude	<i>275</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.51</i>	<i>.60</i>	<i>1.24</i>	<i>2.74</i>							
February	<i>1.77</i>	<i>3.00</i>	<i>1.20</i>	<i>1.98</i>							
March	<i>1.02</i>	<i>2.63</i>	<i>2.29</i>	<i>1.43</i>							
April	<i>2.13</i>	<i>1.19</i>	<i>2.90</i>	<i>1.63</i>							
May	<i>2.51</i>	<i>1.48</i>	<i>.63</i>	<i>1.31</i>							
June	<i>1.93</i>	<i>2.28</i>	<i>3.60</i>	<i>1.45</i>							
July	<i>4.58</i>	<i>3.16</i>	<i>2.56</i>	<i>3.40</i>							
August	<i>1.03</i>	<i>4.78</i>	<i>2.47</i>	<i>2.38</i>							
September	<i>4.19</i>	<i>4.64</i>	<i>1.75</i>	<i>4.65</i>							
October	<i>4.08</i>	<i>4.25</i>	<i>3.36</i>	<i>1.87</i>							
November	<i>2.90</i>	<i>2.01</i>	<i>3.31</i>	<i>2.06</i>							
December	<i>3.63</i>	<i>2.15</i>	<i>3.74</i>	<i>1.74</i>							
TOTALS	<i>30.28</i>	<i>32.17</i>	<i>29.05</i>	<i>26.64</i>							

1881. Corbridge

1 mile

N.N.W.

RAINFALL AT *Wylam Holyn Hall* 80

Lat. Lon. County of *Northumberland*
 Rain Gauge, by Observer *M^r W. McCombie*

M^r G. Irving

Lyne 3

Diameter	5	5						5			
Height	1. -	1. 0						1			
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...		1.14	.83	5.74	3.86	3.06		.45	.29	1.23	
February ...		3.30	.80	2.41	1.57	3.57		.10	.41	.25	
March		2.87	2.14	1.97	1.89	3.62		.96	4.28	3.56	
April		1.25	1.80	2.39	2.69	2.17		.38	1.74	1.01	
May		1.49	.96	5.51	1.21	4.07		1.30	1.10	1.37	
June	#	2.00	2.75	2.47	4.26	1.62	3.25	.13	3.46	.35	
July		5.08	3.27	2.32	3.31	2.21	4.86	.31	4.83	1.72	
August		1.22	5.01	2.95	4.69	1.35	5.72	1.05	2.23	3.78	
September ...		4.95	5.10	3.25	3.98	1.10	6.59	3.05	1.51	1.62	
October		5.54	4.21	3.48	4.62	1.60	7.37	5.01	.52	2.97	
November		2.41	1.83	3.70	3.29	1.35	3.26	2.72	3.80	.29	
December		3.95	2.40	1.74	1.60	1.07	2.93	1.09	.89	.56	
TOTALS		34.62	26.44	43.77	21.52	50.47		16.55	25.06	18.71	

1883 Amounts very large

Heddon on the Wall 2 miles E

1885 Unreliable 1887 Ditto. 1888 Ditto Snow not measd

1889 "

N.B. annual values rejected from Survey Map, 1929.

RAINFALL AT Newcastle Clifton Road

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

R. Foster, Esq

Lyne 3

Diameter		8									
Height		1.6									
Altitude		314									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....		1.20	.59	1.73	2.70	1.36	3.91	1.40	1.38	.76	
February		3.26	1.08	1.38	.97	.73	1.09	.32	1.04	.72	
March		2.61	1.41	1.64	2.02	1.56	2.80	1.46	5.49	2.30	
April		1.22	2.96	1.52	1.80	1.67	1.31	.82	1.50	2.84	
May		1.55	1.98	2.20	.86	3.15	2.33	1.24	.56	1.57	
June		2.54	3.32	3.28	.91	1.60	1.36	.24	2.41	.25	
July		2.82	2.47	3.25	3.70	1.46	4.38	1.07	5.46	3.08	
August		4.64	2.66	2.54	1.25	3.41	1.51	1.95	1.69	4.37	
September....		4.47	1.76	4.47	1.89	2.15	1.60	5.01	1.33	.96	
October		3.80	3.44	1.37	1.39	4.23	4.79	2.08	.83	4.78	
November....		1.30	2.71	1.31	1.37	1.93	3.84	3.05	4.58	.96	
December		2.02	3.64	1.76	1.28	.61	2.99	2.37	.69	1.13	
TOTALS		31.43	28.02	26.45	20.14	23.86	31.91	21.02	26.96	23.72	

St Stephens Church Elswick 1/2 mile S.E.

House 38 ft high 60 ft S. + S.E.

" 38 ft " 70 ft S.W.

RAINFALL AT Newcastle Clifton Road

80

Lat.

Lon. County of Northumberland

Rain Gauge, by

Observer

R. Foster

Type 3

Diameter				5							
Height				9				1.0			
Altitude				314							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...				(1.73)	2.75	1.45	3.94	1.25	1.47	.92	
February ...				1.34	1.01	.83	1.26	.39	1.12	.82	
March				1.39	1.99	1.61	2.35	1.52	4.99	2.31	
April				1.52	1.86	1.70	1.37	.86	1.55	2.96	
May				2.16	.95	3.27	2.45	1.28	.61	1.64	
June				3.35	.95	1.68	1.44	.28	2.41	.26	
July				3.32	3.79	1.52	4.45	1.14	5.52	3.14	
August				2.61	1.35	3.44	1.56	2.02	1.87	4.45	
September ...				4.56	1.91	2.38	1.69	5.07	1.38	.99	
October				1.46	1.47	4.26	4.83	2.26	.88	5.02	
November				1.42	1.53	2.05	3.71	3.08	4.54	1.00	
December				1.78	1.39	.68	3.04	2.74	.75	1.22	
TOTALS				(26.64)	20.95	24.87	32.06	21.89	27.09	24.73	

1883 Gauge changed at end of January
 1886 Gauge moved about 3 ft. E.

RAINFALL AT *Newcastle, Osborne Road* 80

Lat. Lon. County of *Northumberland*
 Rain Gauge, by Observer *J. G. Hurst Esq.*

Type 3

Diameter					5						
Height					9			8		9	
Altitude					1707						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					2.93	1.47	3.73	1.38	1.68	.91	
February					1.14	.81	1.43	.40	.95	.90	
March					2.06	1.69	3.63	1.50	5.69	2.80	
April					1.93	1.47	1.33	.84	1.68	2.82	
May .....					.98	3.06	2.39	1.20	.70	1.34	
June .....					.86	1.56	1.19	.30	1.94	.27	
July ..					4.27	1.57	3.95	1.26	5.41	2.75	
August .....					.96	3.03	1.37	1.87	1.90	5.04	
September....					1.39	2.27	1.66	4.96	.83	1.12	
October					1.22	3.98	4.38	1.72	1.08	4.83	
November....					1.44	2.13	3.52	3.12	4.67	.92	
December					1.22	.87	3.34	2.76	.68	1.41	
TOTALS					20.40	23.91	31.92	21.31	27.21	25.11	

RAINFALL AT *Newcastle, Philos. Society*

80

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *H. Lyall, Esq*

Lyne 3

Diameter	<i>8</i>											
Height	<i>1.7</i>									<i>55</i>		
Altitude	<i>105 T</i>									<i>160 T</i>		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ...	<i>.62</i>	<i>2.05</i>	<i>.53</i>	<i>1.83</i>	<i>2.78</i>	<i>1.36</i>	<i>3.39</i>	<i>1.83</i>	<i>1.20</i>	<i>#</i>	<i>1.656</i>	
February ...	<i>1.47</i>	<i>2.90</i>	<i>.41</i>	<i>1.49</i>	<i>1.27</i>	<i>.81</i>	<i>1.21</i>	<i>.44</i>	<i>2.32</i>	<i>.87</i>	<i>1.319</i>	
March	<i>.89</i>	<i>1.84</i>	<i>1.81</i>	<i>2.52</i>	<i>2.00</i>	<i>1.59</i>	<i>2.60</i>	<i>1.33</i>	<i>5.59</i>	<i>2.95</i>	<i>2.312</i>	
April	<i>2.53</i>	<i>.84</i>	<i>2.65</i>	<i>1.30</i>	<i>2.01</i>	<i>1.83</i>	<i>1.37</i>	<i>.99</i>	<i>1.63</i>	<i>2.04</i>	<i>1.719</i>	
May	<i>1.21</i>	<i>1.70</i>	<i>2.09</i>	<i>2.03</i>	<i>.83</i>	<i>3.12</i>	<i>2.17</i>	<i>1.60</i>	<i>.68</i>	<i>1.23</i>	<i>1.666</i>	
June	<i>1.05</i>	<i>1.36</i>	<i>3.39</i>	<i>2.69</i>	<i>.99</i>	<i>1.54</i>	<i>1.27</i>	<i>.25</i>	<i>2.13</i>	<i>.16</i>	<i>1.483</i>	
July	<i>4.52</i>	<i>2.40</i>	<i>2.63</i>	<i>3.66</i>	<i>4.03</i>	<i>1.47</i>	<i>3.49</i>	<i>.84</i>	<i>5.20</i>	<i>2.71</i>	<i>3.095</i>	
August	<i>1.85</i>	<i>5.83</i>	<i>3.00</i>	<i>2.79</i>	<i>.97</i>	<i>3.70</i>	<i>2.25</i>	<i>2.21</i>	<i>1.75</i>	<i>4.41</i>	<i>2.826</i>	
September ...	<i>3.74</i>	<i>4.23</i>	<i>1.60</i>	<i>3.42</i>	<i>1.52</i>	<i>2.57</i>	<i>1.67</i>	<i>5.02</i>	<i>1.08</i>	<i>.83</i>	<i>2.568</i>	
October	<i>4.62</i>	<i>3.39</i>	<i>3.39</i>	<i>2.16</i>	<i>1.35</i>	<i>3.87</i>	<i>4.64</i>	<i>1.93</i>	<i>1.12</i>	<i>4.53</i>	<i>3.100</i>	
November	<i>2.24</i>	<i>.97</i>	<i>2.68</i>	<i>1.31</i>	<i>1.52</i>	<i>1.86</i>	<i>3.66</i>	<i>2.88</i>	<i>4.37</i>	<i>.99</i>	<i>2.248</i>	
December	<i>3.15</i>	<i>2.41</i>	<i>4.42</i>	<i>1.93</i>	<i>1.35</i>	<i>.85</i>	<i>3.20</i>	<i>2.60</i>	<i>.86</i>	<i>#</i>	<i>2.204</i>	
TOTALS	<i>27.39</i>	<i>29.92</i>	<i>28.60</i>	<i>27.13</i>	<i>20.62</i>	<i>24.57</i>	<i>30.92</i>	<i>21.92</i>	<i>27.93</i>	<i>22.96</i>	<i>(26.196)</i>	

St. Johns 130 yards NW

1883. Building 35' 40' around.

1889 Gauge moved to roof at beginning of year owing to alterations

RAINFALL AT *Hallington, Fawcett* 80

Lat.

Lon. County of *Northumberland*

Rain Gauge, by

Observer *D. D. Main, Esq.*
J. Mangham, Esq.

N. Lyne. 4

Diameter	<i>10</i>											
Height	<i>6</i>											
Altitude	<i>563 ft</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>28</i>	<i>26</i>	<i>1.25</i>	<i>3.01</i>	<i>4.02</i>	<i>1.50</i>	<i>5.80</i>	<i>1.21</i>	<i>.87</i>	<i>.88</i>	<i>1.908</i>	
February	<i>1.25</i>	<i>3.66</i>	<i>2.02</i>	<i>1.22</i>	<i>1.49</i>	<i>.81</i>	<i>1.61</i>	<i>.61</i>	<i>2.33</i>	<i>1.01</i>	<i>1.601</i>	
March	<i>1.78</i>	<i>4.35</i>	<i>1.01</i>	<i>1.00</i>	<i>1.52</i>	<i>1.43</i>	<i>4.22</i>	<i>2.07</i>	<i>4.31</i>	<i>2.40</i>	<i>2.409</i>	
April	<i>2.28</i>	<i>1.57</i>	<i>2.22</i>	<i>1.04</i>	<i>1.51</i>	<i>1.58</i>	<i>1.62</i>	<i>1.16</i>	<i>1.57</i>	<i>3.69</i>	<i>1.824</i>	
May	<i>1.44</i>	<i>2.46</i>	<i>.75</i>	<i>1.79</i>	<i>1.96</i>	<i>2.22</i>	<i>2.88</i>	<i>1.94</i>	<i>.75</i>	<i>2.04</i>	<i>1.823</i>	
June	<i>1.39</i>	<i>1.54</i>	<i>2.91</i>	<i>1.95</i>	<i>.33</i>	<i>.80</i>	<i>2.62</i>	<i>.29</i>	<i>2.18</i>	<i>.33</i>	<i>1.434</i>	
July	<i>3.93</i>	<i>3.65</i>	<i>3.38</i>	<i>4.74</i>	<i>3.95</i>	<i>1.00</i>	<i>3.33</i>	<i>1.63</i>	<i>4.17</i>	<i>3.60</i>	<i>3.338</i>	
August	<i>2.04</i>	<i>6.63</i>	<i>2.83</i>	<i>2.31</i>	<i>1.18</i>	<i>2.55</i>	<i>2.22</i>	<i>2.28</i>	<i>2.16</i>	<i>2.97</i>	<i>2.717</i>	
September	<i>4.88</i>	<i>4.14</i>	<i>1.78</i>	<i>4.08</i>	<i>1.74</i>	<i>2.02</i>	<i>2.34</i>	<i>4.47</i>	<i>1.10</i>	<i>1.04</i>	<i>2.759</i>	
October	<i>3.08</i>	<i>3.06</i>	<i>3.21</i>	<i>2.37</i>	<i>1.41</i>	<i>1.95</i>	<i>5.34</i>	<i>1.84</i>	<i>1.10</i>	<i>5.11</i>	<i>2.847</i>	
November	<i>3.54</i>	<i>1.58</i>	<i>4.06</i>	<i>1.13</i>	<i>1.46</i>	<i>2.67</i>	<i>4.02</i>	<i>3.52</i>	<i>5.49</i>	<i>.93</i>	<i>2.840</i>	
December	<i>3.37</i>	<i>3.83</i>	<i>4.34</i>	<i>1.98</i>	<i>2.74</i>	<i>1.90</i>	<i>3.44</i>	<i>2.41</i>	<i>.96</i>	<i>1.16</i>	<i>2.613</i>	
TOTALS	<i>29.26</i>	<i>36.73</i>	<i>29.76</i>	<i>26.62</i>	<i>23.31</i>	<i>20.43</i>	<i>39.44</i>	<i>23.43</i>	<i>26.99</i>	<i>25.16</i>	<i>28.113</i>	

RAINFALL AT *Newcastle, Portland Road*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

M^r T Bone

Syne 3

Diameter		<i>4</i>									
Height		<i>9.6</i>									
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.64</i>	<i>.97</i>	<i>1.01</i>	<i>1.72</i>	<i>3.05</i>	<i>1.76</i>		<i>1.40</i>	<i>1.38</i>		
February	<i>1.57</i>	<i>3.59</i>	<i>.94</i>	<i>1.70</i>	<i>1.22</i>	<i>.83</i>		<i>.40</i>	<i>1.15</i>		
March	<i>1.56</i>	<i>2.89</i>	<i>1.34</i>	<i>2.17</i>	<i>1.84</i>	<i>1.58</i>		<i>1.77</i>	<i>4.58</i>		
April	<i>1.96</i>	<i>1.28</i>	<i>3.26</i>	<i>1.37</i>	<i>2.00</i>	<i>1.27</i>		<i>.89</i>	<i>1.77</i>		
May	<i>1.35</i>	<i>2.07</i>	<i>1.78</i>	<i>2.53</i>	<i>.96</i>	<i>2.49</i>		<i>1.44</i>	<i>.69</i>		
June	<i>1.22</i>	<i>2.04</i>	<i>3.78</i>	<i>2.85</i>	<i>1.01</i>	<i>.76</i>		<i>.28</i>	<i>2.02</i>		
July	<i>4.94</i>	<i>3.68</i>	<i>2.74</i>	<i>4.47</i>	<i>4.25</i>	<i>1.56</i>		<i>1.06</i>	<i>5.52</i>		
August	<i>1.23</i>	<i>5.94</i>	<i>2.91</i>	<i>3.53</i>	<i>1.05</i>	<i>3.84</i>		<i>2.01</i>	<i>1.73</i>		
September	<i>3.92</i>	<i>4.80</i>	<i>2.21</i>	<i>4.85</i>	<i>1.45</i>	<i>2.66</i>		<i>5.07</i>	<i>1.39</i>		
October	<i>5.42</i>	<i>3.87</i>	<i>2.87</i>	<i>1.72</i>	<i>1.34</i>	<i>4.36</i>		<i>2.00</i>	<i>.80</i>		
November	<i>2.23</i>	<i>1.17</i>	<i>2.66</i>	<i>1.22</i>	<i>1.64</i>	<i>2.06</i>		<i>3.08</i>	<i>4.53</i>		
December	<i>3.79</i>	<i>2.57</i>	<i>4.64</i>	<i>2.37</i>	<i>1.15</i>	<i>.80</i>		<i>2.76</i>	<i>.73</i>		
TOTALS	<i>29.83</i>	<i>34.87</i>	<i>30.14</i>	<i>30.50</i>	<i>20.96</i>	<i>23.97</i>		<i>22.16</i>	<i>26.29</i>	<i>nip</i>	

1886 Record lost

RAINFALL AT *New-castle Gladstone Terrace*

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

H. Smurthwaite, Esq.

Lyne lower 3

Diameter	2										
Height	6.0										
Altitude	150T							120	156T		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...	1.13	.32	53	1.60	3.01	1.57	3.74	1.29	1.32	1.00	1.551
February ...	1.41	2.96	.94	1.33	1.09	.59	.22	.35	.96	.69	1.054
March	1.42	2.30	1.60	1.66	1.85	1.68	2.74	1.42	4.74	2.78	2.219
April	1.95	1.19	3.33	1.44	2.04	1.51	1.63	.91	1.67	2.52	1.819
May	1.29	1.90	1.72	2.59	.97	2.98	2.17	1.46	.68	1.31	1.707
June	1.17	2.07	3.76	2.85	1.04	1.59	1.59	.27	2.01	.18	1.653
July	5.56	3.48	2.77	4.66	4.59	1.58	4.77	1.17	5.48	2.89	3.695
August	1.36	5.17	2.94	3.45	.96	3.39	1.60	2.21	1.80	5.03	2.791
September ...	4.12	4.75	2.17	4.66	1.41	2.32	1.71	6.02	1.52	.98	2.966
October	5.52	3.44	2.90	1.80	1.44	4.50	4.48	1.91	1.14	4.70	3.183
November	2.10	1.08	2.72	1.38	1.53	1.75	2.44	3.07	4.48	.99	2.148
December	3.33	2.45	4.17	2.20	1.38	.80	3.30	2.76	.78	1.31	2.248
TOTALS	30.36	31.11	29.55	29.62	21.31	24.26	30.39	(22.78)	26.58	24.38	(27.034)

House 30ft high 20ft W.

1887 Gauge moved in September from 5 Gladstone Terrace to 71 Breamish Street and returned at or about the beginning of 1888 to 7 Gladstone Terrace where the position and exposure are similar to No 5.

RAINFALL AT *Newcastle, Town Moor*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

W^E H. Heill

Syne Lower 3

Diameter	<i>5</i>											
Height	<i>0.6</i>									<i>2.0</i>		
Altitude	<i>201 ft</i>											
Year	<i>1880</i>	<i>1881</i>	<i>1882</i>	<i>1883</i>	<i>1884</i>	<i>1885</i>	<i>1886</i>	<i>1887</i>	<i>1888</i>	<i>1889</i>	MEANS.	
January	<i>.59</i>	<i>1.88</i>	<i>.73</i>	<i>1.84</i>	<i>3.22</i>	<i>1.84</i>	<i>3.88</i>	<i>1.48</i>	<i>1.70</i>	<i>.91</i>	<i>1.807</i>	
February	<i>1.53</i>	<i>3.36</i>	<i>.99</i>	<i>1.56</i>	<i>1.25</i>	<i>.91</i>	<i>1.62</i>	<i>.49</i>	<i>1.18</i>	<i>1.06</i>	<i>1.395</i>	
March	<i>1.49</i>	<i>2.82</i>	<i>1.41</i>	<i>2.29</i>	<i>2.13</i>	<i>1.80</i>	<i>3.46</i>	<i>1.96</i>	<i>5.98</i>	<i>3.00</i>	<i>2.634</i>	
April	<i>1.96</i>	<i>1.18</i>	<i>2.95</i>	<i>1.34</i>	<i>2.14</i>	<i>1.78</i>	<i>1.43</i>	<i>1.07</i>	<i>1.77</i>	<i>2.72</i>	<i>1.834</i>	
May	<i>1.51</i>	<i>1.79</i>	<i>1.88</i>	<i>2.42</i>	<i>1.07</i>	<i>3.01</i>	<i>2.59</i>	<i>1.35</i>	<i>.71</i>	<i>1.14</i>	<i>1.747</i>	
June	<i>1.27</i>	<i>2.06</i>	<i>3.79</i>	<i>2.75</i>	<i>.90</i>	<i>1.61</i>	<i>1.35</i>	<i>.34</i>	<i>2.06</i>	<i>.23</i>	<i>1.636</i>	
July	<i>5.24</i>	<i>3.01</i>	<i>3.22</i>	<i>4.33</i>	<i>4.54</i>	<i>1.64</i>	<i>3.99</i>	<i>1.12</i>	<i>5.44</i>	<i>2.64</i>	<i>3.517</i>	
August	<i>1.30</i>	<i>5.57</i>	<i>3.00</i>	<i>3.25</i>	<i>1.00</i>	<i>3.14</i>	<i>1.44</i>	<i>1.68</i>	<i>1.80</i>	<i>4.97</i>	<i>2.715</i>	
September	<i>3.80</i>	<i>4.27</i>	<i>1.94</i>	<i>4.11</i>	<i>1.56</i>	<i>2.44</i>	<i>1.64</i>	<i>5.40</i>	<i>1.42</i>	<i>1.21</i>	<i>2.779</i>	
October	<i>4.65</i>	<i>3.88</i>	<i>3.15</i>	<i>1.76</i>	<i>1.54</i>	<i>4.20</i>	<i>4.44</i>	<i>1.98</i>	<i>.90</i>	<i>4.75</i>	<i>3.122</i>	
November	<i>2.24</i>	<i>1.29</i>	<i>2.96</i>	<i>1.52</i>	<i>1.56</i>	<i>1.99</i>	<i>3.71</i>	<i>3.19</i>	<i>4.57</i>	<i>.97</i>	<i>2.400</i>	
December	<i>3.60</i>	<i>2.29</i>	<i>4.06</i>	<i>2.26</i>	<i>1.43</i>	<i>.93</i>	<i>3.56</i>	<i>2.75</i>	<i>.70</i>	<i>1.47</i>	<i>2.305</i>	
TOTALS	<i>29.18</i>	<i>33.40</i>	<i>30.08</i>	<i>29.43</i>	<i>22.34</i>	<i>25.29</i>	<i>33.08</i>	<i>22.81</i>	<i>28.23</i>	<i>25.07</i>	<i>27.891</i>	

1881. Jesmond Church ½ mile SE.

Wall 6ft-high 50ft-N

Hedge 6ft- " 50ft-S

1889 Gauge moved Oct 29 24 yards E

RAINFALL AT *Newcastle Thorn Tree Farm Denton*

80

Lat. Lon. County of *Northumberland*

Rain Gauge, by Observer *J. J. Ross*

<i>Tyne Lower 3</i>											
Diameter			5								
Height			1 -								
Altitude			203T								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January				1.67	3.23						
February				1.61	1.13						
March				1.79	2.12						
April				1.62	1.85						
May				2.06	1.19						
June				2.56	.77						
July				3.67	3.97						
August			# 2.92	2.62	1.31						
September			1.83	5.01	2.16						
October			3.47	1.45	1.29						
November			2.82	1.55	1.60						
December			3.83	1.91	1.20	#					
TOTALS				27.52	21.82						

St. James Church Bennell 1 1/2 miles S.E.
House 36ft high 40ft NE
1883 Bushes 3ft 6. high 15ft. N.W. S. or S.E.

RAINFALL AT Newcastle, Wellbourn, Leamond 80

Lat.

Lon.

County of

Northumberland and

Rain Gauge, by

Observer

W. H. Holmes, Esq.

Type - Lower 3

Diameter		5									
Height		1.0					1.6				
Altitude		1617									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...		1.36	.57	2.12	3.71	1.52	3.59	1.22	1.50	1.02	
February ...		2.97	.96	1.75	1.35	.85	1.13	.43	.97	1.01	
March		2.42	1.22	2.09	2.07	1.78	4.57	1.60	4.84	2.54	
April		1.11	2.90	1.59	2.03	1.81	1.56	1.02	1.50	2.47	
May		1.65	1.72	3.08	.99	2.94	2.64	1.41	.68	1.10	
June		2.02	3.96	4.02	1.00	1.59	1.37	.32	1.90	.29	
July		3.18	3.33	4.94	4.53	1.66	4.44	1.27	5.51	2.60	
August		5.44	3.51	3.91	.99	3.01	1.70	1.97	1.74	5.56	
September ...		4.72	2.73	5.13	1.60	2.68	1.78	5.24	1.39	1.07	
October		3.60	3.71	1.90	1.52	3.96	4.55	1.89	.91	4.83	
November		1.09	3.11	1.64	1.59	3.01	3.61	2.79	3.79	.94	
December		2.17	4.12	2.15	1.51	.97	3.47	2.14	.74	1.59	
TOTALS ...		31.73	31.84	34.32	22.89	25.78	34.38	21.30	25.47	25.02	

1881. St. Andrews 1 1/2 mile S.W.

House 35 ft high 50 ft S.E.

1882 Gauge moved 3 or 4 yards to more favourable situation

1884 Gauge moved from back to front of house

House 30 ft high 50 ft N.E.

1889 Gauge moved 12 ft NW

RAINFALL AT *North Shields, Wallsend*

80

Lat. Lon. County of *Northumberland*

Rain Gauge, by Observer *J. H. Dees, Esq.*

Syne - Lower 3

Diameter	<input type="checkbox"/> 10										
Height	0.6										
Altitude	100T									木	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...	50 2.05			.98	1.50	1.23	3.16	1.73	1.61	1.08	
February ...	1.34 3.20			2.47	2.20	1.34	1.35	.43	.91	1.03	
March	1.45 3.68			2.30	2.46	1.54	2.82	1.69	4.90	2.67	
April	1.76 1.08			1.10	2.15	1.42	1.56	.89	1.49	2.86	
May	1.22 1.56			2.13	3.11	2.37	2.26	1.35	.49	1.21	
June .....	.93 1.66	2.62	2.20	1.10	1.50	1.18	.34	1.81	.24		
July	6.26 2.93	2.93	3.68	3.44	1.09	3.84	.93	4.92	2.65		
August	1.37 4.22	4.45	2.66	.91	2.87	1.59	2.63	1.71	4.08		
September ...	3.69 4.96	1.74	3.42	1.54	2.52	1.72	4.52	1.39	1.21		
October	4.71 1.87	2.91	1.59	1.03	4.11	3.86	2.38	.92	4.54		
November	2.28 1.00	2.92	1.20	1.42	2.15	3.60	2.26	3.59	1.04		
December	3.52 1.90	4.07	2.42	1.67	1.03	3.27	3.24	.74	1.66		
TOTALS	29.03 30.11		26.15	22.53	23.17	30.21	22.39	24.48	24.27		

1880. *St-Peter's, Wallsend* 3/4 mile E by S.

1882. *Record imperfect-*

RAINFALL AT *W. Shields, Post Office*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

The Meteor. Council

Type - lower 3

Diameter	8											
Height	1.4											
Altitude	100											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ...	.41	1.12	.57	1.49	2.83	1.56	2.39	1.46	1.18	1.09	1.410	
February ...	1.24	3.32	.54	1.47	.86	.79	1.20	.34	.99	1.10	1.185	
March	1.52	2.59	1.00	1.87	2.21	1.68	1.76	1.39	4.22	2.75	2.099	
April	1.46	1.06	2.97	1.15	2.11	1.65	1.45	.64	1.38	2.10	1.597	
May	1.23	1.60	2.33	1.56	.62	2.14	2.26	1.31	.39	1.47	1.491	
June	1.14	1.50	3.52	2.26	1.39	1.27	1.07	.24	1.74	.25	1.438	
July	4.23	2.86	3.66	4.03	2.45	1.16	4.03	.73	5.03	2.72	3.090	
August	1.21	4.55	4.12	2.38	.65	3.33	2.15	2.29	1.78	4.21	2.667	
September ...	3.63	4.36	1.63	3.02	1.17	2.14	1.65	4.98	1.20	1.27	2.505	
October	3.48	3.04	2.66	1.54	1.61	3.85	2.94	2.97	.69	4.10	2.688	
November	2.08	1.12	2.65	.82	1.40	1.53	2.74	2.59	3.29	.93	1.915	
December	2.96	1.66	3.24	2.33	1.47	.64	3.26	2.80	.68	1.40	2.044	
TOTALS	24.59	28.78	28.89	23.92	18.77	21.74	26.90	21.74	22.57	23.39	24.129	

RAINFALL AT *N Shields, Rosella Place*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

E Spence, Esq

Syne - lower 3

Diameter	8										
Height	1.6							1.0			
Altitude	1247										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	38	1.65	57	1.53	2.93	1.88	2.70	1.63	1.40	1.20	1.587
February	1.49	3.80	53	1.52	.92	1.00	1.36	.38	.97	1.31	1.328
March	1.64	2.92	.99	2.14	2.34	2.22	2.97	1.82	4.69	2.57	2.430
April	1.74	1.05	3.04	1.23	2.16	1.56	1.58	.72	1.41	2.18	1.667
May	1.31	1.65	2.40	1.72	.58	2.75	2.38	1.49	.38	1.48	1.614
June	1.24	1.41	3.88	2.33	1.35	1.62	1.18	.32	1.92	.23	1.548
July	4.67	3.65	3.80	4.05	2.72	1.59	4.32	.80	5.45	2.88	3.393
August	1.44	4.76	4.42	2.64	.72	3.55	1.95	2.41	2.03	4.54	2.846
September	4.33	4.65	1.68	3.09	.64	2.46	1.82	5.05	1.40	1.50	2.662
October	3.80	3.26	2.96	1.58	1.64	4.56	3.21	3.23	.83	4.40	2.947
November	2.32	1.30	2.71	1.00	1.62	1.92	2.85	2.57	3.01	1.02	2.032
December	3.82	1.86	3.69	2.38	1.69	.96	3.37	3.50	.69	1.41	2.337
TOTALS	28.18	31.96	30.67	25.21	19.31	26.07	29.69	23.92	24.18	24.72	26.391

RAINFALL AT *N Shields Low Lights*

80

Lat.

Lon. County of *Northumberland*

Rain Gauge, by

Observer *J. R. Procter, Esq*

Lyne - Lower 3

Diameter	8										
Height	3.4										
Altitude	22 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....	.41	1.40	.64	1.56	3.01	1.69	2.62	1.67	1.40		
February	1.56	3.69	.64	1.58	1.07	1.04	1.47	.37	1.02		
March	1.53	1.58	1.08	1.76	2.35	2.18	2.39	1.72	4.45		
April	1.87	1.29	3.01	1.22	2.26	1.52	1.61	.78	1.19		
May	1.37	1.66	2.33	1.45	.74	2.54	2.60	1.41	.39		
June	1.14	1.48	3.81	2.37	1.33	1.60	1.18	.28	1.90		
July	4.84	3.74	3.94	3.99	2.03	1.59	4.13	.88	5.30		
August	1.41	4.14	4.08	2.49	.79	3.60	1.85	2.40	1.19		
September	3.97	4.63	1.66	3.46	1.27	2.47	1.79	5.23	1.40		
October	4.32	2.89	3.10	1.19	1.82	4.47	3.02	3.21	.78		
November	2.14	1.22	2.89	1.07	1.64	1.90	3.09	2.70	1.73		
December	3.70	1.76	3.20	2.58	1.70	.75	3.24	3.12	1.46		
TOTALS	28.26	29.48	30.38	24.72	20.01	25.35	28.99	23.77	22.21		

1880. Christ Church, 3/4 mile W.

RAINFALL AT *North Shields, Tyne mouth* 80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observed

P. J. Messent Esq. C. E.

Type - lower 3

Diameter	<i>5</i>										
Height	<i>2.8</i>						<i>1.8</i>				
Altitude	<i>65</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.29</i>	<i>1.26</i>	<i>.48</i>	<i>1.40</i>	<i>2.55</i>	<i>1.54</i>	<i>2.60</i>	<i>1.52</i>	<i>1.48</i>	<i>1.10</i>	<i>1.422</i>
February	<i>1.27</i>	<i>3.24</i>	<i>.50</i>	<i>1.41</i>	<i>.91</i>	<i>.78</i>	<i>1.28</i>	<i>.31</i>	<i>.95</i>	<i>.92</i>	<i>1.157</i>
March	<i>1.58</i>	<i>3.15</i>	<i>1.04</i>	<i>1.66</i>	<i>2.05</i>	<i>1.93</i>	<i>1.68</i>	<i>1.75</i>	<i>3.83</i>	<i>2.37</i>	<i>2.104</i>
April	<i>1.88</i>	<i>1.07</i>	<i>2.75</i>	<i>1.17</i>	<i>2.09</i>	<i>1.39</i>	<i>1.46</i>	<i>.75</i>	<i>1.32</i>	<i>2.22</i>	<i>1.610</i>
May	<i>1.31</i>	<i>1.63</i>	<i>2.33</i>	<i>1.51</i>	<i>.52</i>	<i>2.39</i>	<i>2.38</i>	<i>1.43</i>	<i>.37</i>	<i>1.74</i>	<i>1.561</i>
June	<i>.99</i>	<i>1.65</i>	<i>3.67</i>	<i>2.42</i>	<i>1.31</i>	<i>1.50</i>	<i>1.17</i>	<i>.31</i>	<i>1.82</i>	<i>.33</i>	<i>1.517</i>
July	<i>4.74</i>	<i>3.18</i>	<i>3.51</i>	<i>4.06</i>	<i>2.53</i>	<i>1.40</i>	<i>3.92</i>	<i>.91</i>	<i>4.69</i>	<i>2.82</i>	<i>3.176</i>
August	<i>1.10</i>	<i>4.41</i>	<i>4.05</i>	<i>2.25</i>	<i>.79</i>	<i>3.18</i>	<i>1.85</i>	<i>2.35</i>	<i>2.01</i>	<i>3.91</i>	<i>2.590</i>
September	<i>3.56</i>	<i>4.35</i>	<i>1.45</i>	<i>2.90</i>	<i>1.39</i>	<i>2.34</i>	<i>1.76</i>	<i>4.87</i>	<i>1.29</i>	<i>1.21</i>	<i>2.512</i>
October	<i>3.36</i>	<i>2.58</i>	<i>2.67</i>	<i>1.51</i>	<i>1.48</i>	<i>3.89</i>	<i>3.14</i>	<i>2.97</i>	<i>.72</i>	<i>4.33</i>	<i>2.665</i>
November	<i>1.90</i>	<i>1.01</i>	<i>2.50</i>	<i>.93</i>	<i>1.58</i>	<i>1.74</i>	<i>2.63</i>	<i>2.37</i>	<i>3.23</i>	<i>.92</i>	<i>1.881</i>
December	<i>3.36</i>	<i>1.59</i>	<i>3.06</i>	<i>2.49</i>	<i>1.47</i>	<i>.78</i>	<i>3.04</i>	<i>2.85</i>	<i>.70</i>	<i>1.31</i>	<i>2.065</i>
TOTALS	<i>25.34</i>	<i>29.12</i>	<i>28.01</i>	<i>23.71</i>	<i>18.67</i>	<i>22.86</i>	<i>26.91</i>	<i>22.39</i>	<i>22.41</i>	<i>23.18</i>	<i>24.260</i>

1880. St. Laviour's

833 yards

N.W. x N.

Gable end of Office 12ft 8in to ridge 8ft 4in N.W.

RAINFALL AT *N. Shields, Clevenorthorpe* **80**

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *J. R. Proctor, Esq.*

Tyne - lower 3

Diameter	<i>5</i>											
Height	<i>1.0</i>											
Altitude	<i>150</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.44</i>	<i>1.28</i>	<i>.59</i>	<i>1.59</i>	<i>2.99</i>	<i>1.70</i>	<i>2.96</i>	<i>1.63</i>	<i>1.41</i>			
February	<i>1.44</i>	<i>3.75</i>	<i>.59</i>	<i>1.41</i>	<i>1.04</i>	<i>1.08</i>	<i>1.44</i>	<i>.36</i>	<i>.93</i>			
March	<i>1.61</i>	<i>2.50</i>	<i>.91</i>	<i>1.91</i>	<i>2.40</i>	<i>2.26</i>	<i>2.51</i>	<i>1.70</i>	<i>4.35</i>			
April	<i>1.83</i>	<i>.92</i>	<i>2.81</i>	<i>1.29</i>	<i>2.12</i>	<i>1.60</i>	<i>1.45</i>	<i>.77</i>	<i>1.25</i>			
May	<i>1.28</i>	<i>1.61</i>	<i>2.33</i>	<i>1.66</i>	<i>.58</i>	<i>2.75</i>	<i>2.84</i>	<i>1.42</i>	<i>.42</i>			
June	<i>1.18</i>	<i>1.29</i>	<i>3.86</i>	<i>2.34</i>	<i>1.40</i>	<i>1.68</i>	<i>1.36</i>	<i>.26</i>	<i>2.03</i>			
July	<i>4.87</i>	<i>3.60</i>	<i>3.98</i>	<i>4.15</i>	<i>2.85</i>	<i>1.67</i>	<i>4.26</i>	<i>.77</i>	<i>5.22</i>			
August	<i>1.32</i>	<i>4.59</i>	<i>4.37</i>	<i>2.46</i>	<i>.76</i>	<i>3.71</i>	<i>1.97</i>	<i>2.43</i>	<i>2.01</i>			
September	<i>4.39</i>	<i>4.73</i>	<i>1.60</i>	<i>3.30</i>	<i>1.09</i>	<i>2.58</i>	<i>1.90</i>	<i>5.27</i>	<i>1.43</i>			
October	<i>4.01</i>	<i>3.02</i>	<i>2.70</i>	<i>1.46</i>	<i>1.62</i>	<i>4.36</i>	<i>3.44</i>	<i>3.27</i>	<i>.93</i>			
November	<i>2.16</i>	<i>1.24</i>	<i>2.62</i>	<i>1.04</i>	<i>1.54</i>	<i>1.83</i>	<i>2.88</i>	<i>2.78</i>	<i>2.55</i>			
December	<i>3.55</i>	<i>1.81</i>	<i>3.16</i>	<i>2.24</i>	<i>1.69</i>	<i>.75</i>	<i>2.83</i>	<i>2.93</i>	<i>1.36</i>			
TOTALS	<i>28.08</i>	<i>30.34</i>	<i>29.52</i>	<i>24.85</i>	<i>20.08</i>	<i>25.96</i>	<i>29.84</i>	<i>23.59</i>	<i>23.89</i>			

1880. Christ Church ½ mile S.E.

House 28ft high 52ft N.

RAINFALL AT *N. Shields, Billy Mill* 80

Lat.

Lon. County of *Northumberland*

Rain Gauge, by

Observer *T. M. Farrell, Esq., C.E.*

Lyne - lower 3

Diameter	<i>5"</i>										
Height	<i>10</i>			<i>6</i>							
Altitude	<i>197 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.51</i>			<i>1.17</i>	<i>2.14</i>	<i>1.28</i>					
February	<i>1.46</i>			<i>1.05</i>	<i>1.00</i>	<i>.60</i>					
March	<i>1.70</i>			<i>.90</i>	<i>1.54</i>	<i>1.27</i>					
April	<i>1.92</i>			<i>1.23</i>	<i>1.90</i>	<i>1.55</i>					
May	<i>1.30</i>			<i>1.39</i>	<i>.92</i>	<i>2.09</i>					
June	<i>.81</i>			<i>2.34</i>	<i>.88</i>	<i>1.64</i>					
July	<i>5.38</i>			<i>3.00</i>	<i>2.94</i>	<i>1.55</i>					
August	<i>1.38</i>			<i>3.66</i>	<i>.42</i>	<i>2.95</i>					
September	<i>4.30</i>			<i>2.23</i>	<i>1.03</i>	<i>1.95</i>					
October	<i>4.10</i>			<i>1.33</i>	<i>.94</i>	<i>4.35</i>					
November	<i>2.79</i>			<i>.95</i>	<i>1.20</i>	<i>1.70</i>					
December	<i>3.47</i>			<i>1.30</i>	<i>1.30</i>	<i>.40</i>					
TOTALS	<i>29.12</i>			<i>20.55</i>	<i>10.21</i>	<i>21.33</i>					

1881 Record imperfect

N.B. annual values rejected from Survey Map, 1929.

RAINFALL AT *Whittle Dean*

80

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *D. D. Main Esq*

J. Maugham, Esq

Gyre lower 3.

Diameter	<i>10</i>										
Height											
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.45</i>	<i>.28</i>	<i>.92</i>	<i>2.49</i>	<i>3.75</i>	<i>1.47</i>	<i>4.42</i>	<i>.77</i>	<i>1.04</i>	<i>.74</i>	<i>1.633</i>
February	<i>1.52</i>	<i>2.47</i>	<i>1.94</i>	<i>1.43</i>	<i>1.45</i>	<i>.76</i>	<i>1.17</i>	<i>.53</i>	<i>.49</i>	<i>.67</i>	<i>1.243</i>
March	<i>1.27</i>	<i>2.18</i>	<i>.87</i>	<i>.97</i>	<i>1.82</i>	<i>1.83</i>	<i>1.48</i>	<i>1.12</i>	<i>1.61</i>	<i>2.01</i>	<i>1.516</i>
April	<i>2.13</i>	<i>1.00</i>	<i>2.26</i>	<i>1.33</i>	<i>1.87</i>	<i>1.44</i>	<i>1.38</i>	<i>.96</i>	<i>2.90</i>	<i>4.11</i>	<i>1.938</i>
May	<i>1.12</i>	<i>1.65</i>	<i>1.63</i>	<i>2.40</i>	<i>1.69</i>	<i>3.28</i>	<i>3.82</i>	<i>1.48</i>	<i>.37</i>	<i>1.05</i>	<i>1.849</i>
June	<i>2.62</i>	<i>2.19</i>	<i>3.77</i>	<i>1.56</i>	<i>.53</i>	<i>1.37</i>	<i>.56</i>	<i>.32</i>	<i>1.85</i>	<i>.38</i>	<i>1.515</i>
July	<i>4.99</i>	<i>3.18</i>	<i>2.91</i>	<i>3.58</i>	<i>4.10</i>	<i>1.39</i>	<i>3.03</i>	<i>1.23</i>	<i>5.24</i>	<i>3.03</i>	<i>3.268</i>
August	<i>1.27</i>	<i>4.97</i>	<i>3.10</i>	<i>2.33</i>	<i>.92</i>	<i>3.09</i>	<i>2.78</i>	<i>1.61</i>	<i>1.99</i>	<i>3.22</i>	<i>2.528</i>
September	<i>4.51</i>	<i>4.44</i>	<i>1.35</i>	<i>4.22</i>	<i>2.52</i>	<i>2.54</i>	<i>1.98</i>	<i>4.33</i>	<i>1.63</i>	<i>.71</i>	<i>2.823</i>
October	<i>3.20</i>	<i>3.78</i>	<i>2.68</i>	<i>1.95</i>	<i>1.34</i>	<i>2.98</i>	<i>4.25</i>	<i>2.45</i>	<i>.58</i>	<i>4.54</i>	<i>2.775</i>
November	<i>2.83</i>	<i>1.80</i>	<i>4.22</i>	<i>1.64</i>	<i>1.21</i>	<i>1.56</i>	<i>4.29</i>	<i>3.03</i>	<i>4.15</i>	<i>1.06</i>	<i>2.579</i>
December	<i>3.30</i>	<i>2.18</i>	<i>3.16</i>	<i>1.63</i>	<i>1.95</i>	<i>1.28</i>	<i>3.16</i>	<i>1.84</i>	<i>1.08</i>	<i>1.35</i>	<i>2.093</i>
TOTALS	<i>29.21</i>	<i>30.12</i>	<i>28.81</i>	<i>25.53</i>	<i>23.15</i>	<i>22.99</i>	<i>32.32</i>	<i>19.67</i>	<i>22.93</i>	<i>22.87</i>	<i>25.760</i>

N. Lyne H

Diameter	<i>8</i>										
Height	<i>1 6</i>										
Altitude	<i>286 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.57</i>	<i>.88</i>	<i>1.56</i>								
February	<i>1.68</i>	<i>3.28</i>	<i>1.59</i>								
March	<i>1.52</i>	<i>2.52</i>	<i>2.13</i>								
April	<i>1.93</i>	<i>1.66</i>	<i>2.19</i>								
May	<i>1.49</i>	<i>1.51</i>	<i>.76</i>								
June	<i>1.65</i>	<i>2.33</i>	<i>3.60</i>								
July	<i>5.02</i>	<i>3.50</i>	<i>3.00</i>								
August	<i>.55</i>	<i>4.71</i>	<i>2.44</i>								
September	<i>4.18</i>	<i>3.91</i>	<i>1.89</i>								
October	<i>3.47</i>	<i>3.88</i>	<i>3.20</i>								
November	<i>3.46</i>	<i>2.33</i>	<i>3.52</i>								
December	<i>3.28</i>	<i>2.61</i>	<i>4.00</i>								
TOTALS	<i>28.74</i>	<i>33.12</i>	<i>29.88</i>								

1880. Humshaugh Church, about 200 yards S.S.W.
1882 Raspberry & Currant bushes 5ft high 15ft all around

RAINFALL AT *Bingfield House* 80

Lat. _____ Lon. _____ County of *Northumberland*

Rain Gauge, by _____ Observer *Shoppin Esq.*

<i>N. Lync. H</i>											
Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude	<i>445 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.71</i>	<i>1.95</i>	<i>1.10</i>	<i>3.00</i>	<i>4.40</i>	<i>1.97</i>	<i>2.49</i>	<i>1.16</i>	<i>1.39</i>	<i>.75</i>	<i>1.892</i>
February	<i>1.74</i>	<i>3.05</i>	<i>.20</i>	<i>1.10</i>	<i>1.50</i>	<i>.70</i>	<i>1.86</i>	<i>.92</i>	<i>1.10</i>	<i>1.17</i>	<i>1.334</i>
March	<i>.96</i>	<i>3.30</i>	<i>3.00</i>	<i>1.58</i>	<i>2.10</i>	<i>1.67</i>	<i>3.58</i>	<i>2.46</i>	<i>3.58</i>	<i>2.19</i>	<i>2.442</i>
April	<i>2.89</i>	<i>1.70</i>	<i>2.70</i>	<i>1.50</i>	<i>1.50</i>	<i>1.71</i>	<i>1.57</i>	<i>.55</i>	<i>2.00</i>	<i>4.26</i>	<i>2.038</i>
May	<i>1.89</i>	<i>2.10</i>	<i>1.10</i>	<i>1.60</i>	<i>1.60</i>	<i>2.91</i>	<i>3.22</i>	<i>2.29</i>	<i>.45</i>	<i>1.39</i>	<i>1.855</i>
June	<i>1.59</i>	<i>1.60</i>	<i>3.80</i>	<i>1.60</i>	<i>.20</i>	<i>1.08</i>	<i>1.27</i>	<i>.25</i>	<i>2.27</i>	<i>.25</i>	<i>1.391</i>
July	<i>6.26</i>	<i>4.20</i>	<i>3.10</i>	<i>4.50</i>	<i>4.20</i>	<i>1.05</i>	<i>3.27</i>	<i>1.33</i>	<i>4.19</i>	<i>3.83</i>	<i>3.593</i>
August	<i>.71</i>	<i>5.70</i>	<i>2.90</i>	<i>2.60</i>	<i>.90</i>	<i>3.11</i>	<i>2.49</i>	<i>2.46</i>	<i>2.10</i>	<i>2.97</i>	<i>2.594</i>
September	<i>4.17</i>	<i>5.10</i>	<i>2.20</i>	<i>5.20</i>	<i>2.00</i>	<i>2.35</i>	<i>2.46</i>	<i>4.59</i>	<i>1.27</i>	<i>1.06</i>	<i>3.040</i>
October	<i>4.68</i>	<i>4.50</i>	<i>3.80</i>	<i>2.40</i>	<i>1.70</i>	<i>3.20</i>	<i>5.23</i>	<i>2.00</i>	<i>.84</i>	<i>4.95</i>	<i>3.330</i>
November	<i>3.27</i>	<i>1.70</i>	<i>3.60</i>	<i>1.80</i>	<i>1.30</i>	<i>2.11</i>	<i>4.09</i>	<i>3.45</i>	<i>3.89</i>	<i>.89</i>	<i>2.610</i>
December	<i>2.68</i>	<i>3.10</i>	<i>6.20</i>	<i>2.60</i>	<i>2.64</i>	<i>1.37</i>	<i>4.60</i>	<i>2.65</i>	<i>.69</i>	<i>.92</i>	<i>2.745</i>
TOTALS	<i>31.55</i>	<i>38.00</i>	<i>33.70</i>	<i>29.48</i>	<i>24.04</i>	<i>23.23</i>	<i>36.13</i>	<i>24.11</i>	<i>23.77</i>	<i>24.63</i>	<i>28.864</i>

1881. Bingfield 3/4 mile SW.
Yew trees 9 ft- high 12 ft. SE.

RAINFALL AT *Swinburn Woodford* 80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

D. D. Main, Esq.

J. Mangham, Esq.

N. Type H

Diameter	<i>10</i>										
Height	<i>6</i>										
Altitude	<i>500</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.58</i>	<i>.48</i>	<i>1.28</i>	<i>3.23</i>	<i>5.03</i>	<i>1.58</i>	<i>5.83</i>	<i>1.33</i>	<i>1.35</i>	<i>1.06</i>	<i>2.175</i>
February	<i>1.17</i>	<i>4.43</i>	<i>1.96</i>	<i>1.18</i>	<i>1.33</i>	<i>.99</i>	<i>2.09</i>	<i>.79</i>	<i>1.73</i>	<i>1.39</i>	<i>1.706</i>
March	<i>2.08</i>	<i>4.40</i>	<i>.98</i>	<i>1.72</i>	<i>1.47</i>	<i>1.78</i>	<i>2.38</i>	<i>2.03</i>	<i>4.93</i>	<i>2.83</i>	<i>2.460</i>
April	<i>2.22</i>	<i>1.65</i>	<i>1.95</i>	<i>1.07</i>	<i>1.63</i>	<i>2.18</i>	<i>2.02</i>	<i>1.52</i>	<i>1.93</i>	<i>4.24</i>	<i>2.041</i>
May	<i>1.22</i>	<i>2.93</i>	<i>.23</i>	<i>1.74</i>	<i>2.02</i>	<i>3.10</i>	<i>3.81</i>	<i>1.78</i>	<i>.77</i>	<i>1.28</i>	<i>1.888</i>
June	<i>1.54</i>	<i>1.44</i>	<i>2.72</i>	<i>2.00</i>	<i>.33</i>	<i>.99</i>	<i>2.40</i>	<i>.31</i>	<i>2.28</i>	<i>.44</i>	<i>1.445</i>
July	<i>3.75</i>	<i>3.54</i>	<i>4.16</i>	<i>4.49</i>	<i>3.80</i>	<i>1.21</i>	<i>3.51</i>	<i>1.83</i>	<i>4.42</i>	<i>3.84</i>	<i>3.455</i>
August	<i>2.06</i>	<i>6.02</i>	<i>3.29</i>	<i>2.65</i>	<i>1.22</i>	<i>3.29</i>	<i>2.24</i>	<i>2.80</i>	<i>2.31</i>	<i>3.44</i>	<i>2.932</i>
September	<i>4.81</i>	<i>4.25</i>	<i>1.72</i>	<i>3.60</i>	<i>2.05</i>	<i>1.94</i>	<i>3.14</i>	<i>4.56</i>	<i>1.15</i>	<i>1.16</i>	<i>2.838</i>
October	<i>2.67</i>	<i>3.96</i>	<i>3.66</i>	<i>3.02</i>	<i>1.48</i>	<i>3.09</i>	<i>5.63</i>	<i>1.82</i>	<i>1.26</i>	<i>4.77</i>	<i>3.136</i>
November	<i>3.74</i>	<i>1.55</i>	<i>3.96</i>	<i>1.34</i>	<i>1.74</i>	<i>3.15</i>	<i>4.39</i>	<i>4.03</i>	<i>7.11</i>	<i>.90</i>	<i>3.191</i>
December	<i>3.53</i>	<i>4.00</i>	<i>4.29</i>	<i>2.33</i>	<i>2.97</i>	<i>1.69</i>	<i>4.27</i>	<i>3.00</i>	<i>1.11</i>	<i>1.20</i>	<i>2.839</i>
TOTALS	<i>29.37</i>	<i>38.65</i>	<i>30.20</i>	<i>28.37</i>	<i>25.07</i>	<i>24.99</i>	<i>41.71</i>	<i>25.80</i>	<i>30.35</i>	<i>26.55</i>	<i>30.106</i>

RAINFALL AT *Gunnorton Burn, Campfield*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

D. D. Main Esq

J. Mangham Esq

N. Type 4.

Diameter	<i>10</i>										
Height	<i>6</i>										
Altitude	<i>676 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.35</i>	<i>.39</i>	<i>1.42</i>	<i>3.50</i>	<i>4.44</i>	<i>1.40</i>	<i>4.43</i>	<i>1.06</i>	<i>1.06</i>	<i>.97</i>	<i>1.902</i>
February	<i>1.03</i>	<i>3.63</i>	<i>1.87</i>	<i>.98</i>	<i>1.39</i>	<i>.93</i>	<i>1.97</i>	<i>.77</i>	<i>1.26</i>	<i>1.47</i>	<i>1.530</i>
March	<i>2.26</i>	<i>4.10</i>	<i>1.15</i>	<i>1.15</i>	<i>1.59</i>	<i>1.51</i>	<i>3.51</i>	<i>1.75</i>	<i>5.66</i>	<i>2.50</i>	<i>2.518</i>
April	<i>2.26</i>	<i>1.56</i>	<i>2.10</i>	<i>1.09</i>	<i>1.62</i>	<i>1.94</i>	<i>1.58</i>	<i>1.02</i>	<i>2.03</i>	<i>3.70</i>	<i>1.890</i>
May	<i>1.14</i>	<i>2.67</i>	<i>.47</i>	<i>1.70</i>	<i>2.19</i>	<i>2.68</i>	<i>2.87</i>	<i>1.70</i>	<i>.63</i>	<i>1.67</i>	<i>1.772</i>
June	<i>1.38</i>	<i>1.39</i>	<i>2.89</i>	<i>2.17</i>	<i>.31</i>	<i>.80</i>	<i>2.27</i>	<i>.28</i>	<i>2.36</i>	<i>.44</i>	<i>1.429</i>
July	<i>4.23</i>	<i>4.16</i>	<i>4.60</i>	<i>4.77</i>	<i>4.11</i>	<i>1.25</i>	<i>3.67</i>	<i>2.21</i>	<i>4.31</i>	<i>3.32</i>	<i>3.663</i>
August	<i>2.21</i>	<i>5.86</i>	<i>3.52</i>	<i>2.53</i>	<i>1.19</i>	<i>3.03</i>	<i>2.30</i>	<i>2.04</i>	<i>2.25</i>	<i>3.60</i>	<i>2.853</i>
September	<i>4.77</i>	<i>3.73</i>	<i>1.57</i>	<i>4.33</i>	<i>1.83</i>	<i>1.94</i>	<i>3.10</i>	<i>4.86</i>	<i>1.13</i>	<i>1.07</i>	<i>2.833</i>
October	<i>2.78</i>	<i>4.18</i>	<i>3.44</i>	<i>2.97</i>	<i>1.49</i>	<i>2.70</i>	<i>5.10</i>	<i>1.54</i>	<i>1.39</i>	<i>4.80</i>	<i>3.039</i>
November	<i>3.02</i>	<i>1.60</i>	<i>4.16</i>	<i>1.37</i>	<i>1.64</i>	<i>2.45</i>	<i>3.65</i>	<i>3.12</i>	<i>5.50</i>	<i>.80</i>	<i>2.731</i>
December	<i>3.25</i>	<i>3.95</i>	<i>4.28</i>	<i>2.42</i>	<i>2.99</i>	<i>1.48</i>	<i>3.43</i>	<i>2.50</i>	<i>.97</i>	<i>1.12</i>	<i>2.639</i>
TOTALS	<i>28.68</i>	<i>37.22</i>	<i>31.47</i>	<i>28.98</i>	<i>24.79</i>	<i>22.11</i>	<i>37.88</i>	<i>22.85</i>	<i>28.55</i>	<i>25.46</i>	<i>28.799</i>

RAINFALL AT *North Tyne, Green Craig* **80**

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observed

D. D. Main, Esq.

J. Maughan, Esq.

N. Tyne H

Diameter	<i>10</i>										
Height	<i>6</i>										
Altitude	<i>800 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.62</i>	<i>.46</i>	<i>1.80</i>	<i>3.25</i>	<i>5.33</i>	<i>1.60</i>	<i>3.33</i>	<i>1.21</i>	<i>.98</i>	<i>.97</i>	<i>1.955</i>
February	<i>.94</i>	<i>4.14</i>	<i>1.93</i>	<i>1.51</i>	<i>1.52</i>	<i>1.19</i>	<i>2.54</i>	<i>.80</i>	<i>1.22</i>	<i>1.81</i>	<i>1.760</i>
March	<i>2.45</i>	<i>4.47</i>	<i>1.48</i>	<i>.96</i>	<i>1.44</i>	<i>1.58</i>	<i>2.54</i>	<i>2.27</i>	<i>4.52</i>	<i>2.68</i>	<i>2.439</i>
April	<i>2.32</i>	<i>1.47</i>	<i>2.04</i>	<i>1.00</i>	<i>1.68</i>	<i>2.18</i>	<i>1.65</i>	<i>1.20</i>	<i>1.92</i>	<i>3.35</i>	<i>1.881</i>
May	<i>1.33</i>	<i>3.26</i>	<i>.62</i>	<i>1.70</i>	<i>2.00</i>	<i>2.97</i>	<i>3.27</i>	<i>1.92</i>	<i>.78</i>	<i>2.04</i>	<i>1.989</i>
June	<i>1.18</i>	<i>1.49</i>	<i>3.32</i>	<i>2.19</i>	<i>.39</i>	<i>.88</i>	<i>2.43</i>	<i>.37</i>	<i>2.47</i>	<i>.46</i>	<i>1.518</i>
July	<i>4.35</i>	<i>4.41</i>	<i>4.75</i>	<i>4.98</i>	<i>3.85</i>	<i>1.30</i>	<i>4.03</i>	<i>2.29</i>	<i>4.49</i>	<i>2.39</i>	<i>3.684</i>
August	<i>2.71</i>	<i>6.15</i>	<i>3.90</i>	<i>3.05</i>	<i>1.46</i>	<i>3.00</i>	<i>2.63</i>	<i>2.24</i>	<i>2.31</i>	<i>3.64</i>	<i>3.109</i>
September	<i>4.97</i>	<i>3.78</i>	<i>1.74</i>	<i>4.00</i>	<i>1.74</i>	<i>2.07</i>	<i>3.43</i>	<i>5.27</i>	<i>1.08</i>	<i>1.24</i>	<i>2.932</i>
October	<i>3.00</i>	<i>4.26</i>	<i>4.11</i>	<i>3.11</i>	<i>1.46</i>	<i>2.56</i>	<i>4.62</i>	<i>1.55</i>	<i>1.38</i>	<i>4.82</i>	<i>3.087</i>
November	<i>3.04</i>	<i>1.88</i>	<i>3.98</i>	<i>1.43</i>	<i>1.76</i>	<i>2.30</i>	<i>3.43</i>	<i>3.23</i>	<i>4.83</i>	<i>1.04</i>	<i>2.692</i>
December	<i>3.15</i>	<i>4.53</i>	<i>4.03</i>	<i>2.69</i>	<i>3.05</i>	<i>1.77</i>	<i>3.59</i>	<i>2.70</i>	<i>.97</i>	<i>1.30</i>	<i>2.778</i>
TOTALS	<i>30.06</i>	<i>40.30</i>	<i>33.70</i>	<i>29.87</i>	<i>25.68</i>	<i>23.40</i>	<i>37.49</i>	<i>25.05</i>	<i>26.95</i>	<i>25.74</i>	<i>29.824</i>

RAINFALL AT *Hallington*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

*D. D. Main, Esq.
J. Mangham, Esq.**N. Type. 4*

Diameter	<i>10</i>											
Height	<i>6</i>											
Altitude	<i>469 ft</i>											
Year	1880	1881	1882	1883	1884	1885	1886	*1887	1888	1889	MEANS.	
January	<i>.59</i>	<i>.64</i>	<i>1.45</i>	<i>3.14</i>	<i>5.18</i>	<i>1.74</i>	<i>5.35</i>	<i>1.34</i>	<i>1.01</i>	<i>.91</i>	<i>2.135</i>	
February	<i>1.08</i>	<i>4.05</i>	<i>2.68</i>	<i>1.55</i>	<i>1.77</i>	<i>.92</i>	<i>2.18</i>	<i>.61</i>	<i>2.16</i>	<i>1.01</i>	<i>1.801</i>	
March	<i>2.08</i>	<i>4.70</i>	<i>1.15</i>	<i>1.89</i>	<i>1.86</i>	<i>1.98</i>	<i>2.37</i>	<i>2.00</i>	<i>4.57</i>	<i>2.59</i>	<i>2.519</i>	
April	<i>2.20</i>	<i>1.71</i>	<i>2.47</i>	<i>1.20</i>	<i>1.72</i>	<i>2.15</i>	<i>1.70</i>	<i>1.07</i>	<i>1.83</i>	<i>4.03</i>	<i>2.008</i>	
May	<i>1.48</i>	<i>2.66</i>	<i>.62</i>	<i>1.92</i>	<i>2.00</i>	<i>3.26</i>	<i>3.48</i>	<i>1.98</i>	<i>.56</i>	<i>1.97</i>	<i>1.993</i>	
June	<i>1.35</i>	<i>1.50</i>	<i>3.23</i>	<i>1.63</i>	<i>.27</i>	<i>1.05</i>	<i>2.41</i>	<i>.27</i>	<i>2.11</i>	<i>.35</i>	<i>1.417</i>	
July	<i>4.01</i>	<i>5.93</i>	<i>3.04</i>	<i>4.46</i>	<i>4.11</i>	<i>1.21</i>	<i>3.03</i>	<i>1.64</i>	<i>4.31</i>	<i>3.85</i>	<i>3.559</i>	
August	<i>1.78</i>	<i>6.97</i>	<i>3.71</i>	<i>2.38</i>	<i>1.03</i>	<i>3.18</i>	<i>2.26</i>	<i>2.23</i>	<i>2.00</i>	<i>2.82</i>	<i>2.836</i>	
September	<i>5.03</i>	<i>4.25</i>	<i>1.74</i>	<i>3.84</i>	<i>1.80</i>	<i>2.17</i>	<i>2.49</i>	<i>4.76</i>	<i>1.27</i>	<i>1.08</i>	<i>2.843</i>	
October	<i>3.43</i>	<i>3.66</i>	<i>3.55</i>	<i>2.58</i>	<i>1.49</i>	<i>3.02</i>	<i>5.13</i>	<i>1.95</i>	<i>1.03</i>	<i>5.55</i>	<i>3.139</i>	
November	<i>4.49</i>	<i>1.65</i>	<i>4.09</i>	<i>1.36</i>	<i>1.51</i>	<i>3.09</i>	<i>4.05</i>	<i>3.96</i>	<i>5.91</i>	<i>.95</i>	<i>3.106</i>	
December	<i>4.37</i>	<i>4.05</i>	<i>4.77</i>	<i>2.42</i>	<i>2.85</i>	<i>1.40</i>	<i>3.82</i>	<i>2.56</i>	<i>.99</i>	<i>1.13</i>	<i>2.836</i>	
TOTALS	<i>31.89</i>	<i>41.77</i>	<i>32.50</i>	<i>28.37</i>	<i>25.59</i>	<i>25.17</i>	<i>38.27</i>	<i>24.37</i>	<i>27.75</i>	<i>26.24</i>	<i>30.192</i>	

RAINFALL AT *North Tyne, Valley* 80

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *D.D. Main, Esq.*
J. Mangham, Esq.

N. Tyne H.

Diameter	<i>10</i>										
Height	<i>6</i>										
Altitude	<i>300</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.90</i>	<i>.30</i>	<i>1.77</i>	<i>3.54</i>	<i>5.35</i>	<i>1.74</i>	<i>5.61</i>	<i>1.07</i>	<i>1.10</i>	<i>.60</i>	<i>2.198</i>
February	<i>1.04</i>	<i>3.02</i>	<i>1.99</i>	<i>1.00</i>	<i>1.49</i>	<i>.92</i>	<i>1.29</i>	<i>.59</i>	<i>1.22</i>	<i>1.21</i>	<i>1.377</i>
March	<i>2.48</i>	<i>3.82</i>	<i>1.42</i>	<i>1.04</i>	<i>1.44</i>	<i>1.31</i>	<i>2.28</i>	<i>1.41</i>	<i>3.39</i>	<i>2.02</i>	<i>2.061</i>
April	<i>2.12</i>	<i>1.65</i>	<i>2.06</i>	<i>1.06</i>	<i>1.31</i>	<i>1.73</i>	<i>2.37</i>	<i>1.20</i>	<i>1.60</i>	<i>3.33</i>	<i>1.843</i>
May	<i>1.15</i>	<i>2.46</i>	<i>.49</i>	<i>1.49</i>	<i>2.27</i>	<i>2.70</i>	<i>3.29</i>	<i>1.28</i>	<i>.71</i>	<i>1.68</i>	<i>1.752</i>
June	<i>1.73</i>	<i>1.63</i>	<i>2.73</i>	<i>1.50</i>	<i>.57</i>	<i>.89</i>	<i>2.63</i>	<i>.29</i>	<i>2.23</i>	<i>.80</i>	<i>1.500</i>
July	<i>3.85</i>	<i>3.91</i>	<i>4.03</i>	<i>4.73</i>	<i>4.14</i>	<i>1.02</i>	<i>3.99</i>	<i>1.04</i>	<i>4.53</i>	<i>3.31</i>	<i>3.455</i>
August	<i>1.98</i>	<i>5.86</i>	<i>3.45</i>	<i>2.62</i>	<i>1.02</i>	<i>3.56</i>	<i>2.33</i>	<i>2.64</i>	<i>2.15</i>	<i>3.12</i>	<i>2.873</i>
September....	<i>4.18</i>	<i>3.29</i>	<i>1.40</i>	<i>3.56</i>	<i>1.75</i>	<i>2.03</i>	<i>2.58</i>	<i>4.62</i>	<i>.92</i>	<i>1.07</i>	<i>2.540</i>
October	<i>3.08</i>	<i>3.62</i>	<i>3.12</i>	<i>3.46</i>	<i>1.72</i>	<i>2.56</i>	<i>5.19</i>	<i>1.62</i>	<i>1.14</i>	<i>4.25</i>	<i>2.976</i>
November....	<i>3.12</i>	<i>1.26</i>	<i>4.21</i>	<i>1.87</i>	<i>1.82</i>	<i>2.47</i>	<i>3.73</i>	<i>3.20</i>	<i>5.30</i>	<i>1.04</i>	<i>2.802</i>
December	<i>4.01</i>	<i>3.89</i>	<i>4.70</i>	<i>2.65</i>	<i>3.77</i>	<i>1.40</i>	<i>3.50</i>	<i>2.43</i>	<i>.75</i>	<i>1.19</i>	<i>2.829</i>
TOTALS	<i>29.64</i>	<i>34.71</i>	<i>31.37</i>	<i>28.52</i>	<i>26.65</i>	<i>22.33</i>	<i>38.79</i>	<i>21.39</i>	<i>25.04</i>	<i>23.62</i>	<i>28.206</i>

80

RAINFALL AT *Bellingham, Hesley side*
 Lat. Lon. County of *Worcestershire and*
 Rain Gauge, by Observer *H. O. Charlton, Esq.*

N. Type H.

Diameter	<i>5</i>											
Height	<i>0.8</i>											
Altitude	<i>373 ft</i>											
Year	<i>1880</i>	<i>1881</i>	<i>1882</i>	<i>1883</i>	<i>1884</i>	<i>1885</i>	<i>1886</i>	<i>1887</i>	<i>1888</i>	<i>1889</i>	MEANS.	
January ...	<i>1.09</i>	<i>1.15</i>										
February ...	<i>2.16</i>	<i>3.07</i>										
March	<i>1.93</i>	<i>3.60</i>										
April	<i>2.78</i>	<i>1.09</i>										
May	<i>1.50</i>	<i>3.03</i>										
June	<i>2.43</i>	<i>2.51</i>										
July	<i>6.29</i>	<i>4.00</i>										
August	<i>1.59</i>	<i>6.02</i>										
September ...	<i>4.11</i>	<i>3.25</i>										
October	<i>4.33</i>	<i>4.29</i>										
November ...	<i>5.25</i>	<i>4.53</i>										
December	<i>3.57</i>	<i>5.22</i>										
TOTALS	<i>37.03</i>	<i>41.76</i>	<i>N.R.</i>									

1880. Bellingham Church, 2 miles S.E.
Vineries 16 ft high 84 ft N

RAINFALL AT *Rochester, Brynness* 80

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *Rev D B Nicholson*

N. Tyne H

Diameter	<i>5</i>										
Height	<i>10 0.9</i>										
Altitude	<i>700</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.80 1.79</i>										
February	<i>3.93 2.95</i>										
March	<i>2.32 3.69</i>										
April	<i>2.19 1.15</i>										
May	<i>1.33 2.29</i>										
June	<i>2.91 2.81</i>										
July	<i>4.93 4.03</i>										
August	<i>1.73 6.10</i>										
September	<i>4.28 4.04</i>										
October	<i>6.26 4.64</i>										
November	<i>6.62 6.25</i>										
December	<i>4.82 4.58</i>										
TOTALS	<i>42.12 44.32</i>										

1880. Brynness

*200 yards
House 35ft High 70ft N.*

S.

80

RAINFALL AT Redewater Blakehope

Lat..... Lon..... County of Northumberland

Rain Gauge, by..... Observer G Smith Esq

N. Lyne H.

Diameter . . .										8	
Height										1 1	
Altitude										830	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January										1.57	
February										1.34	
March										2.29	
April										3.72	
May										1.63	
June . . . . .										.32	
July										4.02	
August										3.10	
September										1.93	
October										5.29	
November . . . .										.90	
December										2.11	
TOTALS										28.22	

N.B. Annual values rejected from Survey Map, 1929.

80

RAINFALL AT Redewater Catclough 80

County of Northumberland

Observer.

G. Smith Esq

N. Lyne 4.

[illegible]

Coquet. 5.

Diameter	5											
Height	1. 0											
Altitude	480 T											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.41	1.58	.94	2.34	3.40							
February	2.07	2.30	.78	1.33	1.61							
March	1.17	3.93	2.01	1.26	1.93							
April	2.33	1.33	2.69	1.45	2.00							
May	1.85	1.17	1.94	2.04	1.74							
June	2.38	4.13	4.14	2.01	.55							
July	5.18	3.88	3.05	3.82	2.93							
August	1.53	5.08	2.76	2.46	.83							
September	4.64	3.93	1.87	5.31	2.27							
October	3.82	3.56	3.67	2.01	1.66							
November	2.86	1.49	3.23	1.83	1.18							
December	3.25	2.87	4.50	1.67	3.19							
TOTALS	31.49	35.25	31.58	27.53	23.29							

RAINFALL AT *Cramlington*

80

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *The Meteor. Society*

Boquett 5

Diameter						5					
Height			<i>1.1</i>								
Altitude			<i>256</i>								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....			<i>.84</i>	<i>1.90</i>	<i>3.28</i>	<i>1.40</i>	<i>2.94</i>	<i>1.53</i>	<i>1.70</i>	<i>1.17</i>	
February			<i>.71</i>	<i>1.42</i>	<i>.95</i>	<i>.97</i>	<i>1.52</i>	<i>.46</i>	<i>.99</i>	<i>1.47</i>	
March			<i>1.02</i>	<i>1.50</i>	<i>2.10</i>	<i>2.39</i>	<i>3.22</i>	<i>1.64</i>	<i>5.12</i>	<i>2.59</i>	
April			<i>2.37</i>	<i>1.29</i>	<i>1.82</i>	<i>1.84</i>	<i>1.61</i>	<i>1.05</i>	<i>1.86</i>	<i>2.88</i>	
May			<i>2.32</i>	<i>1.60</i>	<i>.89</i>	<i>3.10</i>	<i>2.49</i>	<i>1.68</i>	<i>.49</i>	<i>1.43</i>	
June			<i>4.82</i>	<i>2.67</i>	<i>1.37</i>	<i>1.34</i>	<i>1.26</i>	<i>.36</i>	<i>2.45</i>	<i>.31</i>	
July			<i>3.79</i>	<i>4.22</i>	<i>4.01</i>	<i>1.09</i>	<i>3.60</i>	<i>1.75</i>	<i>4.71</i>	<i>3.21</i>	
August			<i>3.70</i>	<i>3.02</i>	<i>.82</i>	<i>2.11</i>	<i>2.04</i>	<i>2.08</i>	<i>2.28</i>	<i>3.93</i>	
September....			<i>2.10</i>	<i>3.99</i>	<i>2.13</i>	<i>2.29</i>	<i>1.75</i>	<i>5.34</i>	<i>1.30</i>	<i>1.46</i>	
October			<i>3.09</i>	<i>1.75</i>	<i>1.40</i>	<i>3.94</i>	<i>4.45</i>	<i>2.12</i>	<i>1.03</i>	<i>4.97</i>	
November....			<i>3.24</i>	<i>1.59</i>	<i>1.94</i>	<i>1.89</i>	<i>3.44</i>	<i>3.03</i>	<i>4.19</i>	<i>.98</i>	
December			<i>3.24</i>	<i>2.34</i>	<i>2.05</i>	<i>1.10</i>	<i>3.08</i>	<i>3.24</i>	<i>1.05</i>	<i>1.57</i>	
TOTALS			<i>31.24</i>	<i>27.29</i>	<i>22.76</i>	<i>23.46</i>	<i>31.40</i>	<i>24.28</i>	<i>27.17</i>	<i>25.97</i>	

RAINFALL AT *Tynemouth West House Mountsealer*

80

Lat.

Lon. County of *Northumberland*

Rain Gauge, by

Observer *J. Green, Esq.*

Boquet 5

Diameter	5										
Height	4. 0										
Altitude	136		132 7								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January			1.31		2.70	1.37	2.13	1.01	1.51	1.08	
February	1.56		.64	1.53	1.02	1.14	1.24	.36	.96	.46	
March .....	.89		.87		2.02	1.88	1.53	1.32	1.67	2.68	
April	2.40		2.85	1.27	2.35	1.10	1.61	1.21	2.27	2.30	
May	1.73	2.42	2.31	1.93	.73	3.02	2.95	1.70	.41	1.22	
June	1.01	1.37	4.20	2.26	1.21	1.62	1.28	.32	1.93	.44	
July	4.52	2.89	3.87	4.24	3.20	1.75	3.69	.81		3.05	
August	1.49	5.21	3.50		.83	3.61		2.21		5.16	
September ...	4.54	3.77	2.11	3.10	1.09	3.30	1.76	5.02		1.14	
October	3.86	2.69	3.17	1.33	1.42	4.07	3.34	2.67		3.75	
November	2.51	.78	2.97	.89	1.45	1.86	3.31	1.62	2.36	1.05	
December	3.33	2.12	3.52	2.15	1.87	.81	3.00	1.73	1.05	1.33	
TOTALS			31.32		19.89	25.53		19.98		23.66	

St Paul's Whitley 3/4 mile E

Wall 8ft high 18ft N

" 20ft " 54ft S.W.

1881 Observations for first four months mislaid

RAINFALL AT *W. Shields, Whitley, Conn.* **80**

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *W. Prope, Esq.*

Locquet 5

Diameter	<i>5</i>										
Height	<i>6</i>										
Altitude	<i>38</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>38</i>	<i>1.14</i>	<i>.70</i>								
February	<i>1.49</i>	<i>2.69</i>	<i>.47</i>								
March	<i>.92</i>	<i>3.41</i>	<i>.97</i>								
April	<i>2.36</i>	<i>.80</i>	<i>2.53</i>								
May	<i>1.19</i>	<i>1.80</i>	<i>2.25</i>								
June	<i>.84</i>	<i>1.43</i>	<i>4.35</i>								
July	<i>4.89</i>	<i>2.88</i>	<i>3.77</i>								
August	<i>1.19</i>	<i>4.14</i>	<i>3.74</i>								
September	<i>3.48</i>	<i>4.24</i>	<i>1.75</i>								
October	<i>3.78</i>	<i>2.82</i>	<i>2.96</i>								
November	<i>2.09</i>	<i>.96</i>	<i>3.01</i>								
December	<i>3.68</i>	<i>2.25</i>	<i>3.51</i>								
TOTALS	<i>26.29</i>	<i>28.56</i>	<i>30.01</i>								

1880. Lt. Pauls, Whitley, 1 mile S.
1882. Fence 6ft-high 18ft-SE

AT

Lon.

County of _____

Rain Gauge, by

Observer

Diameter

Height

Altitude

Year

1880

1881

1882

1883

1884

1885

1886

1885

1888

1889

MEANS.

January

-45

February

2.10

March

1. 74

April

1.99

May

78

June

1.66

July

4.51

August

1.28

September . . .

4.46

October

4.20

November

8.07

December

2.62

TOTALS . . .

29.86

NR

RAINFALL AT *Howick Hall*

3592

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

Mr. Hon. Earl Grey, F.R.S.

boquett 5

Diameter	<i>8</i>											
Height	<i>10</i>											
Altitude	<i>121 ft</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.51</i>	<i>1.63</i>	<i>.62</i>	<i>1.93</i>	<i>3.30</i>	<i>1.02</i>	<i>2.32</i>	<i>1.45</i>	<i>1.24</i>	<i>1.27</i>	<i>1.529</i>	
February	<i>1.99</i>	<i>3.15</i>	<i>.76</i>	<i>2.46</i>	<i>1.22</i>	<i>1.22</i>	<i>1.08</i>	<i>.34</i>	<i>1.28</i>	<i>1.01</i>	<i>1.451</i>	
March	<i>2.01</i>	<i>2.99</i>	<i>1.64</i>	<i>2.36</i>	<i>2.63</i>	<i>1.67</i>	<i>3.08</i>	<i>1.67</i>	<i>3.18</i>	<i>2.42</i>	<i>2.365</i>	
April	<i>1.22</i>	<i>1.17</i>	<i>3.48</i>	<i>1.25</i>	<i>1.80</i>	<i>2.40</i>	<i>1.36</i>	<i>.83</i>	<i>1.48</i>	<i>2.63</i>	<i>1.762</i>	
May	<i>1.48</i>	<i>2.38</i>	<i>2.03</i>	<i>1.57</i>	<i>1.13</i>	<i>3.08</i>	<i>3.18</i>	<i>1.60</i>	<i>.97</i>	<i>2.46</i>	<i>1.988</i>	
June	<i>1.55</i>	<i>1.44</i>	<i>4.21</i>	<i>2.80</i>	<i>.84</i>	<i>1.14</i>	<i>1.51</i>	<i>.25</i>	<i>2.44</i>	<i>.58</i>	<i>1.676</i>	
July	<i>3.05</i>	<i>3.22</i>	<i>3.16</i>	<i>4.61</i>	<i>3.33</i>	<i>1.58</i>	<i>3.65</i>	<i>2.75</i>	<i>4.60</i>	<i>3.06</i>	<i>3.301</i>	
August	<i>.74</i>	<i>6.29</i>	<i>2.75</i>	<i>1.73</i>	<i>.78</i>	<i>1.81</i>	<i>1.08</i>	<i>1.80</i>	<i>1.78</i>	<i>3.74</i>	<i>2.250</i>	
September	<i>4.94</i>	<i>5.29</i>	<i>1.02</i>	<i>3.47</i>	<i>1.99</i>	<i>3.43</i>	<i>2.46</i>	<i>5.40</i>	<i>1.55</i>	<i>1.66</i>	<i>3.121</i>	
October	<i>3.66</i>	<i>3.09</i>	<i>3.50</i>	<i>1.94</i>	<i>1.66</i>	<i>3.41</i>	<i>4.32</i>	<i>2.18</i>	<i>.93</i>	<i>3.96</i>	<i>2.865</i>	
November	<i>4.02</i>	<i>3.01</i>	<i>3.25</i>	<i>1.57</i>	<i>1.91</i>	<i>1.76</i>	<i>3.47</i>	<i>2.75</i>	<i>4.50</i>	<i>.59</i>	<i>2.683</i>	
December	<i>3.63</i>	<i>2.66</i>	<i>4.36</i>	<i>2.02</i>	<i>2.12</i>	<i>.83</i>	<i>3.71</i>	<i>3.42</i>	<i>1.44</i>	<i>2.00</i>	<i>2.619</i>	
TOTALS	<i>28.80</i>	<i>36.32</i>	<i>30.78</i>	<i>27.71</i>	<i>22.71</i>	<i>23.35</i>	<i>31.22</i>	<i>24.44</i>	<i>25.39</i>	<i>25.38</i>	<i>27.610</i>	

1880. Howick

500 yards S.E.

Wall 10ft high 30ft N

" 10ft " 42ft E

RAINFALL AT *Hederton, Lilburn Town* 80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

E. Collingwood, Esq.

Sweed 6

Diameter	<input type="checkbox"/> 10											
Height	6.0											
Altitude	300 T											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	48	2.10	84	1.75	2.92	1.43	2.87	1.47	.90	.57	1.533	
February	2.01	2.83	2.33	2.17	2.29	1.42	.91	.66	.54	1.76	1.692	
March	2.04	2.50	2.57	3.42	2.48	1.17	3.39	2.08	5.22	2.83	2.770	
April	1.38	80	3.94	1.36	2.22	3.27	1.42	.89	2.38	3.58	2.124	
May	1.49	2.44	3.25	2.13	1.43	3.50	2.67	1.95	.98	2.66	2.250	
June	2.15	1.13	3.85	3.09	1.10	.61	1.60	.32	2.43	.00	1.628	
July	4.10	1.37	2.15	5.02	3.29	1.33	3.50	1.94	3.81	3.95	3.046	
August	1.67	6.83	2.14	2.24	1.08	1.95	.71	1.44	1.65	4.69	2.440	
September	4.54	7.46	1.68	3.75	3.42	1.93	2.45	5.55	.76	1.88	3.342	
October	5.43	3.32	4.62	2.33	2.99	3.95	3.61	2.12	.86	5.54	3.477	
November	4.13	3.55	6.10	1.19	2.32	1.91	4.03	3.63	6.00	.57	3.343	
December	3.31	2.44	4.43	1.21	2.19	1.49	3.94	3.46	.89	.88	2.424	
TOTALS	32.73	36.77	37.90	29.66	27.73	23.96	31.10	25.51	26.42	28.91	30.069	

RAINFALL AT

Morpeth, Meldon Park

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

Mr. J. Finlay

Boquett 5

Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>35</i>	<i>1.68</i>	<i>1.27</i>	<i>2.55</i>	<i>4.06</i>	<i>1.74</i>	<i>4.97</i>	<i>1.24</i>	<i>1.62</i>	<i>1.02</i>	<i>2.050</i>
February	<i>1.86</i>	<i>3.89</i>	<i>1.64</i>	<i>1.31</i>	<i>1.47</i>	<i>.94</i>	<i>1.40</i>	<i>.63</i>	<i>1.48</i>	<i>1.38</i>	<i>1.600</i>
March	<i>1.82</i>	<i>3.10</i>	<i>1.69</i>	<i>1.75</i>	<i>2.03</i>	<i>2.21</i>	<i>3.48</i>	<i>2.14</i>	<i>4.64</i>	<i>2.70</i>	<i>2.556</i>
April	<i>1.98</i>	<i>1.46</i>	<i>2.84</i>	<i>1.61</i>	<i>1.83</i>	<i>2.10</i>	<i>1.61</i>	<i>1.01</i>	<i>1.99</i>	<i>4.10</i>	<i>2.053</i>
May	<i>1.88</i>	<i>2.29</i>	<i>1.62</i>	<i>1.75</i>	<i>1.87</i>	<i>3.95</i>	<i>2.61</i>	<i>2.12</i>	<i>.66</i>	<i>1.80</i>	<i>2.055</i>
June	<i>1.58</i>	<i>3.25</i>	<i>4.13</i>	<i>2.02</i>	<i>.57</i>	<i>1.14</i>	<i>1.47</i>	<i>.26</i>	<i>3.04</i>	<i>.34</i>	<i>1.780</i>
July	<i>3.58</i>	<i>3.56</i>	<i>3.13</i>	<i>4.38</i>	<i>3.59</i>	<i>1.74</i>	<i>3.08</i>	<i>2.02</i>	<i>4.63</i>	<i>3.48</i>	<i>3.319</i>
August	<i>1.67</i>	<i>5.95</i>	<i>3.00</i>	<i>3.28</i>	<i>1.00</i>	<i>3.36</i>	<i>1.03</i>	<i>2.24</i>	<i>1.98</i>	<i>3.15</i>	<i>2.666</i>
September	<i>4.32</i>	<i>4.86</i>	<i>1.91</i>	<i>4.17</i>	<i>2.79</i>	<i>3.26</i>	<i>2.42</i>	<i>4.35</i>	<i>1.33</i>	<i>1.54</i>	<i>3.095</i>
October	<i>4.50</i>	<i>4.02</i>	<i>3.86</i>	<i>1.83</i>	<i>1.48</i>	<i>4.21</i>	<i>4.54</i>	<i>1.84</i>	<i>1.03</i>	<i>5.33</i>	<i>3.264</i>
November	<i>2.82</i>	<i>2.49</i>	<i>3.17</i>	<i>1.91</i>	<i>1.79</i>	<i>2.34</i>	<i>4.08</i>	<i>3.65</i>	<i>6.46</i>	<i>.68</i>	<i>2.939</i>
December	<i>3.43</i>	<i>3.05</i>	<i>3.85</i>	<i>1.72</i>	<i>2.65</i>	<i>.92</i>	<i>3.75</i>	<i>3.53</i>	<i>1.20</i>	<i>1.02</i>	<i>2.512</i>
TOTALS	<i>29.79</i>	<i>39.60</i>	<i>32.11</i>	<i>28.28</i>	<i>25.13</i>	<i>27.91</i>	<i>34.44</i>	<i>25.03</i>	<i>30.06</i>	<i>26.54</i>	<i>29.889</i>

1880. Hartburn Church, 1 1/2 miles W.

Fruit bushes 7ft high 10ft N, E, + NW.

RAINFALL AT *Morpeth, Bothallhaugh* 80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

Hon. & Rev. W. G. Ellis

Goquett 5 Garden Daily

Diameter	<i>5</i>											
Height	<i>10</i>											
Altitude	<i>35?</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>28</i>	<i>1.66</i>	<i>1.01</i>	<i>2.01</i>	<i>3.43</i>	<i>1.38</i>	<i>3.87</i>	<i>1.40</i>	<i>2.20</i>	<i>1.11</i>	<i>1.835</i>	
February	<i>1.18</i>	<i>4.25</i>	<i>.85</i>	<i>1.52</i>	<i>1.07</i>	<i>.81</i>	<i>1.45</i>	<i>.45</i>	<i>1.25</i>	<i>1.05</i>	<i>1.388</i>	
March	<i>2.00</i>	<i>3.36</i>	<i>1.08</i>	<i>2.01</i>	<i>2.05</i>	<i>2.30</i>	<i>2.84</i>	<i>2.12</i>	<i>4.04</i>	<i>3.36</i>	<i>2.516</i>	
April	<i>1.54</i>	<i>1.30</i>	<i>3.07</i>	<i>1.30</i>	<i>1.64</i>	<i>2.20</i>	<i>1.86</i>	<i>1.07</i>	<i>1.94</i>	<i>3.00</i>	<i>1.892</i>	
May	<i>1.60</i>	<i>1.70</i>	<i>1.30</i>	<i>1.78</i>	<i>1.46</i>	<i>3.06</i>	<i>2.97</i>	<i>2.23</i>	<i>.62</i>	<i>1.84</i>	<i>1.856</i>	
June	<i>1.20</i>	<i>1.70</i>	<i>3.72</i>	<i>2.50</i>	<i>.60</i>	<i>1.25</i>	<i>1.56</i>	<i>.35</i>	<i>2.60</i>	<i>.31</i>	<i>1.579</i>	
July	<i>3.89</i>	<i>3.55</i>	<i>3.44</i>	<i>5.39</i>	<i>4.38</i>	<i>1.09</i>	<i>3.30</i>	<i>1.92</i>	<i>4.86</i>	<i>2.65</i>	<i>3.447</i>	
August	<i>.94</i>	<i>5.61</i>	<i>4.43</i>	<i>2.68</i>	<i>.72</i>	<i>3.09</i>	<i>1.50</i>	<i>1.87</i>	<i>2.55</i>	<i>4.69</i>	<i>2.808</i>	
September	<i>4.35</i>	<i>4.98</i>	<i>1.68</i>	<i>3.34</i>	<i>1.78</i>	<i>3.01</i>	<i>2.31</i>	<i>5.05</i>	<i>1.36</i>	<i>1.71</i>	<i>2.957</i>	
October	<i>4.45</i>	<i>3.95</i>	<i>3.43</i>	<i>1.79</i>	<i>1.51</i>	<i>4.78</i>	<i>4.06</i>	<i>2.36</i>	<i>.90</i>	<i>4.29</i>	<i>3.152</i>	
November	<i>2.73</i>	<i>1.93</i>	<i>3.03</i>	<i>1.68</i>	<i>1.79</i>	<i>1.71</i>	<i>3.93</i>	<i>2.75</i>	<i>4.99</i>	<i>.62</i>	<i>2.516</i>	
December	<i>3.82</i>	<i>2.31</i>	<i>3.57</i>	<i>2.15</i>	<i>2.26</i>	<i>1.08</i>	<i>3.59</i>	<i>3.99</i>	<i>.91</i>	<i>1.17</i>	<i>2.485</i>	
TOTALS	<i>27.98</i>	<i>36.30</i>	<i>30.61</i>	<i>28.15</i>	<i>22.69</i>	<i>26.76</i>	<i>33.24</i>	<i>25.56</i>	<i>28.22</i>	<i>25.80</i>	<i>(28.431)</i>	

1881. Bothal 200 yards N.W.

Apple tree 12 ft high 2 ft W.

1882 Gauge moved slightly to a more open space

Bothal Church 300 yards N

1880, 81 & 82 Returns probably "Corrected" by readings of other gauges

RAINFALL AT

Morpeth, Bothalhaugh

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

Wm & Per W. C. Ellis

Boquett 5

Garden Monthly

Diameter	5										
Height	10										
Altitude	35?										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.32			2.08			3.53	1.22	1.84	.99	
February	1.30			1.64			1.20	.37	.96	.60	
March	2.10			1.75			2.01	1.89	3.60	3.31	
April	1.50			1.24			1.73	.92	1.84	2.70	
May	1.63			1.65			2.84	2.20	.55	1.37	
June	1.22			2.50			1.50	.32	2.52	.27	
July	3.96			5.39			3.19	1.81	4.20	2.70	
August	1.00			2.57			1.45	1.72	2.46	4.40	
September	4.50			3.54			2.22	4.86	1.36	1.83	
October	4.85			1.73			3.86	2.32	.92	4.39	
November	3.20			1.70			3.79	2.52	4.17	.66	
December	4.20			2.39				3.97	.90	1.28	
TOTALS	29.98			28.18				24.12	25.32	24.50	

1880. Bothal

200 yds

N.W.

Apple tree - 12ft high 2ft W.

RAINFALL AT *Morpeth Bothalhaugh*

80

Lat.

Lon. County of *Northumberland*

Rain Gauge, by

Observer *Hon^{ble} & Rev^d W. C. Ellis*

Goquelt 5

Lawn Daily

Diameter					5						
Height					10						
Altitude				125?	135?						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...		1.12		2.04	3.25		3.60	1.12	2.14	.99	
February ...		3.59		1.50	1.11		1.18	.36	1.03	.95	
March		2.84		1.58	2.19		1.80	1.74	3.32	3.16	
April		1.08		1.33	1.67		1.59	.89	1.78	2.92	
May		1.56		1.77	1.39		2.85	2.06	.63	1.71	
June		1.54		2.53	.61		1.42	.33	2.46	.31	
July		3.05		5.32	4.31		3.23	1.79	4.55	2.44	
August		4.50		2.63	.70		1.51	1.70	2.49	4.36	
September ...		4.17		3.32	1.74		2.06	4.48	1.22	1.56	
October		2.93		1.63	1.38		3.79	2.01	.86	4.25	
November		1.63		1.57	1.64		3.54	2.40	4.72	.59	
December		1.99		2.19	2.20		3.48	3.59	.84	1.19	
TOTALS		30.00		27.41	22.19		30.05	22.47	26.04	24.43	

RAINFALL AT *Morpeth Bothalhaugh*

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *Montagu R. N. C. Ellis**Boquett's Lawn Monthly*

Diameter											
Height											
Altitude				125?							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...				1.95	3.09	1.16	3.39	1.32	1.83	.91	
February				1.43	1.03	.75	1.04	.33	1.05	.70	
March		2.79		1.61	1.95	2.18	1.73	1.82		3.24	
April		1.17		1.27	1.57	2.14	1.58		1.80	2.86	
May		1.75		1.68	1.16	2.85	2.73	1.99	.57	1.67	
June		1.67		2.41	.53	1.17	1.38	.25	2.83	.26	
July		3.31		5.43	3.53	1.01	2.68	1.69		2.36	
August				2.58	.67	(2.99)	1.40	1.64	2.42	4.31	
September....		5.10		3.64	1.72	2.89	2.14	4.58	1.28	1.60	
October		4.20		1.55	1.27	4.68	3.86	2.04	.84	4.17	
November....		1.95		1.52	1.60	1.64	3.38	2.41		.57	
December		1.90		2.25	2.12	.92			.90	1.14	
TOTALS				27.32	20.24	(24.38)				23.79	

RAINFALL AT *Morpeth, Cresswell*

Lat. Lon. County of *Northumberland*
Rain Gauge, by Observer *Rev J E Leefe*

Boquett 5

Diameter		5									
Height		1 . 5									
Altitude		95									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS,
January ...	.30	} 1.84	.63								
February ...	1.31		.66								
March	1.69	2.36	.88								
April .....	.76	.68	2.63								
May	1.11	1.29	2.40								
June .....	.88	1.77	3.84								
July	3.30	2.56	2.73								
August	1.28	4.57	3.97								
September ...	2.62	4.25	.81								
October	2.79	3.60									
November	1.49	1.91									
December	1.10	2.23									
TOTALS	18.63	27.06									

1880 ? gauge leaking.
1881 New gauge after April

RAINFALL AT Morpeth Earsdon

80

Lat.

Lon.

County of Northumberland

Rain Gauge, by

Observer G. J. Murday

Boquelt 5

Diameter	<u>6</u>										
Height	<u>1.3</u>										
Altitude	<u>600</u>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<u>47</u>	<u>1.74</u>	<u>1.36</u>	<u>1.85</u>							
February	<u>1.61</u>	<u>3.76</u>	<u>1.73</u>	<u>1.54</u>							
March	<u>1.74</u>	<u>2.97</u>	<u>1.75</u>	<u>1.61</u>							
April	<u>2.10</u>	<u>1.53</u>	<u>3.71</u>	<u>1.33</u>							
May	<u>1.68</u>	<u>2.31</u>	<u>1.87</u>	<u>1.89</u>							
June	<u>1.38</u>	<u>3.15</u>	<u>4.33</u>	<u>2.13</u>							
July	<u>3.71</u>	<u>3.74</u>	<u>3.55</u>	<u>5.60</u>							
August	<u>1.64</u>	<u>6.10</u>	<u>2.80</u>	<u>2.47</u>							
September	<u>4.76</u>	<u>3.98</u>	<u>1.79</u>	<u>4.30</u>							
October	<u>4.31</u>	<u>4.12</u>	<u>4.07</u>	<u>2.59</u>							
November	<u>3.07</u>	<u>2.63</u>	<u>2.92</u>	<u>1.84</u>							
December	<u>3.14</u>	<u>2.90</u>	<u>3.49</u>	<u>2.59</u>							
TOTALS	<u>29.61</u>	<u>38.93</u>	<u>33.37</u>	<u>29.74</u>							

RAINFALL AT *Morpeth Earsdon*

80

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *T. J. Murday Esq*

<i>boquett 5</i>											
Diameter											
Height											
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											
TOTALS				<i>29.74</i>							

1883 Monthly amounts mislaid

See previous sheet

RAINFALL AT Felton

80

Lat. Lon. County of Northumberland

Rain Gauge, by ... Observer T. J. Munday Esq.

Boquett 5

Diameter				8	5						
Height				1	6						
Altitude				240?				230			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...					3.68	1.42	4.11	1.43			
February ...					1.54	1.01	1.29	.45			
March					2.40	2.38	2.94	1.85			
April					2.10	2.39	1.45	.72			
May					1.45	3.86	3.17	1.85			
June .....					.74	.93	1.43	.31			
July					4.27	1.34	3.63	1.87			
August				# 2.37	.94	2.63	.97	1.68			
September....				4.09	2.25	3.60	2.21	4.58			
October				2.37	1.70	4.06	4.19	2.59			
November....				1.66	1.56	1.75	4.38				
December				2.42	2.22	.93	3.93				
TOTALS					24.85	26.30	33.70				

1884 Fence 5ft high 50ft N

RAINFALL AT *Felton*

80

Lat.

Lon.

County of *Northumberland*

Rain Gauge, by

Observer *J. J. Munday Esq.*

Loquett 5 Monthly

Diameter					<i>5</i>						
Height					<i>1.6</i>						
Altitude					<i>240.?</i>						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					<i>3.70</i>	<i>1.45</i>	<i>4.10</i>				
February					<i>1.53</i>	<i>1.03</i>	<i>1.27</i>				
March					<i>2.40</i>	<i>2.35</i>	<i>2.98</i>				
April					<i>2.11</i>	<i>2.39</i>	<i>1.45</i>				
May					<i>1.43</i>	<i>3.87</i>	<i>3.14</i>				
June					<i>.76</i>	<i>.94</i>	<i>1.44</i>				
July					<i>4.28</i>	<i>1.35</i>	<i>3.67</i>				
August					<i>.96</i>	<i>2.62</i>	<i>.94</i>				
September....					<i>2.25</i>	<i>3.59</i>	<i>2.24</i>				
October					<i>1.71</i>	<i>4.08</i>	<i>4.18</i>				
November					<i>1.56</i>	<i>1.75</i>	<i>4.40</i>				
December					<i>2.23</i>	<i>.96</i>	<i>3.95</i>				
TOTALS					<i>24.92</i>	<i>26.38</i>	<i>33.76</i>				

1884.

Fence 5ft high 50ft N

<i>Loquett 5</i>											
Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude	<i>410 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.68</i>	<i>1.92</i>	<i>1.39</i>	<i>3.19</i>	<i>4.41</i>	<i>2.21</i>					
February	<i>2.46</i>	<i>4.56</i>	<i>2.03</i>	<i>2.25</i>	<i>2.25</i>	<i>1.61</i>					
March	<i>2.08</i>	<i>4.20</i>	<i>1.77</i>	<i>3.52</i>	<i>2.62</i>	<i>2.22</i>					
April	<i>1.72</i>	<i>1.44</i>	<i>3.74</i>	<i>1.59</i>	<i>1.95</i>	<i>2.83</i>					
May	<i>2.35</i>	<i>2.61</i>	<i>2.03</i>	<i>1.99</i>	<i>2.22</i>	<i>4.46</i>					
June	<i>1.89</i>	<i>2.41</i>	<i>4.03</i>	<i>1.92</i>	<i>.75</i>	<i>.70</i>					
July	<i>4.55</i>	<i>3.08</i>	<i>2.84</i>	<i>5.29</i>	<i>4.18</i>	<i>1.24</i>					
August	<i>1.05</i>	<i>5.47</i>	<i>3.01</i>	<i>2.48</i>	<i>1.18</i>	<i>1.57</i>					
September	<i>4.49</i>	<i>5.35</i>	<i>2.39</i>	<i>4.17</i>	<i>2.13</i>	<i>3.41</i>					
October	<i>4.69</i>	<i>4.46</i>	<i>3.94</i>	<i>2.46</i>	<i>1.93</i>	<i>4.11</i>					
November	<i>3.48</i>	<i>3.36</i>	<i>5.04</i>	<i>1.60</i>	<i>2.31</i>	<i>2.66</i>					
December	<i>3.34</i>	<i>4.45</i>	<i>5.82</i>	<i>1.93</i>	<i>2.50</i>	<i>1.25</i>					
TOTALS	<i>32.78</i>	<i>43.31</i>	<i>38.03</i>	<i>32.39</i>	<i>28.43</i>	<i>28.27</i>					

1880. Rothbury

1/4 mile N.

Tower 40ft high 150ft W.

RAINFALL AT

Northbury, Brackburn, New York
Northumberland
C. A. Cadogan, Esq.

Lat.

Lon.

County of

Rain Gauge, by

Observer

Boquett's

Diameter	8											
Height	1.0						9	1.2				
Altitude	300 T				200 T		260 T	257 T				
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.46	1.75	1.26	2.79	4.02	1.97	5.12	1.40	.75	-.92	2.044	
February	2.19	3.94	1.40	1.84	1.79	1.70	1.22	.59	1.51	-.67	1.625	
March	2.18	4.28	2.07	2.51	2.02	2.12	3.68	1.63	4.47	3.32	2.828	
April	1.60	1.22	3.84	1.39	2.28	2.46	1.58	1.25	1.36	4.38	2.136	
May	2.46	2.12	2.74	1.53	1.88	4.84	2.86	1.96	.62	1.02	2.203	
June	1.21	2.25	3.69	2.51	.64	.84	1.35	.00	3.68	.24	1.641	
July	4.47	3.14	3.12	4.60	2.75	1.69	3.62	2.13	5.11	3.52	3.415	
August .....	.98	5.24	2.52	2.68	.77	1.96	1.21	1.87	3.47	3.47	2.417	
September	3.25	5.29	1.68	4.09	2.26	2.96	2.08	4.60	.93	1.93	2.907	
October	4.31	5.52	4.32	2.19	1.99	4.71	4.74	2.13	.77	5.41	3.609	
November	3.42	3.37	3.66	1.65	1.73	2.31	4.44	4.28	5.97	.53	3.136	
December	3.26	3.85	5.84	1.79	2.46	1.16	4.30	3.45	1.69	1.17	2.897	
TOTALS	29.79	41.97	36.14	29.57	24.59	28.12	36.20	25.29	30.33	26.58	30.858	

Wall 13ft high 20ft distant S.W.

1882 Long Framlington 2 miles NE

Wall 15ft high 20ft E

1883 Wall 20ft 20 yds E. N.E.

1884 Brackburn Church 1/2 mile S.W.

1886 Gauge sunk 3 inches in ground to prevent overthrow.

RAINFALL AT Rothbury, Cragside 80

Lat. _____ Lon. _____ County of Northumberland
Rain Gauge, by _____ Observer Mr. McPortram

Loaguet 5

Diameter	8											
Height	1.0									1.3		
Altitude	400 ft											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.68	2.15	1.33	3.06	4.56	2.70	6.04	1.82	.81	.94	2.409	
February	1.99	3.64	1.04	2.06	3.41	1.58	1.30	.55	3.35	1.74	2.066	
March	2.07	3.38	3.24	2.09	1.63	2.70	4.46	2.35	5.25	3.43	3.060	
April	1.35	1.78	4.41	2.12	2.28	2.18	2.27	1.22	2.46	5.17	2.524	
May	2.11	2.68	2.54	2.71	1.79	5.25	3.65	1.69	1.02	1.71	2.515	
June	1.12	2.70	4.40	2.60	1.20	.92	1.43	.27	2.89	.17	1.770	
July	4.37	3.87	2.50	5.22	4.10	1.24	4.25	2.45	4.90	2.53	3.543	
August	1.02	5.88	3.05	3.07	1.35	1.79	1.17	2.02	2.90	3.44	2.569	
September	4.58	5.24	2.61	4.29	2.10	3.39	2.38	5.31	1.26	1.97	3.313	
October	4.73	4.39	4.60	2.53	2.36	5.29	5.23	2.52	1.35	5.44	3.844	
November	3.15	2.90	4.31	1.36	2.46	3.11	5.94	4.10	6.42	.48	3.423	
December	2.63	4.52	4.60	2.22	2.79	1.57	4.53	3.99	1.88	1.20	2.993	
TOTALS	29.80	43.13	38.63	33.33	30.03	31.72	42.65	28.29	34.49	28.22	34.029	

1881. Rothbury 1 mile S.W.
1889 Wace 9 ft high 90 ft N.W.

RAINFALL AT

Alwinton, Harbottle

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

J. Thompson, Esq.

W. R. Elliott

Goquett 5

Diameter	<i>5</i>										
Height	<i>1.0</i>				<i>1.6</i>			<i>1.0</i>			
Altitude	<i>500 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>46</i>	<i>.85</i>			<i>4.88</i>	<i>2.18</i>	<i>4.57</i>	<i>1.88</i>	<i>1.93</i>	<i>1.24</i>	
February	<i>2.08</i>	<i>1.80</i>			<i>2.25</i>	<i>1.84</i>	<i>1.16</i>	<i>1.24</i>	<i>1.61</i>	<i>1.72</i>	
March	<i>2.06</i>	<i>1.17</i>			<i>2.01</i>	<i>1.60</i>	<i>3.95</i>	<i>1.59</i>	<i>4.06</i>	<i>3.33</i>	
April	<i>2.46</i>	<i>1.62</i>			<i>1.45</i>	<i>2.41</i>	<i>1.91</i>	<i>1.20</i>	<i>2.41</i>	<i>4.61</i>	
May	<i>2.23</i>	<i>1.44</i>			<i>2.72</i>	<i>4.63</i>	<i>3.14</i>	<i>1.95</i>	<i>1.29</i>	<i>1.60</i>	
June	<i>1.04</i>	<i>.99</i>			<i>.64</i>	<i>.92</i>	<i>1.78</i>	<i>.29</i>	<i>3.18</i>	<i>.45</i>	
July	<i>5.62</i>	<i>3.02</i>			<i>4.08</i>	<i>1.59</i>	<i>4.33</i>	<i>4.19</i>	<i>4.82</i>	<i>2.74</i>	
August	<i>1.39</i>	<i>4.95</i>			<i>1.26</i>	<i>2.34</i>	<i>1.20</i>	<i>2.17</i>	<i>3.34</i>	<i>4.62</i>	
September	<i>4.65</i>	<i>2.30</i>			<i>2.28</i>	<i>3.29</i>	<i>2.76</i>	<i>4.86</i>	<i>1.26</i>	<i>1.96</i>	
October	<i>4.59</i>	<i>2.63</i>			<i>2.32</i>	<i>4.06</i>	<i>5.70</i>	<i>2.29</i>	<i>2.02</i>	<i>5.17</i>	
November	<i>3.25</i>	<i>.94</i>			<i>2.22</i>	<i>2.75</i>	<i>4.85</i>	<i>3.37</i>	<i>6.58</i>	<i>.69</i>	
December	<i>1.90</i>	<i>6.25</i>			<i>2.96</i>	<i>1.43</i>	<i>4.64</i>	<i>3.29</i>	<i>1.69</i>	<i>1.68</i>	
TOTALS	<i>31.73</i>	<i>27.96</i>	<i>NR.</i>		<i>29.07</i>	<i>29.04</i>	<i>39.99</i>	<i>28.32</i>	<i>34.19</i>	<i>29.81</i>	

1880. St. Michaels Church, 1 mile N.W.

1881 Record incorrect.

1886 Jan. 1st gauge moved 15 yards S.E.

1881. bad

RAINFALL AT *Alwinton, Biddleston* 80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

Mr. P. Dodds

boquett 5

Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude	<i>620T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.90</i>	<i>1.92</i>	<i>1.26</i>	<i>2.50</i>	<i>4.13</i>	<i>2.48</i>	<i>4.62</i>	<i>1.89</i>	<i>1.93</i>	<i>1.40</i>	<i>2.303</i>
February	<i>2.14</i>	<i>2.57</i>	<i>2.19</i>	<i>2.43</i>	<i>2.51</i>	<i>1.38</i>	<i>1.37</i>	<i>1.21</i>	<i>2.37</i>	<i>2.07</i>	<i>2.024</i>
March	<i>2.24</i>	<i>4.01</i>	<i>2.08</i>	<i>2.83</i>	<i>2.10</i>	<i>2.50</i>	<i>4.81</i>	<i>2.33</i>	<i>6.20</i>	<i>3.79</i>	<i>3.289</i>
April	<i>2.52</i>	<i>2.28</i>	<i>4.30</i>	<i>1.73</i>	<i>1.86</i>	<i>3.12</i>	<i>1.97</i>	<i>1.29</i>	<i>2.95</i>	<i>5.59</i>	<i>2.761</i>
May	<i>1.99</i>	<i>2.90</i>	<i>2.75</i>	<i>2.31</i>	<i>2.56</i>	<i>4.85</i>	<i>3.38</i>	<i>2.39</i>	<i>1.18</i>	<i>1.21</i>	<i>2.552</i>
June	<i>1.19</i>	<i>2.59</i>	<i>4.91</i>	<i>1.98</i>	<i>.84</i>	<i>.84</i>	<i>1.55</i>	<i>.47</i>	<i>2.76</i>	<i>.90</i>	<i>1.803</i>
July	<i>6.38</i>	<i>4.26</i>	<i>2.61</i>	<i>5.17</i>	<i>4.21</i>	<i>1.64</i>	<i>4.35</i>	<i>3.78</i>	<i>4.83</i>	<i>3.25</i>	<i>4.048</i>
August	<i>1.54</i>	<i>6.79</i>	<i>2.88</i>	<i>2.15</i>	<i>1.12</i>	<i>2.36</i>	<i>.97</i>	<i>2.03</i>	<i>2.93</i>	<i>4.49</i>	<i>2.726</i>
September	<i>5.13</i>	<i>5.23</i>	<i>1.34</i>	<i>4.87</i>	<i>2.13</i>	<i>3.31</i>	<i>2.40</i>	<i>5.47</i>	<i>1.12</i>	<i>1.97</i>	<i>3.297</i>
October	<i>5.31</i>	<i>4.40</i>	<i>4.71</i>	<i>2.85</i>	<i>3.57</i>	<i>4.52</i>	<i>5.76</i>	<i>2.57</i>	<i>2.13</i>	<i>5.55</i>	<i>4.137</i>
November	<i>4.00</i>	<i>4.06</i>	<i>3.40</i>	<i>1.66</i>	<i>2.81</i>	<i>2.72</i>	<i>5.84</i>	<i>4.90</i>	<i>6.84</i>	<i>.63</i>	<i>3.686</i>
December	<i>3.55</i>	<i>3.65</i>	<i>4.00</i>	<i>2.02</i>	<i>2.46</i>	<i>1.72</i>	<i>4.10</i>	<i>3.57</i>	<i>1.50</i>	<i>1.55</i>	<i>2.812</i>
TOTALS	<i>36.89</i>	<i>44.66</i>	<i>36.43</i>	<i>32.50</i>	<i>30.30</i>	<i>31.44</i>	<i>41.12</i>	<i>31.90</i>	<i>36.74</i>	<i>32.40</i>	<i>35.438</i>

1880. Alwinton Church 3 miles

*IV?
S.W.*

Shrubs 8ft-high 20ft-W?E

1884

House 20ft high 30ft N

RAINFALL AT *Alnwick, Belle Vue House* 80

Lat. Lon. County of *Northumberland*
 Rain Gauge, by Observer *J. J. Horsley Esq.*

Boquett 5

Diameter							5				
Height							4	1.0			
Altitude							304				
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January							2.57	1.14	.84	1.00	
February							30	45	.88	.58	
March							4.16	1.36	2.86	2.42	
April							1.58	.90	2.01	3.41	
May							2.61	1.36	1.09	2.21	
June							1.61	.32	2.28	.57	
July							3.27	2.66	4.14	3.74	
August							1.13	1.74	2.09	4.84	
September....							2.18	4.65	1.45	2.00	
October							4.35	1.59	.80	4.73	
November							3.05	2.96	4.67	.53	
December							2.80	2.47	1.65	1.76	
TOTALS							29.61	21.60	24.76	27.79	

St Paul's Church 220 yards ENE
1886 House 25ft. high 27ft. w.
Bushes 5ft. " 9ft N.E.

Bottle gauge sunk in ground asked to raise 31.12.86

N. B. annual values rejected from Survey Map, 1929.

RAINFALL AT *Aluwick Castle*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

The Meteor. Council

Boquett 5

Diameter	<i>5</i>										
Height	<i>4</i>										
Altitude	<i>178 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>53</i>					<i>1.22</i>	<i>3.40</i>	<i>1.49</i>	<i>1.20</i>	<i>1.27</i>	
February	<i>2.27</i>					<i>1.28</i>	<i>1.03</i>	<i>.59</i>	<i>1.29</i>	<i>1.00</i>	
March	<i>1.87</i>					<i>2.09</i>	<i>3.81</i>	<i>1.96</i>	<i>4.39</i>	<i>3.05</i>	
April	<i>1.44</i>					<i>3.17</i>	<i>1.78</i>	<i>.92</i>	<i>2.43</i>	<i>3.79</i>	
May	<i>2.23</i>					<i>4.23</i>	<i>3.04</i>	<i>1.92</i>	<i>1.04</i>	<i>2.16</i>	
June	<i>1.82</i>					<i>.89</i>	<i>1.44</i>	<i>.24</i>	<i>2.59</i>	<i>.59</i>	
July	<i>3.80</i>					<i>1.77</i>	<i>3.54</i>	<i>2.57</i>	<i>4.36</i>	<i>3.61</i>	
August	<i>54</i>					<i>1.61</i>	<i>1.06</i>	<i>2.00</i>	<i>2.14</i>	<i>4.93</i>	
September	<i>4.69</i>					<i>3.49</i>	<i>2.08</i>	<i>4.95</i>	<i>1.60</i>	<i>1.93</i>	
October	<i>3.45</i>					<i>4.12</i>	<i>4.51</i>	<i>2.36</i>	<i>.96</i>	<i>4.97</i>	
November	<i>4.00</i>					<i>2.29</i>	<i>4.37</i>	<i>3.41</i>	<i>5.51</i>	<i>.50</i>	
December	<i>3.87</i>					<i>1.19</i>	<i>3.45</i>	<i>4.11</i>	<i>1.73</i>	<i>1.90</i>	
TOTALS	<i>30.51</i>					<i>27.35</i>	<i>33.51</i>	<i>26.52</i>	<i>29.24</i>	<i>29.70</i>	

RAINFALL AT

Alnwick Glanton Pyke

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

F. W. Gellingwood Esq

boquett 5

Diameter									8		
Height									4.4		
Altitude									517		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.75	.74	1.18	2.19	3.46	1.66	3.90	1.60	1.23	1.09	1.780
February	2.35	2.43	1.73	2.22	1.72	1.02	1.26	.76	1.15	1.35	1.599
March	1.86	2.64	1.82	2.90	2.05	1.81	2.79	1.96	4.03	2.26	2.412
April	1.74	1.31	3.62	1.48	1.60	3.18	1.73	1.03	1.78	4.02	2.149
May	1.95	3.37	3.81	3.14	1.74	2.59	3.35	1.82	1.04	1.58	2.439
June	1.48	1.76	3.69	3.18	1.89	1.19	1.68	.44	2.50	.40	1.821
July ..	3.69	2.73	2.63	4.86	4.97	1.38	3.98	2.65	5.05	3.35	3.529
August	1.40	6.38	2.50	2.07	1.50	1.80	1.30	1.13	2.29	4.32	2.469
September....	4.71	4.60	1.63	4.12	2.58	3.45	2.20	5.26	1.15	1.67	3.137
October	4.27	4.01	3.86	2.30	2.07	3.38	4.75	2.23	1.22	4.50	3.259
November....	3.57	3.13	3.30	1.42	2.21	2.23	4.36	3.90	6.17	.43	3.072
December	3.22	3.54	3.27	1.73	2.45	1.34	3.84	3.44	1.67	1.21	2.571
TOTALS	30.99	36.64	33.04	31.61	28.24	25.03	35.14	26.22	29.28	26.18	30.237

RAINFALL AT *Alnwick Bondgate* 80

Lat. Lon. County of *Northumberland*
Rain Gauge, by Observer *J. Lingwood, Esq.*

Boquett 5

Diameter		<i>8</i>									
Height		<i>1.0</i>									
Altitude		<i>2145</i>									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January		<i>2.19</i>	<i>.79</i>	<i>2.46</i>							
February		<i>4.08</i>	<i>1.11</i>	<i>2.59</i>							
March		<i>3.71</i>	<i>1.57</i>	<i>2.12</i>							
April		<i>1.21</i>	<i>4.20</i>	<i>1.26</i>							
May		<i>3.08</i>	<i>2.67</i>	<i>2.00</i>							
June		<i>1.72</i>	<i>3.77</i>	<i>2.17</i>							
July		<i>3.14</i>	<i>2.81</i>	<i>4.15</i>							
August		<i>6.07</i>	<i>2.57</i>	<i>2.20</i>							
September ...		<i>6.32</i>	<i>1.25</i>	<i>4.23</i>							
October		<i>3.08</i>	<i>3.54</i>	<i>2.41</i>							
November		<i>3.41</i>	<i>3.71</i>	<i>1.63</i>							
December		<i>2.61</i>	<i>4.88</i>	<i>2.34</i>							
TOTALS		<i>40.62</i>	<i>32.87</i>	<i>29.56</i>							

1881. St. Pauls, Alnwick 1/4 mile W.S.W.
Apple tree 12 ft high 24 ft S.W
" " 13 ft " 25 ft NE
Thermometer stand 5 ft 6 in " 10 ft NNE
Hedge 3 ft " 21 ft E

RAINFALL AT Bamburgh

80

Lat.

Lon.

County of Northumberland

Rain Gauge, by

Observer W. C. Good

Boquett 5

Diameter			5								
Height			8			1.0					
Altitude			75 L								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....				2.06	2.42	1.17	1.97	1.98	1.03	1.14	
February				3.10	.94	1.35	.85	.49	.98	.91	
March				2.45	2.58	1.57	3.41	1.48	2.96	3.20	
April				1.29	1.51	2.25	1.10	.90	1.33	2.20	
May				1.75	1.27	2.73	2.68	1.62	.69	2.20	
June				2.04	1.01	.79	1.68	.29	2.42	.49	
July				4.77	3.92	1.65	4.21	2.02	5.16	3.31	
August				1.75	1.19	1.79	1.37	2.06	1.56	3.73	
September....				3.91	2.11	3.01	2.49	4.33	1.20	2.04	
October				1.97	1.78	3.67	3.90	1.41	.86	3.79	
November....			#	2.71	1.28	2.10	1.90	2.57	3.01	3.67	.58
December				5.14	1.30	1.32	.67	4.41	3.02	.99	1.43
TOTALS				27.67	22.15	22.53	30.64	22.61	22.85	25.02	

Bamburgh Church 150 yards W.

1883 E. H. H. 4 ft high 17 ft. E.

1881-2 Belford Middleton Park used

for averages x 1.50

RAINFALL AT *Belford, Middleton St. 80*

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

J. J. Leather, Esq, C.E.

boquett 5.

Diameter	<input type="checkbox"/> 10										
Height	<i>3.0</i>										
Altitude	<i>240 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.35</i>	<i>1.30</i>	<i>.36</i>	<i>1.63</i>	<i>2.53</i>	<i>1.42</i>	<i>1.67</i>	<i>1.35</i>	<i>1.09</i>	<i>.80</i>	
February	<i>1.91</i>	<i>1.58</i>	<i>.65</i>	<i>2.82</i>	<i>.92</i>	<i>1.07</i>	<i>.64</i>	<i>.61</i>	<i>.71</i>	<i>.54</i>	
March	<i>1.81</i>	<i>1.70</i>	<i>1.08</i>	<i>2.16</i>	<i>2.62</i>	<i>1.67</i>	<i>1.30</i>	<i>1.49</i>	<i>2.30</i>	<i>2.93</i>	
April	<i>1.13</i>	<i>1.31</i>	<i>3.37</i>	<i>1.42</i>	<i>1.47</i>	<i>2.78</i>	<i>1.20</i>	<i>1.09</i>	<i>1.39</i>	<i>2.60</i>	
May	<i>1.41</i>	<i>2.72</i>	<i>2.27</i>	<i>1.78</i>	<i>1.23</i>	<i>2.99</i>	<i>2.98</i>	<i>2.03</i>	<i>.61</i>	<i>1.52</i>	
June	<i>1.90</i>	<i>1.39</i>	<i>3.89</i>	<i>2.63</i>	<i>.87</i>	<i>1.48</i>	<i>1.57</i>	<i>.34</i>	<i>2.61</i>	<i>.59</i>	
July	<i>3.01</i>	<i>3.51</i>	<i>2.98</i>	<i>6.26</i>	<i>4.69</i>	<i>2.25</i>	<i>3.40</i>	<i>2.59</i>	<i>4.72</i>	<i>3.88</i>	
August	<i>.65</i>	<i>5.90</i>	<i>2.05</i>	<i>2.10</i>	<i>1.03</i>	<i>2.29</i>	<i>1.22</i>	<i>1.75</i>	<i>1.56</i>	<i>4.16</i>	
September	<i>5.71</i>	<i>5.59</i>	<i>1.23</i>	<i>3.87</i>	<i>2.13</i>	<i>3.23</i>	<i>1.62</i>	<i>4.66</i>	<i>1.21</i>	<i>2.78</i>	
October	<i>2.97</i>	<i>2.36</i>	<i>3.03</i>	<i>2.13</i>	<i>1.68</i>	<i>3.99</i>	<i>3.71</i>	<i>1.42</i>	<i>.95</i>	<i>3.92</i>	
November	<i>3.55</i>	<i>2.39</i>	<i>2.83</i>	<i>1.22</i>	<i>1.93</i>	<i>1.73</i>	<i>3.22</i>	<i>3.08</i>	<i>3.82</i>	<i>.70</i>	
December	<i>2.84</i>	<i>1.32</i>	<i>4.24</i>	<i>1.56</i>	<i>1.42</i>	<i>.56</i>	<i>2.28</i>	<i>2.70</i>	<i>.96</i>	<i>1.31</i>	
TOTALS	<i>27.24</i>	<i>31.07</i>	<i>27.98</i>	<i>29.58</i>	<i>22.52</i>	<i>25.46</i>	<i>24.81</i>	<i>23.11</i>	<i>21.93</i>	<i>25.73</i>	

1884 Belford Church 1 mile S.E.

1886-1912 Received from Major G. F. J. Leather II. 1914. Entered 2. XII. 1914

RAINFALL AT *Cheriot, Broadstair* 80

Lat. Lon. County of *Northumberland*
Rain Gauge, by Observer *G. P. Hughes, Esq.*

Tweed 6

Diameter	<i>8</i>											
Height	<i>14.0</i>											
Altitude	<i>1692</i>									<i>1574</i>		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>1.50</i>	<i>3.75</i>	<i>1.25</i>	<i>4.13</i>	<i>9.87</i>	<i>2.00</i>	<i>7.25</i>	<i>3.75</i>	<i>8.63</i>	<i>2.25</i>	<i>4.438</i>	
February	<i>3.75</i>	<i>8.38</i>	<i>2.50</i>	<i>2.25</i>	<i>3.00</i>	<i>2.88</i>	<i>6.50</i>	<i>1.13</i>	<i>8.75</i>	<i>2.38</i>	<i>4.152</i>	
March	<i>1.88</i>	<i>5.50</i>	<i>3.00</i>	<i>5.75</i>	<i>6.50</i>	<i>1.87</i>	<i>6.75</i>	<i>6.87</i>	<i>13.75</i>	<i>7.37</i>	<i>5.924</i>	
April	<i>2.50</i>	<i>1.75</i>	<i>5.50</i>	<i>1.50</i>	<i>2.25</i>	<i>4.88</i>	<i>5.50</i>	<i>1.88</i>	<i>5.87</i>	<i>6.25</i>	<i>3.788</i>	
May	<i>2.37</i>	<i>5.25</i>	<i>5.25</i>	<i>1.50</i>	<i>1.75</i>	<i>1.87</i>	<i>3.87</i>	<i>3.00</i>	<i>8.13</i>	<i>3.13</i>	<i>3.612</i>	
June	<i>2.37</i>	<i>4.00</i>	<i>5.75</i>	<i>4.00</i>	<i>1.25</i>	<i>1.50</i>	<i>1.75</i>	<i>1.75</i>	<i>11.62</i>	<i>2.25</i>	<i>3.624</i>	
July	<i>6.00</i>	<i>3.50</i>	<i>3.75</i>	<i>7.25</i>	<i>6.88</i>	<i>1.25</i>	<i>4.25</i>	<i>.50</i>	<i>16.88</i>	<i>1.12</i>	<i>5.138</i>	
August	<i>1.63</i>	<i>11.75</i>	<i>6.75</i>	<i>4.75</i>	<i>3.00</i>	<i>2.00</i>	<i>1.13</i>	<i>.12</i>	<i>9.75</i>	<i>7.38</i>	<i>4.826</i>	
September	<i>8.00</i>	<i>9.25</i>	<i>4.00</i>	<i>7.25</i>	<i>3.75</i>	<i>3.13</i>	<i>2.75</i>	<i>10.75</i>	<i>5.37</i>	<i>5.37</i>	<i>5.962</i>	
October	<i>6.37</i>	<i>6.37</i>	<i>6.00</i>	<i>2.87</i>	<i>2.50</i>	<i>6.87</i>	<i>11.75</i>	<i>3.25</i>	<i>6.13</i>	<i>13.25</i>	<i>6.536</i>	
November	<i>2.75</i>	<i>10.38</i>	<i>5.63</i>	<i>1.63</i>	<i>1.38</i>	<i>3.00</i>	<i>4.50</i>	<i>5.13</i>	<i>12.37</i>	<i>3.38</i>	<i>5.015</i>	
December	<i>6.63</i>	<i>2.87</i>	<i>5.75</i>	<i>1.25</i>	<i>2.87</i>	<i>1.88</i>	<i>3.75</i>	<i>8.25</i>	<i>10.88</i>	<i>2.37</i>	<i>4.650</i>	
TOTALS	<i>45.75</i>	<i>72.75</i>	<i>55.13</i>	<i>44.13</i>	<i>45.00</i>	<i>33.13</i>	<i>59.75</i>	<i>46.38</i>	<i>118.13?</i>	<i>56.50</i>	<i>57.665?</i>	

Kirknewton Church 4½ miles N.
1885 New gauge supplied by Casella at end of November
1888 Amount very large

N.B. annual values rejected from Survey Map, 1929.

RAINFALL AT *Wooler, Milfield*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

G. A. Gray, Esq.

Tweed 6

Diameter	<i>5</i>											
Height	<i>8</i>						<i>4</i>		<i>6</i>			
Altitude	<i>200 ft</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.09</i>	<i>1.05</i>	<i>.58</i>	<i>1.17</i>	<i>2.51</i>	<i>1.45</i>	<i>1.33</i>	<i>2.05</i>	<i>1.50</i>	<i>.80</i>		
February	<i>2.13</i>	<i>2.04</i>	<i>1.04</i>	<i>1.35</i>	<i>1.71</i>	<i>.78</i>		<i>.22</i>	<i>1.42</i>	<i>1.50</i>		
March	<i>1.00</i>	<i>2.38</i>	<i>1.81</i>	<i>2.29</i>	<i>1.97</i>	<i>1.07</i>	<i>4.50</i>	<i>1.95</i>	<i>3.40</i>	<i>2.82</i>		
April	<i>2.23</i>	<i>1.46</i>	<i>2.29</i>	<i>1.35</i>	<i>.92</i>	<i>2.61</i>		<i>1.27</i>	<i>2.38</i>	<i>2.11</i>		
May	<i>1.44</i>	<i>2.41</i>	<i>2.30</i>	<i>1.98</i>	<i>1.30</i>	<i>3.67</i>		<i>1.83</i>	<i>.86</i>	<i>1.40</i>		
June	<i>2.05</i>	<i>1.48</i>	<i>4.13</i>	<i>2.79</i>	<i>1.05</i>	<i>.69</i>		<i>.35</i>	<i>1.49</i>	<i>.50</i>		
July	<i>3.43</i>	<i>3.83</i>	<i>2.05</i>	<i>5.77</i>	<i>3.70</i>	<i>1.22</i>	<i>3.11</i>	<i>2.00</i>	<i>4.20</i>	<i>4.13</i>		
August	<i>.82</i>	<i>5.61</i>	<i>1.92</i>	<i>2.66</i>	<i>.49</i>	<i>2.20</i>	<i>.75</i>	<i>2.08</i>	<i>1.50</i>	<i>5.34</i>		
September	<i>4.72</i>	<i>4.34</i>	<i>1.21</i>	<i>3.44</i>	<i>2.73</i>	<i>2.02</i>	<i>1.45</i>	<i>1.44</i>	<i>1.90</i>	<i>1.82</i>		
October	<i>4.02</i>	<i>2.24</i>	<i>3.79</i>	<i>2.81</i>	<i>1.54</i>	<i>2.80</i>	<i>4.01</i>	<i>2.02</i>	<i>.70</i>	<i>4.44</i>		
November	<i>3.65</i>	<i>3.02</i>	<i>2.25</i>	<i>1.27</i>	<i>2.10</i>	<i>.86</i>	<i>3.70</i>	<i>3.67</i>	<i>6.48</i>	<i>.73</i>		
December	<i>3.12</i>	<i>1.70</i>	<i>4.62</i>	<i>1.29</i>	<i>1.98</i>	<i>.81</i>	<i>3.25</i>	<i>3.15</i>	<i>.80</i>	<i>1.28</i>		
TOTALS	<i>28.90</i>	<i>31.56</i>	<i>27.99</i>	<i>28.17</i>	<i>22.00</i>	<i>20.18</i>		<i>22.03</i>	<i>26.63</i>	<i>26.87</i>		

Kirknewton 3 miles S.W

Shrubs & flowers various heights W

RAINFALL AT *Pawston*

80

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

B. P. Selby, Esq.

Sweed 6

Diameter	<i>8</i>										
Height	<i>1.0</i>										
Altitude	<i>328 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.50</i>	<i>1.18</i>	<i>1.01</i>	<i>1.61</i>	<i>3.34</i>	<i>2.19</i>	<i>3.53</i>	<i>1.72</i>	<i>1.48</i>	<i>.92</i>	<i>1.748</i>
February	<i>2.22</i>	<i>2.45</i>	<i>1.76</i>	<i>1.96</i>	<i>2.02</i>	<i>1.15</i>	<i>.92</i>	<i>.47</i>	<i>1.52</i>	<i>1.51</i>	<i>1.598</i>
March	<i>2.01</i>	<i>1.92</i>	<i>2.22</i>	<i>2.72</i>	<i>2.47</i>	<i>1.89</i>	<i>3.86</i>	<i>1.94</i>	<i>3.70</i>	<i>3.87</i>	<i>2.660</i>
April	<i>2.05</i>	<i>1.55</i>	<i>3.97</i>	<i>1.77</i>	<i>1.08</i>	<i>3.02</i>	<i>1.79</i>	<i>1.12</i>	<i>1.57</i>	<i>3.91</i>	<i>2.183</i>
May	<i>1.72</i>	<i>2.32</i>	<i>2.53</i>	<i>1.94</i>	<i>2.01</i>	<i>4.00</i>	<i>3.34</i>	<i>1.83</i>	<i>.72</i>	<i>1.34</i>	<i>2.175</i>
June	<i>1.88</i>	<i>2.26</i>	<i>3.70</i>	<i>2.91</i>	<i>.94</i>	<i>.75</i>	<i>1.44</i>	<i>.44</i>	<i>2.58</i>	<i>.85</i>	<i>1.775</i>
July	<i>4.00</i>	<i>3.94</i>	<i>2.00</i>	<i>4.78</i>	<i>3.74</i>	<i>1.01</i>	<i>3.18</i>	<i>2.22</i>	<i>4.35</i>	<i>4.76</i>	<i>3.398</i>
August	<i>1.18</i>	<i>6.79</i>	<i>2.11</i>	<i>2.52</i>	<i>1.06</i>	<i>2.74</i>	<i>1.01</i>	<i>3.00</i>	<i>1.87</i>	<i>4.52</i>	<i>2.680</i>
September	<i>5.03</i>	<i>4.98</i>	<i>1.85</i>	<i>3.49</i>	<i>3.19</i>	<i>2.62</i>	<i>2.35</i>	<i>5.28</i>	<i>1.48</i>	<i>1.67</i>	<i>3.194</i>
October	<i>4.17</i>	<i>3.72</i>	<i>3.70</i>	<i>2.90</i>	<i>1.38</i>	<i>3.54</i>	<i>4.32</i>	<i>1.92</i>	<i>1.30</i>	<i>5.71</i>	<i>3.266</i>
November	<i>4.24</i>	<i>2.87</i>	<i>2.83</i>	<i>1.42</i>	<i>1.87</i>	<i>1.92</i>	<i>3.20</i>	<i>4.12</i>	<i>5.95</i>	<i>.71</i>	<i>2.913</i>
December	<i>3.35</i>	<i>1.76</i>	<i>5.62</i>	<i>1.38</i>	<i>2.30</i>	<i>.99</i>	<i>3.58</i>	<i>2.64</i>	<i>1.11</i>	<i>1.32</i>	<i>2.405</i>
TOTALS	<i>32.35</i>	<i>35.74</i>	<i>33.30</i>	<i>29.40</i>	<i>25.40</i>	<i>25.82</i>	<i>32.52</i>	<i>26.70</i>	<i>27.63</i>	<i>31.09</i>	<i>29.995</i>

Kirknewton 4 1/2 miles S.E.

Trees 6ft high 10ft E, W. and N