

RAINFALL AT *Harpenden Grange* *Newport Minster*

60

J J Mitchell

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

Height above Ground, *1*... ft. in.

Above Mean Sea Level, *366*... ft.

Inst. - 3.

YEAR	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January						<i>6.10</i>	<i>6.82</i>	<i>6.39</i>	<i>7.45</i>	<i>7.89</i>	
February						<i>2.96</i>	<i>5.63</i>	<i>3.48</i>	<i>2.61</i>	<i>5.47</i>	
March						<i>1.54</i>	<i>2.53</i>	<i>4.38</i>	<i>3.17</i>	<i>1.94</i>	
April						<i>.28</i>	<i>2.19</i>	<i>4.10</i>	<i>3.41</i>	<i>1.50</i>	
May						<i>1.99</i>	<i>.93</i>	<i>4.13</i>	<i>2.16</i>	<i>5.70</i>	
June						<i>1.02</i>	<i>3.09</i>	<i>1.21</i>	<i>.62</i>	<i>.84</i>	
July						<i>3.49</i>	<i>1.79</i>	<i>3.90</i>	<i>.23</i>	<i>1.33</i>	
August						<i>5.86</i>	<i>3.87</i>	<i>1.48</i>	<i>5.22</i>	<i>1.64</i>	
September ...						<i>.13</i>	<i>11.19</i>	<i>2.59</i>	<i>5.00</i>	<i>7.38</i>	
October						<i>8.32</i>	<i>2.75</i>	<i>4.59</i>	<i>3.15</i>	<i>1.71</i>	
November ...						<i>4.63</i>	<i>2.87</i>	<i>2.10</i>	<i>4.78</i>	<i>2.57</i>	
December						<i>4.45</i>	<i>4.77</i>	<i>.53</i>	<i>9.73</i>	<i>8.52</i>	
TOTALS						<i>41.57</i>	<i>48.43</i>	<i>38.96</i>	<i>47.53</i>	<i>46.49</i>	

Gauge on Lawn sloping to the East.
1868 Nov. 21st 2.26 the heaviest fall I have had

RAINFALL AT *Caerleon, Llanfarcha Grange*

Lat..... Lon..... County of *Monmouth*

Rain Gauge, by..... Observer *J. L. Nicholls Esq.*

Mar-3. *Av 1881-1915* *42.4*

Diameter .....	.5										
Height	1	0	4	0							
Altitude	340		326	^π				322		326	
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	4.07	2.39	9.85	9.77	6.07	8.33	2.77	10.47	2.99	4.59	6.130
February.....	4.27	3.37	5.29	1.81	3.82	2.07	7.85	4.04	4.72	8.85	4.609
March	1.90	2.53	5.34	6.03	3.46	2.88	5.39	3.51	2.25	1.76	3.505
April	33	6.15	2.20	62	2.98	3.15	3.86	4.56	4.60	3.63	3.208
May	2.62	7.00	2.06	2.53	2.9	4.05	4.2	4.40	6.97	3.56	2.790
June.....	22	1.91	4.18	3.30	1.38	5.54	1.92	2.54	5.91	8.53	3.523
July	3.31	5.20	3.68	4.18	1.08	8.44	1.00	4.18	1.35	4.47	3.689
August.....	3.85	4.60	2.68	4.03	5.24	2.67	6.02	6.19	8.24	8.33	5.155
September.....	2.79	8.32	3.29	3.06	5.60	4.68	8.50	4.36	4.58	5.44	5.062
October.....	8.25	3.76	6.90	4.00	5.87	7.77	4.90	5.76	6.35	1.12	5.468
November.....	4.64	1.21	9.67	1.01	3.28	8.90	6.52	8.46	5.06	8.5	4.960
December.....	2.54	4.67	7.13	1.09	6.32	3.50	11.64	4.45	3.88	1.99	4.721
TOTALS	38.79	45.11	62.27	41.43	45.39	61.98	60.79	62.92	56.90	53.12	52.876

1871 *9* put on a post in consequence of the growth of shrubs
 1875 Gauge overflowed on 14th July amount obtained from a neighbouring station
 1878 Shrubs 10ft high & 15ft distant
 1879 *Llanfarcha* 1 mile E.

RAINFALL AT *Llanfrechfa Grange*

Lat.

Lon.

County of *Monmouth*

Rain Gauge, by

Observer *F. J. Mitchell, Esq.*

usktc-3.

Diameter	5											
Height	4.0											
Altitude	326 ft											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January .....	.80	2.32	4.21	6.78	6.65	3.71	6.52	3.49	1.57	1.68	3.773	
February	4.07	7.08	3.74	4.99	4.64	5.49	1.53	1.13	1.10	1.23	3.500	
March	2.85	4.28	2.61	.94	3.73	1.89	4.86	2.99	4.89	4.53	3.354	
April	2.13	1.05	5.71	.85	1.22	2.42	2.61	1.75	1.63	4.53	2.390	
May	1.74	2.82	2.42	1.85	1.95	3.71	7.81	2.78	2.33	3.86	3.127	
June	2.83	3.40	5.32	1.92	2.20	2.84	.64	.82	3.82	.77	2.456	
July	7.08	3.03	5.5	4.93	3.83	.71	3.66	2.00	7.62	3.77	4.178	
August	4.6	5.57	3.50	1.98	2.16	2.43	1.79	2.61	2.93	3.88	2.731	
September	4.06	1.86	4.23	7.09	2.05	6.69	3.00	2.85	1.21	2.98	3.595	
October	6.57	3.63	8.25	3.82	1.10	4.49	5.62	3.18	1.71	3.08	4.145	
November	5.85	7.70	6.62	5.86	2.71	5.79	4.17	4.21	8.75	1.67	5.333	
December	5.26	3.98	5.46	1.13	6.14	1.97	6.04	3.26	5.46	1.95	4.065	
TOTALS	43.70	46.72	57.22	42.14	38.38	42.04	48.25	31.10	43.02	33.93	42.650	

1880. *Llanfrechfa*

1 mile

S. by E.

Shrubs 8ft. high 15ft. N.

RAINFALL AT *Llanfachesfa Grange*

Lat. _____

Lon. _____

County of *Monmouth*

Rain Gauge, by _____

Observer *F. J. Mitchell Esq.*

inst. &c. - 3.

Diameter	5										
Height	4 0										
Altitude	326 ft										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	6.71	4.14	2.21	2.59	4.05	5.25	1.03	2.53	.79	7.11	3.641
February ....	.58	.00	2.57	6.44	5.16	.05	.65	3.72	1.71	3.94	2.482
March	1.23	2.17	1.10	.29	3.99	4.20	4.33	5.58	1.11	1.82	2.582
April	1.27	2.49	1.12	.33	2.13	3.00	.89	4.65	2.53	4.23	2.264
May	2.40	4.93	2.22	3.32	2.71	.34	.49	2.07	3.37	3.29	2.514
June	2.25	2.54	2.19	.90	2.59	1.49	2.51	3.17	1.82	2.01	2.147
July	3.32	2.48	3.31	3.51	4.82	4.17	1.66	2.21	.96	.31	2.675
August	3.46	8.75	4.18	2.87	4.19	4.34	1.81	8.22	3.81	1.76	4.239
September....	1.55	1.96	3.39	1.98	3.41	1.53	8.16	5.02	2.60	3.27	3.298
October	1.23	8.93	3.34	3.36	6.34	3.70	5.23	1.72	7.51	3.84	4.520
November....	4.35	3.92	3.58	1.69	5.91	6.76	1.03	4.44	5.15	4.81	4.164
December	1.56	7.13	1.56	5.46	4.03	4.48	6.84	7.28	5.28	3.15	4.677
TOTALS	30.02	49.44	30.77	32.74	49.33	39.31	34.63	50.61	36.64	39.54	37.303

1890 *Llanfachesfa Church* 1 Mile ³ E
Shrub 15 ft high 15 ft N

1890 -

RAINFALL AT Llanfarcha fange

Lat. _____ Lon. _____ County of Monmouth

Rain Gauge, by Casella Observer F. J. Mitchell Esq

11k rc-3.

Diameter ..	5										
Height	4.0										
Altitude ..	326 π										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.66	3.44	2.17	6.25	6.19	1.42	7.53	2.96	2.09	1.30	3.901
February ..	9.31	1.21	2.26	2.84	6.68	.82	3.90	2.58	1.98	.65	3.223
March	1.11	3.14	2.45	6.39	1.93	5.81	2.37	2.29	4.23	5.43	3.515
April	1.42	4.88	2.40	2.17	2.01	3.69	1.17	3.57	2.01	3.06	2.638
May	2.33	1.23	1.81	4.27	3.12	.28	3.81	3.69	2.12	1.79	2.445
June	2.19	2.65	3.70	2.68	1.50	3.61	3.37	4.43	1.15	3.14	2.842
July	1.79	2.56	1.59	2.98	4.85	.69	.73	3.30	3.58	2.57	2.464
August	4.33	3.12	4.18	5.89	3.13	5.15	2.51	3.89	6.69	2.91	4.180
September ..	1.72	2.87	2.82	4.02	2.54	2.59	1.22	.92	3.11	4.59	2.640
October	5.87	1.88	4.29	11.43	1.38	2.55	7.73	6.93	2.58	7.73	5.237
November ..	4.26	1.11	4.18	1.84	2.31	4.82	3.55	3.91	1.91	2.76	3.065
December ..	8.10	6.40	4.37	3.95	3.43	1.28	1.92	8.37	4.43	8.56	5.081
TOTALS ..	48.09	34.49	36.22	54.71	39.07	32.71	39.81	46.84	35.88	44.49	41.231 655

1900 Llanfarcha Church 1 mile SE
 Shrub 14 ft high 25 ft NE
 1903 Llantarnam Station 3/4 mile S.W.

RAINFALL at

Llanfechfa Grange

County of MonmouthObserver F. J. Mitchell EsqRiver Basin Uk & C 3May 1st 1891 W. F. Clave

1913

Rain Gauge, by Caesalla

An. Av. 1916-21 43.68" (1916-50)

Diameter ...	5										
Height	4.0										
Altitude ...	326 π										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.78	1.46	6.63	8.02	1.81	3.75	4.06	1.24	4.24	6.22	
February ...	6.19	3.92	4.26	2.61	4.97	6.00	5.43	1.10	2.85	5.96	
March	2.10	2.83	7.37	7.17	4.77	1.22	4.85	2.50	2.86	6.45	
April	2.79	3.13	.39	6.10	2.57	1.36	1.39	1.23	2.50	1.86	
May	2.48	2.11	2.71	3.51	2.19	3.65	4.24	4.18	2.96	3.2	
June	4.69	2.35	8.27	1.32	2.81	1.02	3.32	3.17	1.21	1.04	
July	2.39	.32	5.05	.60	5.58	6.17	1.93	2.53	5.61	1.74	
August	6.43	2.55	8.49	1.52	2.41	2.30	3.61	8.87	3.57	5.53	
September ..	.26	2.02	.96	4.34	2.09	1.00	1.53	3.38	10.06	2.33	
October ...	4.96	4.34	6.08	6.57	2.94	4.71	10.50	5.17	3.07	2.65	
November ..	6.94	6.89	3.16	5.04	5.86	2.93	4.16	2.15	3.21	5.61	
December ...	6.26	10.45	7.81	2.21	9.07	9.87	3.20	.89	5.45	6.87	
TOTALS ...	51.47	42.37	61.68	49.01	47.07	43.98	48.22	36.41	47.59	41.56	46.936
	π	π	π	π	π	π	π	π	π	π	

1912 Shrub 14 ft high 25 ft N

12 W

N.G.R. 311946

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.38.42	2.59.40 W	Llantarnam	1.7 m	S by W	Llanfechfa	1.7 m	S by E

RAINFALL at Llanfychfa GrangeCounty of H CarmarthenshireObserver Major W. F. Colver *dec 3/1/22*
British Manufacturing Lube Co.
(S. K. Davies).River Basin Uk. TC-3Casella Rain Gauge, by Casella

An. As. 43.68" 1916-21 (1916-50)

Diameter ...	5										
Height	4										
Altitude ...	326										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	5.87	4.44	4.16								
February ...	1.19	.11	5.39								
March	4.52	3.09	3.10								
April	6.29	.85	3.90								
May	3.39	1.99	1.13								
June	3.96	.20	1.27								
July	5.67	.97	4.05								
August	1.62	3.24	3.47								
September...	3.23	2.68									
October.....	4.13	(2.00)	1.85								
November...	2.70	(3.50)	2.35								
December...	6.08	3.20									
TOTALS	48.65	(26.27)									
	p	d									

1921. oct. 5 not data from map.

Position of Station on reduced Ordnance Survey } No. of Map
Map, 2 miles to 1 inch Series

Reference No. 311946

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 38'	3° W	Llanfychfa	7/8 mile	S.W.	Llanfychfa Grange	1/2 mile	S.E.