

RAINFALL AT *Leyton Observatory* 80

Lat. Lon. County of *Essex*
 Rain Gauge, by Observer *C. G. Tatnidge, Esq.*

Sea-1.

Diameter	<i>8</i>										
Height	<i>1.0</i>	<i>1.3</i>									
Altitude	<i>97B</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.95</i>	<i>.91</i>	<i>1.48</i>		<i>2.29</i>	<i>1.30</i>	<i>3.24</i>				
February	<i>1.65</i>	<i>2.41</i>	<i>.39</i>		<i>1.32</i>	<i>1.85</i>					
March	<i>.54</i>	<i>2.37</i>	<i>1.95</i>	<i>.72</i>	<i>1.27</i>	<i>1.42</i>					
April	<i>2.86</i>	<i>.52</i>	<i>2.93</i>	<i>1.78</i>	<i>.60</i>	<i>1.97</i>					
May	<i>.01</i>	<i>1.51</i>	<i>.74</i>	<i>1.98</i>	<i>.59</i>	<i>2.86</i>					
June	<i>3.12</i>	<i>2.27</i>	<i>.49</i>	<i>1.56</i>	<i>2.10</i>	<i>1.70</i>					
July	<i>4.43</i>	<i>1.65</i>	<i>3.65</i>	<i>3.01</i>	<i>1.97</i>	<i>.55</i>					
August	<i>.44</i>	<i>2.63</i>	<i>1.12</i>	<i>1.14</i>	<i>.67</i>	<i>1.71</i>					
September	<i>4.05</i>	<i>2.88</i>	<i>3.25</i>	<i>4.61</i>	<i>1.90</i>	<i>4.40</i>					
October	<i>6.69</i>	<i>3.15</i>	<i>5.56</i>	<i>1.96</i>	<i>.83</i>	<i>3.12</i>					
November	<i>1.83</i>	<i>2.77</i>	<i>2.78</i>	<i>3.27</i>	<i>1.53</i>	<i>2.90</i>					
December	<i>3.32</i>	<i>3.06</i>	<i>2.10</i>	<i>.98</i>	<i>2.87</i>	<i>.68</i>					
TOTALS	<i>29.89</i>	<i>26.13</i>	<i>26.44</i>		<i>17.94</i>	<i>24.46</i>					

1880. Leyton Church, 1 mile, S.E.

Observatory 22ft-high 120ft-NE

1884 March 8th new gauge fixed.

Weighted average (London Survey) = 23.4.

RAINFALL AT *Walthamstow Prospect Hill Lodge*

80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *J. E. Goodchild, Esq.*

Sea - 1.

Diameter			<i>5</i>								
Height			<i>1. 2</i>								
Altitude			<i>1407</i>								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>28</i>	<i>.96</i>	<i>1.37</i>	<i>2.30</i>	<i>2.23</i>	<i>1.22</i>					
February	<i>1.88</i>	<i>3.07</i>	<i>.70</i>	<i>3.37</i>	<i>1.62</i>	<i>3.07</i>					
March	<i>.84</i>	<i>2.27</i>	<i>1.54</i>	<i>.89</i>	<i>1.43</i>	<i>1.55</i>					
April	<i>1.52</i>	<i>.56</i>	<i>2.48</i>	<i>1.58</i>	<i>1.25</i>	<i>2.12</i>					
May	<i>.27</i>	<i>1.29</i>	<i>1.35</i>	<i>1.73</i>	<i>.54</i>	<i>3.11</i>					
June	<i>1.80</i>	<i>2.09</i>	<i>2.44</i>	<i>1.66</i>	<i>2.21</i>	<i>1.63</i>					
July	<i>5.00</i>	<i>1.81</i>	<i>3.05</i>	<i>2.57</i>	<i>2.53</i>	<i>.82</i>					
August	<i>1.07</i>	<i>4.51</i>	<i>1.08</i>	<i>1.09</i>	<i>.92</i>	<i>1.80</i>					
September	<i>2.21</i>	<i>2.14</i>	<i>2.92</i>	<i>4.19</i>	<i>1.82</i>	<i>4.37</i>					
October	<i>6.05</i>	<i>2.94</i>	<i>5.14</i>	<i>2.14</i>	<i>.96</i>	<i>3.58</i>					
November	<i>1.94</i>	<i>2.65</i>	<i>2.58</i>	<i>3.10</i>	<i>1.18</i>	<i>3.24</i>					
December	<i>3.15</i>	<i>2.97</i>	<i>2.14</i>	<i>1.30</i>	<i>3.65</i>	<i>1.21</i>					
TOTALS	<i>26.01</i>	<i>27.26</i>	<i>26.79</i>	<i>25.86</i>	<i>20.34</i>	<i>27.72</i>					

*1882 St. Mary's Walthamstow 400 yards SW.
Shrubs 3ft 6 in. 5ft 11 in*

Weighted average (London Survey) = 25.3.

RAINFALL AT *Woodford, Haggan Lane*, 80

Lat.

Lon. County of *Essex*

Rain Gauge, by

Observer *W. B. Bryan Esq. C.E.*

Sea - 1.

Diameter					8						
Height					1.0						
Altitude					176 \uparrow						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					2.16	1.14	3.48	1.10	.78	.80	
February					1.17	2.50	.47	.38	.62	1.39	
March					1.22	1.43	1.15	1.53	2.76	1.30	
April					1.10	1.74	1.08	1.08	1.96	1.50	
May .....					.60	2.75	3.69	1.48	.94	4.02	
June					1.90	1.49	.29	.71	2.94	2.73	
July					2.40	.57	2.27	.75	4.48	1.65	
August .....					.84	1.65	.64	1.54	4.13	1.52	
September					1.66	4.25	1.23	1.64	.68	1.73	
October ....					.80	3.12	2.00	.75	1.10	3.50	
November					1.37	2.76	2.65	2.96	4.00	.70	
December					2.69	.80	3.56	1.23	1.07	1.26	
TOTALS					17.91	24.20	22.51	15.15	25.46	22.10	

Annual average rejected from London Survey as 1' too.

RAINFALL AT *Gunpowder Factory Waltham Abbey*

80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *The Superintendent*

Leaf 1.

Diameter	<i>8</i>									<i>5</i>	
Height	<i>4.0</i>									<i>1.6</i>	
Altitude	<i>62 L</i>							<i>70</i>			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.59</i>	<i>.94</i>	<i>1.16</i>	<i>1.84</i>	<i>2.12</i>	<i>1.50</i>	<i>2.25</i>	<i>(1.27)</i> <i>.77</i>	<i>.83</i>	<i>.51</i>	<i>1.251</i>
February	<i>2.19</i>	<i>3.13</i>	<i>.85</i>	<i>3.10</i>	<i>1.13</i>	<i>2.48</i>	<i>.29</i>	<i>.34</i>	<i>.74</i>	<i>1.26</i>	<i>1.551</i>
March	<i>.98</i>	<i>2.00</i>	<i>1.35</i>	<i>1.26</i>	<i>1.52</i>	<i>1.29</i>	<i>1.32</i>	<i>1.03</i>	<i>3.37</i>	<i>1.60</i>	<i>1.566</i>
April	<i>2.21</i>	<i>1.14</i>	<i>2.71</i>	<i>1.81</i>	<i>.87</i>	<i>2.00</i>	<i>.95</i>	<i>1.16</i>	<i>2.39</i>	<i>1.75</i>	<i>1.699</i>
May	<i>.35</i>	<i>.86</i>	<i>1.21</i>	<i>1.31</i>	<i>.51</i>	<i>3.37</i>	<i>4.24</i>	<i>1.72</i>	<i>1.18</i>	<i>3.53</i>	<i>1.828</i>
June	<i>3.37</i>	<i>1.80</i>	<i>2.03</i>	<i>2.15</i>	<i>1.55</i>	<i>1.49</i>	<i>.37</i>	<i>.67</i>	<i>2.45</i>	<i>2.11</i>	<i>1.799</i>
July	<i>4.41</i>	<i>2.06</i>	<i>1.47</i>	<i>2.35</i>	<i>1.99</i>	<i>.43</i>	<i>2.23</i>	<i>.85</i>	<i>5.01</i>	<i>2.68</i>	<i>2.352</i>
August	<i>.60</i>	<i>4.13</i>	<i>1.57</i>	<i>1.14</i>	<i>1.07</i>	<i>2.00</i>	<i>.70</i>	<i>2.50</i>	<i>4.40</i>	<i>2.79</i>	<i>2.040</i>
September	<i>3.36</i>	<i>1.92</i>	<i>2.66</i>	<i>2.80</i>	<i>1.38</i>	<i>3.57</i>	<i>1.15</i>	<i>2.41</i>	<i>.80</i>	<i>1.44</i>	<i>2.149</i>
October	<i>5.21</i>	<i>2.50</i>	<i>5.08</i>	<i>1.70</i>	<i>1.06</i>	<i>3.74</i>	<i>2.36</i>	<i>1.59</i>	<i>1.32</i>	<i>4.60</i>	<i>2.916</i>
November	<i>2.12</i>	<i>2.55</i>	<i>2.38</i>	<i>2.61</i>	<i>1.63</i>	<i>2.76</i>	<i>3.25</i>	<i>3.24</i>	<i>3.00</i>	<i>.84</i>	<i>2.438</i>
December	<i>3.22</i>	<i>3.50</i>	<i>2.68</i>	<i>.77</i>	<i>2.68</i>	<i>.83</i>	<i>3.53</i>	<i>1.17</i>	<i>1.29</i>	<i>.52</i>	<i>2.019</i>
TOTALS	<i>28.61</i>	<i>26.53</i>	<i>25.15</i>	<i>22.82</i>	<i>17.51</i>	<i>25.46</i>	<i>22.64</i>	<i>(11.95)</i> <i>(17.45)</i>	<i>26.78</i>	<i>23.63</i>	<i>23.688</i>

1880. Waltham Holy Cross, 1/2 mile S.E.

Trees 5ft? high 6ft distant all round

1881 " 12ft " 60ft " " "

1886 " 20ft " " " "

*1887 Record imperfect. Snow in Jan'y not measured.
150 in added. Snow map. 1x11.*

RAINFALL AT *Moor Hall, Harlow* 80

Lat. _____ Lon. _____ County of *Essex*
Rain Gauge, by _____ Observer *Mr Huntley*

Sea - 1.

Mr W Mont

Diameter	<i>8</i>										
Height	<i>1.6</i>										
Altitude	<i>273 N</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.25</i>	<i>1.38</i>	<i>.97</i>	<i>1.72</i>	<i>2.03</i>	<i>1.44</i>	<i>3.03</i>			<i>1.65</i>	
February	<i>1.92</i>	<i>4.06</i>	<i>1.01</i>	<i>3.49</i>	<i>1.30</i>	<i>2.38</i>	<i>.28</i>			<i>1.82</i>	
March	<i>.95</i>	<i>1.86</i>	<i>1.23</i>	<i>1.02</i>	<i>1.46</i>	<i>1.17</i>	<i>1.14</i>			<i>1.54</i>	
April	<i>2.09</i>	<i>.71</i>	<i>2.48</i>	<i>1.72</i>	<i>1.13</i>	<i>1.74</i>	<i>1.38</i>			<i>1.62</i>	
May	<i>.57</i>	<i>.85</i>	<i>1.12</i>	<i>1.44</i>	<i>.34</i>	<i>3.28</i>	<i>3.50</i>			<i>4.08</i>	
June	<i>1.55</i>	<i>1.61</i>	<i>2.82</i>	<i>2.06</i>	<i>2.13</i>	<i>1.97</i>	<i>.29</i>	<i>#</i>	<i>2.89</i>	<i>1.36</i>	
July	<i>4.65</i>	<i>1.70</i>	<i>1.65</i>	<i>2.15</i>	<i>1.98</i>	<i>.56</i>	<i>2.17</i>		<i>4.66</i>	<i>1.83</i>	
August	<i>1.67</i>	<i>4.20</i>	<i>1.27</i>	<i>1.01</i>	<i>.81</i>	<i>1.13</i>	<i>.90</i>	<i>#</i>	<i>4.90</i>	<i>2.48</i>	
September	<i>3.54</i>	<i>2.01</i>	<i>2.85</i>	<i>2.84</i>	<i>1.46</i>	<i>4.09</i>			<i>.96</i>	<i>2.83</i>	
October	<i>4.92</i>	<i>2.88</i>	<i>5.10</i>	<i>1.71</i>	<i>1.28</i>	<i>3.97</i>			<i>1.21</i>	<i>3.88</i>	
November	<i>2.08</i>	<i>2.46</i>	<i>2.96</i>	<i>2.60</i>	<i>1.91</i>	<i>2.62</i>			<i>4.12</i>	<i>1.02</i>	
December	<i>2.82</i>	<i>3.09</i>	<i>2.66</i>	<i>.97</i>	<i>2.42</i>	<i>.93</i>			<i>1.27</i>	<i>1.51</i>	
TOTALS	<i>27.01</i>	<i>26.81</i>	<i>26.12</i>	<i>22.73</i>	<i>18.25</i>	<i>25.28</i>				<i>25.62</i>	

1880. St Mary's, 1/2 mile. W.

RAINFALL AT *Sheering, Harlow*

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *Per E. Hill*

Lea - 1.

Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude	<i>214 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.23</i>	<i>1.37</i>	<i>1.03</i>	<i>1.57</i>	<i>2.03</i>	<i>1.48</i>	<i>2.69</i>	<i>1.25</i>	<i>.82</i>	<i>.61</i>	<i>1.308</i>
February	<i>2.00</i>	<i>3.38</i>	<i>1.12</i>	<i>3.55</i>	<i>1.16</i>	<i>2.49</i>	<i>.18</i>	<i>.56</i>	<i>.76</i>	<i>1.90</i>	<i>1.710</i>
March	<i>1.01</i>	<i>1.93</i>	<i>1.49</i>	<i>1.00</i>	<i>1.46</i>	<i>1.11</i>	<i>1.35</i>	<i>1.16</i>	<i>3.21</i>	<i>1.41</i>	<i>1.513</i>
April	<i>2.13</i>	<i>.86</i>	<i>2.80</i>	<i>1.84</i>	<i>1.16</i>	<i>1.77</i>	<i>1.65</i>	<i>1.08</i>	<i>1.82</i>	<i>1.92</i>	<i>1.703</i>
May	<i>.53</i>	<i>.91</i>	<i>1.20</i>	<i>1.47</i>	<i>.52</i>	<i>3.61</i>	<i>3.56</i>	<i>2.44</i>	<i>.99</i>	<i>3.89</i>	<i>1.912</i>
June	<i>1.78</i>	<i>1.71</i>	<i>2.50</i>	<i>2.69</i>	<i>1.67</i>	<i>1.82</i>	<i>.35</i>	<i>.50</i>	<i>3.00</i>	<i>1.35</i>	<i>1.737</i>
July	<i>4.17</i>	<i>1.77</i>	<i>1.78</i>	<i>2.14</i>	<i>2.04</i>	<i>.38</i>	<i>2.09</i>	<i>.86</i>	<i>3.61</i>	<i>1.88</i>	<i>2.072</i>
August	<i>.98</i>	<i>4.89</i>	<i>1.37</i>	<i>1.12</i>	<i>.95</i>	<i>1.06</i>	<i>1.14</i>	<i>1.55</i>	<i>4.13</i>	<i>2.42</i>	<i>1.961</i>
September	<i>4.54</i>	<i>2.16</i>	<i>2.56</i>	<i>2.52</i>	<i>1.59</i>	<i>3.71</i>	<i>1.08</i>	<i>3.07</i>	<i>.91</i>	<i>2.85</i>	<i>2.539</i>
October	<i>4.68</i>	<i>2.68</i>	<i>5.04</i>	<i>1.91</i>	<i>1.63</i>	<i>3.82</i>	<i>3.09</i>	<i>1.66</i>	<i>1.08</i>	<i>3.59</i>	<i>2.908</i>
November	<i>2.18</i>	<i>2.59</i>	<i>3.21</i>	<i>2.52</i>	<i>1.93</i>	<i>2.78</i>	<i>2.97</i>	<i>3.36</i>	<i>4.65</i>	<i>.93</i>	<i>2.712</i>
December	<i>2.83</i>	<i>3.31</i>	<i>2.82</i>	<i>.76</i>	<i>2.09</i>	<i>.89</i>	<i>3.09</i>	<i>1.17</i>	<i>.83</i>	<i>1.21</i>	<i>1.900</i>
TOTALS	<i>26.96</i>	<i>27.56</i>	<i>26.92</i>	<i>23.49</i>	<i>18.23</i>	<i>24.92</i>	<i>23.24</i>	<i>18.66</i>	<i>25.81</i>	<i>23.96</i>	<i>23.975</i>

1882 Sheering Church, close, N. 100 yards

Chestnut Tree 40 ft high 70 ft NE

Shrub 9 ft " 12 ft SE

RAINFALL AT *Birchanger [Bps. Stortford]*

80

Lat. Lon. County of *Essex*
 Rain Gauge, by Observer *F. Rowden*

See - 1.

Diameter									8		
Height									11		
Altitude									329T		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....										.69	
February										1.55	
March										1.50	
April										2.38	
May										3.55	
June										1.31	
July										2.91	
August										1.99	
September....									# 1.06	2.01	
October ....									.88	3.64	
November									3.46	.95	
December									1.32	1.41	
TOTALS										23.89	

St. Mary's Church 149 ft. S.W.

House 35 ft high 35 ft. S.W.

Tree 32 " " 49 " NE

RAINFALL AT *Bishops Stortford, Stansfield*

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer. *Harford Green Esq.*

Sea - 1.

Diameter	<i>5</i>			<i>5</i>							
Height	<i>1.0</i>										
Altitude	<i>240 T</i>			<i>240</i>							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.00</i>	<i>1.32</i>	<i>2.30</i>	<i>1.69</i>	<i>2.74</i>						
February	<i>2.53</i>	<i>2.28</i>	<i>1.50</i>	<i>3.73</i>	<i>1.39</i>						
March	<i>.73</i>	<i>1.75</i>	<i>1.52</i>	<i>1.73</i>	<i>.98</i>						
April	<i>2.39</i>	<i>.89</i>	<i>2.81</i>	<i>2.28</i>	<i>1.16</i>						
May	<i>.35</i>	<i>1.28</i>	<i>1.59</i>	<i>1.38</i>	<i>.24</i>						
June	<i>2.50</i>	<i>1.86</i>	<i>3.49</i>	<i>2.58</i>	<i>2.07</i>						
July	<i>4.63</i>	<i>1.71</i>	<i>2.35</i>	<i>2.80</i>	<i>1.60</i>						
August	<i>2.07</i>	<i>5.01</i>	<i>1.62</i>	<i>1.38</i>	<i>.97</i>						
September	<i>3.79</i>	<i>2.71</i>	<i>3.17</i>	<i>3.21</i>	<i>1.04</i>						
October	<i>4.00</i>	<i>2.93</i>	<i>5.69</i>	<i>2.26</i>							
November	<i>2.15</i>	<i>2.39</i>	<i>3.23</i>	<i>2.94</i>							
December	<i>2.94</i>	<i>3.67</i>	<i>2.58</i>	<i>.76</i>							
TOTALS	<i>28.08</i>	<i>27.80</i>	<i>31.85</i>	<i>26.74</i>							

1880. Stansfield Ch. 1 mile, E. or W

1883 Gauge. moved about 300 yards SE during May

RAINFALL AT

Canning Town, [London]

Lat.

Lon.

County of ...

Rain Gauge, by ...

Observer ...

Essex
Lewis, Angell, Eng. C. E.

Reading - 2.

Diameter	<i>2 1/4</i>				<i>6</i>							
Height	<i>31.6</i>				<i>14.6</i>							
Altitude	<i>30</i>	<i>40</i>			<i>23</i>							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.33</i>	<i>.42</i>	<i>.98</i>	<i>1.34</i>	<i>1.67</i>	<i>.97</i>	<i>2.97</i>					
February	<i>1.67</i>	<i>1.98</i>	<i>.63</i>	<i>2.34</i>	<i>.89</i>	<i>2.08</i>	<i>.47</i>					
March	<i>.21</i>	<i>1.62</i>	<i>1.05</i>	<i>.41</i>	<i>1.05</i>	<i>1.33</i>	<i>.87</i>					
April	<i>2.05</i>	<i>.51</i>	<i>1.82</i>	<i>1.33</i>	<i>.99</i>	<i>1.84</i>	<i>1.08</i>					
May	<i>.27</i>	<i>1.52</i>	<i>1.38</i>	<i>1.49</i>	<i>.63</i>	<i>1.58</i>	<i>3.65</i>					
June	<i>3.78</i>	<i>1.66</i>	<i>1.61</i>	<i>1.20</i>	<i>2.21</i>	<i>1.70</i>	<i>.56</i>					
July	<i>4.24</i>	<i>1.67</i>	<i>2.30</i>	<i>2.32</i>	<i>2.12</i>	<i>.63</i>	<i>2.27</i>					
August	<i>.57</i>	<i>3.63</i>	<i>.87</i>	<i>.43</i>	<i>.69</i>	<i>1.30</i>	<i>.90</i>					
September	<i>3.38</i>	<i>1.74</i>	<i>2.32</i>	<i>3.04</i>	<i>1.17</i>	<i>3.39</i>	<i>.92</i>					
October	<i>4.82</i>	<i>2.43</i>	<i>4.37</i>	<i>1.32</i>	<i>.63</i>	<i>2.72</i>	<i>1.56</i>					
November	<i>1.53</i>	<i>1.93</i>	<i>1.77</i>	<i>2.19</i>	<i>1.05</i>	<i>2.43</i>	<i>2.32</i>					
December	<i>2.58</i>	<i>1.91</i>	<i>1.51</i>	<i>.46</i>	<i>1.86</i>	<i>.80</i>	<i>2.77</i>					
TOTALS	<i>25.15</i>	<i>21.02</i>	<i>20.61</i>	<i>17.87</i>	<i>14.96</i>	<i>20.77</i>	<i>20.34</i>					

1880. West Ham, 2340 yds. N.

1884 Shaft 110ft high 62ft N.E.

Annual Average (London Survey) Rejected as 3" less.

RAINFALL AT *Pomford North Ockendon* 80

Lat. Lon. County of *Essex*
 Rain Gauge, by Observer *Rev R T Crawley*

Rodney &c - 2.

Diameter		5									
Height		1.2						1.6	1.3		
Altitude			100T								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....	.26	1.07	1.11	1.91	1.68	1.06	3.59	1.19	.78	.62	1.327
February....	1.66	2.62	.96	2.61	1.22	2.29	.48	.40	1.39	2.04	1.567
March .....	.28	1.48	1.13	.45	1.27	1.31	.97	1.26	2.44	1.22	1.181
April	1.76	.74	2.19	1.67	1.04	1.91	1.23	1.48	1.19	2.10	1.531
May .....	.18	1.42	1.06	1.86	.46	2.14	3.40	1.67	.88	2.57	1.564
June	3.24	1.95	2.63	1.41	1.13	1.22	.50	.52	2.28	1.95	1.683
July	3.77	2.08	2.41	2.42	1.61	.29	3.23	1.35	5.69	2.33	2.518
August	1.11	3.42	1.43	.58	.71	1.41	1.07	1.52	(6.44)	2.31	(2.000)
September....	3.11	1.78	2.39	2.67	2.24	3.52	.83	1.69	.90	5.30	2.443
October	8.41	2.43	5.49	2.33	1.17	3.49	1.84	1.23	1.30	4.33	3.202
November....	2.07	2.05	2.47	2.87	.63	2.80	2.44	3.13	4.47	.83	2.376
December	3.11	2.30	2.02	.66	2.23	1.00	2.44	1.34	.77	1.34	1.721
TOTALS	28.96	23.34	25.29	21.44	15.39	22.44	22.02	16.78	(28.53)	26.94	(23.113)

1881. *N. Ockenden* 50 yards S.W.
 1888 Gauge overflowed on Aug 1st. after recording 4.56 in.

RAINFALL AT *Barking Toppard Hall*

80

Lat.

Lon. County of *Esex*

Rain Gauge, by

Observer *Mr J. Douglas*

Roding - 2.

Diameter	5										
Height	1. -										
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	32	94	1.39	1.67							
February	1.96	2.46	1.10	2.73							
March	42	1.83	1.12	70							
April	2.10	.58	2.44								
May	47	1.34	1.49								
June	4.18	2.05	2.35								
July	4.77	1.80	2.93								
August	91	3.67	1.16								
September....	3.21	1.58	2.84								
October	6.72	2.51	4.72								
November....	2.03	2.25	2.10								
December	2.82	2.61	2.07								
TOTALS	29.91	23.62	25.71								

St Margaret's Church 1 mile S.W.

Annual average (London Survey) = 22.6. Period too short for consideration.

RAINFALL AT *Barking Little Ilford* 80

Lat. Lon. County of *Essex*
 Rain Gauge, by Observer *Rev. A. Shadwell*

Dodging - 2.

Diameter		<i>10</i>										
Height		<i>1.0</i>										
Altitude		<i>30T</i>						<i>27T</i>				
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January... ..		<i>1.05</i>	<i>1.24</i>	<i>1.57</i>	<i>1.79</i>	<i>1.22</i>	<i>2.81</i>	<i>1.08</i>	<i>.80</i>			
February		<i>1.82</i>	<i>.92</i>	<i>2.69</i>	<i>.99</i>	<i>2.11</i>	<i>.43</i>	<i>.46</i>	<i>.84</i>			
March		<i>1.78</i>	<i>1.01</i>	<i>.59</i>	<i>1.45</i>	<i>1.14</i>	<i>.88</i>	<i>1.21</i>	<i>2.52</i>			
April		<i>.54</i>	<i>2.39</i>	<i>1.54</i>	<i>1.08</i>	<i>1.74</i>	<i>1.09</i>	<i>1.61</i>	<i>2.03</i>			
May		<i>1.49</i>	<i>1.53</i>	<i>1.58</i>	<i>.53</i>	<i>1.96</i>	<i>3.99</i>	<i>1.78</i>	<i>.73</i>			
June		<i>1.89</i>	<i>2.09</i>	<i>1.92</i>	<i>2.41</i>	<i>1.50</i>	<i>.32</i>	<i>.86</i>	<i>3.55</i>			
July		<i>1.70</i>	<i>2.86</i>	<i>2.16</i>	<i>2.58</i>	<i>.57</i>	<i>2.35</i>	<i>.61</i>	<i>6.19</i>			
August		<i>3.54</i>	<i>1.31</i>	<i>.42</i>	<i>.81</i>	<i>1.67</i>	<i>.59</i>	<i>1.78</i>	<i>4.31</i>			
September....		<i>1.43</i>	<i>3.12</i>	<i>2.96</i>	<i>1.49</i>	<i>4.18</i>	<i>1.11</i>	<i>2.02</i>	<i>.64</i>			
October		<i>2.28</i>	<i>4.18</i>	<i>1.13</i>	<i>.97</i>	<i>3.45</i>	<i>1.91</i>	<i>1.09</i>	<i>1.23</i>			
November....		<i>2.06</i>	<i>2.14</i>	<i>2.60</i>	<i>.89</i>	<i>2.67</i>	<i>2.71</i>	<i>3.53</i>	<i>4.28</i>			
December		<i>2.03</i>	<i>1.94</i>	<i>.71</i>	<i>2.39</i>	<i>.87</i>	<i>2.70</i>	<i>1.20</i>	<i>.84</i>			
TOTALS		<i>21.61</i>	<i>24.73</i>	<i>19.87</i>	<i>17.38</i>	<i>23.08</i>	<i>20.89</i>	<i>17.23</i>	<i>27.96</i>			

1881. St. Mary's, Little Ilford, ¹⁰⁰50 yards
Trees 25ft high 30ft E+W
1889 Record imperfect not sent

Annual average (London Survey) = 21.5.

RAINFALL AT Romford Upminster Hall

80

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

G. P. Hope Esq.

Roding +c-2.

Diameter									5		
Height									10	1.0	
Altitude									140?	120	
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....									.98	.35	
February									1.22	2.26	
March									2.38	1.53	
April									1.42	1.91	
May									1.26	3.03	
June									2.51	1.96	
July									5.79	2.17	
August									(6.58)	1.82	
September....								#	.79	.82	5.44
October									1.65	1.38	4.32
November									2.33	4.27	1.07
December									2.47	1.54	1.50
TOTALS									(30.15)	27.36	

Upminster Church 7/8 mile S. by W.

1888 Aug 1 Gauge overflowed.

RAINFALL AT Romford Normanhurst

80

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

E. C. Allam, Esq., C.E.

Reading - 2.

Diameter		8										
Height		1.6						2.0				
Altitude		93 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January....		1.43	1.20	1.38	1.60	1.07	3.43	1.06				
February		2.74	.03	2.63	1.06	2.30	.53	.38				
March		1.24	.90	.47	1.38	1.30	.92	2.55				
April .....		.55	1.96	1.43	1.21	2.04	.96	1.40				
May		1.07	1.72	1.63	.50	2.15	3.10					
June		1.50	2.35	1.28	1.65	.41	.83	1.81				
July		1.84	2.65	3.08	1.19	.40	1.75	.30				
August		3.63	1.68	2.30	.83	1.33	1.25	.75				
September....		1.51	2.51	3.20	1.76	3.41		.15				
October		2.26	5.08	1.50	1.00	3.55	2.94					
November....		2.05	2.20	2.48	1.09	2.70	4.44	3.75				
December		2.44	2.79	.62	2.40	.73	3.22	1.37				
TOTALS		22.26	25.07	22.00	15.67	21.39	23.37	13.52				

1881. Romford 33 chains W.S.W.

Fence 6ft high 13ft N.

1887 July Aug & Sept? each 1 inch too small

RAINFALL AT Ilford Great Gearies

80

Lat.

Lon. County of Essex

Rain Gauge, by Observer Mr J Douglas

Roding - 2.

Diameter					5						
Height					1.0						
Altitude					120						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...					1.97	1.26	2.87	1.18	1.00	.65	
February ...					1.09	2.63	.53	0.50	.83	2.14	
March					1.28	1.29	1.15	2.29	2.98	1.36	
April				#	1.66	1.04	1.64	1.14	1.50	2.29	2.06
May					1.43	.76	2.86	4.43	1.95	.99	3.14
June					1.86	2.20	1.62	.36	.59	3.78	1.39
July					2.92	2.30	1.10	2.70	1.78	5.40	3.13
August .....					.87	.73	1.26	.95	2.04	4.39	1.00
September....					3.20	1.08	4.17	1.25	2.35	.73	2.44
October					1.81	1.13	3.27	2.03	1.26	1.02	2.36
November....					3.00	1.33	2.63	2.69	3.16	4.81	.65
December ....					.82	2.85	.74	3.54	1.47	1.03	1.18
TOTALS					22.67 1757	17.76	24.47	23.64	20.07	29.25	21.50

1884 Barking Side Church 400 yards N
barnhouse 9ft high 20ft S

RAINFALL AT

The Harb, Woodford

80

Lat.

Lon.

County of Essex

Rain Gauge, by

Observer. Miss Spicer

Roding - 2.

Diameter	5										
Height	3.0						3.6				
Altitude	200T			203T							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.50	1.14	1.28	2.01	2.42	1.38	3.81	1.23	.92	.87	1.556
February	2.00	3.35	.60	3.22	1.32	2.71	.57	.57	.99	2.15	1.748
March .....	.43	2.20	1.56	1.14	1.50	1.45	1.38	1.51	3.27	1.60	1.604
April	2.42	.55	2.60	1.88	1.23	1.90	1.46	1.21	2.72	1.86	1.783
May .....	.13	1.74	1.51	1.67	.74	3.23	4.15	2.03	1.12	4.36	2.068
June	3.42	1.95	2.82	1.55	1.98	1.46	.50	.66	3.02	2.68	2.048
July	4.85	1.94	3.00	2.88	3.29	.72	2.79	1.03	5.32	2.20	2.802
August .....	.81	4.23	1.55	1.02	1.09	1.55	1.00	1.72	4.52	2.28	1.977
September	3.07	1.89	2.68	3.69	1.70	4.88	1.40	2.16	.92	2.55	2.494
October	5.77	2.58	5.35	2.15	.89	3.79	2.74	1.41	1.39	3.77	2.984
November	1.93	2.80	2.61	3.13	2.00	3.14	3.00	3.09	4.82	.82	2.734
December	3.23	3.16	2.76	1.00	3.13	.92	3.50	1.38	1.25	1.42	2.175
TOTALS	28.56	27.53	28.32	25.78	21.29	27.13	26.30	18.00	30.26	26.56	25.973

RAINFALL AT *Chigwell Row*

80

Lat. Lon. County of *Essex*
 Rain Gauge, by Observer *The Meteor. Council*

Reading - 2.

Diameter		<i>8</i>									
Height		<i>1. 0</i>									
Altitude		<i>188</i>									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.28</i>	<i>.90</i>									
February	<i>1.83</i>	<i>2.95</i>									
March	<i>.64</i>	<i>2.07</i>									
April	<i>2.00</i>	<i>.79</i>									
May	<i>.36</i>	<i>1.14</i>									
June	<i>4.23</i>	<i>2.05</i>									
July	<i>4.96</i>	<i>2.12</i>									
August	<i>(1.00)</i>	<i>4.13</i>									
September	<i>3.62</i>	<i>2.05</i>									
October	<i>6.04</i>	<i>2.51</i>									
November	<i>1.92</i>	<i>2.34</i>									
December	<i>3.02</i>	<i>2.92</i>									
TOTALS	<i>(29.90)</i>	<i>25.97</i>									

*

** Aug. rough est. (See book x. 11)*

RAINFALL AT Buckhurst Hill The Elm

80

Lat. Lon. County of Essex

Rain Gauge, by Observer F W Cory, Esq

Reading - 2.

Diameter		8									
Height		0.10									
Altitude		228B									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January....		.78	1.21	1.83	2.26						
February....		3.40	1.04	3.08	1.30						
March		2.04	1.23	.90	1.46						
April .....		.73	2.61	1.71	1.10						
May		1.43	1.23	1.52	#						
June		1.73	1.98	1.53							
July		2.04	2.57	3.30							
August		3.97	1.62	.92							
September....		2.01	2.11	3.00							
October		2.32	4.77	1.91							
November....		2.48	2.40	2.95							
December		2.87	2.50	1.04							
TOTALS		25.80	25.27	24.09							

1881. SE. Johns , 566 yards , N 27 W (magnetic)
Laurel hedge 6ft high 15ft WNW

RAINFALL AT Sawyer's Hall Farm, Orcutt wood 80

Lat.

Lon. County of Essex

Rain Gauge, by

Observer Rogers Field Esq., C.E.

Rodding - 2.

Diameter	5											
Height	1.0											
Altitude	270 T											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.67	1.29	1.02	1.74	2.15	1.26	3.58	1.59	1.00	.86	1.516	
February	2.80	3.16	1.15	2.68	1.17	3.15	.66	.50	1.76	1.93	1.896	
March .....	.49	2.10	1.31	.69	1.62	1.72	1.38	1.68	2.40	2.43	1.582	
April	2.15	.60	2.40	1.69	.97	1.90	1.10	1.67	1.99	1.79	1.626	
May .....	.55	1.26	1.70	1.83	.58	1.99	3.33	2.47	1.35	2.87	1.793	
June	3.27	1.96	2.56	1.82	1.20	1.19	.78	.72	3.68	1.51	1.869	
July	3.95	1.67	2.77	2.15	1.92	.76	3.07	1.10	4.26	1.76	2.345	
August	1.10	4.03	1.53	1.05	(.60)	1.68	1.57	1.95	5.06	3.30	2.187	
September	2.68	2.02	2.92	2.98	3.01 (2.41)	4.87	1.20	2.18	.92	3.57	2.575	
October	6.29	2.48	5.10	1.99	1.52	3.87	2.51	1.50	1.56	4.36	3.118	
November	3.66	2.19	2.34	3.15	1.27	3.10	3.14	3.63	5.19	1.32	2.903	
December	3.13	2.92	2.97	1.09	3.19	1.05	3.72	1.55	1.66	1.80	2.308	
TOTALS	30.74	25.68	27.77	22.54	18.60	26.54	26.04	20.54	30.83	27.50	25.718	

RAINFALL AT *Brentwood, Dadbroke House*

80

Lat. Lon. County of *Essex*

Rain Gauge, by *N. & L.* Observer *W. W. Dellar*

Roding - 2.

Diameter					8	8					
Height					1 - 3	1 - 3					
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					2.25	2.57	3.88	1.58	1.29	.77	
February					1.30	2.63	.61	.63	1.37	2.36	
March					1.70	1.67	1.26	1.89	3.60	1.82	
April					1.35	1.32	1.07	1.89	2.49	2.24	
May .....					.58	2.99	3.73	2.22	.99	3.72	
June					1.12	1.25	.65	.63	2.96	2.42	
July					2.00	.48	3.69	1.09	5.35	2.22	
August .....					.86	1.39	1.10	2.23	5.21	2.88	
September....					2.78	6.17	1.37	2.99	1.32	3.45	
October					1.17	5.40	3.13	2.04	1.80	4.51	
November ....					.71	3.13	4.00	4.87	6.12	1.27	
December					3.77	1.36	4.92	1.54	1.54	1.97	
TOTALS					19.59	30.36	29.41	23.60	34.04	29.63	

Navestock Church 1 1/2 mile

Wall 8 ft high 72 ft allround

RAINFALL AT

The Hemmalls, Epping

80

Lat.

Lon.

County of Essex

Rain Gauge, by

Observer

J. Nicholl, Esq.

Reading - 2.

Diameter	6											
Height	6											
Altitude	345											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.46	1.28	1.90	2.16	3.09	1.81	4.43	1.56	1.31	1.26	1.926	
February	2.81	4.18	1.41	4.29	1.97	3.82	.62	.86	1.29	2.04	2.329	
March	1.28	2.32	1.76	1.40	2.35	1.84	1.92	2.02	4.44	2.44	2.177	
April	2.74	1.23	3.52	1.84	1.39	3.05	1.54	1.43	3.82	2.07	2.263	
May .....	.56	.99	1.74	1.87	.58	3.76	5.03	2.26	1.35	4.65	2.279	
June	1.90	2.33	2.96	2.80	1.88	1.82	.34	.67	2.98	3.14	2.082	
July	5.19	2.03	2.24	2.55	3.22	.72	3.30	1.13	6.28	2.59	2.925	
August	1.58	4.75	2.10	1.38	1.13	2.91	.98	1.66	5.39	3.13	2.501	
September	5.24	2.48	3.52	4.40	2.39	5.76	1.53	3.70	1.23	3.53	3.378	
October	6.89	1.98	7.67	2.57	1.61	5.27	2.94	1.83	1.79	4.95	3.750	
November	3.11	3.78	3.81	3.77	2.45	4.26	4.13	4.56	6.56	1.47	3.790	
December	3.97	4.31	3.68	1.36	3.14	1.25	4.21	1.60	1.83	2.19	2.754	
TOTALS	35.73	31.66	36.31	30.39	25.20	36.27	30.97	23.28	38.27	33.46	32.154	

RAINFALL AT Southend Water works

80

Lat.

Lon.

County of Essex

Rain Gauge, by

Observer

J. Lingwood, Esq.
C. S. Billham Esq.

Crouch - 3.

Diameter		8									
Height		1.0									
Altitude		112 ft									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...		1.03	.84	1.11	1.73	1.27	2.56	(.78) #	.75	1.04	
February ...		1.79	.75	1.93	.99	1.90	.36	.53	1.18	1.71	
March		1.38	.98	.65	1.07	1.14	1.00	1.43	1.84	.93	
April .....		.59	1.91	1.44	1.00	.71	1.62	1.30	1.31	2.02	
May .....		.72	1.08	1.92	.27	1.86	2.37	1.47	.42	2.40	
June		2.10	1.94	1.87	1.21	.80	.27	.39	2.28	2.10	
July .....		.78	1.71	2.56	1.96	.36	2.76	1.35	4.56	2.21	
August		2.59	1.02	.28	.67	.40	1.46	2.45	4.25	2.33	
September ...		2.19	2.73	2.22	3.76	5.04	1.15	2.11	1.25	2.36	
October		766 3.36	740 4.32	733 1.59	760 1.25	6.60 3.45	5.64 2.49	6.30 1.13	12.34 1.22	9.00 3.79	
November ...		1.74	2.93	2.33	.75	2.34	1.97	3.00	4.23	.84	
December		2.55	2.36	.91	1.90	1.08	(2.85) #	1.38	.87	1.22	
TOTALS		20.82	22.57	15.18	16.56	20.35	(20.86)	(17.32)	24.16	22.95	

Prittlewell Church 74 chains NNE.

Pumping Station 20ft high 180ft W

Dec 86 + Jan 87 - Avenue Road

RAINFALL AT Southend St Cuthberts Avenue

80

Lat. Lon. County of Essex

Rain Gauge, by Observer C. J. Holtthouse Esq.

Crouch - 3.

Diameter					5						
Height					3	-					
Altitude					110						
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					1.66	1.18	3.07	.78	.83	.94	
February ....					.87	1.83	.34	.54	1.36	2.34	
March					1.00	1.26	.97	1.46	2.34	.97	
April .....						.65	1.63	1.31	1.36	2.02	
May .....					.27	1.89	2.33	1.43	.58	2.51	
June					1.15	.77	.18	.40	2.25	2.11	
July					2.06	.39	2.48	1.40	4.83	2.28	
August .....						.44	1.24	2.33	4.24		
September....					3.66	(5.01)	1.07	2.10	1.18	2.21	
October					1.20	3.54	2.30	1.03	1.07	3.59	
November ....					.78	2.26	1.84	3.18	4.21	.85	
December					1.70	1.09	2.85	1.47	.85	1.32	
TOTALS						(20.31)	20.30	17.43	25.10		

1885 Sept^r G moved to Avenue Rd a distance of 50 yards
1889 Record imperfect in August

RAINFALL AT *Billericay Burghstead Lodge*

80

Lat.

Lon.

County of *Essex*

Snowdon Rain Gauge, by

Observer *Gaul Braufill*

Couch - 3.

Diameter									5		
Height									1.		
Altitude									310 π		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									$\frac{4}{(1.07)}$	.61	
February									1.29	1.97	
March									2.85	1.38	
April									1.34	2.01	
May .....									.92	2.78	
June									2.81	1.71	
July ..									3.84	1.79	
August									5.29	1.84	
September....									1.12	2.43	
October									1.35	3.69	
November									4.35	1.07	
December ....									.85	1.44	
TOTALS									(27.08)	22.72	

St. Mary's Billericay 450 yards NE

Ash tree 35 ft high 57 ft N

" " 35 " " 60 " NNW

Fir " 30 " " 90 " E

Trees 35 " " 75 " E to S.E.

1888 Jan'y fall from 1st to 20th computed

RAINFALL AT *Shoeburyness*

127/5
80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *Capt O'Callaghan R.A.*

Asst Supt of Experiments

Crouch - 3.

Diameter	<i>5</i>	<i>8</i>									
Height	<i>4.7</i>	<i>7. -</i>	<i>7.3</i>								
Altitude	<i>18</i>	<i>17</i>	<i>18</i>								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.14</i>	<i>1.18</i>	<i>1.17</i>	<i>.95</i>	<i>1.62</i>	<i>1.26</i>	<i>2.08</i>	<i>.94</i>	<i>.53</i>	<i>.89</i>	<i>1.076</i>
February	<i>1.41</i>	<i>1.59</i>	<i>.68</i>	<i>1.57</i>	<i>1.01</i>	<i>2.08</i>	<i>.36</i>	<i>.38</i>	<i>1.36</i>	<i>1.58</i>	<i>1.202</i>
March	<i>.20</i>	<i>1.16</i>	<i>.82</i>	<i>.48</i>	<i>.95</i>	<i>1.31</i>	<i>.94</i>	<i>1.09</i>	<i>2.11</i>	<i>.90</i>	<i>.996</i>
April	<i>1.77</i>	<i>.20</i>	<i>1.95</i>	<i>1.33</i>	<i>.87</i>	<i>.51</i>	<i>1.40</i>	<i>1.16</i>	<i>1.35</i>	<i>1.85</i>	<i>1.239</i>
May	<i>.06</i>	<i>.05</i>	<i>1.07</i>	<i>1.74</i>	<i>.34</i>	<i>1.72</i>	<i>1.95</i>	<i>1.09</i>	<i>.62</i>	<i>1.72</i>	<i>1.036</i>
June	<i>2.16</i>	<i>1.56</i>	<i>1.64</i>	<i>1.27</i>	<i>.88</i>	<i>1.02</i>	<i>.14</i>	<i>0.29</i>	<i>2.91</i>	<i>1.89</i>	<i>1.376</i>
July	<i>2.33</i>	<i>.74</i>	<i>1.52</i>	<i>1.75</i>	<i>1.44</i>	<i>.24</i>	<i>2.56</i>	<i>1.05</i>	<i>3.95</i>	<i>1.46</i>	<i>1.704</i>
August	<i>.76</i>	<i>2.55</i>	<i>1.42</i>	<i>.32</i>	<i>.62</i>	<i>.56</i>	<i>1.09</i>	<i>1.50</i>	<i>2.97</i>	<i>2.27</i>	<i>1.406</i>
September	<i>3.52</i>	<i>1.84</i>	<i>2.57</i>	<i>2.61</i>	<i>3.61</i>	<i>5.20</i>	<i>.64</i>	<i>2.62</i>	<i>.89</i>	<i>2.38</i>	<i>2.588</i>
October	<i>8.27</i>	<i>3.96</i>	<i>4.41</i>	<i>1.56</i>	<i>1.00</i>	<i>2.59</i>	<i>1.36</i>	<i>0.68</i>	<i>1.00</i>	<i>3.48</i>	<i>2.825</i>
November	<i>2.33</i>	<i>1.79</i>	<i>3.04</i>	<i>2.18</i>	<i>.62</i>	<i>2.11</i>	<i>1.68</i>	<i>3.06</i>	<i>3.82</i>	<i>.66</i>	<i>2.129</i>
December	<i>2.70</i>	<i>2.21</i>	<i>2.26</i>	<i>.87</i>	<i>1.76</i>	<i>.79</i>	<i>2.77</i>	<i>1.19</i>	<i>.85</i>	<i>1.12</i>	<i>1.652</i>
TOTALS	<i>25.59</i>	<i>18.83</i>	<i>22.55</i>	<i>16.63</i>	<i>14.72</i>	<i>19.39</i>	<i>16.97</i>	<i>15.05</i>	<i>22.36</i>	<i>20.20</i>	<i>19.229</i>

1880. South Shoebury Ch. 1/2 mile W.
1886 Poplars 30ft high 25ft W.

RAINFALL AT *Billerica (Belhorne)*

80

Lat. Lon. County of *Essex*

Rain Gauge, by Observer *W. A. Torkle Esq.*

Couch - 3.

Diameter				<i>5</i>							
Height				<i>.9</i>							
Altitude				<i>75</i>							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January				<i>1.95</i>	<i>2.21</i>	<i>1.85</i>	<i>4.05</i>				
February				<i>3.51</i>	<i>1.45</i>	<i>3.17</i>	<i>.39</i>				
March				<i>.78</i>	<i>1.76</i>	<i>1.79</i>					
April				<i>2.29</i>	<i>1.32</i>	<i>1.90</i>					
May				<i>2.07</i>	<i>.80</i>	<i>2.59</i>					
June				<i>2.58</i>	<i>1.15</i>	<i>1.07</i>					
July				<i>3.58</i>	<i>1.98</i>	<i>.38</i>					
August				<i>.59</i>	<i>.80</i>	<i>1.32</i>					
September				<i>3.37</i>	<i>3.11</i>	<i>4.52</i>					
October				<i>2.58</i>	<i>1.81</i>	<i>4.47</i>					
November				<i>4.54</i>	<i>1.30</i>	<i>3.41</i>					
December				<i>.70</i>	<i>3.16</i>	<i>1.36</i>					
TOTALS				<i>28.54</i>	<i>20.85</i>	<i>27.83</i>					

RAINFALL AT *Billerica*

80

Lat.

Lon.

County of _____

Ess-ess

Rain Gauge, by

Observer

Major T J Sperry

Crouch. 3.

[illegible]

RAINFALL AT *Bradwell on Sea, Bradwell Hall*

Lat. Lon. County of *Essex*
 Rain Gauge, by Observer *J. C. Chillingworth Esq.*

Couch - 3.

Diameter				<i>5</i>							
Height				<i>1.1</i>							
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January		<i>.83</i>	<i>.88</i>	<i>1.46</i>	<i>1.35</i>	<i>1.20</i>	<i>2.70</i>	<i>1.24</i>	<i>.92</i>	<i>.75</i>	
February		<i>2.15</i>	<i>.90</i>	<i>2.11</i>	<i>1.13</i>	<i>1.92</i>	<i>.27</i>	<i>.37</i>	<i>1.55</i>	<i>1.61</i>	
March		<i>1.51</i>	<i>1.34</i>	<i>.94</i>	<i>1.26</i>	<i>1.16</i>	<i>1.05</i>	<i>1.14</i>	<i>2.54</i>	<i>1.29</i>	
April		<i>.67</i>	<i>2.33</i>	<i>1.55</i>	<i>1.02</i>	<i>1.21</i>	<i>1.54</i>	<i>1.32</i>	<i>1.05</i>	<i>1.65</i>	
May		<i>1.38</i>	<i>1.54</i>	<i>2.04</i>	<i>.40</i>	<i>2.07</i>	<i>2.32</i>	<i>1.63</i>	<i>.79</i>	<i>2.25</i>	
June		<i>2.59</i>	<i>1.73</i>	<i>1.90</i>	<i>1.30</i>	<i>.74</i>	<i>.30</i>	<i>.26</i>	<i>2.12</i>	<i>1.56</i>	
July		<i>1.07</i>	<i>2.10</i>	<i>1.85</i>	<i>1.22</i>	<i>.55</i>	<i>2.87</i>	<i>1.51</i>	<i>4.27</i>	<i>2.09</i>	
August		<i>2.97</i>	<i>2.03</i>	<i>.38</i>	<i>.71</i>	<i>1.11</i>	<i>1.24</i>	<i>1.59</i>	<i>2.34</i>	<i>2.62</i>	
September		<i>2.74</i>	<i>2.35</i>	<i>2.47</i>	<i>3.30</i>	<i>4.56</i>	<i>1.39</i>	<i>1.87</i>	<i>1.34</i>	<i>1.86</i>	
October		<i>2.93</i>	<i>3.92</i>	<i>1.56</i>	<i>1.46</i>	<i>2.87</i>	<i>1.91</i>	<i>1.07</i>	<i>.91</i>	<i>3.70</i>	
November		<i>2.26</i>	<i>2.97</i>	<i>2.01</i>	<i>.75</i>	<i>2.10</i>	<i>2.26</i>	<i>2.83</i>	<i>3.72</i>	<i>.87</i>	
December		<i>3.23</i>	<i>3.08</i>	<i>.97</i>	<i>2.14</i>	<i>.89</i>	<i>2.61</i>	<i>1.21</i>	<i>.91</i>	<i>1.06</i>	
TOTALS		<i>24.33</i>	<i>25.17</i>	<i>19.24</i>	<i>16.04</i>	<i>20.38</i>	<i>20.46</i>	<i>16.04</i>	<i>22.46</i>	<i>21.31</i>	<i>18.543</i>

Downfall (used for average x 1.20)

*4377
14166*

*1883 Tillingham Ch. 1m. S
 Trees 30 ft high 30 ft N.E.
 House . . . 45 W.*

*1886 Jan 1st gauge moved about 50 yards E
 40 ft high 84 ft E
 35 " " 60 " N
 40 " " 81 " W*

RAINFALL AT *Dunn Hall, Bradwell on Sea*

80

Lat.

Lon. County of *Essex*

Rain Gauge, by

Observer *J. Page, Esq.*

Crouch - 3.

Diameter	<i>5</i>										
Height	<i>1.2</i>							<i>1.0</i>			
Altitude	<i>20</i>			<i>10</i>	<i>20</i>						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.19</i>	<i>.83</i>	<i>.88</i>	<i>1.67</i>	<i>1.58</i>	<i>1.31</i>	<i>2.62</i>	<i>1.19</i>	<i>.90</i>	<i>.74</i>	<i>1.191</i>
February	<i>1.63</i>	<i>2.15</i>	<i>.90</i>	<i>2.24</i>	<i>1.20</i>	<i>1.99</i>	<i>.22</i>	<i>.37</i>	<i>1.66</i>	<i>1.32</i>	<i>1.368</i>
March	<i>.45</i>	<i>1.51</i>	<i>1.34</i>	<i>.39</i>	<i>1.26</i>	<i>1.19</i>	<i>1.11</i>	<i>1.05</i>	<i>2.36</i>	<i>1.25</i>	<i>1.190</i>
April	<i>1.94</i>	<i>.67</i>	<i>2.33</i>	<i>1.56</i>	<i>.98</i>	<i>.98</i>	<i>1.36</i>	<i>1.31</i>	<i>1.06</i>	<i>1.39</i>	<i>1.358</i>
May	<i>.11</i>	<i>1.38</i>	<i>1.54</i>	<i>1.91</i>	<i>.56</i>	<i>2.15</i>	<i>2.44</i>	<i>1.48</i>	<i>.77</i>	<i>1.98</i>	<i>1.432</i>
June	<i>2.66</i>	<i>2.59</i>	<i>1.73</i>	<i>1.87</i>	<i>1.75</i>	<i>.76</i>	<i>.40</i>	<i>.16</i>	<i>2.01</i>	<i>1.29</i>	<i>1.522</i>
July	<i>4.19</i>	<i>1.07</i>	<i>2.10</i>	<i>2.32</i>	<i>1.57</i>	<i>.69</i>	<i>2.60</i>	<i>1.35</i>	<i>4.09</i>	<i>2.62</i>	<i>2.260</i>
August	<i>1.64</i>	<i>2.97</i>	<i>2.03</i>	<i>.30</i>	<i>.67</i>	<i>1.17</i>	<i>1.61</i>	<i>1.87</i>	<i>2.40</i>	<i>2.59</i>	<i>1.725</i>
September	<i>4.18</i>	<i>2.74</i>	<i>2.35</i>	<i>2.55</i>	<i>3.36</i>	<i>4.45</i>	<i>1.76</i>	<i>1.72</i>	<i>1.02</i>	<i>1.47</i>	<i>2.560</i>
October	<i>7.92</i>	<i>2.93</i>	<i>3.92</i>	<i>1.65</i>	<i>1.50</i>	<i>2.98</i>	<i>1.69</i>	<i>1.04</i>	<i>.94</i>	<i>3.57</i>	<i>2.814</i>
November	<i>2.46</i>	<i>2.26</i>	<i>2.97</i>	<i>2.26</i>	<i>.77</i>	<i>2.10</i>	<i>2.29</i>	<i>2.75</i>	<i>3.65</i>	<i>.80</i>	<i>2.231</i>
December	<i>2.72</i>	<i>3.23</i>	<i>3.08</i>	<i>1.15</i>	<i>2.48</i>	<i>.85</i>	<i>2.78</i>	<i>1.00</i>	<i>.92</i>	<i>.85</i>	<i>1.906</i>
TOTALS	<i>30.09</i>	<i>24.33</i>	<i>25.17</i>	<i>19.87</i>	<i>17.67</i>	<i>20.62</i>	<i>20.88</i>	<i>15.29</i>	<i>21.78</i>	<i>19.87</i>	<i>21.557</i>

RAINFALL AT *Norton Hall, Malden*

80

Lat.

Lon. County of *Essex*

Rain Gauge, by

Observer *E. Clarke, Esq.*

Blackwater - 14.

Diameter	<i>5</i>											
Height	<i>2.6</i>											
Altitude	<i>130 T</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.18</i>	<i>.95</i>	<i>1.05</i>	<i>1.57</i>	<i>1.75</i>	<i>1.27</i>	<i>2.51</i>	<i>1.65</i>	<i>.87</i>	<i>.73</i>	<i>1.253</i>	
February	<i>1.46</i>	<i>2.24</i>	<i>.80</i>	<i>2.58</i>	<i>1.15</i>	<i>2.32</i>	<i>.16</i>	<i>.47</i>	<i>1.40</i>	<i>1.88</i>	<i>1.446</i>	
March	<i>.45</i>	<i>1.34</i>	<i>1.24</i>	<i>.84</i>	<i>1.30</i>	<i>1.50</i>	<i>1.12</i>	<i>1.20</i>	<i>2.58</i>	<i>1.18</i>	<i>1.275</i>	
April	<i>2.66</i>	<i>.79</i>	<i>2.17</i>	<i>1.64</i>	<i>1.03</i>	<i>.92</i>	<i>1.27</i>	<i>1.52</i>	<i>1.75</i>	<i>1.89</i>	<i>1.564</i>	
May	<i>.62</i>	<i>1.01</i>	<i>1.04</i>	<i>1.77</i>	<i>.45</i>	<i>1.90</i>	<i>2.62</i>	<i>1.68</i>	<i>.77</i>	<i>2.96</i>	<i>1.482</i>	
June	<i>3.17</i>	<i>1.83</i>	<i>1.99</i>	<i>1.77</i>	<i>1.41</i>	<i>.98</i>	<i>.42</i>	<i>.50</i>	<i>2.16</i>	<i>1.74</i>	<i>1.597</i>	
July	<i>3.73</i>	<i>1.09</i>	<i>2.34</i>	<i>3.03</i>	<i>2.40</i>	<i>1.09</i>	<i>2.71</i>	<i>.87</i>	<i>3.86</i>	<i>2.49</i>	<i>2.361</i>	
August	<i>.81</i>	<i>3.15</i>	<i>1.59</i>	<i>.39</i>	<i>.54</i>	<i>1.48</i>	<i>1.34</i>	<i>1.36</i>	<i>3.77</i>	<i>2.47</i>	<i>1.690</i>	
September	<i>2.53</i>	<i>2.22</i>	<i>2.39</i>	<i>2.32</i>	<i>2.84</i>	<i>4.49</i>	<i>.69</i>	<i>1.71</i>	<i>.97</i>	<i>2.33</i>	<i>2.249</i>	
October	<i>7.23</i>	<i>2.65</i>	<i>4.40</i>	<i>1.96</i>	<i>1.43</i>	<i>3.48</i>	<i>1.83</i>	<i>1.17</i>	<i>1.09</i>	<i>4.06</i>	<i>2.930</i>	
November	<i>2.21</i>	<i>1.47</i>	<i>2.31</i>	<i>2.51</i>	<i>.73</i>	<i>2.39</i>	<i>2.43</i>	<i>2.99</i>	<i>3.87</i>	<i>.93</i>	<i>2.224</i>	
December	<i>2.57</i>	<i>2.98</i>	<i>2.74</i>	<i>1.03</i>	<i>2.44</i>	<i>.92</i>	<i>3.35</i>	<i>1.13</i>	<i>.96</i>	<i>1.28</i>	<i>1.940</i>	
TOTALS	<i>27.62</i>	<i>21.72</i>	<i>24.06</i>	<i>21.81</i>	<i>17.47</i>	<i>22.74</i>	<i>20.45</i>	<i>16.25</i>	<i>24.05</i>	<i>23.94</i>	<i>22.011</i>	

1880. Cold Norton, 50 yards. N.W.

House 25ft high 20ft NW

RAINFALL AT *Ingatestone Coptfold Hall*

80

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

The Meteor Council

L. J. Petre

Blackwater - 41

Diameter									5		
Height									1.0		
Altitude									246		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January								1.20	.92	.62	
February . . . .								.55	1.20	1.67	
March								1.46	2.87	1.46	
April							1.12	1.42	1.87	1.95	
May							3.35	1.89	.86	3.05	
June . . . . .							.43	.57	2.93	1.62	
July							2.57	2.69	4.94	1.47	
August							1.59	2.03	5.08	2.50	
September							1.05	2.05	.86	2.54	
October							2.64	1.47	1.37	3.38	
November							2.64	3.68	4.26	1.24	
December							3.65	1.21	1.20	1.41	
TOTALS								20.22	28.36	22.91	

*1890 Jan 2.18 in. Feb 1.01 March 2.18 April 1.26 May 2.21
June 1.75 July 4.89 T.*

RAINFALL AT *Chelmsford Great-Baddow*

Lat. Lon. County of *Essex*
 Rain Gauge, by Observer *H. Corder Esq*

Blackwater - 4.

Diameter			5								
Height			6				3.6	6			
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January			1.12	1.59	1.84	1.46	3.02	1.78	.93	.65	
February			1.02	2.88	1.28	2.64	.15	.48	1.26	1.64	
March			1.18	.99	1.64	1.70	1.24	1.47	2.82	1.73	
April			2.62	1.82	1.04	1.47	1.12	1.25	1.73	1.65	
May			1.24	1.73	.47	2.38	2.46	1.63	.73	3.33	
June			2.44	2.53	1.21	1.62	.49	.54	2.47	1.72	
July			3.45	2.11	1.79	.46	2.73	1.68	3.83	2.24	
August			1.49	.60	.56	3.24	1.62	2.24	5.16	2.31	
September			2.36	2.65	2.52	4.62	1.11	1.93	.81	1.96	
October			4.89	2.45	1.75	3.46	2.67	1.38	1.40	4.09	
November			2.79	3.14	1.18	3.02	2.68	3.87	4.38	1.23	
December			2.88	.94	2.65	.62	3.58	1.31	1.54	1.13	
TOTALS			27.48	23.43	17.93	26.69	22.87	19.56	27.06	23.68	

Sandon Church 1/2 mile NE

1884 Fin 3ft high 4ft. E.

*1889 Gauge perhaps will be removed in 1890 to Garden Cottage
 Chelmsford*

RAINFALL AT *Chelmsford, 4th Baddow Vineyards*

80

Lat.

Lon. County of *Essex*

Rain Gauge, by

Observer *W. A. W. Bullen*

Blackwater - 4 -

Diameter					5							
Height					1.0							
Altitude												
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ...	43	1.06	1.22	1.87	2.02	1.22	3.54					
February ...	1.74	2.55	.68	3.28	1.48	2.95	.36					
March	42	1.81	1.63	1.12	1.91	1.73	1.27					
April	2.07	.56	2.69	1.96	.90	1.33	1.03					
May .....	.31	.95	1.27	1.73	.55	2.52	2.39					
June	3.27	1.77	2.61	2.44	1.23	1.46	.35					
July	4.37	1.21	3.30	1.98	1.70	.43	2.37					
August .....	.55	4.12	1.48	.48	.61	3.80	1.48					
September ...	2.86	2.06	2.55	2.21	1.91	4.35	.98					
October	7.51	2.96	5.56	3.20	1.60	3.44	2.27					
November	2.70	2.72	2.83	3.10	.73	2.81	2.73					
December	2.53	3.57	2.91	1.08	3.40	1.07	3.76					
TOTALS ...	<i>Cast to 28.76</i> 28.78	25.34	28.73	24.45	18.04	27.11	22.53	N.R.				

1884 5th Mary's Church $\frac{1}{4}$ mile S

Wall 6ft high 20ft. W.

1880-3 Found on loose sheet among Mr Wallis's effects

RAINFALL AT *Chelmsford*

80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *F. Chancellor, Esq.*

Blackwater - 4

Diameter	<i>8</i>										
Height	<i>1.0</i>										
Altitude	<i>86 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.15</i>	<i>1.32</i>	<i>.94</i>	<i>1.63</i>	<i>2.00</i>	<i>1.26</i>	<i>2.99</i>	<i>1.17</i>	<i>.92</i>	<i>.68</i>	<i>1.306</i>
February	<i>1.50</i>	<i>2.36</i>	<i>1.05</i>	<i>2.53</i>	<i>1.23</i>	<i>2.51</i>	<i>.15</i>	<i>.49</i>	<i>1.66</i>	<i>2.02</i>	<i>1.590</i>
March	<i>.72</i>	<i>1.76</i>	<i>.97</i>	<i>.80</i>	<i>1.58</i>	<i>1.52</i>	<i>1.13</i>	<i>1.16</i>	<i>2.79</i>	<i>1.61</i>	<i>1.404</i>
April	<i>1.55</i>	<i>.56</i>	<i>2.32</i>	<i>1.84</i>	<i>.83</i>	<i>1.53</i>	<i>.90</i>	<i>1.19</i>	<i>1.68</i>	<i>1.93</i>	<i>1.433</i>
May	<i>.67</i>	<i>.63</i>	<i>1.14</i>	<i>1.66</i>	<i>.60</i>	<i>1.88</i>	<i>2.23</i>	<i>1.32</i>	<i>.80</i>	<i>3.20</i>	<i>1.403</i>
June	<i>3.00</i>	<i>1.85</i>	<i>2.20</i>	<i>2.45</i>	<i>.94</i>	<i>1.46</i>	<i>.25</i>	<i>.44</i>	<i>2.34</i>	<i>1.40</i>	<i>1.633</i>
July	<i>5.24</i>	<i>1.72</i>	<i>2.96</i>	<i>2.06</i>	<i>2.47</i>	<i>.48</i>	<i>2.40</i>	<i>1.27</i>	<i>3.41</i>	<i>1.67</i>	<i>2.368</i>
August	<i>.50</i>	<i>3.94</i>	<i>1.77</i>	<i>.64</i>	<i>.57</i>	<i>3.20</i>	<i>1.38</i>	<i>1.60</i>	<i>4.13</i>	<i>2.63</i>	<i>2.036</i>
September	<i>2.63</i>	<i>1.94</i>	<i>2.57</i>	<i>2.71</i>	<i>2.14</i>	<i>4.09</i>	<i>.90</i>	<i>1.95</i>	<i>.96</i>	<i>2.50</i>	<i>2.239</i>
October	<i>6.26</i>	<i>3.03</i>	<i>5.60</i>	<i>2.43</i>	<i>1.57</i>	<i>3.47</i>	<i>1.94</i>	<i>1.34</i>	<i>1.28</i>	<i>3.88</i>	<i>3.080</i>
November	<i>2.37</i>	<i>2.39</i>	<i>2.80</i>	<i>3.00</i>	<i>.96</i>	<i>2.61</i>	<i>2.46</i>	<i>3.80</i>	<i>3.85</i>	<i>1.18</i>	<i>2.542</i>
December	<i>2.62</i>	<i>3.00</i>	<i>2.76</i>	<i>.51</i>	<i>2.69</i>	<i>.60</i>	<i>3.62</i>	<i>1.26</i>	<i>1.10</i>	<i>1.20</i>	<i>1.976</i>
TOTALS	<i>27.21</i>	<i>24.50</i>	<i>27.08</i>	<i>22.56</i>	<i>17.58</i>	<i>24.61</i>	<i>20.35</i>	<i>16.99</i>	<i>24.92</i>	<i>23.90</i>	<i>23.010</i>

20289

1880. St Mary's, 400 feet - N.W.

Buildings 6 ft to 15 ft high 12 ft to 15 ft distant N, E & S.

RAINFALL AT Chelmsford Writtle

80
Melbourne.

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

E. Rosling, Esq.

Bluewater - 14.

Diameter		5									
Height		0.9	-								
Altitude		140 T									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January		1.02	1.04	1.55	1.91	1.36	2.60	1.21	.82	.68	
February		2.29	1.11	2.52	1.05	2.26	.14	.48	1.20	1.72	
March		1.63	.93	.82	1.78	1.45	1.01	1.16	2.75	1.46	
April .....		.70	2.53	2.00	.79	1.39	1.05	1.32	1.32	1.70	
May .....		.65	1.31	1.64	.42	2.37	2.18	1.56	.82	3.03	
June		1.87	1.98	2.04	.93	1.55	.40	.37	2.96	1.55	
July		1.35	2.60	2.47	2.09	1.17	2.10	1.19	3.91	1.53	
August		3.75	1.61	.61	.69	2.35	1.26	1.47	3.73	2.21	
September		1.98	2.29	2.53	2.13	4.04	.86	1.96	.68	1.93	
October		2.49	5.64	2.30	1.44	3.68	1.97	1.31	1.34	3.40	
November		2.12	2.50	2.85	1.09	2.92	2.53	3.63	3.83	1.07	
December		2.82	2.46	.75	2.42	.75	3.38	1.06	1.06	1.14	
TOTALS		22.67	26.00	22.88	16.74	25.29	19.48	16.72	24.42	21.42	

1881. Writtle

S.W.

Deodar 23ft high 21ft S.

RAINFALL AT

Chelmsford (Roxwell)

80

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

R. N. Christy Esq.

Blackwater - 4 -

Diameter				5							
Height				1							
Altitude				160 T	177 T			146			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January				1.66	1.92	1.39	2.92	1.64	.94	.68	
February				3.01	1.13	2.44	.15	.53	1.08	1.92	
March . . . . .				.91	1.58	1.39	1.13	1.37	2.95	1.21	
April				1.93	.73	1.41	.95	1.36	1.93	1.89	
May				1.71	.64	2.62	2.49	1.63	.75	3.70	
June				1.96	.84	1.38	.16	.36	3.32	1.49	
July				2.43	2.30	1.08	2.26	1.56	4.33	1.87	
August . . . . .				.63	.67	1.82	1.15	1.32	3.81	3.07	
September				2.48	2.22	3.75	.85	2.07	.63	2.39	
October				2.27	1.59	3.94	2.31	1.24	1.82	3.78	
November				2.90	1.44	2.96	2.98	3.38	4.13	1.11	
December . . . .				.97	2.27	.94	3.58	1.07	1.12	1.30	
TOTALS				22.86	17.33	25.12	20.93	17.53	26.81	24.41	

Roxwell Church 1 m. W.

Hedge 2 ft 6 in high S/E. S.

RAINFALL AT *Chelmsford Broomfield* 80

Lat. Lon. County of *Essex*
 Rain Gauge, by Observer *Wm Incey Esq*

Blackwater - 4 -

Diameter									5		
Height									1.4		
Altitude									144 ^T		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....									.82	.73	
February									1.10	2.09	
March									3.92	1.51	
April									1.72	1.75	
May .....									.75	3.50	
June									3.73	1.42	
July ..									3.98	1.72	
August									3.89	2.49	
September....									.68	2.33	
October									1.27	3.36	
November....									3.92	1.13	
December									1.07	1.17	
TOTALS									26.85	23.20	

1888 *Broomfield Church* 150 yards E
Small Pigeon House 15 ft high 15 ft SE

RAINFALL AT *Witham Little Brasted*

80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *J. Taber, Esq*

Blackwater - 4

Diameter			5								
Height			1								
Altitude			50								
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...			84	1.52	1.53	1.37	2.92	1.50	.99	.80	
February ...			85	3.02	1.15	2.80	.23	.46	1.21	1.71	
March			1.16	.82	1.45	1.45	1.32	1.43	2.92	1.35	
April			2.66	1.77	1.08	1.39	1.16	1.40	1.75	2.10	
May			1.36	1.69	.27	2.57	2.54	1.49	.73	3.33	
June			2.22	2.73	.74	1.37	.54	.45	2.18	1.51	
July			2.68	2.77	1.91	.98	2.75	.80	4.25	2.16	
August			1.70	.71	1.15	2.02	1.52	1.78	3.96	2.75	
September ...			2.44	2.50	3.33	6.79	1.07	1.70	1.26	2.04	
October			2.63	4.86	2.04	1.87	4.01	1.85	1.15	1.15	3.67
November			1.86	2.71	2.89	1.08	2.54	2.09	3.48	4.08	1.07
December			2.87	2.95	1.18	1.89	1.11	3.24	1.12	1.01	1.15
TOTALS			2643	23.64	1745	2834	2123	16.76	25.49	23.64	

1881 Gauge removed from Rivenhall

RAINFALL AT *Rivenhall, Witham*

Lat. _____ Lon. _____ County of *Essex*
Rain Gauge, by _____ Observer *J. Faber, Esq.*

Blackwater - 14.

Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude	<i>50 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.12</i>	<i>1.20</i>									
February	<i>1.58</i>	<i>2.12</i>									
March	<i>.56</i>	<i>1.38</i>									
April	<i>2.52</i>	<i>.93</i>									
May	<i>.33</i>	<i>.76</i>									
June	<i>2.87</i>	<i>1.54</i>									
July	<i>3.58</i>	<i>1.59</i>									
August	<i>.71</i>	<i>3.83</i>									
September	<i>2.72</i>	<i>2.21</i>									
October	<i>6.14</i>										
November	<i>2.32</i>										
December	<i>2.24</i>										
TOTALS	<i>25.69</i>										

1881. Gauge removed to Little Broxted

RAINFALL AT Witham Rivenhall Rectory 80

Lat. Lon. County of Essex

Rain Gauge, by Observer Rev. F. B. St. Bridges

Blackwater - 14.

Diameter					5						
Height					1.0						
Altitude					1387						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...				1.46	1.76	1.37	3.28	1.06	1.00	.87	
February ...				2.43	1.14	2.54	1.8	.50	1.60	2.30	
March				1.13	1.25	1.48	1.20	1.30	2.97	1.25	
April				1.78	.97	1.37	1.23	1.26	1.99	2.15	
May				1.65	.33	3.79	2.59	1.41	.72	3.60	
June				2.47	1.81	1.70	.51	.56	2.03	1.70	
July				2.98	1.96	1.28	2.73	.99	5.01	1.79	
August .....				.97	1.01	1.87	1.27	1.65	3.92	2.94	
September ...				2.63	2.78	6.86	.96	1.81	1.36	3.09	
October			#	4.94	2.10	1.83	3.98	1.94	1.64	1.99	3.80
November				3.44	2.32	.82	2.59	2.87	2.52	5.38	1.12
December				2.96	1.29	2.19	1.10	3.40	1.17	1.12	1.24
TOTALS				23.21	17.85	29.93	22.16	15.87	29.09	25.85	

Rivenhall Church 1 mile NE

RAINFALL AT

AT

High Roding, Duncannon

80

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

Rev. E. Matwell

Blackwater - 4.

Diameter	5											
Height	1.0											
Altitude	252 T											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.23	1.31	1.14	1.75	2.11	1.56	2.78	1.42	.79	.56	1.365	
February	1.83	2.77	1.05	3.46	1.26	2.36	2.0	.52	1.14	1.50	1.609	
March .....	.91	1.83	1.37	.75	1.32	1.26	1.63	1.42	3.00	1.60	1.509	
April	1.83	1.07	2.78	2.08	.78	1.38	1.42	1.03	1.90	1.94	1.621	
May .....	.35	1.09	1.15	1.38	.44	3.08	2.89	2.15	.85	3.15	1.653	
June	2.01	2.16	2.62	2.70	1.06	1.71	1.00	.38	2.44	1.00	1.708	
July	3.77	1.91	1.87	2.35	1.61	.77	2.23	.90	4.50	1.89	2.180	
August .....	.96	4.50	1.35	.84	.94	1.45	1.46	1.59	3.45	1.95	1.849	
September	2.98	2.33	2.35	2.46	1.57	4.06	.97	2.98	.84	2.92	2.346	
October	4.30	2.76	4.56	2.02	1.78	4.16	2.40	1.45	1.39	3.26	2.808	
November	2.30	2.75	2.76	2.54	1.73	3.25	2.88	3.12	4.54	1.09	2.696	
December	2.91	3.19	2.44	1.05	2.45	1.00	3.43	1.06	1.08	1.35	1.996	
TOTALS	24.38	27.67	25.44	23.38	17.05	26.04	23.29	18.02	25.92	22.21	23.340	

1880. High Roding Ch. nearly 1/2 mile N.W.

RAINFALL AT Yelsted School

Lat. Lon. County of Essex

Blackwater - H. Rain Gauge, by Observer per J. H. Owen

Diameter				5							
Height											
Altitude				248							
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				22.90	16.37	24.82	22.56	16.17	23.43	22.76	

1883-1911 (1895 imp) Totals only, 1912, 1913 Received x 14 Entered 30 x 14

RAINFALL AT *Dunmow New Street*

80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *B. H. Warner Esq*

Blackwater - 4.

Diameter	12										
Height	1. 6										
Altitude	245T	250									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.95	(1.25)	1.25	1.59	2.20	1.49					
February	1.95	2.77	.88	3.54	1.19	2.67					
March .....	.35	1.80	1.75	1.28	1.27	1.08					
April	2.45	.98	2.85	1.64	.82	1.40					
May .....	.34	1.48	1.25	1.54	.30	3.30					
June	2.84	2.12	2.94	2.11	1.27	1.90					
July	3.43	1.50	1.94	1.74	1.48	.69					
August	1.02	4.56	1.42	.76	} 2.30	1.59					
September	2.95	2.51	2.70	2.84		4.07					
October	5.36	2.75	5.04	2.50	2.07	4.53					
November	2.40	2.86	2.88	2.69	1.88	3.60					
December	3.12	3.49	2.48	1.25	2.22	.82					
TOTALS	28.16	(28.07)	27.38	23.48	17.00	27.14	N.R.				

Dunmow Church 1700 yards N.

House 30ft high 28ft E.

RAINFALL AT *Braintree Cammoy*

Lat. Lon. County of *Essex*
Rain Gauge, by Observer *H. J. Cunningham*

Blackwater - 4 -

Diameter									5		
Height									4 -		
Altitude									210 T		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January											
February											
March											
April											
May											
June									<i>#</i> 2.13		
July									4.92		
August									3.15		
September....									1.60		
October									1.23		
November									4.15		
December									86 <i>#</i>		
TOTALS											

Braintree Church 1800 ft. NE

RAINFALL AT *Becking Place, Braintree*

Lat. _____ Lon. _____ County of *Essex*
Rain Gauge, by _____ Observer *S. Crowlald, Esq.*

Blackwater - 14.

Diameter	<i>5</i>						<i>8</i>				
Height	<i>2.0</i>								<i>2.1</i>		
Altitude	<i>212 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.18</i>	<i>1.14</i>	<i>1.42</i>	<i>2.22</i>	<i>2.16</i>	<i>1.70</i>	<i>3.25</i>	<i>1.56</i>	<i>.84</i>	<i>.57</i>	<i>1.504</i>
February	<i>1.86</i>	<i>2.62</i>	<i>1.24</i>	<i>3.73</i>	<i>1.16</i>	<i>2.87</i>	<i>.27</i>	<i>.52</i>	<i>1.47</i>	<i>1.64</i>	<i>1.738</i>
March	<i>.88</i>	<i>1.68</i>	<i>1.43</i>	<i>1.18</i>	<i>1.25</i>	<i>1.72</i>	<i>1.78</i>	<i>1.47</i>	<i>3.11</i>	<i>1.40</i>	<i>1.590</i>
April	<i>2.15</i>	<i>1.45</i>	<i>3.20</i>	<i>1.73</i>	<i>.99</i>	<i>2.13</i>	<i>1.41</i>	<i>1.63</i>	<i>2.11</i>	<i>2.22</i>	<i>1.902</i>
May	<i>.36</i>	<i>1.02</i>	<i>1.35</i>	<i>1.77</i>	<i>.32</i>	<i>4.42</i>	<i>2.41</i>	<i>1.96</i>	<i>.66</i>	<i>4.00</i>	<i>1.827</i>
June	<i>2.24</i>	<i>1.92</i>	<i>3.36</i>	<i>2.61</i>	<i>.96</i>	<i>1.95</i>	<i>.51</i>	<i>.41</i>	<i>1.83</i>	<i>.95</i>	<i>1.674</i>
July	<i>4.48</i>	<i>1.57</i>	<i>2.72</i>	<i>2.33</i>	<i>1.70</i>	<i>.75</i>	<i>3.00</i>	<i>.74</i>	<i>4.61</i>	<i>3.39</i>	<i>2.529</i>
August	<i>.87</i>	<i>4.29</i>	<i>2.19</i>	<i>.52</i>	<i>.87</i>	<i>2.70</i>	<i>1.38</i>	<i>1.94</i>	<i>3.37</i>	<i>2.43</i>	<i>2.056</i>
September . . .	<i>2.66</i>	<i>2.27</i>	<i>3.05</i>	<i>3.69</i>	<i>2.69</i>	<i>5.29</i>	<i>1.03</i>	<i>2.40</i>	<i>1.39</i>	<i>2.12</i>	<i>2.659</i>
October	<i>5.51</i>	<i>2.21</i>	<i>5.42</i>	<i>3.08</i>	<i>2.20</i>	<i>5.24</i>	<i>2.32</i>	<i>1.70</i>	<i>1.27</i>	<i>3.78</i>	<i>3.273</i>
November	<i>2.63</i>	<i>2.94</i>	<i>3.03</i>	<i>3.11</i>	<i>1.68</i>	<i>3.98</i>	<i>3.08</i>	<i>3.60</i>	<i>4.00</i>	<i>1.28</i>	<i>2.933</i>
December	<i>3.05</i>	<i>3.48</i>	<i>3.07</i>	<i>1.39</i>	<i>2.14</i>	<i>1.07</i>	<i>3.35</i>	<i>1.24</i>	<i>1.36</i>	<i>1.16</i>	<i>2.151</i>
TOTALS	<i>26.87</i>	<i>26.59</i>	<i>31.48</i>	<i>27.36</i>	<i>18.12</i>	<i>33.82</i>	<i>23.99</i>	<i>19.17</i>	<i>26.02</i>	<i>24.94</i>	<i>25.836</i>

1881. Braintree 1/2 mile SW.

1886 Jan. 1st Old g. replaced by new 8 in. Negretti.

RAINFALL AT *Braintree Saling Grove* **80**

Lat..... Lon..... County of *Essex*
Rain Gauge, by..... Observer *J. N. Harrison*

Blackwater - 4.

Diameter							8				
Height							1 -				
Altitude							292T 290				
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January							# 2.50	1.05	.73	.73	
February ....								.48	1.55	1.82	
March							} 2.17	1.07	2.90	1.41	
April							1.62	1.32	1.98	2.21	
May								1.42	.69	4.11	
June							} 2.40	.33	1.88	.44	
July ..							2.07	.71	4.16	1.84	
August							1.47	1.11	3.80	2.51	
September....							.93	2.57	1.36	2.35	
October							? .76	1.38	1.32	3.27	
November....							3.32	3.19	4.17	1.29	
December							? 1.61	1.33	1.45	.40	
TOTALS								15.96	25.99	22.38	

Great Saling Church 1/4 mile N.N.W.
1886 Oct. & Dec. amounts too small
1888 Observatory 7 ft 14 ft S

Blackwater - 4.

Diameter	<i>4</i>										
Height	<i>2.6</i>										
Altitude	<i>200 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.15</i>	<i>1.66</i>	<i>1.30</i>	<i>2.17</i>	<i>2.19</i>	<i>.89</i>	<i>2.76</i>	<i>1.10</i>			
February	<i>1.83</i>	<i>2.68</i>	<i>1.10</i>	<i>3.54</i>	<i>1.05</i>	<i>2.23</i>	<i>.15</i>	<i>.35</i>			
March	<i>.83</i>	<i>1.62</i>	<i>2.00</i>	<i>1.84</i>	<i>1.14</i>	<i>1.28</i>	<i>1.56</i>	<i>1.60</i>			
April	<i>2.09</i>	<i>1.28</i>	<i>3.11</i>	<i>1.59</i>	<i>.87</i>	<i>1.85</i>	<i>1.30</i>	<i>1.61</i>			
May	<i>.41</i>	<i>.98</i>	<i>1.22</i>	<i>1.51</i>	<i>.56</i>	<i>3.53</i>	<i>2.52</i>	<i>1.87</i>			
June	<i>2.44</i>	<i>2.04</i>	<i>3.09</i>	<i>2.73</i>	<i>.83</i>	<i>1.59</i>	<i>.62</i>	<i>.48</i>			
July	<i>4.90</i>	<i>1.82</i>	<i>2.86</i>	<i>2.60</i>	<i>1.66</i>	<i>.73</i>	<i>3.53</i>	<i>.38</i>			
August	<i>1.57</i>	<i>4.89</i>	<i>2.19</i>	<i>.87</i>	<i>.89</i>	<i>2.16</i>	<i>1.22</i>	<i>1.45</i>			
September	<i>2.65</i>	<i>2.44</i>	<i>2.80</i>	<i>3.40</i>	<i>2.38</i>	<i>5.08</i>	<i>1.08</i>	<i>2.39</i>			
October	<i>5.08</i>	<i>2.28</i>	<i>4.77</i>	<i>2.69</i>	<i>2.29</i>	<i>4.48</i>	<i>1.65</i>	<i>1.71</i>			
November	<i>2.62</i>	<i>2.62</i>	<i>2.85</i>	<i>2.64</i>	<i>1.27</i>	<i>3.28</i>	<i>2.83</i>	<i>3.30</i>			
December	<i>3.29</i>	<i>3.31</i>	<i>2.62</i>	<i>1.59</i>	<i>2.45</i>	<i>.94</i>	<i>3.12</i>	<i>1.00</i>			
TOTALS	<i>27.86</i>	<i>27.62</i>	<i>29.91</i>	<i>27.17</i>	<i>17.58</i>	<i>28.04</i>	<i>22.34</i>	<i>17.24</i>	<i>(26.02)</i>	<i>(24.94)</i>	

1880. Bocking Ch. 1 mile. S.W.

Lanvel. 8ft high 10ft N

1885 Not very reliable Not much wrong as 9/22

Bocking Place

RAINFALL AT *East Mersea Rectory*

80

Lat.....

Lon.....

County of.....

Essex

Rain Gauge, by.....

Observer.....

Rev F J Ball

Cohne + C - 5.

Diameter . . .									5	5	
Height									1	1	
Altitude									55	56	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					(10.10)				(.95)	.69	
February					(9.30)				(1.67)	1.58	
March					(8.80)				2.37	1.17	
April					(10.10)				1.33	1.62	
May					(12.00)				.73	2.68	
June					(9.30)				2.39	1.65	
July					(11.70)				4.33	2.74	
August					(10.80)				2.14	3.24	
September					(19.60)				1.23	2.07	
October					(16.50)				1.04	4.01	
November					(15.90)				3.92	.88	
December					(14.90)				.90	1.16	
TOTALS					(149.00)				(23.00)	23.49	

East Mersea Church 350 yards

SE

House 30 ft high 30 ft

NW

Trees 15 " " 15 "

W

1881-87 } = Bradwell Hall x $\frac{105}{100}$
- 70586 }

RAINFALL AT

Clacksonville (The Landing)

80

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

W. Maind Esq.

Colne - 5.

Diameter				5							
Height				1.							
Altitude				58.							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January				1.14	1.79						
February				1.78	1.37						
March				1.23	1.06						
April . . . . .				.90	1.05						
May				1.73	.55						
June				2.08	.69						
July				2.45	2.53						
August . . . . .				.43	.38						
September				1.70	4.14						
October				1.66	1.75						
November				2.23	.44						
December				1.38	2.77						
TOTALS				18.71	18.52	92.0					

RAINFALL AT *Great Bentley, Wick 5¹ 0⁰ N. 80*

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *A. Harwood Esq.*

Colne - 5.

Diameter					5						
Height					2.0						
Altitude					915						
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...					1.45	1.32	2.35				
February ...					.74	1.66	.23				
March					1.03	1.04	1.01				
April					1.25	1.26	1.33				
May .....					.22	2.02	2.39				
June					1.29	.91	.33				
July					2.04	.64	2.33				
August .....					.65	1.10	1.64				
September ...					4.28	5.17	1.34				
October					1.67	2.56	1.53				
November ....					.65	2.42	1.78				
December					2.48	1.31	2.90				
TOTALS					17.75	21.41	19.16				

1884 *Great Bentley Church 2 1/2 miles N. W.*

House 30ft. high 60ft. E.

1887 *Record unreliable owing to builders & building*

RAINFALL AT St Bentley (The Looe)

80

Lat.

Lon.

County of Essex.

Rain Gauge, by

Observer Capt. W. Mass Self.

Colne - 5.

Diameter				6							
Height .....				.6							
Altitude				150							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ...				1.20	1.21	1.96	2.21	1.20	1.23		
February ...				1.61	.72	2.01	.41	.43	1.58		
March				1.16	1.02	1.10	1.65	.91	2.25		
April				2.05	1.04	1.23	1.32	1.56	1.38		
May				1.16	.26	2.18	2.31	1.36	.75		
June				3.30	1.21	.92	.26	.78	3.23		
July				1.76	2.33	.63	3.38	.11	3.95		
August .....				.57	.43	.73	1.90	1.78	1.75		
September ...				2.21	3.88	5.57	1.41	2.41	.89		
October				3.19	1.69	2.90	1.67	1.60	1.10		
November				2.09	.65	2.55	2.48	3.28	3.52		
December				2.63	2.32	1.05	2.44	1.52	1.05		
TOTALS				22.93	16.76	22.83	21.44	16.94	22.68		

St Mark's Ch. 1 1/2 m. N.

1884 St Bentley Church 1 m W.

House 32 ft high 45 ft W.

RAINFALL AT

Colchester, Beverley Road

80

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

W. G. Benham Esq.

Colne - 5.

Diameter						5					
Height						8.0					
Altitude						119 ft					
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January						1.33	2.84				
February						2.42	.34				
March						1.36	1.37				
April						1.27	1.74				
May						2.37	2.95				
June						1.07	.45				
July ..						1.27	2.36				
August						1.18	1.17				
September						6.28	1.49				
October						3.81	2.00				
November						2.56	2.91				
December						1.00	3.10				
TOTALS						25.92	22.72				

St. Mary the Virgin 3/4 mile E.

1886

Tree

abt. 15 ft W

RAINFALL AT Bolchester

80

Lat. Lon. County of Essex

Rain Gauge, by Observer Herbert Goodyear Esq

Cohne - 5.

Diameter								8			
Height								4.0	3.0		
Altitude								68	↑		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January								1.54	1.18	.87	
February ....								.43	1.23	1.79	
March								1.36	2.63	1.00	
April								1.54	1.65	1.66	
May								1.54	.81	3.14	
June .....								.31	2.55	1.91	
July								1.47	3.79	2.60	
August								1.42	2.61	2.21	
September....								2.03	1.08	1.90	
October								1.48	1.04	3.82	
November....								3.08	4.02	1.28	
December								1.05	.81	1.13	
TOTALS								17.25	23.40	23.31	

1887 St Giles 140 yards SE
 Brick Building 11 ft high 8 ft to angle SW
 House 15 1/2 ft " 2 ft E

RAINFALL AT Surrey Villa Colchester

80

Lat.

Lon.

County of Essex

Rain Gauge, by

Observer Joseph Cooke Hopwood Esq

Colne - 5.

Diameter								5			
Height								1. 0			
Altitude						100				108	
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January						1.38	2.88	1.65	1.02	.85	
February						2.57	.75	.43	1.28	1.58	
March						1.38	.76	1.19	3.03	1.07	
April						1.28	1.82	1.59	1.97	1.96	
May						1.80	2.94	1.33	.94	3.60	
June						1.08	.44	.24	2.66	1.37	
July						1.22	2.39	1.66	4.72	2.71	
August						1.07	1.15	1.96	2.75	2.24	
September....						6.10	1.50	2.35	1.22	2.09	
October						4.42	1.92	1.45	1.14	4.38	
November....						2.65	2.68	3.43	4.42	1.24	
December ....						.92	2.68	1.03	.87	1.16	
TOTALS						25.87	21.91	18.31	26.02	24.25	

1887 St Mary's at the Wall 1/2 mile N E

Trees large 60 to 80 ft away S E W

RAINFALL AT Colchester Leaden Hill House.

Lat. Lon. County of Essex

Rain Gauge, by ... Observer S. F. Sturmand

Cole - 5.

Diameter . . .										5	
Height										3	
Altitude										90	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January										70?	
February										1.99	
March										1.10	
April										1.98	
May										3.80	
June										1.78	
July										2.86	
August										2.11	
September . . .										2.63	
October										4.29	
November										1.25	
December										1.21	
TOTALS										25.70?	

New Snowden gauge Oct 4.15 Nov. 1.09 Dec. 1.10

7

RAINFALL AT *Chalkney House, Earls Colne*

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observed *H. F. Hills, Esq.*

Colne + c-5.

Diameter	<i>5"</i>											
Height	<i>1.0</i>											
Altitude	<i>180 T</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.19</i>	<i>1.46</i>	<i>1.27</i>	<i>1.84</i>	<i>1.74</i>	<i>1.67</i>	<i>2.59</i>	<i>1.50</i>	<i>1.29</i>	<i>1.77</i>	<i>1.532</i>	
February	<i>1.54</i>	<i>2.29</i>	<i>1.06</i>	<i>3.07</i>	<i>1.18</i>	<i>2.39</i>	<i>.18</i>	<i>.56</i>	<i>1.74</i>	<i>1.76</i>	<i>1.577</i>	
March	<i>.72</i>	<i>1.49</i>	<i>1.41</i>	<i>.91</i>	<i>1.14</i>	<i>1.22</i>	<i>1.75</i>	<i>1.63</i>	<i>2.81</i>	<i>1.36</i>	<i>1.444</i>	
April	<i>2.05</i>	<i>1.24</i>	<i>3.38</i>	<i>1.37</i>	<i>.82</i>	<i>1.10</i>	<i>.87</i>	<i>1.20</i>	<i>1.87</i>	<i>1.85</i>	<i>1.575</i>	
May	<i>.25</i>	<i>.69</i>	<i>1.47</i>	<i>1.48</i>	<i>.30</i>	<i>2.82</i>	<i>2.17</i>	<i>1.86</i>	<i>.69</i>	<i>3.58</i>	<i>1.531</i>	
June	<i>1.91</i>	<i>1.68</i>	<i>2.38</i>	<i>2.07</i>	<i>.86</i>	<i>1.00</i>	<i>.40</i>	<i>.29</i>	<i>2.67</i>	<i>1.80</i>	<i>1.506</i>	
July	<i>3.73</i>	<i>1.66</i>	<i>2.81</i>	<i>2.12</i>	<i>2.35</i>	<i>.93</i>	<i>2.89</i>	<i>1.18</i>	<i>4.40</i>	<i>2.83</i>	<i>2.490</i>	
August	<i>1.13</i>	<i>3.14</i>	<i>1.65</i>	<i>1.02</i>	<i>.85</i>	<i>1.79</i>	<i>1.22</i>	<i>1.78</i>	<i>2.53</i>	<i>2.82</i>	<i>1.793</i>	
September	<i>3.68</i>	<i>1.91</i>	<i>2.60</i>	<i>2.52</i>	<i>2.83</i>	<i>5.25</i>	<i>1.81</i>	<i>1.97</i>	<i>1.68</i>	<i>2.02</i>	<i>2.627</i>	
October	<i>5.36</i>	<i>2.12</i>	<i>4.65</i>	<i>2.66</i>	<i>2.13</i>	<i>4.17</i>	<i>2.25</i>	<i>1.66</i>	<i>1.28</i>	<i>4.25</i>	<i>3.053</i>	
November	<i>1.86</i>	<i>1.96</i>	<i>2.56</i>	<i>2.67</i>	<i>1.21</i>	<i>3.01</i>	<i>2.81</i>	<i>3.58</i>	<i>4.58</i>	<i>1.62</i>	<i>2.586</i>	
December	<i>2.29</i>	<i>3.02</i>	<i>2.72</i>	<i>1.36</i>	<i>1.88</i>	<i>.93</i>	<i>3.49</i>	<i>1.11</i>	<i>1.02</i>	<i>1.50</i>	<i>1.932</i>	
TOTALS	<i>24.71</i>	<i>22.66</i>	<i>27.96</i>	<i>23.09</i>	<i>17.29</i>	<i>26.28</i>	<i>22.43</i>	<i>18.32</i>	<i>26.56</i>	<i>27.16</i>	<i>23.646</i>	

1880. Earls Colne, 1 1/2 miles. W.

1882 Shrubs 4 and 5 ft high many yards S., E. and W.

RAINFALL AT *Halstead, Gosfield Hall (The Gardens)*

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer

Globe - 5

Diameter											
Height											
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					1.54						
February					1.09						
March					1.04						
April .....					.89						
May .....					.30						
June .....					.86						
July .....					.80						
August .....					.88						
September					2.32						
October					1.98						
November					1.08						
December					2.01						
TOTALS					14.79						

1884 read - entered x.25

RAINFALL AT Heddingham (Toppesfield)80

Lat. Lon. County of Essex

Rain Gauge, by ... Observer D. P. Sharple Esq.

Colne - 5.

Diameter											
Height											
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January				1.55	1.63	1.63	2.48				
February				3.26	1.01	2.68	.18				
March				1.16	1.01	(1.25)	1.40				
April				1.44	.77	1.95	1.14				
May				1.54	.34	3.19	2.74				
June				2.49	1.35	1.58	.58				
July				1.72	1.86	1.22	2.70				
August				1.56	.96	1.84	1.54				
September....				2.56	1.96	3.70	1.02				
October				2.85	2.20	4.53	1.77				
November....				2.43	1.45	3.16	2.94				
December				1.81	2.13	.84	3.12				
TOTALS				24.77	16.67	(27.57)	21.61				

Mar. 1885 Roughly est. (lower than 18.11)

NB. Rejected from Survey as 1" low.

RAINFALL AT *Lawford, Mannington*

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *O. Bendall, Jun., Esq.*

Stons - 6.

Diameter	<i>5</i>											
Height	<i>1. 0</i>											
Altitude												
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.11</i>	<i>1.10</i>	<i>1.06</i>	<i>1.79</i>	<i>1.60</i>	<i>1.16</i>	<i>2.46</i>	<i>1.54</i>				
February	<i>1.65</i>	<i>2.39</i>	<i>.96</i>	<i>2.32</i>	<i>1.01</i>	<i>2.42</i>	<i>.23</i>	<i>.39</i>				
March	<i>.76</i>	<i>1.64</i>	<i>1.32</i>	<i>.87</i>	<i>1.45</i>	<i>1.18</i>	<i>1.32</i>	<i>1.26</i>				
April	<i>1.24</i>	<i>1.27</i>	<i>3.07</i>	<i>.80</i>	<i>1.18</i>	<i>1.15</i>	<i>1.50</i>	<i>1.17</i>				
May	<i>.40</i>	<i>1.37</i>	<i>1.61</i>	<i>1.58</i>	<i>.28</i>	<i>2.47</i>	<i>2.33</i>	<i>1.38</i>				
June	<i>1.98</i>	<i>2.18</i>	<i>2.29</i>	<i>3.13</i>	<i>1.00</i>	<i>1.05</i>	<i>.29</i>	<i>.24</i>				
July	<i>3.32</i>	<i>1.31</i>	<i>3.20</i>	<i>2.18</i>	<i>1.83</i>	<i>.99</i>	<i>2.50</i>	<i>.99</i>				
August	<i>1.12</i>	<i>3.62</i>	<i>1.85</i>	<i>.29</i>	<i>.85</i>	<i>.62</i>	<i>1.57</i>	<i>1.97</i>				
September	<i>2.27</i>	<i>2.03</i>	<i>2.68</i>	<i>2.87</i>		<i>6.09</i>	<i>1.15</i>	<i>2.43</i>				
October	<i>4.99</i>	<i>2.75</i>	<i>4.51</i>	<i>1.54</i>	<i>(8.34)</i>	<i>3.66</i>	<i>2.24</i>	<i>1.59</i>				
November	<i>2.29</i>	<i>1.63</i>	<i>2.85</i>	<i>2.55</i>		<i>2.44</i>	<i>2.63</i>	<i>3.54</i>				
December	<i>2.12</i>	<i>3.18</i>	<i>3.03</i>	<i>1.30</i>		<i>.85</i>	<i>3.62</i>	<i>1.06</i>				
TOTALS	<i>22.25</i>	<i>24.47</i>	<i>28.43</i>	<i>22.02</i>	<i>(17.54)</i>	<i>24.08</i>	<i>21.84</i>	<i>17.56</i>	<i>91.9</i>			

*

Completed by Dedham (Excerpt 1x.11)

RAINFALL AT *Lower Park, Dedham* 80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *W. H. Penrose, Esq.*

Stour - 6.

Diameter	8										
Height	10							1.0			
Altitude	49 \uparrow						43			45	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....	.12	1.10	1.18	1.87	1.72	1.55	2.48	1.44	1.22	.66	
February	1.73	2.39	.92	2.57	1.19	2.93	.21	.50	1.41	1.52	
March .....	.90	1.64	1.26	1.24	1.43	1.24	1.33	1.35	2.57	1.39	
April	1.35	1.27	3.23	1.13	1.07	1.34	1.40	1.38	1.35	1.84	
May .....	.29	1.37	1.16	1.89	.45	2.64	2.78	1.84	.81	4.01	
June	2.54	2.18	2.51	2.03	1.02	1.49	.52	.27	1.76	2.28	
July	2.99	1.31	3.09	1.75	1.75	1.16	2.85	1.27	4.01	2.49	
August	1.09	3.62	2.17	.35	.70	.55	1.33	1.81	2.44	2.52	
September	2.37	2.03	2.56	2.70	3.39	(6.04)	1.24	2.22	1.24	1.53	
October	6.19	2.75	4.52	2.50	1.79	3.82	3.38	1.86	1.12	4.07	
November	2.52	1.63	2.55	3.00	.64	2.79	2.65	3.39	3.91	1.36	
December	2.25	3.18	3.24	1.75	2.52	1.01	3.37	1.18	.96	1.29	
TOTALS	24.34	(24.47)	28.39	22.78	17.67	(26.56)	23.54	18.51	22.80	24.96	

*

1885 Oct. 12 Gauge moved to The Rookery about 1 mile W of Lower Park.

1886 Dedham Church $\frac{3}{4}$ mile E.

House 40 ft high 60 ft. E.

* The record inserted for 1881 is that for Lawford Manningtree. The 1881 record for Dedham was not received.

J. G.

Nov. 1962

80

RAINFALL AT *Langham Rectory Colchester*

Lat..... Lon..... County of *Essex*

Rain Gauge, by..... Observer *J. L. Raffles*

Stour - 6.

Diameter								5			
Height								12			
Altitude								134			
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									1.02	.65	
February									1.59	1.66	
March									2.36	.92	
April									1.43	1.53	
May .....									.66	4.01	
June									1.89	2.20	
July									4.16	2.60	
August									2.15	2.75	
September....								2.12	2.12	1.33	1.64
October								1.73	1.00	3.88	
November....								2.40	3.84	1.32	
December								1.04	87	1.06	
TOTALS									22.30	24.22	

1887 Langham Ch 1/2 mile
1888 " " " "

RAINFALL AT *Newport-Saffron Walden*

80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *Rev. G. F. Tappin*

case - 7.

Diameter	<i>5</i>										
Height	<i>4.6</i>		<i>2 - 4</i>								
Altitude	<i>80?</i>			<i>180 T</i>			<i>220 T</i>			<i>200</i>	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.17</i>	<i>1.28</i>	<i>1.36</i>	<i>1.68</i>	<i>2.12</i>	<i>2.05</i>	<i>3.16</i>	<i>2.03</i>	<i>.78</i>	<i>.69</i>	<i>1.532</i>
February	<i>2.45</i>	<i>3.02</i>	<i>1.51</i>	<i>3.93</i>	<i>.59</i>	<i>2.70</i>	<i>.23</i>	<i>0.69</i>	<i>1.12</i>	<i>1.72</i>	<i>1.796</i>
March	<i>.91</i>	<i>1.43</i>	<i>1.61</i>	<i>.99</i>	<i>1.00</i>	<i>1.02</i>	<i>2.00</i>	<i>1.33</i>	<i>3.77</i>	<i>1.56</i>	<i>1.562</i>
April	<i>2.15</i>	<i>1.33</i>	<i>2.88</i>	<i>2.27</i>	<i>1.08</i>	<i>1.53</i>	<i>1.32</i>	<i>.82</i>	<i>1.82</i>	<i>2.70</i>	<i>1.790</i>
May	<i>.43</i>	<i>1.05</i>	<i>1.21</i>	<i>1.26</i>	<i>.42</i>	<i>3.03</i>	<i>3.19</i>	<i>2.16</i>	<i>.87</i>	<i>3.50</i>	<i>1.712</i>
June	<i>2.95</i>	<i>1.98</i>	<i>2.65</i>	<i>2.44</i>	<i>1.65</i>	<i>.86</i>	<i>.59</i>	<i>.41</i>	<i>1.75</i>	<i>2.27</i>	<i>1.755</i>
July	<i>3.96</i>	<i>1.60</i>	<i>2.37</i>	<i>2.92</i>	<i>1.65</i>	<i>1.01</i>	<i>2.16</i>	<i>1.40</i>	<i>3.80</i>	<i>2.88</i>	<i>2.375</i>
August	<i>1.24</i>	<i>4.64</i>	<i>1.48</i>	<i>1.37</i>	<i>1.05</i>	<i>1.56</i>	<i>2.06</i>	<i>2.27</i>	<i>2.75</i>	<i>2.53</i>	<i>2.095</i>
September	<i>2.90</i>	<i>2.26</i>	<i>1.97</i>	<i>3.32</i>	<i>1.15</i>	<i>3.81</i>	<i>1.14</i>	<i>2.71</i>	<i>1.72</i>	<i>2.03</i>	<i>2.301</i>
October	<i>4.92</i>	<i>2.49</i>	<i>4.82</i>	<i>2.17</i>	<i>2.11</i>	<i>5.30</i>	<i>2.54</i>	<i>1.72</i>	<i>.95</i>	<i>4.27</i>	<i>3.129</i>
November	<i>2.20</i>	<i>2.50</i>	<i>3.25</i>	<i>2.87</i>	<i>1.51</i>	<i>3.08</i>	<i>2.94</i>	<i>2.95</i>	<i>3.96</i>	<i>1.11</i>	<i>2.637</i>
December	<i>2.60</i>	<i>3.76</i>	<i>2.39</i>	<i>1.48</i>	<i>2.07</i>	<i>.93</i>	<i>4.22</i>	<i>1.30</i>	<i>1.18</i>	<i>1.43</i>	<i>2.136</i>
TOTALS	<i>26.88</i>	<i>27.34</i>	<i>27.50</i>	<i>26.70</i>	<i>16.40</i>	<i>26.88</i>	<i>25.55</i>	<i>19.79</i>	<i>24.47</i>	<i>26.69</i>	<i>24.820</i>

1880. Newport Ch. 50 yards. 15'

1883

50 yds high 100 yds

RAINFALL AT *Sapron Walden*

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *J. G. Bellingham**ouse - 7.**E. G.*

Diameter	<i>5</i>										
Height	<i>1.0</i>										
Altitude	<i>180 ft</i>			<i>189 ft</i>							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.15</i>	<i>1.13</i>	<i>1.46</i>	<i>1.30</i>	<i>1.82</i>	<i>1.64</i>	<i>2.91</i>	<i>1.94</i>	<i>.75</i>	<i>.67</i>	<i>1.377</i>
February	<i>2.20</i>	<i>2.88</i>	<i>1.52</i>	<i>3.67</i>	<i>.66</i>	<i>2.55</i>	<i>.23</i>	<i>.68</i>	<i>1.12</i>	<i>1.76</i>	<i>1.727</i>
March	<i>1.03</i>	<i>1.42</i>	<i>1.59</i>	<i>.96</i>	<i>.94</i>	<i>.98</i>	<i>1.82</i>	<i>1.56</i>	<i>3.18</i>	<i>1.75</i>	<i>1.523</i>
April	<i>2.11</i>	<i>1.22</i>	<i>3.67</i>	<i>2.31</i>	<i>1.07</i>	<i>1.63</i>	<i>1.24</i>	<i>.95</i>	<i>1.50</i>	<i>2.93</i>	<i>1.863</i>
May	<i>.55</i>	<i>.97</i>	<i>1.26</i>	<i>1.12</i>	<i>.29</i>	<i>3.18</i>	<i>2.99</i>	<i>1.93</i>	<i>.95</i>	<i>3.29</i>	<i>1.653</i>
June	<i>3.52</i>	<i>2.15</i>	<i>2.98</i>	<i>2.97</i>	<i>1.68</i>	<i>1.74</i>	<i>.81</i>	<i>.52</i>	<i>1.40</i>	<i>1.56</i>	<i>1.933</i>
July	<i>3.94</i>	<i>1.61</i>	<i>2.28</i>	<i>2.87</i>	<i>1.46</i>	<i>.67</i>	<i>2.33</i>	<i>.85</i>	<i>3.69</i>	<i>3.19</i>	<i>2.289</i>
August	<i>1.22</i>	<i>5.25</i>	<i>1.44</i>	<i>1.46</i>	<i>1.30</i>	<i>1.48</i>	<i>2.25</i>	<i>2.19</i>	<i>2.88</i>	<i>2.56</i>	<i>2.203</i>
September	<i>3.35</i>	<i>2.17</i>	<i>2.03</i>	<i>3.62</i>	<i>1.53</i>	<i>3.68</i>	<i>1.21</i>	<i>2.36</i>	<i>1.65</i>	<i>1.96</i>	<i>2.356</i>
October	<i>5.14</i>	<i>2.35</i>	<i>5.27</i>	<i>2.28</i>	<i>2.10</i>	<i>4.90</i>	<i>2.85</i>	<i>1.79</i>	<i>.96</i>	<i>4.24</i>	<i>3.188</i>
November	<i>2.16</i>	<i>2.29</i>	<i>3.29</i>	<i>3.01</i>	<i>1.03</i>	<i>2.88</i>	<i>2.91</i>	<i>2.66</i>	<i>3.70</i>	<i>.97</i>	<i>2.490</i>
December	<i>2.67</i>	<i>3.55</i>	<i>2.32</i>	<i>1.30</i>	<i>1.84</i>	<i>.95</i>	<i>3.88</i>	<i>1.26</i>	<i>1.08</i>	<i>1.47</i>	<i>2.032</i>
TOTALS	<i>28.04</i>	<i>26.99</i>	<i>29.11</i>	<i>26.87</i>	<i>15.72</i>	<i>26.28</i>	<i>25.43</i>	<i>18.69</i>	<i>22.86</i>	<i>26.35</i>	<i>24.634</i>