

# RAINFALL AT

*Ystalyfera Wern School*

Lat. ....

Lon. ....

County of

*Glamorgan*

Rain Gauge, by

Observer

*Mr J. Williams*

*June - 3.*

Diameter . . .					5						
Height . . . . .					13						
Altitude . . . .					230	240					
Year . . . . .	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . . .					# 8.88	6.24	3.07	2.73	5.28	10.98	
February . . . .					9.31	.16	1.80	7.31	3.34	6.09	
March . . . . .					6.07	7.24	7.20	8.82	2.18	3.26	
April . . . . .					2.85	4.04	1.61	5.47	3.86	6.96	
May . . . . .					4.81	.36	.07	2.43	4.24	5.37	
June . . . . .					3.52	1.07	2.51	4.53	3.75	1.82	
July . . . . .					5.78	7.64	3.63	2.27	1.23	1.95	
August . . . . .					6.24	7.95	3.69	10.25	7.94	2.59	
September . . . .					1.59	2.40	11.76	7.45	2.72	3.73	
October . . . . .					9.35	4.45	7.17	3.68	8.63	5.60	
November . . . .					10.50	8.87	2.46	5.62	6.61	5.31	
December . . . .					7.24	5.91	12.03	11.21	10.72	4.05	
TOTALS . . .					76.14	56.33	57.00	71.77	60.50	57.71	

*Ystradgynlais Ch 2 miles NE*

# RAINFALL AT *Ystalyfera Wern School*

Lat. .... Lon. .... County of *Glamorgan*

Rain Gauge, by .... Observer *W. Williams*

*Tawe - 3.*

Diameter ..	5										
Height ....	1 3										
Altitude ..	240 T										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	8.57	4.45	4.47	9.20	10.25	2.53	9.82	4.42	6.36	3.63	6.370
February ..	8.00	2.37	1.93	5.99	7.33	2.99	6.58	3.91	4.24	1.14	4.448
March ....	1.06	4.75	4.93	12.28	2.79	9.23	4.51	3.32	5.40	7.26	5.553
April .....	2.78	6.17	3.42	2.72	5.19	6.13	1.44	5.03	3.11	5.64	4.163
May .....	4.90	1.69	3.47	3.65	5.11	.69	7.17	4.54	4.51	2.70	3.843
June .....	5.29	4.57	3.38	1.02	2.75	4.26	4.14	8.82	1.82	4.08	4.013
July .....	3.46	1.49	2.85	3.91	3.66	2.74	2.26	4.17	7.69	5.27	3.750
August ....	6.94	6.09	3.51	9.11	4.62	8.58	6.42	8.79	8.83	2.65	6.554
September..	3.96	5.84	2.88	7.27	4.81	2.85	1.96	1.71	4.46	5.05	4.069
October ....	8.50	4.94	6.91	16.29	4.08	3.67	11.39	7.41	3.97	14.50	8.163
November..	6.59	2.75	6.31	4.45	5.04	5.79	6.71	5.13	5.19	2.89	5.085
December ..	11.28	12.34	6.00	5.95	6.54	2.56	4.96	9.22	7.75	12.44	7.904
TOTALS ..	71.33	57.45	50.06	81.84	62.14	52.02	67.26	66.47	63.33	67.25	62.915

1901 *Ystrad Eglwair Church 2 Miles E*  
 1903 *Ystalyfera Station 200 yards N E*  
 1907 *House 30 N.W.*

*H. W.*

# RAINFALL at

*Ystalyfera* *House* *10* *4040*  
*Serra School* *Time record*

County of *Glamorgan*

Observer *J. Williams Esq*

River Basin *Lawe* *3*



*Old* *House* Rain Gauge, by

*11.2.20* *5.00* *5.00* *5.00* *5.07* *Obs. contd.*

Diameter ...	5											
Height .....	1.3									1.6		
Altitude ...	240 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS Totals	
January ...	7.88	3.77	5.66	11.41	5.29	7.71	7.19	2.67	7.72	10.00	27.58	✓
February ...	8.91	7.45	5.41	3.43	9.90	11.10	9.43	2.08	6.03	5.83	21.37	✓
March .....	2.23	3.47	11.98	11.66	10.26	2.00	2.37	3.45	3.45	8.42	17.69	✓
April .....	4.32	5.71	.76	10.68	2.48	3.37	4.25	3.94	2.53	3.37	14.09	✓
May .....	3.65	3.01	2.56	4.92	4.05	3.18	3.61	3.49	2.60	1.74	11.44	✓
June .....	4.82	4.90	8.65	4.59	1.87	1.78	5.04	2.99	3.11	3.63	15.67	✓
July .....	6.31	.71	5.22	1.16	6.90	8.86	3.15	5.39	8.31	1.16	18.01	✓
August .....	9.85	4.74	12.54	2.32	5.16	2.87	4.78	15.94	2.63	4.33	27.68	✓
September ..	.26	4.14	2.01	4.35	3.17	1.39	4.62	4.00	12.97	4.63	26.22	✓
October ...	4.90	5.04	7.53	6.74	3.27	4.58	15.38	10.46	6.27	1.93	34.04	✓
November ..	8.39	11.26	6.66	11.96	7.66	4.74	7.71	5.29	6.10	4.20	23.30	✓
December ...	9.86	16.32	13.36	4.51	12.81	13.51	5.37	2.30	12.83	12.71	33.21	✓
TOTALS ...	71.38	70.52	82.34	77.73	72.82	65.09	72.90	63.00	74.55	59.85	270.30	✓

+ Inspected 11.2.20. Situated in small sheltered garden. Obs. very keen & accurate

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	51.06 N	3.45. W	Ystalyfera (M.R.)	200 yds	E.	Ystalyfera	400 yds	E



RAINFALL at *Ystalyfera (Wern House)*County of *Glamorgan*Observer *J. Williams, Eng died 1925*River Basin *Tawe-3**Miss J. E. Williams died 1/12/30.**Howard* Rain Gauge, by*Mrs L. Williams*

Diameter ...	5											
Height .....	1.3	1.6										
Altitude ...	210											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. <del>Mars.</del>	1920-30 Totals
January ...	12.78	11.69	6.59	5.73	7.90	6.70	12.18	8.81	17.26	3.37	13.33	106.64
February ...	3.94	2.2	8.93	12.03	8.2	10.65	6.32	5.47	9.66	1.33	.64	60.01
March .....	9.58	8.13	6.58	2.71	3.16	1.95	1.67	6.50	5.18	2.16	3.88	51.70
April .....	10.56	1.76	3.76	4.91	5.78	4.20	3.30	2.77	2.45	1.07	11.04	44.60
May .....	5.73	3.09	2.76	3.94	5.40	8.25	3.48	3.26	.82	6.14	3.61	46.53
June .....	4.77	.91	2.06	2.07	4.26	.00	3.11	5.53	9.03	3.82	3.69	39.25
July .....	9.47	4.03	8.45	4.67	7.54	3.51	5.01	9.67	6.12	4.05	6.36	68.88
August .....	3.26	8.32	5.64	7.88	10.24	7.76	8.45	8.81	7.44	6.18	8.91	62.59
September...	7.31	4.11	5.43	7.67	9.69	5.57	2.41	9.68	1.54	1.62	6.94	62.27
October .....	5.42	2.40	2.43	10.36	10.18	8.58	4.12	6.89	13.78	9.94	10.52	64.62
November...	4.10	4.74	3.50	7.80	4.58	4.63	10.20	8.05	13.71	19.06	9.43	89.80
December...	8.79	7.10	9.16	8.07	12.67	6.00	1.15	4.29	7.91	17.04	9.22	91.40
TOTALS...	85.71	50.50	65.59	77.84	82.22	67.90	61.60	79.73	94.90	75.78	80.57	828.34
	0	3	3	2	2	2	2	2	2	2	2	BP

Imprested 7/3. 27.11.24 In somewhat sheltered garden - Good exposure and excellent observer.

1927. Outhouse 7 ft. high., 24 ft. l. w.  
shed 12 " " 25 ft. N.E.

1930. Observer died 1/12/30, new observer Miss L. Williams.  
Observations taken 9 a.m. winter, 8 a.m. summer.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920.	51.46	3.45	Ystalyfera	200 yds.	E.	St. David's	400 yds	E.

RAINFALL at Ystalyfera (Wern House)County of Glamorgan Observer Miss S. WilliamsRiver Basin 3-Tawe

Type of Gauge .....

Annual Average 64.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.N.

777959/27

Diameter	5.										
Height	1.6.										
Altitude	240										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means- Totals
January	6.79	12.00	6.18	9.36	2.18	7.64	9.87	11.17	9.40	4.81	79.40
February	6.97	.08	6.95	7.77	8.33	2.57	10.76	4.14	7.47	6.25	54.26
March	1.52	3.60	6.03	5.46	1.55	4.48	3.77	1.84	3.19	5.94	37.38
April	4.85	4.44	3.22	4.52	7.40	3.52	4.18	.41	5.17	3.82	41.53
May	4.75	6.99	2.21	4.09	2.40	1.53	2.99	6.32	1.09	2.01	34.38
June	6.19	3.28	2.68	3.31	7.74	4.95	4.02	5.95	5.46	.97	44.55
July	9.42	7.48	6.14	1.24	2.45	9.83	3.69	6.53	13.24	4.63	64.65
August	6.88	1.20	1.82	4.99	2.95	3.17	1.26	6.56	4.59	.94	34.44
September	2.97	7.82	2.40	4.63	10.63	4.09	4.48	2.71	1.13	4.11	47.98
October	2.47	12.64	11.88	6.65	9.70	3.61	3.54	13.00	4.06	7.96	75.71
November	13.68	5.37	1.64	2.13	10.40	6.87	4.53	11.21	16.07	15.12	87.02
December	4.74	6.43	2.06	18.23	4.56	8.00	5.23	6.85	4.59	6.20	66.89
TOTALS	71.23	71.59	53.21	68.38	70.29	60.26	58.32	76.69	75.46	62.76	668.19

1937 Gauge 10' high 30"E.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
			Ystalyfera	200 yds.	E.	St. Davids	400 yds.	E.

Station No. M 4040RAINFALL at Ystalyfera (Wern House) ✓

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County of GlamorganObserver Miss L. WilliamsRiver Basin 2 - Tawe

Type of Gauge.....

Annual Average 64.8 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. B.M.File No. 777959127

Diameter	5				496	625						
Height	1	6				1						
Altitude	240				X	41			X			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	3.71	8.96	9.79	8.32	5.05	9.51	5.46	13.73	3.54	2.97	71.04	
February	6.30	77	5.10	2.23	8.87	5.63	1.56	3.97	3.02	10.52	47.97	
March	3.80	5.17	1.78	1.87	4.71	2.25	12.99	5.22	3.29	4.83	44.91	
April	1.34	2.88	2.32	4.53	4.20	1.87	6.30	3.06	5.78	5.63	37.91	
May	3.61	8.58	6.74	3.21	5.24	3.54	4.17	4.16	4.67	2.29	46.21	
June	1.59	48	6.13	4.55	6.98	8.03	3.44	7.36	72	4.30	43.63	
July	4.19	770	5.69	3.46	5.30	5.04	4.85	3.86	1.76	7.48	49.33	
August	8.66	6.02	7.68	4.02	4.74	11.63	6.3	9.39	4.90	13.46	41.13	
September	6.8	5.71	7.38	7.35	7.33	11.86	2.77	8.76	2.75	13.54	63.13	
October	5.97	6.96	7.20	10.64	6.38	1.99	1.83	6.14	10.01	5.17	62.29	
November	4.27	1.50	3.84	10.73	87	14.35	8.44	5.00	7.89	8.83	65.72	
December	6.30	13.91	3.32	7.02	9.22	7.39	6.23	13.58	8.19	4.90	80.06	
TOTALS	5042	68.64	66.97	66.93	68.89	83.14	58.47	84.23	56.42	83.92	688.33	XBP

1949 Annual Total corr. for wind. 321 300.52.Position of Station on reduced Ordnance Survey Map,  
1 mile to 1 inch Series

No. of Map.....

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge

BRITISH RAINFALL ORGANIZATION



# Air Ministry, Meteorological Office

**RAINFALL** at Ystalyfera (Wern House)

Station No. M. 4040

County of Glamorgan

Observer Miss L. Williams

River Basin 3-Lawe

Type of Gauge \_\_\_\_\_

Annual Average 64.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 85N

" " 70.15 " " 35 " " 1916-50 " " File No. 1916 50 774959 67

Diameter ...	5"				496	625					
Height ...	1'-6"					1					
Altitude ...	240'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	8.74	8.48	2.31	3.70	5.46	8.24	9.88	6.81	8.51	7.97	7012
February ...	6.41	1.80	4.85	7.94	3.34	0.71	7.49	9.59	7.8	7.98	5092
March ...	6.45	5.65	4.7	6.02	3.86	2.33	8.36	1.40	7.01	2.47	6826
April ...	5.13	4.42	5.33	1.93	5.54	1.45	0.74	2.13	6.83	5.56	3906
May ...	3.11	4.64	4.46	6.64	6.67	2.59	3.47	6.13	1.47	1.80	4098
June ...	2.28	4.64	4.80	8.23	9.67	4.57	1.60	6.27	5.95	4.02	5213
July ...	1.37	2.50	8.55	6.76	2.13	5.57	6.30	7.35	5.85	8.27	5465
August ...	11.94	6.9	5.47	7.49	3.48	8.38	7.25	5.57	1.65	7.19	6535
September ...	7.56	3.09	7.23	10.14	4.27	8.09	11.13	12.74	.75	6.82	7182
October ...	1.7	6.10	5.64	15.14	4.24	3.03	7.89	6.37	8.83	6.87	6582
November ...	2.39	5.36	7.87	13.83	5.27	2.38	3.85	4.41	13.54	15.70	8460
December ...	7.18	5.99	1.94	7.15	8.88	8.19	4.94	6.81	15.00	9.08	7516
TOTALS ...	74.27	59.58	63.16	95.10	62.91	55.53	72.90	75.60	76.17	83.73	71885

1957 Imp. Mr. Oxen (4/57) site visited but g. had been moved to a friends house as observer on holiday. The site was badly off & not recommended for the network

Position of Station on Ordnance One-Inch map:

No. of Map \_\_\_\_\_

National Grid Reference SN 72/Y6808

Date	Lat. N.	Long.	Railway Station	Distance Direction from gauge	Parish Church	Distance Direction from gauge

Summary of Earlier Records from 10-year Sheets:

1916 - 50 P accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓	✓ But 26 & d	✓ But 20 & 32 & d	✓	