

RAINFALL AT Redruth, Trewirgie 80

Lat.

Lon.

County of Cornwall

Rain Gauge, by

Observer Alfred H. Jenkins Esq.

Branched & N. & S. branch streams

Diameter	5										
Height	1.0										
Altitude	400 ft										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	5.10	3.71	3.35	5.27	4.35	4.39	5.19	3.62	2.89	3.06	3.698
February	5.07	5.32	4.13	8.37	5.49	6.83	2.66	1.12	1.08	2.58	4.265
March	2.68	5.20	1.48	3.10	5.25	2.17	1.29	2.08	5.95	4.57	3.677
April	3.19	1.64	7.12	2.23	2.62	4.11	2.97	1.00	2.15	2.27	2.930
May	1.43	1.06	1.94	2.23	1.30	2.79	2.26	1.57	1.96	4.12	2.066
June	2.54	4.58	4.97	3.24	1.78	1.80	0.95	1.11	3.99	.77	2.473
July	4.14	3.12	5.58	3.33	5.28	.90	4.50	1.63	7.64	3.54	3.966
August	.35	4.84	3.96	1.51	2.13	2.87	2.14	1.44	3.24	3.52	2.600
September	3.30	2.34	3.96	7.01	3.20	7.03	3.97	4.72	2.31	1.43	3.927
October	8.43	4.24	7.45	4.82	2.41	8.95	7.49	4.19	3.40	6.63	5.801
November	6.67	6.55	5.28	5.93	2.90	5.24	4.41	5.13	9.35	3.85	5.531
December	8.98	5.44	8.31	1.41	4.15	2.28	6.75	3.37	6.75	3.36	4.777
TOTALS	44.90	48.04	57.53	48.45	40.86	49.36	47.58	29.98	50.71	39.70	45.711

Redruth Alt. $\frac{1}{4}$ mile W.S.W.
 1852 Dwarf tree 5 ft high 6 ft various directions

Mr A. H. Jenkins in a letter dated January 12th 1904 says that the gauge became sheltered about 1883 and from that year to 1900 a cumulative correction of 0.3 per cent for each year should be applied. This would amount to about 5% per cent by 1900.

RAINFALL AT Redruth Treworge

Lat.

Lon.

County of

Cornwall

Rain Gauge, by

Observer

A. H. Jenkins Esq

Breamore & N. W. Locust Streams - 1

Diameter	5										
Height	1.0										
Altitude	400 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEDIAN
January	5.62	3.68	2.71	3.99	4.93	6.79	1.33	4.18	1.89	6.00	4.010
February	2.08	.08	4.38	5.60	2.57	.13	1.04	4.80	1.10	5.42	2.790
March	1.78	3.94	1.15	.20	1.83	2.70	2.97	5.34	2.16	1.87	2.394
April	3.93	2.80	1.33	.18	4.82	3.35	.79	4.86	2.66	2.33	2.705
May	6.45	2.94	1.94	.83	2.59	.28	.06	2.01	4.16	2.75	2.431
June	3.52	3.50	1.91	1.05	2.22	1.66	1.91	2.24	2.25	1.91	2.227
July	5.93	2.11	1.75	5.31	4.74	3.48	2.59	1.12	.79	1.14	2.896
August	4.36	7.16	5.00	2.16	3.28	2.63	2.67	6.10	2.88	1.26	3.780
September	2.29	4.11	3.40	3.45	2.90	.31	5.98	4.48	1.08	3.41	3.141
October	1.78	11.11	5.61	3.67	6.09	6.59	4.52	2.06	6.42	3.59	51.45
November	4.84	6.00	4.44	2.70	9.02	6.77	1.76	4.48	5.21	3.88	49.10
December	4.40	5.46	2.65	6.95	4.28	10.40	10.53	7.90	5.94	5.38	63.89
TOTALS	46.98	52.89	36.27	36.09	49.27	45.09	36.15	49.67	36.53	38.94	427.88

1890 St Marys Church 1/2 Mile WSW

Fruit Trees 400 ft high 70-80 ft various

1895 New copper snowdon gauge fixed

1899 Rain gauge previously kept at a greater height

M^r. Jenkins in letter dated January 12th 1901 says
 that this gauge became sheltered about 1883 which year
 required an increase by 0.3% & a cumulative correction of the
 same amount ^{was} to be applied up to 1900 bringing the final
 correction up to 5.3 per cent.

RAINFALL AT Redruth Trewoosie

Lat.

Lon.

County of

Cornwall

Casella Standard Rain Gauge, by

Observer

A. P. Jenkins Esq

New

Isabel & N. W. lowest Streams - 1

Diameter ..	5										
Height ..	10										
Altitude ..	399										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	7.46	3.98	2.44	5.95	7.49	2.46	7.07	2.02	1.36	3.07	43.30
February ..	7.29	2.35	2.68	2.14	7.56	1.51	5.76	1.83	2.35	.69	34.76
March ..	2.93	3.31	3.06	6.60	2.86	6.45	1.33	1.27	6.58	5.75	40.14
April ..	2.25	5.03	2.91	2.85	1.71	3.23	1.76	5.65	2.48	3.03	30.90
May ..	2.51	1.07	1.80	3.41	3.30	.67	4.21	3.60	2.07	1.00	23.64
June ..	6.46	2.46	3.72	1.77	1.60	2.49	1.70	3.10	.94	2.59	24.63
July ..	1.10	1.28	3.06	3.98	4.60	1.37	1.99	2.22	2.90	2.94	25.44
August ..	3.22	1.74	1.87	5.19	2.93	5.91	2.78	1.74	5.49	2.13	33.00
September ..	2.28	4.35	3.51	3.44	2.68	1.59	1.30	2.94	4.02	1.25	27.36
October ..	3.12	3.29	4.16	10.00	2.53	2.84	6.19	8.17	2.26	8.58	51.14
November ..	7.18	1.39	6.66	3.62	3.56	6.19	4.59	5.70	1.82	2.01	42.72
December ..	7.08	7.80	3.85	9.81	4.79	2.87	4.64	5.86	5.94	6.69	59.33
TOTALS ..	(50.88)	(38.05)	39.72	58.76	45.61	37.58	43.32	44.10	38.21	39.73	43.596

* from Feb - Apr. 1901 this was alongside old g.

1901 Redruth Church 750 yards SW

Stevenson's Screen 5' 2" high 7' 2' SE

Redruth Station 550 yards NE

1901 Feb. April. Recd. XI.13 Entered 10. XI. 13

* 1900 to Jan 01 from old gauge

RAINFALL AT Redruth Cornwall

Lat.

Lon.

County of

Cornwall

Rain Gauge, by

Observer A. P. Jenkins Esq.

located at the base of the church - 1

Diameter ..	5"										
Height ..	10										
Altitude ..	400 ft	412									
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M. MEANS.
January ..	7.46	3.98	1.98	5.62							
February ..	7.29	2.46	2.56	1.84							
March ..	2.93	3.33	2.54	6.21							
April ..	2.25	5.02	2.84	2.70							
May ..	2.51	1.07	1.66	3.41							
June ..	4.46	2.48	3.77	1.79							
July ..	1.10	1.25	2.84	3.94							
August ..	3.22	1.68	1.80	4.98							
September ..	2.28	4.24	3.39	3.34							
October ..	3.12	3.10	4.04	9.34							
November ..	7.18	1.28	6.58	3.10							
December ..	7.08	7.00	3.46	9.40							
TOTALS ..	50.88	36.89	37.46	55.67							

1902 Redruth Church 730 yards SW

1903

The amount registered by the monthly gauge is nearly 6% too low the difference being most pronounced when the prevailing winds are W or N. the direction of the chief obstructions.

1883 to 1900 M. Jenkins in a letter dated Jan 12th 1904 says that this gauge became sheltered about 1883 & from that year to 1900 a cumulative correction of +0.5 per cent. should be applied. This would amount to about 5½ per cent. in 1900 (New gauge erected 1901 see following sheet) statement presented with back years.

This is not fully borne out by comparison with other records

RAINFALL at Redruth Tewsgate

County of Cornwall Observer A. P. Jephcott Esq.

River Basin Camel & N.W. Coast Streams 1

Copper
Sundown Rain Gauge, by Casella

$$\text{Siam } \left\{ \begin{array}{l} 5.02 \\ 4.91 \\ 5.00 \\ 5.00 \end{array} \right\} \text{ corr? to 5.00 all over } 6.1x.13 \quad \text{slant corr?}$$

Diameter ...	5										MEANS.
Height	1	0									
Altitude ...	399	ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...	5.26	1.92	6.11	8.75	1.78	4.66	2.29	2.65	4.92	6.17	
February ...	6.49	2.84	5.63	1.85	6.36	9.27	6.96	1.37	3.31	6.41	
March	1.35	5.10	7.33	5.52	7.72	.76	5.01	4.87	2.41	4.94	
April	3.17	2.52	.60	6.25	2.01	2.12	1.29	1.35	2.24	2.35	
May	2.17	1.07	1.66	4.40	1.41	2.99	1.73	2.64	1.03	1.83	
June	2.37	2.60	5.37	1.57	2.56	3.30	1.83	3.52	1.39	1.43	
July	2.49	1.01	3.88	.38	4.51	4.30	1.62	1.52	3.76	1.05	
August	3.86	2.77	10.88	1.37	2.69	2.01	3.56	6.17	1.63	3.26	
September ..	5.0	3.37	1.23	4.29	2.61	2.38	2.09	1.97	7.18	2.35	
October ...	7.19	4.73	4.77	5.07	3.80	5.92	7.11	6.85	4.74	1.74	
November ..	7.76	4.72	3.54	6.28	4.75	3.04	8.16	2.26	4.40	3.61	
December ...	9.17	12.28	7.37	4.23	11.23	10.03	4.99	1.61	7.37	7.36	
TOTALS ...	51.81	44.93	58.37	50.06	51.73	50.78	16.94	36.78	44.38	42.50	
	7	7	7	7	7	7	7	7	7	7	

Inspected 28.6.12.13. Rail enclosure, rails left away. Perfectly open lawn. Trees all round, well away, the nearest being at about 30' on N.E. Perfect exposure.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	50°13'44"	5°13'48"	Redruth	550 yds	NE	Redruth	750 yds	S W
	50°14'N	5°14'W						

1879
20

RAINFALL at Redruth (Frewigie)

County of Cornwall

Observer at P. Jenkins, Engt.

River Basin /

Baffed basin Rain Gauge, by Cassella
Plan certific'd

Diameter	5										
Height	1.0										
Altitude	999					398					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
										MEDANS.	
January	6.30	3.86	6.44	3.24	6.66	4.29	7.14	7.81	8.88	4.21	8.41
February	9.2	.78	4.64	9.17	2.63	7.25	3.31	3.45	4.04	3.33	3.35
March	4.34	3.96	3.09	2.77	2.46	.86	.93	4.37	7.51	.72	3.65
April	4.53	1.05	3.70	4.28	3.99	3.59	2.59	2.49	3.23	1.33	3.49
May	2.26	2.64	1.42	3.24	3.44	16.62	2.41	1.02	1.68	5.46	2.04
June	2.95	.12	1.37	.63	1.93	.00	3.30	3.56	2.61	8.05	1.81
July	6.27	2.38	4.45	1.23	4.02	4.32	1.62	4.31	1.63	1.85	2.91
August	1.58	4.21	3.47	2.88	3.30	3.43	2.61	3.52	2.19	3.28	6.23
September	4.82	.70	3.47	3.24	4.44	3.23	1.00	6.96	1.94	.76	6.69
October	8.48	1.53	1.92	6.56	9.53	4.90	3.47	2.95	8.30	8.65	5.84
November	2.53	5.86	2.48	4.83	4.49	4.38	8.91	5.00	4.71	14.09	8.20
December	5.81	2.64	7.52	5.07	9.21	5.88	1.24	4.66	6.19	10.43	3.92
TOTALS ...	50.8	29.75	43.97	47.14	56.10	46.75	38.53	35.10	52.7	157.16	56.54
	0	2	2	8	7	D	D	D	D	D	D

1925. Nothing near except wire fence & Stevenson screen, both at safe distance.

1928 Thar. Screen 5ft. high 10ft. L.E.
Tress up to 60 " 30yds. N.E.

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

Reference No. _____

Date.	Lat. N.	Long. E.G.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1920	56° 13' 44" N.	59° 19' 48" E.G.	Rodmell	530 yds.	N.E.	Rodmell (Parish)	750

RAINFALL at Redruth (Trewirgie)

M.Y.R.T.T

County of Cornwall.

Observer A.P. Jenkins, Esq. T.D. died 1940

River Basin Camel & N.W. Coast Streams - 1

Type of Gauge Snowdon (+A)

Annual Average 44.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. 26
660613/26

Diameter	5'											
Height	1.0											
Altitude	399			399								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	4.52	4.97	3.92	4.54	1.60	7.35	8.52	6.34	7.48			
February	3.52	0.02	4.06	3.35	4.09	7.43	7.67	2.27	2.64			
March	5.28	2.60	4.81	4.91	7.6	4.93	6.17	7.1	2.21			
April	2.37	2.90	2.66	3.80	5.21	2.87	3.94	7.02	3.66			
May	4.01	5.03	2.77	2.43	2.17	1.50	2.37	3.39	1.39			
June	3.11	3.48	2.04	1.98	3.33	2.30	2.09	1.97	3.00			
July	6.82	3.70	2.81	.85	7.0	7.16	1.87	4.60	7.37			
August	4.48	1.65	3.13	5.00	3.62	1.65	1.19	3.58	2.67			
September	3.48	4.94	1.96	3.91	4.66	3.82	3.71	2.44	7.68			
October	1.20	8.96	8.64	4.21	5.57	1.82	3.69	4.94				
November	10.79	3.34	2.18	2.67	6.98	5.33	3.53	7.68				
December	2.17	4.01	2.71	12.60	6.16	5.86	4.88	6.93				
TOTALS	51.75	45.62	41.68	47.25	45.05	51.02	49.33	44.87				
	D	D	D	D	D	D	D	D				

Inception 7/6/14 - 0K.

1937 Stevenson screen 6' high 10-12' S.E.

Flat bottom measure in use at time of inception, 1937

1939. Clinical. Sta. terminated. Rainfall obs discontinued.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Redruth	550 yds	NE	Redruth	750 yds	SW