

RAINFALL AT Cardiff Ponsonby

Lat.

Lon.

County of

Flamsteed

Swallow Rain Gauge, by C. Eccles

Observer

E. Walford Esq. M.A.

Rhymney - 7.

Diameter ...										5	
Height										10	
Altitude ...										204	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										2.58	1.82
February ...										2.33	.57
March										3.25	4.14
April										2.63	2.74
May										1.88	1.80
June47	2.08
July										3.53	2.55
August										6.33	3.27
September ..										2.90	3.83
October ...										3.14	7.84
November ..										1.52	1.63
December ...										3.97	6.93
TOTALS ...										34.53	38.70

1908 Gauge moved from Roath Park

Roath Church 7 furlongs S E

Cardiff Station 2 Miles 1 furlong S S

Telegraph House 13 ft high 27 ft S E

RAINFALL at Cardiff Penyfan

County of Glamorgan

Observer E. Walfrid Leg M.D.

River Basin Rhymney 7

Snowdon Rain Gauge, by Casella

Diameter ...	5										
Height	1.0										
Altitude ...	204										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS: Totals
January	4.75	1.53	4.69	7.26	2.13	3.87	3.16	1.31	5.47	5.72	15.66
February ...	5.50	4.21	3.04	1.46	3.74	5.00	5.21	1.86	2.97	4.63	15.18
March	1.15	2.23	5.95	5.75	6.38	1.38	3.21	3.85	2.46	5.78	15.60
April	3.09	2.96	.35	5.21	2.88	1.31	1.75	1.92	2.39	1.93	7.99
May	2.83	1.25	1.88	2.84	2.33	2.77	4.68	3.79	1.52	.71	10.70
June.....	4.67	2.39	6.94	1.93	2.93	1.23	4.62	2.87	2.27	1.52	11.08
July	2.70	.13	3.53	.60	6.21	5.08	2.21	2.69	5.95	2.14	12.99
August	5.31	2.83	8.95	.97	3.53	2.27	3.55	9.43	3.39	2.82	19.19
September ..	.18	2.05	.81	3.50	2.68	1.27	2.20	2.68	10.49	2.20	17.57
October ...	4.69	3.73	5.18	5.10	2.45	5.12	9.04	7.00	2.90	2.84	21.58
November ..	6.68	6.00	2.81	5.36	5.21	2.55	3.39	2.20	3.52	3.40	12.51
December ...	5.62	8.32	7.26	2.08	8.16	9.04	3.83	1.03	7.13	7.19	19.58
TOTALS ...	47.20	37.63	51.39	42.06	48.63	40.89	47.31	640.63	50.76	40.88	179.63

1916 Shad 12 July 38 ft SE°

Bog?

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Health Fair, Port Pl

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
56.20	310 W	C	Cardiff					

RAINFALL at Cardiff-PenylanCounty of GlamorganObserver E. Walford EgglestonRiver Basin Rhymney - 7A. S. Brain (1921)

1st R.M.F. Taken 1924 (MDH.)

VI-24 { inner Shadon Rain Gauge, by Carroll
correct 8450
Carroll glass correctly graduated

Medical Officer of Health

Diameter ...	5											
Height	1.0											
Altitude ..	203	204	203									202
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		1920-30 Total
January ...	6.10	4.96	4.09	2.46	5.44	4.55	6.91	5.02	9.07	1.86	6.68	57.14
February ...	1.47	0.9	4.59	8.50	.61	5.58	3.31	3.48	4.79	1.27	0.71	34.38
March	3.87	2.86	3.87	1.57	2.03	4.2	5.55	4.31	4.42	.57	2.73	27.20
April	5.66	.73	3.01	2.86	3.32	2.78	2.39	1.82	1.40	.41	3.22	27.50
May	3.92	2.02	1.51	2.58	5.11	4.73	2.22	1.63	0.94	3.55	1.67	29.88
June	3.11	.05	1.29	.76	2.39	.06	1.97	4.00	2.68	2.67	0.64	19.62
July	5.17	.99	4.59	2.16	6.23	3.90	2.11	5.10	2.44	2.31	3.24	38.24
August	2.72	3.10	4.14	3.79	6.09	4.47	4.22	5.94	3.98	3.77	5.28	48.56
September...	2.69	3.40	3.45	3.54	6.85	5.14	1.63	7.31	0.70	.59	5.08	41.01
October.....	2.22	2.03	1.49	6.90	6.33	6.57	4.02	3.85	7.48	6.77	5.15	53.91
November...	2.64	3.03	2.13	3.51	3.74	2.60	8.90	5.71	4.83	11.14	5.51	53.44
December...	5.04	2.64	7.01	4.16	7.18	3.98	.27	2.87	4.77	9.39	4.59	51.90
TOTALS.	45.61	25.94	41.17	42.79	55.32	46.18	38.50	51.07	47.50	44.30	44.50	482.8

1921. Std. 12 ft. high 38 ft. S.C.

Inspected 17.VI.24. Situated in enclosure with good shelter to S.W. & E. but slightly open to E. Good exposure.

1925. Gash. Aug. - Amended 28.III.25 as follows:

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	51°30'	2°10' W.	Rhymney	about 2 miles	East	S. Llangeinor	about 1/2 mile	S. S.W.

RAINFALL at Cardiff (Penylan) (+A) M.W.R.

County of Glamorgan Observer Medical Officer of Health

River Basin Taff Rhymney

Type of Gauge Standard (+A).

Annual Average +A in. based on 35 years obs. un-weighted. Period of average 1931-1945 Ref. Box.

Diameter	5.										
Height	1.0.										
Altitude	203.										202'
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-45 Means Trend
January	2.92	6.29	2.79	3.57	8.4	4.86	4.90	5.78	6.59	3.87	42.41
February	3.05	0.03	4.45	6.2	4.09	1.52	6.39	1.83	2.84	3.47	28.29
March	0.98	2.26	3.73	1.92	1.00	3.46	3.72	.59	1.69	3.43	22.78
April	3.23	4.13	1.93	2.70	5.58	2.43	3.84	1.7	3.37	2.76	31.14
May	8.04	5.09	2.46	1.55	.78	1.61	2.35	3.21	.83	2.39	28.31
June	3.35	1.58	1.95	1.65	4.98	4.60	1.10	2.07	1.85	.96	23.89
July	4.54	4.80	2.19	1.54	.66	8.41	3.12	3.63	6.38	4.92	40.19
August	4.59	1.28	1.36	3.87	2.21	1.36	.38	3.14	3.66	.20	22.05
September	1.61	5.05	1.58	3.45	8.48	3.06	1.94	1.67	.60	1.30	29.24
October	1.04	7.04	4.82	2.96	6.03	1.74	4.09	8.15	3.38	5.75	45.00
November	6.57	2.19	0.78	1.57	6.34	4.87	2.40	6.24	8.71	8.54	47.91
December	2.61	2.48	2.18	11.17	3.86	4.46	2.24	4.88	2.72	2.55	39.15
TOTALS	42.53	42.52	30.22	36.47	44.85	42.98	36.47	41.36	42.82	40.14	400.36

Boil gauges moved to new site on 13.12.36. There is no change of altitude & the site is still in Penylan Park. The ground slopes upwards with steepest W.S.E. To the West the slope is gradual. Jan. 1934 6.237.

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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	Parish Church.	Distance from gauge
			Queen St.	2 mi			

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 14091

RAINFALL at Cardiff (Penylan) (M.W.R. ✓ 267)

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County of Glamorgan

Observer Medical Officer of Health

River Basin T-Rhymney

Type of Gauge Standard (+A)

Annual Average 11.14 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.C.N.

File No.

Diameter	5				488	779				
Height	10					1				
Altitude	202					41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
January	4.27	5.31	8.40	4.30 (4.53)	4.61	3.32	8.56	1.24	1.36	4.590
February	3.78	3.35	1.79	1.17	5.08	2.37	1.75	2.38	2.37	6.97 2.501
March	2.92	2.64	1.41	1.52	1.33	1.43	1.57	1.77	1.87	2.18 2.364
April	1.64	1.86	1.73	3.06	1.57	2.06	3.13	2.64	3.02	2.68 2.389
May	2.01	5.41	4.22	2.30	3.40	4.75	2.68	4.01	3.71	2.10 3.439
June	1.71	1.44	3.25	3.31	4.72	4.27	2.62	3.59	.65	1.29 2.685
July	3.02	2.64	2.57	2.68	2.84	2.32	2.77	4.29	1.31	5.17 2.961
August	6.87	4.86	4.55	3.72	2.97	7.97	1.11	5.65	2.33	8.68 4.871
September	1.09	4.85	4.53	5.29	2.70	5.86	2.27	4.18	3.65	6.75 4.117
October	2.28	3.81	2.89	5.92	4.87	1.18	1.15	5.61	8.72	1.78 3.827
November	2.86	1.81	2.72	7.60	1.85	6.83	4.70	2.45	4.77	6.52 4.017
December	4.86	4.95	2.69	3.13	6.37	4.66	3.68	4.95	4.18	2.41 4.188
TOTALS	37.31	38.05	40.75	43.00	41.28	48.31	36.55	50.08	37.82	47.89 420.99 ✓

945 Jan. part est'd for snow

40004

373.103

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

Reference No.

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

Air Ministry, Meteorological Office

Station No. 4091

RAINFALL at Cardiff (Penylan)

m.w.R. 967? (267)

County of Glamorgan

Observer Medical office of Health.

River Basin T-Rhymney

Type of Gauge Standard A.

Annual Average 41.4 in. based on 35 years obs. un-weighted. Period of average 1881 - 1915
 " 42.10 " " 1916-50 " " 1916 - 50 Ref. BGN
 File No.

Diameter ...	5"		488	479						
Height ...	1'-0"				1					
Altitude ...	202'					51				
Year 1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960 Means
January 1.36	5.33	3.26	1.11	2.66	4.18	5.02	4.70	4.23	4.78	4.14 3761
February 6.97	4.49	0.86	1.96	4.30	1.96	0.32	5.31	5.75	4.45	2.90 2830
March 2.18	4.11	2.66	1.66	5.03	1.41	1.37	5.10	1.01	3.28	2.00 2763
April 2.68	3.52	3.32	3.89	0.88	2.04	1.85	0.28	7.74	3.19	2.89 2255
May 2.10	2.51	3.81	3.47	2.20	5.12	1.07	1.73	4.33	1.20	1.33 2677
June 1.29	0.67	2.29	2.46	4.51	4.19	2.23	1.27	3.12	1.97	2.48 2519
July 5.17	0.99	2.87	4.76	4.41	0.59	2.82	5.17	3.42	3.95	5.73 3477
August 8.68	4.59	6.02	5.55	3.96	1.54	5.49	3.39	5.69	2.75	5.25 4433
September 6.25	5.37	4.53	4.61	6.92	2.00	5.46	5.07	7.01	.25	5.75 4697
October 1.78	1.91	5.71	3.56	6.52	2.26	2.72	4.21	4.70	5.54	8.41 4554
November 6.52	8.02	4.00	3.83	8.80	4.47	1.45	2.74	2.46	4.94	7.90 4861
December 2.61	3.51	3.34	1.73	3.92	5.96	5.15	2.40	4.55	8.99	6.51 4606
TOTALS 67.89	45.02	42.67	38.59	54.11	35.72	34.95	41.52	47.01	41.29	55.29 43627

1952 Imp. Mr. Jacobs (S/52). g to be fixed in soil otherwise O.K.

Position of Station on Ordnance One-Inch map: No. of Map: National Grid Reference S73/195793

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

1912 Blank