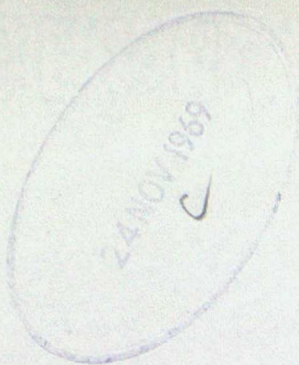


No 1 (Part One.)



Meteorological Office

Hydrometeorological Services (Met 0 8)

Hydrological Memoranda: No. 1 (Metric Version)

Part I

Averages of Rainfall (millimetres)

for

England, Wales and the Islands

1916-1950

Monthly Weather Report and Daily Weather Report Stations

DUPLICATE

MO Dups
320 (1)

G.11824/LG/12/66/200

Introduction

Hydrological Memorandum No. 1 was first published in January 1958. It contained monthly and annual averages in inches for the period 1916-1950 for 282 stations for which data were then being published in the Monthly Weather Report and the Monthly Summary of the Daily Weather Report.

In June 1964 a revised edition was published, this time in two parts, Part I giving averages for stations in England, Wales and the Islands, and Part II averages for stations in Scotland and Northern Ireland. The revised edition included averages for an additional 144 stations, averages for these stations being based in general on at least five years data. Averages were not included for all five year old stations for in a few cases calculations showed some slightly erratic results and in these cases the publication of averages was deferred pending the examination of data for a few more years. The wind swept sites of some airfields result in a noticeable deficiency in catch and the low averages for these sites were omitted as they were from the 1958 edition.

Averages in the revised 1964 edition of the Memorandum were first used in the Monthly Weather Report for January 1965. Averages in the 1958 edition of the Memorandum for stations which ceased prior to June 1964 were omitted from the revised 1964 edition.

From January 1967 the Meteorological Office is publishing all rainfall data in metric units in the Monthly Weather Report. The rainfall averages, in inches, for Monthly Weather Report stations published in June 1964 in Hydrological Memorandum No. 1 (revised). Parts I and II have been converted to millimetres and are now issued as Hydrological Memorandum No. 1 (Metric version), Parts I and II. Some of the monthly averages have been slightly adjusted so that for any station the sum of the twelve monthly averages in millimetres is exactly equal to the annual average in millimetres. Such adjustments involve an element of subjective judgement, but are based on fairly obvious and commonsense rules (e.g. they are applied to months with relatively large average values, in order to minimise the percentage adjustment for individual months) and, at the most, are rarely as much as one per cent.

The 305 stations for which averages are now published in millimetres fall into three classes, indicated by the letters A, B or C against the station names with the following significance:-

Class A. Averages for 72 stations reproduced here for the sake of completeness and convenience, are given in inches in "Averages of Rainfall for Great Britain and Northern Ireland, 1916-1950". This, the major publication with regard to monthly and annual averages of rainfall, 1916-1950, contains information for 719 stations based on records which were complete or nearly complete for the entire 35-year period. The introduction of this publication (M.O.635) should be consulted for further discussion of these averages.

Class B. Averages for 10 stations have been taken from a supplementary list of stations with averages similar in all respects to those of Class A. The information was excluded from the major publication simply because the areas represented were well covered by averages for the 719 stations in the final selection.

Class C. Averages for 223 stations with incomplete data during the 35-year period, 1916-1950. The data for the different stations were incomplete in the sense of being either non-existent for various years or not satisfactory because of site factors, faulty instruments or defective observational techniques. But in each case, however short the period for which satisfactory data were available, the computed averages represent the whole period 1916-1950, and the final values have been tested to ensure that they are, as far as possible, acceptably representative for the period. It is, of course, possible especially for stations established in relatively recent years, that with the accumulation of further data some adjustment of these averages will become desirable. (The same remark may apply, though with very much reduced force, to a few of the stations in classes A and B for which data were not complete or fully reliable, or where it has become necessary to move the climatological enclosure a short distance).

In this class C, averages for 177 stations were included for the first time in the 1964 edition. A few, however, had revised averages.

In the main table which follows, the stations have been arranged in the order of the districts used in the Monthly Weather Report. For each station the National Grid Reference has been given. Altitudes are to be found in column 3 of Table III in any Monthly Weather Report.

The final table gives the values in millimetres of average general rainfall, 1916-1950, over England, Wales, Scotland, N. Ireland, Gt. Britain and the United Kingdom. The values published in January 1958 were provisional only, being calculated from the information then available. This set of averages has been based on annual values obtained by planimeter measurements of the maps of average annual rainfall which were not available in 1957. It is considered that they are the best it is possible to provide.

A. Bleasdale
H. Rowsell

Meteorological Office, Met O 8b
Bracknell, Berks.

December, 1966

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Isle of Man	Ronaldsway	SC (24) 279688	C 97	60	55	51	56	54	59	75	81	98	91	95	871
	Douglas	SC (24) 382776	A 127	79	74	67	73	71	78	98	107	129	120	124	1147
	Point of Ayre	NX (25) 467043	C 87	53	49	45	51	49	55	68	73	88	82	86	786
<u>England N.E.</u> Northumberland	Kielder Castle	NY (35) 632935	C 137	90	79	76	76	76	107	118	111	126	114	111	1221
	Bellingham	NY (35) 808911	C 93	65	56	55	57	56	83	87	82	88	84	76	882
	Berwick-on-Tweed	NU (46) 002528	C 52	38	38	34	45	43	61	69	51	61	57	43	592
	Cockle Park	NZ (45) 200912	A 71	48	46	49	56	46	73	77	62	68	70	64	730
	Acklington	NU (46) 225000	C 63	43	42	44	49	43	67	71	57	65	64	59	667
	Tynemouth	NZ (45) 374694	C 59	42	39	41	51	45	75	77	59	63	63	61	675
	Chopwellwood	NZ (45) 136580	C 66	50	46	47	55	52	78	78	63	70	70	64	739
Durham	Ushaw	NZ (45) 219436	B 68	53	50	48	56	48	73	73	66	69	74	64	742
	Houghall	NZ (45) 277405	C 64	47	43	45	54	49	74	74	62	67	68	61	708
	Durham	NZ (45) 264416	A 59	45	42	43	51	46	71	69	60	61	63	58	668
	Gateshead	NZ (45) 268604	C 60	45	43	44	53	54	71	81	59	65	65	61	701
	W. Hartlepool	NZ (45) 510327	C 55	38	35	41	49	45	64	68	55	59	63	51	623
	Dishforth	SE (44) 379723	C 61	45	38	42	49	45	63	63	53	60	60	56	635
	York	SE (44) 598522	A 59	43	36	43	50	47	63	65	53	56	60	52	627
Yorkshire N.R.	Ampleforth	SE (44) 598789	C 74	54	47	50	56	54	74	78	65	69	76	66	763
	Redcar	NZ (45) 599249	C 53	40	35	37	46	44	62	66	52	58	64	51	608
	Whitby	NZ (45) 895109	C 64	49	41	41	48	46	64	70	54	61	67	64	669
	Scarborough	TA (54) 044884	A 64	46	38	45	47	43	63	66	53	57	65	62	649
	Silpho Moor	SE (44) 957946	C 84	62	52	54	61	58	82	87	69	78	86	81	854

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Yorkshire E.R.	High Mowthorpe	SE (44) 885688	61 ⁷⁸	54 ⁵⁶	58 ⁴⁸	48 ⁵⁵	58	60	72 ⁷⁴	75 ⁸⁰	62 ⁵²	72 ⁸⁹	80 ⁷²	72 ⁷⁵	778
	Hull	TA (54) 084302	60	47	38	46	49	44	61	66	52	60	65	57	645
	Filey	TA (54) 113801	66	47	41	48	51	45	62	67	55	62	73	68	685
	Bridlington	TA (54) 175689	68	49	42	48	51	44	61	67	58	65	74	69	696
Lincoln	Lincoln	SK (43) 962719	52	43	37	43	48	43	61	58	49	53	65	51	603
	Cranwell	TF (53) 003494	53	42	37	42	50	40	64	55	51	55	59	49	597
	Cleethorpes	TA (54) 314079	56	45	37	43	47	41	57	54	47	55	61	52	595
	Manby	TF (53) 391869	53	41	34	42	45	40	54	56	49	53	59	53	579
England E. Norfolk	Skegness	TF (53) 569631	53	39	33	41	42	38	56	54	51	51	59	51	568
	Terrington St. Clements	TF (53) 547187	46	34	30	38	40	38	55	48	46	48	52	44	519
	Santon Downham	TL (52) 813901	58	45	38	52	49	46	72	63	61	61	66	56	667
	W. Raynham	TF (53) 847245	65	52	41	52	52	50	74	60	68	69	74	61	718
Suffolk	Cromer	TG (63) 208422	63	47	40	47	47	41	67	56	60	70	75	65	678
	Sprowston	TG (63) 251123	59	44	39	46	45	44	65	54	58	65	68	58	645
	Burlingham	TG (63) 373101	57	42	37	45	43	43	64	53	57	62	70	57	630
	Gorleston	TG (63) 534037	56	41	34	42	38	42	59	51	57	62	70	55	607
Cambridge	Mildenhall	TL (52) 683778	48	36	32	43	41	38	61	52	51	49	52	46	549
	E. Bergholt	TM (62) 077333	57	41	37	46	41	39	53	53	50	61	66	56	600
	Lowestoft	TM (62) 543947	56	39	34	42	38	41	59	54	53	59	69	56	600
	Boxworth	TL (52) 347639	51	36	33	43	45	38	58	44	49	49	53	44	543
Cambridge	Cambridge (Bot. Gdn)	TL (52) 453572	50	35	33	45	46	37	61	48	52	50	53	42	552
	Cambridge (N.I.A.B.)	TL (52) 434604	50	35	33	44	45	38	60	47	51	49	53	42	547

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
Hunts	Wyton	TL (52) 284745	C	46	35	34	41	47	41	55	50	51	48	54	42	544
	Woburn	SP (42) 964358	A	54	41	40	49	56	43	62	59	52	58	62	53	629
	Luton	TL (52) 089231	A	61	44	40	49	49	40	61	58	52	61	67	56	638
	Silsoe	TL (52) 091358	C	49	36	35	44	49	40	62	54	48	53	57	45	572
	Cardington	TL (52) 083464	C	45	34	33	40	46	36	53	48	47	49	53	43	527
Herts.	Letchworth	TL (52) 208347	C	49	37	35	47	48	38	63	52	49	55	58	43	574
	Bovingdon	TL (52) 007038	C	71	51	46	56	55	46	69	62	60	70	81	68	735
	Garston	TL (52) 125015	C	65	46	42	54	51	45	65	58	57	66	75	62	686
	Rothamsted	TL (52) 132134	A	69	48	43	53	53	43	68	58	59	66	77	64	701
	St. Albans	TL (52) 182076	C	62	43	40	48	47	40	60	53	54	62	71	59	639
Essex	Eastwick Lodge	TL (52) 437118	C	56	40	37	47	42	40	60	52	54	59	63	52	602
	Stansted	TL (52) 531226	C	58	41	38	50	46	42	66	54	57	61	64	55	632
	Writtle	TL (52) 677069	C	55	39	36	48	42	38	57	52	48	58	62	52	587
	Coryton	TQ (51) 746823	C	45	33	32	43	37	33	49	46	40	51	56	45	510
	Southend	TQ (51) 878858	C	47	36	33	42	40	33	51	49	41	56	60	48	536
	Maldon	TL (52) 863065	C	49	35	32	43	38	33	48	46	44	53	56	48	525
	Earls Colne	TL (52) 858288	C	60	40	38	47	42	40	60	52	48	62	64	55	608
	Shoeburyness	TQ (51) 948857	B	47	33	32	40	39	30	50	48	41	53	57	45	515
	Clacton	TM (62) 172143	A	51	36	33	42	38	34	53	43	48	57	61	51	547
	Dovercourt	TM (62) 242301	C	54	36	33	41	37	35	48	48	48	57	61	51	549

Averages of rainfall, 1916-1950, M.W.R. stations, (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov	Dec.	Year
Midland Counties Yorkshire W.R.	Slaidburn	SD (34) 715549	C 178	122	92	93	91	87	130	148	147	177	161	153	1579
	Malham Tarn	SD (34) 893672	C 182	127	89	92	89	84	119	141	129	170	159	150	1531
	Huddersfield	SE (44) 163165	C 86	71	53	54	57	47	64	69	63	79	83	68	794
	Huddersfield, Oakes	SE (44) 113177	A 102	84	64	64	68	57	77	82	74	99	99	86	956
	Bradford	SE (44) 149352	C 89	71	54	59	62	51	74	77	66	84	89	77	853
	Ilkley	SE (44) 113476	A 102	84	60	65	67	57	78	86	74	96	97	91	957
	Harrogate, Bilton	SE (44) 303579	A 80	62	50	53	62	51	72	74	63	75	79	71	792
	Sheffield	SK (43) 339873	C 77	61	51	53	58	48	70	71	59	75	82	74	779
	Wakefield	SE (44) 327199	A 64	54	43	46	56	41	65	67	53	62	65	54	670
	Rotherham	SK (43) 435923	C 60	49	41	44	48	41	59	62	50	57	62	55	628
	Pontefract	SE (44) 454213	C 55	47	35	42	51	41	61	63	50	54	59	48	606
	Bramham	SE (44) 441412	C 50	42	47	44	54	57	69	70	45	74	58	62	672
	Cawood	SE (44) 561366	C 59	43	37	43	51	46	65	64	52	56	60	52	628
	Askham Bryan	SE (44) 552475	C 63	45	38	46	54	49	66	68	55	59	63	55	661
	Buxton	SK (43) 059738	A 140	101	73	85	73	81	99	105	100	126	126	123	1232
Derby	Chapel-en-le-Frith	SK (43) 057809	C 116	92	65	71	74	73	90	93	91	113	114	106	1098
	Belper	SK (43) 346468	C 72	56	46	50	56	46	70	67	61	69	75	63	731
	Derby	SK (43) 359367	C 69	57	46	50	57	46	70	67	61	69	75	64	731
	Morley	SK (43) 386401	C 73	58	47	52	59	47	72	69	62	71	73	65	748
	Chesterfield	SK (43) 384717	C 75	60	51	51	53	46	64	68	58	71	76	69	742

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Notts.	Sutton Bonington	SK (43) 503262	55	43	36	43	47	37	60	56	47	54	56	49	583
	Watnall	SK (43) 506454	68	51	44	49	53	44	69	66	56	64	68	59	691
	Mansfield	SK (43) 543618	68	52	45	50	54	42	68	63	54	68	72	62	698
	Nottingham	SK (43) 568395	58	45	37	46	50	37	64	60	50	57	58	52	614
	Warsop	SK (43) 591699	54	44	38	40	46	38	56	57	46	56	61	51	587
Leics.	Newton Linford	SK (43) 530095	63	51	44	53	55	45	67	64	55	65	67	58	687
	Leicester, Towers	SK (43) 623042	60	45	40	51	55	46	68	67	56	64	63	55	670
Northants.	Caldecott	SP (42) 864932	54	37	36	45	44	41	56	55	48	54	58	48	576
	Bugbrook Mills	SP (42) 681586	55	41	38	49	48	38	56	53	52	57	60	52	599
	Raunds	SP (42) 991721	53	38	37	44	49	38	56	53	53	52	58	48	579
	Wittering	TF (53) 048032	53 ⁵⁴	38 ³⁸	36 ³⁴	45 ⁴²	47 ⁴⁵	44 ⁴²	57 ⁴²	54 ⁵¹	50 ⁵⁵	51 ⁵⁴	57 ⁵⁹	47 ⁴⁹	579 ⁵⁷⁵
	Birmingham, K. Ed. Sch	SP (42) 051836	73	55	48	58	63	48	73	70	62	73	78	68	769
Warwicks.	" Edgbaston	SP (42) 046864	76	56	48	58	66	48	73	70	63	73	80	69	780
	Luddington	SP (42) 154528	55	39	36	46	52	40	59	56	54	58	57	48	600
	Stratford-on-Avon	SP (42) 197548	46	40	41	39	51	52	57	63	42	65	54	59	609
	Elmdon	SP (42) 171837	64	48	43	50	57	42	66	62	55	64	68	61	680
	Shipston-on-Stour	SP (42) 213407	63	47	42	50	59	43	63	61	60	61	68	57	674
	Wellesbourne	SP (42) 271565	58	43	40	48	54	42	62	58	58	60	62	51	636
	Moreton Morell	SP (42) 306553	58	43	42	49	54	42	62	59	58	59	62	52	640
	Coventry	SP (42) 337792	63	46	41	51	55	44	67	65	56	62	66	58	674
	Rugby	SP (42) 507749	60	43	40	51	52	44	63	60	55	61	65	54	648

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Oxford	Oxford	SP (42) 509072	60	45	42	48	52	43	61	57	56	64	66	58	652
Bucks.	Aylesbury	SP (42) 842114	60	44	41	49	53	41	67	57	56	64	69	57	658
Staffs.	Keele	SJ (33) 820446	75	59	47	51	61	57	77	78	68	82	79	74	802
	Stone	SJ (33) 878321	81	64	54	55	65	48	82	85	75	88	84	75	859
	Penkridge	SJ (33) 922115	70	54	47	50	55	48	73	72	61	68	74	67	739
	Onecote	SJ (33) 922115	66	49	44	48	56	47	72	67	58	69	67	60	703
	Walsall	SK (43) 035576	107	82	62	72	76	74	106	102	94	107	112	99	1093
		SK (43) 012005	69	52	46	54	62	49	73	71	62	72	74	60	744
Salop	Oswestry	SJ (33) 278296	91	68	58	59	71	55	81	82	69	93	94	85	906
	Church Stretton	S0 (32) 438909	90	66	60	65	68	55	76	81	69	88	93	85	896
	Shrewsbury	SJ (33) 514138	61	43	41	47	53	44	61	64	54	67	63	56	654
	Shawbury	SJ (33) 553220	62	44	42	46	54	43	63	64	55	68	63	56	660
	Bridgnorth	S0 (32) 709932	64	46	43	50	57	43	67	65	52	66	67	59	679
	Newport	SJ (33) 712204	60	45	42	46	55	44	67	64	55	68	63	54	663
Worcs.	Malvern	S0 (32) 790461	75	52	49	55	64	46	66	68	61	72	73	68	749
	Worcester, Redhill	S0 (32) 873536	63	42	39	46	58	38	57	56	52	59	61	54	625
	Pershore Inst.	S0 (32) 960450	59	41	41	47	59	42	62	61	56	62	62	55	647
	Halesowen	S0 (32) 948822	74	49	45	56	66	49	77	70	60	74	77	64	761
Hereford	Lyonshall	S0 (32) 339576	89	64	57	60	62	46	67	71	62	87	88	79	832
	Ross-on-Wye	S0 (32) 598233	74	51	49	50	55	38	58	61	58	71	74	69	708
	Preston Wynne	S0 (32) 565475	65	44	43	46	51	41	58	60	57	66	67	60	658

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Glos.	Bristol, Filton	ST (31) 598802	77	55	50	50	58	47	72	76	70	83	78	75	791
	Gloucester, Hempsted	SO (32) 811157	70	51	48	52	56	46	66	69	62	72	72	68	732
	Cheltenham	SO (32) 946218	63	48	42	49	51	44	59	59	56	66	69	62	668
	Cirencester	SP (42) 004012	85	62	56	59	66	53	72	78	72	83	86	79	851
	Little Rissington	SP (42) 209191	76	57	52	57	58	47	64	65	66	75	80	75	772
<u>England S.E.</u> London	Kensington Palace	TQ (51) 259801	58	42	39	49	47	47	63	58	53	60	66	56	638
	Hampstead	TQ (51) 262863	63	46	41	54	51	47	67	61	57	66	71	61	685
	St. James' Park	TQ (51) 299799	52	38	38	47	45	42	58	55	51	56	62	51	595
	Regents' Park	TQ (51) 283826	59	44	40	51	48	46	63	61	54	61	69	58	654
	Camden Square	TQ (51) 296846	58	43	40	50	45	46	61	59	55	60	66	56	639
Middlesex	Greenwich, M. Museum	TQ (51) 387776	50	39	37	45	44	40	56	55	46	53	60	50	575
	London Airport	TQ (51) 077768	57	41	38	45	46	39	56	52	51	60	64	54	603
	Hampton	TQ (51) 131695	53	39	36	46	44	41	59	51	46	56	62	54	587
	Southgate	TQ (51) 299952	59	43	40	53	45	41	59	57	54	61	67	57	636
	Wisley	TQ (51) 063583	62	46	41	51	47	43	67	55	49	64	72	64	661
Surrey	Mickleham	TQ (51) 173527	77	59	48	57	49	43	63	60	57	72	86	80	751
	Kew Observatory	TQ (51) 171757	55	39	37	46	46	44	62	57	50	57	63	52	608
	Gatwick	TQ (51) 265407	78	55	48	58	50 ⁴⁸	44	65	65	57	81	87	81	769
	Croydon, Waddon	TQ (51) 314639	65	51	43	55	58	41	62	60	54	68	76	70	693
	Addington	TQ (51) 352643	69	53	45	58	51	44	67	64	57	74	80	73	735

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Kent	Bromley	TQ (51) 399693	57	45	41	52	47	40	58	55	49	64	70	60	638
	Swanley	TQ (51) 512701	55	43	38	49	45	41	57	54	46	58	68	55	609
	Dartford	TQ (51) 542736	50	38	35	46	42	37	54	50	46	53	62	51	564
	Tunbridge Wells	TQ (51) 588392	77	57	50	57	53	44	58	62	56	83	92	80	769
	Goudhurst	TQ (51) 722333	87	61	53	59	53	45	64	70	62	93	100	87	834
	E. Malling	TQ (51) 711568	63	47	42	53	49	41	60	59	53	72	78	66	683
	Gillingham	TQ (51) 785692	56	44	39	47	45	36	58	53	47	63	69	58	615
	Sittingbourne	TQ (51) 891613	51	48	53	43	46	58	59	59	54	86	74	70	701
	Isle of Grain	TQ (51) 871749	45	34	32	40	38	29	48	44	39	53	57	48	507
	Throwley	TQ (51) 983518	62	58	62	49	49	61	61	66	62	97	84	85	796
	Dungeness	TR (61) 094169	62	42	38	45	42	33	51	51	51	78	78	65	636
	Wye	TR (61) 057469	76	56	49	55	53	41	64	64	58	87	91	79	773
	Whitstable	TR (61) 112665	49	34	34	40	37	33	50	49	44	63	66	50	549
	Folkestone	TR (61) 227358	65	47	40	47	43	36	56	52	54	78	84	68	670
	Herne Bay	TR (61) 171681	52	37	36	42	39	34	52	51	46	66	69	54	578
	Dover	TR (61) 320410	71	52	46	51	44	41	60	57	58	85	93	74	732
	Dover R.M.S.	TR (61) 327439	84	58	49	57	55	44	70	68	69	98	110	86	848
	Manston	TR (61) 335666	49	36	32	38	39	34	51	50	50	65	67	49	560
	Ramsgate	TR (61) 385648	52	38	33	39	40	36	56	54	53	68	69	52	590
	Margate	TR (61) 361714	47	35	31	36	36	31	50	49	50	63	64	48	540
Sussex	Thorney Island	SU (41) 756027	76	52	44	45	44	36	52	54	53	73	80	72	681
	Bognor Regis	SZ (40) 934989	80	56	48	50	48	39	53	59	56	78	85	78	730
	Fernhurst	SU (41) 906267	98	68	58	60	58	46	68	69	66	88	107	99	885
	Littlehampton	TQ (51) 033018	77	53	46	47	46	40	56	58	55	77	87	75	717

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Sussex (ctd.)	Worthing	TQ (51) 153029	A	75	51	44	45	42	39	54	55	75	87	73	698
	Brighton	TQ (51) 313054	C	72	49	44	46	41	39	55	55	72	85	72	688
	Seaford	TV (50) 486990	A	73	51	45	48	44	42	55	60	80	91	78	730
	Eastbourne	TV (50) 611980	A	82	55	50	51	44	41	57	64	91	101	85	783
	" (Cgd Sta)	TV (50) 622999	C	82	55	50	51	44	42	56	63	90	97	84	781
	Bexhill	TQ (51) 737072	C	72	50	45	48	44	39	54	57	82	90	78	716
	Bodiam	TQ (51) 785249	C	82	59	51	55	53	43	62	61	89	99	84	804
	Hastings	TQ (51) 809094	C	72	51	46	49	44	39	57	56	83	92	79	725
	Abingdon	SU (41) 482990	C	54	43	39	47	48	37	62	51	63	63	51	611
	Woolhampton	SU (41) 578681	C	62	45	43	49	49	41	63	55	67	70	63	666
Berkshire	Shinfield	SU (41) 734686	B	62	45	42	47	46	41	64	54	67	70	59	655
	Reading, Univ.	SU (41) 738748	A	61	45	43	48	47	41	64	53	66	70	59	653
	" Seed Trial Gr.	SU (41) 738738	C	58	42	41	46	44	39	60	51	62	65	55	616
	Hurley	SU (41) 823829	C	65	47	41	49	48	40	65	54	66	71	61	665
	Bournemouth	SZ (40) 071917	C	90	58	52	51	48	40	56	64	88	95	88	793
	Hurn	SZ (40) 116978	C	87	58	52	50	48	39	55	62	82	93	87	774
	Christchurch	SZ (40) 155937	C	87	58	51	50	48	39	55	62	84	92	85	771
	Everton	SZ (40) 303937	C	83	55	49	47	45	38	53	59	81	85	80	732
	Southampton	SU (41) 419119	A	87	59	53	55	52	44	61	65	84	92	86	804
	Leckford	SU (41) 393362	C	82	60	51	57	49	47	65	63	88	91	89	802
Hants.	Winchester	SU (41) 484300	C	83	60	50	57	52	47	70	66	82	92	87	812
	Martyr Worthy	SU (41) 517338	C	79	57	47	54	48	44	67	62	78	86	81	765

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Hants. (otd.)	Southsea	SZ (40) 640990	78	54	47	48	44	36	51	55	56	77	83	77	706
	Long Sutton	SU (41) 748467	85	59	52	57	53	44	69	63	61	82	90	81	796
	Alice Holt Lodge	SU (41) 804429	85	59	52	56	53	44	68	62	61	81	90	83	794
	S. Farnborough	SU (41) 867544	69	49	43	51	49	41	65	57	53	66	73	69	685
Isle of Wight	St. Catharines Pt.	SZ (40) 506755	85	55	49	50	47	35	54	54	60	86	92	84	751
	Ventnor Park	SZ (40) 560774	93	61	54	54	50	39	59	60	77	95	101	91	824
	Shanklin	SZ (40) 581808	104	68	59	59	52	42	64	66	63	104	111	101	903
	Sandown	SZ (40) 602844	89	58	50	50	45	36	55	56	62	88	95	87	771
Wiltshire	Ryde	SZ (40) 595929	87	58	49	49	44	35	53	58	62	86	92	87	760
	Lacock	ST (31) 923702	73	55	48	50	57	49	63	65	63	72	77	68	740
	W. Lavington	SU (41) 000535	78	55	48	54	57	47	67	64	66	80	81	77	774
	Lyneham	SU (41) 012786	71	53	46	52	56	47	65	63	61	73	75	70	732
	Larkhill	SU (41) 137444	71	51	46	49	49	42	65	57	57	77	80	75	719
	Boscombe Down	SU (41) 172393	74	52	45	50	47	41	63	59	60	74	81	77	723
	Upavon	SU (41) 164547	78	55	48	52	52	44	67	65	64	79	83	81	768
	Marlborough	SU (41) 185686	87	63	54	63	59	49	73	69	70	87	91	88	853
England N.W.	Porton	SU (41) 210366	75	55	47	52	48	43	61	59	63	78	85	81	747
	Sellafield	NY (35) 027032	108	70	67	62	70	67	100	108	109	120	112	109	1102
	Newton Rigg	NY (35) 493310	101	62	56	52	54	55	78	84	79	97	85	84	887
	Ambleside	NY (35) 372040	235	153	119	102	98	96	132	155	174	212	208	206	1890
Westmorland	Moor House	NY (35) 758328	227	144	132	130	134	121	186	194	192	212	198	192	2062

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Lancashire	Squires Gate	SD (34) 316317	81	55	48	47	60	56	73	89	83	94	86	80	852
	Urswick	SD (34) 268742	121	75	72	66	75	72	97	116	119	129	121	116	1179
	Southport	SD (34) 371208	79	55	49	47	59	55	73	88	82	91	88	78	844
	Poulton-le-Fylde	SD (34) 346384	90	62	52	51	64	59	82	97	91	104	94	88	934
	Speke	SJ (33) 415839	72	52	45	43	58	52	74	79	72	79	75	72	773
	Kirkham	SD (34) 414346	92	63	53	51	64	64	86	101	96	108	94	89	961
	Morecambe	SD (34) 431645	98	65	54	52	65	63	83	100	98	107	98	92	975
	Garstang	SD (34) 469480	93	63	52	51	61	64	88	98	99	108	94	90	961
	Preston	SD (34) 537311	97	68	55	56	67	68	91	105	98	108	99	91	1003
	Stonyhurst	SD (34) 692388	126	92	67	68	71	77	103	125	116	135	120	113	1213
	Helmshore	SD (34) 774205	169	123	92	94	92	94	122	152	135	165	162	139	1539
	Nelson	SD (34) 872384	119	92	61	68	69	70	93	111	102	125	117	106	1133
	Rochdale	SD (34) 886129	119	90	66	68	75	72	98	115	98	119	120	108	1148
	W. Kirby Park	SJ (33) 216865	73	52	47	46	59	52	70	77	71	81	75	72	775
	Bidston Ob's'y	SJ (33) 287897	65	49	42	43	57	50	70	80	67	76	71	67	737
Cheshire	Winnington	SJ (33) 643747	74	54	45	48	56	54	69	78	69	80	74	69	770
	Knutsford	SJ (33) 757783	80	59	48	50	60	63	80	86	73	85	81	75	840
	Ringway	SJ (33) 818850	76	60	45	48	57	59	79	81	68	82	77	70	802
	Macclesfield	SJ (33) 911741	86	69	52	62	64	69	93	90	79	92	87	80	923
N. Wales Flint	Rhyl	SJ (33) 002807	64	47	42	40	54	42	53	63	67	76	65	63	676
	Prestatyn	SJ (33) 065831	69	50	45	43	57	49	59	69	69	78	70	68	726
	Hawarden Bridge	SJ (33) 322693	64	50	43	45	54	46	63	68	59	73	70	63	698

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Anglesey	Valley	SH (23) 310758	C	91	58	53	48	57	64	74	80	98	91	90	855
Denbigh	Colwyn Bay	SH (23) 857786	C	75	55	47	44	53	55	65	71	84	74	75	746
	Alwen	SH (23) 957529	C	144	102	80	78	78	90	106	109	139	130	132	1264
	Bwlchgwyn	SJ (33) 236520	C	100	83	71	73	80	88	98	91	118	115	107	1092
	Wrexham	SJ (33) 338507	C	75	60	51	57	57	66	69	61	81	82	69	774
	Bryn Adda	SH (23) 563705	C	125	87	73	66	75	88	104	112	136	127	124	1193
Caernarvon	Cwm Dyli	SH (23) 654542	C	403	282	218	207	185	282	321	317	389	364	375	3568
	Aber	SH (23) 650728	C	111	79	65	59	67	78	92	99	119	111	109	1057
	Llandudno	SH (23) 776818	A	75	55	47	43	53	53	65	69	82	72	74	733
	Blaenau Ffestniog	SH (23) 701458	C	283	212	148	143	140	202	229	227	281	263	252	2551
	Corwen	SJ (33) 048399	C	118	91	69	67	77	78	88	83	123	114	111	1082
Montgomery	Lake Vyrnwy	SJ (33) 016192	C	205	152	101	103	93	113	129	127	180	177	182	1655
S. Wales Cardigan	Aberporth	SN (22) 247516	C	118	79	70	60	60	80	84	85	119	119	114	1041
	Aberystwyth	SN (22) 580815	C	97	73	56	54	56	83	89	88	106	96	94	954
	" P.B.S.	SN (22) 605825	C	94	74	80	59	60	88	109	81	119	107	116	1057
	Gogerddan	SN (22) 627836	C	102	78	61	58	61	89	96	94	115	102	101	1024
	Swyddffnon	SN (22) 696655	C	138	101	81	78	76	111	114	113	141	138	139	1310
	Trawsoed	SN (22) 674736	C	124	91	72	72	68	106	107	103	133	127	124	1200
	Llety-evan-hen	SN (22) 693851	C	149	111	83	86	79	120	133	132	160	146	141	1430
	Brawdy	SM (12) 852248	C	133	87	76	62	68	93	96	97	129	136	129	1165
	Haverfordwest	SM (12) 955153	C	134	88	77	61	68	95	98	98	130	140	131	1179
Pembroke															

Averages of rainfall, 1916-1950, M.W.R. stations (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Radnor	Llandrindod Wells	SO (32) 061605	C 116	82	66	67	69	61	80	80	80	108	113	110	1032
Glamorgan	Swansea	SS (21) 642923	C 120	82	63	61	67	61	89	98	97	119	120	115	1092
	Port Talbot	SS (21) 789867	C 114	78	63	62	68	61	96	101	100	116	118	111	1088
	Neath	SS (21) 718957	C 134	92	73	74	77	69	107	113	112	137	137	132	1257
	Porthcawl	SS (21) 822771	C 102	69	61	57	63	52	83	95	92	104	103	99	980
	Rhose	ST (31) 060670	C 97	63	54	57	61	49	77	88	87	101	97	91	922
Monmouth	Cardiff	ST (31) 195793	A 116	76	65	65	74	58	87	98	93	114	112	111	1069
	Tredegear	SO (32) 141086	C 183	139	106	100	95	87	126	129	129	183	182	177	1636
	Newport	ST (31) 279849	C 114	74	64	63	68	56	85	95	86	107	105	105	1022
	Usk	SO (32) 368018	C 114	75	68	64	67	52	82	88	82	105	106	105	1008
	Crumbland Plantation	SO (32) 474024	C 112	75	69	65	68	58	88	91	87	108	108	105	1034
England S.W. Somerset	Hawkridge	SS (21) 877327	C 168	124	91	96	86	69	111	123	126	158	175	169	1496
	Connington	ST (31) 258400	C 74	53	48	50	56	41	63	72	65	81	81	76	760
	Weston-super-Mare	ST (31) 318602	A 77	55	50	52	59	45	68	88	76	91	84	78	823
	Long Ashton	ST (31) 533698	A 88	65	57	57	64	54	79	91	82	101	93	89	920
	Bath, City Boys Sch.	ST (31) 751638	C 75	58	53	53	59	48	72	74	66	83	81	75	797
Dorset	Portland Bill	SY (30) 677684	C 73	53	45	40	45	34	48	48	55	73	83	78	675
	Weymouth	SY (30) 676791	A 81	59	51	46	50	37	55	55	63	82	95	89	763
	Shaftesbury	ST (31) 861228	C 88	62	54	54	54	48	68	71	68	85	94	88	834
	Swanage	SZ (40) 030794	C 88	58	50	47	48	37	58	60	65	84	93	88	776
	Poole	SZ (40) 027915	C 91	60	53	51	51	41	57	63	65	90	96	90	808

* please note changes in average

Averages of rainfall, 1946-1950, M.W.R. stations, (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Devon	Hartland Point	SS (21) 231277	C 102	67	57	51	56	49	71	76	80	105	106	103	923
	Mount Batten	SX (20) 492529	C 110	79	69	56	61	51	65	73	73	97	114	115	963
	Plymouth, The Hoe	SX (20) 478537	A 109	78	69	56	60	51	65	73	74	97	113	114	959
	Chivenor	SS (21) 494347	C 103	66	56	55	52	47	69	79	78	101	102	103	911
	Ilfracombe	SS (21) 520478	A 105	71	62	58	57	49	76	80	85	111	109	111	974
	Totnes	SX (20) 788620	C 142	98	88	76	75	57	77	88	88	116	146	144	1195
	Newton Abbot	SX (20) 828729	C 120	81	73	63	64	48	66	74	76	98	122	120	1005
	Paignton	SX (20) 891608	C 115	80	74	64	64	50	60	74	74	93	120	114	982
	Torquay	SX (20) 909638	A 104	73	67	58	58	45	55	67	67	84	108	103	889
	Teignmouth	SX (20) 941728	A 96	68	64	54	58	42	55	62	65	83	99	98	844
	Starcross	SX (20) 972821	C 95	65	64	58	59	45	62	68	66	85	99	96	862
	Exmouth	SY (30) 015813	C 90	64	62	57	59	46	60	68	69	82	95	94	846
	Exeter	SX (20) 995937	C 96	68	60	54	56	43	63	69	66	82	99	94	850
	Sidmouth	SY (30) 124873	C 88	60	56	51	52	40	56	63	65	76	91	87	785
	St. Mary's, Scilly	SV (00) 913120	A 90	69	64	54	55	44	56	64	63	91	92	89	831
	Penzance	SW (10) 473300	A 127	89	80	64	62	50	70	75	80	111	124	123	1055
	Gulval	SW (10) 486317	C 122	85	76	60	60	47	67	71	76	106	119	118	1007
Cornwall	Culdrose	SW (10) 669264	C 106	74	69	55	54	43	60	65	69	95	107	106	903
	Rosewarne	SW (10) 643412	C 112	81	74	59	59	47	65	70	74	102	114	112	969
	Lizard	SW (10) 701119	C 101	72	61	51	50	42	54	60	60	88	99	99	837
	Palmouth	SW (10) 802325	A 132	95	81	67	66	50	71	77	78	117	132	134	1100
	Newquay	SW (10) 812614	A 97	68	59	49	55	45	67	68	67	96	100	97	868

Averages of rainfall, 1916-1950, M.W.R. stations, (mm)

District and County	Station Name	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Cornwall (ctd.)	St. Mawgan	SW (10 871642	C 108	76	66	55	62	50	76	76	75	107	111	108	970
	St. Austell	SX (20 018525	A 143	103	89	74	78	59	86	91	91	128	143	143	1228
	Bude	SS (21) 208603	B 94	64	55	49	53	45	68	72	75	96	100	97	868
	Ellbridge	SX (20) 401632	C 118	82	71	61	66	55	75	82	81	109	122	125	1047
Channel Islands		U.T.M.G.R.													
	Guernsey	WV (554) 294759	C 94	68	61	53	52	40	55	61	73	92	113	100	862
	Jersey	WV (554) 588508	C 92	66	56	53	47	38	51	63	68	87	114	98	833
	St. Helier	WV (554) 651483	C 85	60	51	49	43	35	47	57	63	80	105	90	765