

381099
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RAINFALL AT *Ludgvan, Mendips, Cornwall*

Observer *M. Portase, D.D.*

Pick. Surv. Vol. LIII, p. 22
LIX, p. 187
LX, p. 230

Rain { By
Gauge {
Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Levelft.

YEAR.....		1762					1767	1768	1769	MEANS.
January.....		4300					5725	6900	4690	
February.....		2100					6370	3760	4640	
March.....		2800					3600	0350	2240	
April.....		1050					2000	3780	1690	
May.....		1000					990	1350	400	
June.....		0200					0300	4750	4100	
July.....		0500					5775	4300	1320	
August.....		3500					2200	3900	3330	
September.....		4300					2390	4570	3700	
October.....		5600					4140	5010	2250	
November.....		3217					2580	6930	6350	
December.....		1400					1920	5150	4190	
TOTALS		29767					37100	30890	42730	

MET. O.B. RAINMASTER
RETROSPECTIVE

381099

NGR: SW(10) 505330

ALT: 250 ft = 76 metres, Date of review: 19-7-78

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Ludy Van, Penzance
Cornwall

Rev. W. Borlap

Cornwall

Fowey & E. coast streams - 2.

YEAR -	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	MEANS.
January -			4.30					3.72	6.90	4.69	
February -			2.10					6.37	3.76	4.64	
March -			2.80					3.60	3.5	2.24	
April -			1.05					2.00	3.18	1.69	
May -			1.00					1.90	1.55	4.01	
June -			.20					.50	4.75	4.10	
July -			.50					5.78	4.90	1.32	
August -			3.50					2.20	3.90	3.55	
September -			4.30					2.39	4.51	3.70	
October -			5.60					4.14	5.01	2.25	
November -			3.20					2.58	6.93	6.35	
December -			1.40					1.92	5.15	4.19	
TOTALS -			29.95					37.10	50.89	42.73	

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MET. O. & B. REGISTER
RETROSPECTIVE 1842-1978

381099

7. P. 58-8

NO. SW (10) 505330

ACT 250 ft = 76

metres. Date of review 19-7-78

SW (10) 505330

ACT 250 ft = 76

Rainfall at Sudgwan, Penzance
Cornwall

Rev. W. Borlase

Cornwall

Diameter of Gauge in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

Lower S.E. Coast Streams - 2.

YEAR - -	1770	1771							MEANS.
January - -	3.16	3.30							
February - -	3.30	1.50							
March - - -	4.04	2.90							
April - - -	3.40	.90							
May - - - -	3.00	2.25							
June - - - -	3.20	.20							
July - - - -	1.95	.72							
August - - -	1.85	3.63							
September -	2.84	3.40							
October - - -	6.55	4.55							
November -	7.25	1.45							
December -	4.10	5.35							
TOTALS -	44.64	30.15							

*Receiver quite full. Might have run over. Don't know

MET. O. RAINMASTER
RETROS. 1/1/77

381099

REG: SW(10)505330

ALT: 250 ft = 76 metres. Date of review: 19-7-78

METEOROLOGICAL OFFICE

RAINFALL 1770-1779

No. _____

(Old No. _____)

County Cornwall Station LUDGVANAuthority Rev Wm Berlesce Grid Ref. _____ DCn No. _____Altitude _____ metres 250 feet (O.D. _____)

Earliest year with complete data _____ River Basin _____

File _____ Tributaries _____

TF _____

	Average 1916-1950	1970 1770	1971 1771	1972 1772	1974	1975	1976	1977	1978	1979	1980	
January ...		3.16	3.29	6.44								
February ...		3.29	1.50	6.80								
March ...		4.03	2.90	5.54								
April ...		3.39	.90	2.88								
May ...		2.99	2.25	1.50								
June ...		3.19	.20	2.00								
July ...		1.95	.72	1.53								
August ...		1.85	3.62									
September		2.83	3.39									
October ...		(6.54)	1.55									
November		7.34	1.45									
December		4.09	5.34									
TOTAL ...		44.65	30.11									
1916-1950 Percentage												
D, d, or M												

AVERAGE ANNUAL RAINFALL

Based on data for years. Date of calculation.

1916-1950 (Introduced _____) _____ mm (_____ in) _____

1931-1960 (Introduced _____) _____ mm (_____ in) _____

(Introduced _____) _____ mm (_____ in) _____

Type and capacity of gauge _____ 3" square funnel

NOTES on inspections, unorthodox equipment or exposure, changes of equipment, site or altitude (each note to be dated):

See notes to sheets 1750-59 and 1760-69

NOTES on years with incomplete or unsatisfactory data:

Continue notes overleaf if necessary.

METEOROLOGICAL OFFICE

RAINFALL 1760-1769

No. _____

(Old No. _____)

County Cornwall Station LUDGVANAuthority Rev. Wm Barbosc Grid Ref. _____ DCnn No. _____Altitude _____ metres 250 feet (O.D. _____)

Earliest year with complete data _____ River Basin _____

File _____ Tributaries _____

TF _____

	Average 1916-1950	1974 1760	1972 1761	1973 1762	1974 1763	1975 1764	1976 1765	1977 1766	1978 1767	1979 1768	1980 1769	
January ...			1.13	4.31	1.10	5.49	4.91	.05	(3.72)	6.89	4.68	
February ...			2.46	2.09	5.34	3.07	2.90	2.15	6.36	3.75	4.65	
March ...		1.27	1.28	2.79	(1.34)	(1.00)	8.66	2.18	3.59	.35	2.24	
April63	2.83	1.05	2.00		3.34	2.35	2.00	3.17	1.69	
May ...		(3.49)	3.38	1.00	.95		1.10	3.05	1.90	1.55	4.01	
June64	.20	2.65	2.53	1.46	4.45	.50	4.74	4.09	
July ...		1.85	1.07	.50	4.29	2.48	.91	2.27	5.77	4.89	1.32	
August ...			2.37	3.49	3.71	2.48	2.87	1.53	2.20	3.89	3.55	
September			3.49	4.29	2.33	1.69	2.03	1.95	2.39	4.50	3.69	
October ...			9.48	5.59	4.01	3.05	7.15	2.94	4.13	5.00	2.25	
November			5.39	3.21	5.77	3.05	4.43	4.11	2.57	6.92	6.34	
December		3.89	4.21	1.40	9.35	7.39	3.38	3.18	1.92	5.14	4.18	
TOTAL ...			37.73	29.92	42.84		43.14	30.21	37.05	50.79	42.67	
1916-1950 Percentage												
D, d, or M												

AVERAGE ANNUAL RAINFALL

Based on data for years. Date of calculation.

1916-1950 (Introduced _____) mm (_____ in)

1931-1960 (Introduced _____) mm (_____ in)

(Introduced _____) mm (_____ in)

Type and capacity of gauge _____ 3" square funnel

NOTES on inspections, unorthodox equipment or exposure, changes of equipment, site or altitude (each note to be dated):

Notes (Prof. J. Oliver):

(i) gaps due to breakage of rainfall measure

(ii) May 1760, March 1763, March 1764, January 1767 and October 1770 are estimates by Barbosc in cases where some recording doubt occurred. In Dec 1765 some water overflowed from the measuring glass.

See also notes to sheet 1750-59

NOTES on years with incomplete or unsatisfactory data:

Gauge read only 2 or 3 times per month

Continue notes overleaf if necessary.

METEOROLOGICAL OFFICE

RAINFALL 1750-1759

No. _____

(Old No. _____)

County Cornwall Station LUDGVANAuthority Rev. Wm. Borlase Grid Ref. _____ DCan No. _____Altitude _____ metres 250 feet (O.D. _____)

Earliest year with complete data _____ River Basin _____

File _____ Tributaries _____

TF _____

	Average 1916-1950	1974	1972	1973	1974	1975	1976	1977	1978	1979	1980 <u>1759</u>	
January ...												
February ...											<u>1.45</u>	
March ...											<u>3.36</u>	
April ...											<u>1.28</u>	
May ...											<u>.85</u>	
June ...											<u>5.27</u>	
July ...											<u>1.80</u>	
August ...											<u>2.22</u>	
September											<u>2.53</u>	
October ...											<u>4.52</u>	
November											<u>3.79</u>	
December											<u>3.07</u>	
TOTAL ...												
1916-1950 Percentage												
D, d, or M												

AVERAGE ANNUAL RAINFALL

Based on data for years. Date of calculation.

1916-1950 (Introduced _____) mm (_____ in)

1931-1960 (Introduced _____) mm (_____ in)

(Introduced _____) mm (_____ in)

Type and capacity of gauge 3 in. square funnel

NOTES on inspections, unorthodox equipment or exposure, changes of equipment, site or altitude (each note to be dated):

Extracted from "William Borlase's contribution to meteorology and climatology" by Professor J. Oliver of Swansea University (copy in Truro Museum). Photo-copies of pp. 305-310 held by MetOS and of 275-317 in the library.

The above values were converted from mm to inches as an addition to the ms archives of the Meteorological Office by B.S. Water-Smith.

NOTES on years with incomplete or unsatisfactory data:

Gauge read only 2 or 3 times per month

Continue notes overleaf if necessary.