

METEOROLOGICAL OFFICE,

## RAINFALL

Station Shirburn Castle [Observatory] No. 263835  
 County Oxfordshire (Old No. \_\_\_\_\_)  
 Authority [Earl of Macclesfield] Grid Ref. SU (41) 696959  
 Altitude 107 m. ft.  
 River Basin Thames  
 File TP / MWR / m / a Tributary Thame  
 Serial MS: Bodleian Library, Oxford.

YEAR										1779	1780	Means
January ...											1.12	
February ...											.63	
March ...											1.11	
April ...											2.19	
May ...											1.37	
June ...											1.44	
July ...											2.08	
August ...											1.19	
September ...											2.92	
October ...										2.76	2.86	
November ...										2.06	2.40	
December ...										4.67	.07	
TOTAL ...										inc	19.38	
Percentage ...												

## AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 in. \_\_\_\_\_  
 1916-1950 in. \_\_\_\_\_  
 \_\_\_\_\_ in. \_\_\_\_\_

Type and capacity of gauge 12" diameter, circular; [New funnel: Sept 1779]

\*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

See "Meteorological Magazine" 108, Feb. 1979 "An Eighteenth Century rainfall record at Shirburn Castle, Oxfordshire" - C. G. Smith (Sch. of Geog., Oxford Univ.)

Details of site not known

Earliest year with complete data (D : W : M) 10/1779

\*NOTES on years with incomplete or unsatisfactory data:-

\*Each note to be dated. Continue notes overleaf if necessary.

Proforma for retrospective data Feb. 1979 *plw.*

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## RAINFALL

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Savile MS: Bodleian Library, Oxford Altitude 107m ft.  
 River Basin Thames  
 File \_\_\_\_\_ TP \_\_\_\_\_ / MWR / m / a Tributary Thame

YEAR	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	Means
January ...	1.66	2.07	1.59	1.60	1.62	2.85	.32	.79	2.46	1.48	
February...	1.75	.62	3.16	.65	1.02	.59	1.96	2.58	1.90	.20	
March ...	.08	2.73	1.33	1.97	.25	1.21	2.75	.91	1.69	.43	
April ...	1.14	2.56	.57	3.23	.28	.82	.87	.50	1.24	2.02	
May ...	1.56	3.77	2.35	2.30	.76	2.31	1.60	.48	2.43	2.87	
June ...	3.36	1.35	2.70	2.45	1.61	1.21	1.13	2.78	4.66	1.24	
July ...	1.78	5.13	2.33	2.51	1.40	.49	5.65	.92	4.13	2.36	
August ...	1.39	4.38	2.05	2.40	2.33	1.66	1.17	4.00	1.19	2.35	
September	2.67	2.51	2.74	2.00	4.63	2.99	1.49	2.38	2.89	.70	
October ...	.32	1.18	.64	.34	2.54	3.83	2.57	.20	3.48	.65	
November	2.95	1.46	1.56	2.73	1.89	2.12	1.56	.59	1.43	3.73	
December	1.87	.74	.94	1.80	1.91	2.10	2.81	.37	1.53	2.69	
TOTAL ...	20.53	28.50	21.96	23.98	20.24	22.18	23.88	16.50	29.03	20.72	
Percentage											

## AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 \_\_\_\_\_ in. \_\_\_\_\_

1916-1950 \_\_\_\_\_ in. \_\_\_\_\_

\_\_\_\_\_ in. \_\_\_\_\_

Type and capacity of gauge 12" dia., circular

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 at Shirburn Castle, Oxfordshire" — C. G. Smith (Sch. of Geog., Oxford Univ)

(details of site not known)

Earliest year with complete data (D : W : M) 10/1779

\*NOTES on years with incomplete or unsatisfactory data:-

\*Each note to be dated. Continuo notes overleaf if necessary.

Proforma for retrospective data  
 Feb. 1979 *KW*

## RAINFALL

Station Shirburn Castle [observatory]  
 County Oxfordshire  
 Authority [East of Macclesfield]

No. 263835  
 (Old No. )  
 Grid Ref. SU (41) 696959  
 Altitude 107m ft.  
 River Basin Thames  
 Tributary Thame

Source MS: Bodleian Library, Oxford

File \_\_\_\_\_ TP \_\_\_\_\_ / MWR / m / a

YEAR	1791	1792	1793	1794	1795							Means
January ...	3.17	3.23?	2.42	.53	.66							
February...	1.52	.57	1.28	1.06	1.93							
March ...	.80	1.92	1.73	1.36	2.55							
April ...	1.48	3.20	2.04	2.20	1.05?							
May ...	.91	2.06	1.82	2.23	.68?							
June ...	.59	2.95	.65	.65	1.73?							
July ...	2.76	3.15	2.52	2.84	2.06?							
August ...	1.42	3.52	1.70	1.98	1.44?							
September	.70	4.00	4.61	2.86	.53?							
October ...	3.15	3.83	.97	3.33	4.12?							
November	4.45	.93	1.80	5.09								
December	2.15	1.48	1.98	2.19								
TOTAL, ...	23.10	30.84	23.52	26.32								
Percentage												

## AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 ..... in. ....

1916-1950 ..... in. ....

..... in. ....

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(Details of data not known)

Earliest year with complete data (D : W : M) 10/1779

\*NOTES on years with incomplete or unsatisfactory data:-

1792 Jan : "could be 2.73"

1795 Apr → Oct : "values are doubtful"

\*Each note to be dated. Continue notes overleaf if necessary.

Form for retrospective data Feb. 1979 Rev.