

RAINFALL AT Penarth

Lat.

Lon.

County of Glamorgan

Snowdon Rain Gauge, by N+3
by No 2506 O gauge etc - 5.

Observer Edgar S Evans Esq C.E.

Diameter ..		5"								
Height		1 1					5.0			
Altitude ..		128 ft					160 ft			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..		2.23	4.59	3.99	1.09	5.74	2.34	2.38	1.92	
February ..		.95	1.52	5.03	1.07	2.98	1.67	2.25	.66	
March ..		2.22	4.65	2.20	5.11	2.70	1.35	2.61	4.02	
April ..		1.83	2.41	1.59	2.63	1.32	3.43	2.71	2.09	
May ..		2.06	2.24	2.63	.11	4.08	2.74	1.44	1.66	
June ..		2.53	2.32	.80	3.67	2.22	3.89	.34	2.49	
July ..		1.98	3.95	4.17	.88	.82	2.33	3.16	2.88	
August ..		3.30	5.68	2.94	3.82	3.06	3.12	5.46	3.50	
September ..		2.34	2.66	3.31	2.57	1.51	1.12	.96	2.89	3.37
October ..		2.25	2.94	9.31	2.51	2.05	6.29	6.19	2.46	5.87
November ..		1.06	3.96	2.22	3.11	3.56	3.61	3.15	1.40	1.80
December ..		5.54	3.13	3.34	2.84	1.84	2.33	6.44	3.01	6.40
TOTALS ..		29.79	45.54	34.88	27.29	36.22	37.11	30.11	36.16	

M m m m D D

1901 Gauge fixed 440 yards from the coast line

Penarth Church .38 mile NNE

Tree 30 ft high 63 ft N

Penarth Station .09 mile SW

1906 Nov 1st Gauge moved 1/8 mile NW

Penarth Church .4 miles NNE

Station 1/8 SSE

No objects near

1907 Gauge moved 240 yards NW

RAINFALL at Penarth

County of Glamorgan

Observer E. J. Evans & Co

River Basin Ogmore + C 5

Sunder Rain Gauge, by 745

1912 Tree 15 ft high 27 ft W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	51° 24' 13"	3° 10' 26" W	Bonartha	1/8 mi	SSE	Bonartha	1/4 mi	NNE

RAINFALL at Penarth

County of Glamorgan

Observer E. D. Evans, Eng., C.E.

River Basin Oymo - 5

Blaoden Rain Gauge, by N.W.M.

Diameter ...	5"				5"						
Height	5.0										
Altitude ...	160				198		160				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<u>1930.</u>
January ...	5.36	4.38	3.72	2.43	4.85	3.48	6.02	4.55	7.68	1.41	4.77
February ...	1.29	1.11	4.08	7.08	0.38	5.03	2.76	3.19	4.89	1.48	.59
March	3.36	2.60	4.01	1.66	1.33	.14	.69	3.84	3.75	.63	2.24
April.....	4.16	.70	3.25	2.69	2.49	2.26	2.08	1.74	1.62	.39	2.54
May	3.36	2.18	1.75	2.34	3.83	4.04	1.95	1.85	.43	2.77	1.48
June	3.19	.08	1.32	.63	2.78	.23	1.67	3.16	2.24	2.07	.65
July	5.21	1.11	3.81	3.02	6.59	3.21	2.04	3.80	2.48	2.14	2.84
August	2.69	3.36	4.31	4.28	7.21	5.88	3.84	4.47	2.49	3.64	4.15
September...	3.13	4.16	2.82	2.99	5.08	4.72	1.71	6.91	.66	.66	4.03
October.....	3.65	2.27	1.26	6.26	5.98	6.25	5.45	4.38	3.42	5.24	6.45
November....	2.47	2.37	1.74	3.57	3.36	3.28	2.39	7.53	5.32	4.26	9.56
December...	4.40	2.76	5.71	3.60	5.21	4.20	.25	2.75	4.25	7.20	4.08
TOTALS:	12.2	27.26	8.08	37.80	40.55	48.74					
	10	2	0	0	0	0	0	0	0	0	0

No object near g.

1922. Tree 15 ft. high 27 ft. wt.

Inspected 9/16/31/34 Record stopped. Choose new site in yard behind U.D.C. Office.
Must be 5 ft. above ground with buildings round. Fairly good site.

1924. Gauge moved 1st Sept. 480 yards to N.N.E.

1930. Obs. taken 9th M.

1924 values computed from Lower Park for purpose of preparing new averages 16.653.48

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51°26' 13" S	102°07' W	Penarth	6 miles	S.S.E.	Penarth	0.4 miles	S.W.E.
1924			"	670 yards	S'W.	"	267 yards	E'N.

RAINFALL at Penarth (Council Offices.)

County of Glamorgan.

Observer G. J. Evans, C.E. Retired 31/3/35

River Basin 5-Ogmore &c.

The Surveyor to the U.D.C.

Type of Gauge Standard.

Annual Average 27.1 in. based on 22 years obs. un-weighted. Period of average 1921-1940. Ref. S

813298/27

Diameter	5.										
Height	5.0										
Altitude	160.			155							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1921-40 Means Tots/5
January	3.17	5.30	2.47	2.65	.80	4.06	4.58	4.92	6.40	4.07	38.32
February	3.05	.00	5.12	.55	3.39	1.62	6.00	1.46	2.48	2.83	26.50
March	.93	1.74	2.96	1.70	.96	3.19	3.60	.53	1.03	2.98	19.62
April	2.68	3.60	1.68	2.53	4.90	2.33	3.98	.14	3.13	2.69	28.66
May	7.68	4.20	2.03	1.55	1.13	1.76	2.32	2.59	0.98	1.83	26.07
June	3.45	1.07	2.10	1.68	3.29	3.59	.91	1.31	2.02	.67	20.10
July	3.90	3.55	2.30	1.75	.27	6.13	2.91	2.65	6.38	4.21	34.05
August	4.78	1.88	1.96	3.34	2.27	.99	.62	4.27	3.69	.19	23.99
September	1.83	4.28	1.96	3.92	9.08	3.20	1.73	2.05	0.65	1.49	30.19
October	.99	7.25	4.08	2.93	5.36	2.03	4.13	7.75	3.52	4.85	42.84
November	4.42	1.82	0.72	1.83	5.06	2.84	2.38	5.37	7.16	7.88	41.58
December	2.47	1.88	2.07	9.15	3.36	3.60	1.58	4.71	2.76	2.19	33.77
TOTALS	39.35	36.57	29.40	33.43	40.57	37.34	34.80	37.75	40.80	35.88	365.69
					D	D	D	D	D	D	

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
1931.			Penarth	670 yds E by W		Penarth	267 yds E by N.

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

West House Station No. 4054

RAINFALL at Penarth (Council Offices)

41

County of Glamorgan

Observer The Surveyor to the U.D.C.

River Basin 5 - Ogmore &c.

Type of Gauge Standard M.O. 1949

Annual Average 37.1 in. based on 27 years obs. unweighted. Period of average 1891-1915 Ref. S

File No. 813298 27

Diameter	5		5'	491	644					
Height	5' 0"		4' 0"	1' 0"		1				
Altitude	160		151'	148		41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	Means
January	4.61	3.82	5.29	2.73	3.58	3.70	3.39	7.81	1.38	1.44
February	2.48	.16	1.18	1.20	5.00	2.90	1.34	2.37	1.77	6.33
March	2.15	2.03	1.37	4.3	1.35	1.12	6.58	1.42	1.66	2.01
April	1.02	.83	1.03	3.01	1.38	2.15	2.30	2.64	2.54	3.18
May	1.52	3.61	2.92	2.37	3.11	5.10	2.53	3.92	3.84	1.87
June	1.27	.59	1.66	3.96	4.88	4.02	2.43	2.76	.73	1.56
July	2.72	1.94	1.65	2.74	2.56	1.98	2.28	4.48	1.76	5.04
August	5.60	4.33	3.74	4.23	2.16	7.77	1.17	5.71	2.24	8.48
September	.58	2.10	4.55	4.88	3.13	4.66	2.00	3.97	2.61	7.00
October	2.15	2.90	2.09	4.51	4.94	1.00	.94	5.91	7.10	2.54
November	1.80	.89	2.09	7.08	.96	5.80	5.26	2.63	4.17	7.36
December	2.86	3.00	2.23	3.30	5.29	3.45	4.05	3.52	4.65	2.78
TOTALS	28.76	26.20	29.80	40.44	38.34	+3.65	34.21	47.14	34.45	49.59
	D	NP	NP	D	D	D	D	D	D	D

1942, np low. 1943 np low; new g. installed end of Oct. old g. was found to be defective. Nov-Dec.
Jan 1st 1944. g. moved 1800 ft. S 26° W to rear of Council Offices
west flours, Stanwell Rd.

A1 + B1 incl. 31-186718

all - S1 incl. 31-183714

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.
1941			Penarth Town	2000' 400'	SSW. S.E.	St Augustines All Saints	700' 900'	ENE SW.
1944								

Air Ministry, Meteorological Office

Station No. 4054

RAINFALL at Penarth (West House)

County of Glamorgan

Observer The Surveyor to Penarth U.D.C.

River Basin S-Dymose & C.

Type of Gauge M.G.

Annual Average 37.1 in. based on 22 years obs. unweighted. Period of average 1881-1915 Ref. 3

File No. 813298/27

Diameter ...	5"			491	<u>645</u> <u>644</u>		N.B.		
Height ...	10"					1	1958-60		
Altitude ...	148'					51	on next page		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959
									Means
January ...	4.64	3.96	0.89	2.77	4.03	4.33	3.81	4.25	
February ...	4.25	1.13	1.87	4.82	2.36	0.22	3.78	4.1	
March ...	4.04	2.97	1.31	3.84	1.24	1.02	4.08	2.88	
April ...	3.63	3.17	3.84	0.89	1.74	1.32	0.17	2.76	
May ...	3.00	3.80	2.67	1.80	5.32	1.03	1.74	1.16	
June ...	0.43	2.07	1.77	3.27	3.86	2.38	1.18	1.67	
July ...	1.22	1.84	4.17	3.45	0.22	3.04	4.59	3.72	
August ...	4.44	5.96	5.29	3.67	1.12	7.17	3.05	3.37	
September ...	3.48	4.65	4.69	6.90	2.61	5.34	4.77	3.36	
October ...	1.59	5.21	2.86	5.62	2.05	2.03	3.82	4.87	
November ...	7.63	4.47	3.07	7.29	3.24	1.26	2.95	4.10	
December ...	3.27	3.20	1.68	3.45	4.87	3.98	2.10	7.91	
TOTALS ...	41.52	42.43	34.11	47.77	32.66	33.12	36.04	37.46	
	D	D	D	D	D	D	D	D	

1957. 1.1.57. 9. moved 400' E. at lower altitude. Now at Alexandra Park.

No Temp.

P.R. 57 31-183 714
Post 440 57.2

Position of Station on Ordnance One-Inch map:			No. of Map	National Grid Reference ST 131 187714				
Date	Lat. N.	Long.	Railway Station	Distance from gauge	Direction	Parish Church	Distance from gauge	Direction
1951.			Penarth	400'	S.E.	All Saints	900'	S.W.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	

✓ But 1911 blank ✓ 1916-1920 blank Only 1936-40 D ✓ But 1942-43 n.p.

PRB./M.G.36

Air Ministry, Meteorological Office

Station No. 4054

RAINFALL at Penarth (Alexandra Park)

County of Glamorgan

Observer Surveyor

River Basin S- Ogmore & C

Type of Gauge

Annual Average in. based on years obs. unweighted. Period of average

38.00 35 " 1916-50 "

Ref P

File No.

Diameter	5"		491	644							
Height	1' 0"					1					
Altitude	122'					51					
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January								3.57	4.25	3.73	
February								4.50	4.41	2.14	
March								0.65	2.88	2.01	
April								0.81	2.76	2.42	
May								3.72	1.16	1.31	
June								2.79	1.67	1.57	
July								2.82	3.72	6.02	
August								4.27	3.37	5.27	
September								6.63	3.36	4.90	
October								3.98	4.87	8.51	
November								2.72	4.60	7.10	
December								4.64	7.91	6.00	
TOTALS								41.10	37.46	50.98	
								D	D	D	

No map.

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference ST(31)187714

Date	Lat. N.	Long.	Railway Station	Distance from gauge	Direction from gauge	Parish Church	Distance from gauge	Direction from gauge
1958			Penarth	850'	W	All Saints	1300ft	W.S.W.

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