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M.O. 408

AIR MINISTRY

METEOROLOGICAL OFFICE

AVERAGES OF BRIGHT SUNSHINE
for
THE BRITISH ISLES

For periods ending 1935

*Published by the Authority of the
Meteorological Committee*

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LONDON

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AVERAGES OF BRIGHT SUNSHINE FOR THE BRITISH ISLES

INTRODUCTION

Summary of contents. - This publication contains, in Table I, station averages for each calendar month and for the year, of the total duration of bright sunshine, the mean daily duration and the "percentage of possible". For the purpose of calculating the latter quantity the theoretically possible duration is regarded as equivalent to the mean interval between sunrise and sunset, allowance being made for refraction. The mean value of the daily duration of possible sunshine for each month and the year in latitude 50°N. to 60°N. at intervals of 2° is given in the Appendix.

In Table I averages are given for all stations having ten or more complete years of observations in the period of 30 years ended 1935. The longest period of years dealt with in the table is therefore, thirty, no data prior to the year 1906 being included. The period of years to which the averages relate is printed for each station at the head of the table. In each case the average printed is the direct arithmetical mean of the observations available, no attempt having been made to adjust or "weight" averages for shorter periods to the standard period of 30 years.

Table II contains, for certain stations, the average and percentage number of days in each month when the recorded sunshine was (a) nil (b) 0.1 to 3.0 hours, (c) 3.1 to 6.0 hours, (d) 6.1 to 9.0 hours, (e) more than 9.0 hours.

The Observations. - At all stations the instrument is of the Campbell-Stokes pattern in which the duration of sunshine is recorded in the form of a scorched or burnt line traced on a graduated card by means of a spherical lens acting as a burning glass. Details of the instrument will be found in "The Meteorological Observer's Handbook" (M.O.191). The height in feet above sea level of the site to which the observations refer

is given as the sum of two figures, thus, $a + b$, a representing the height of the ground above M.S.L. and b the height of the instrument above the ground. Where a change of site has occurred, the height printed refers to the site in use in 1935.

At certain stations obstacles project above the horizon in the path of the sun and consequently prevent the registration of sunshine at certain periods. In some cases obstacles only affect the records in certain months, in other cases the record is curtailed at all times of the year. Following the practice introduced in the Monthly Weather Report in 1926 a letter S is used to indicate the months in which registration is prevented for more than 5 per cent. of the time during which the sun's angular altitude above the horizon is 3 degrees or more. No correction on account of such obstacles has been applied to the averages. In this connexion it must be remembered that the average recorded duration of sunshine within an hour of sunrise or sunset is in all cases small owing to the effects of cloud, haze and atmospheric absorption, even when the horizon is unobstructed.

At a large majority of the stations the spherical lens has been tested and certified in the Meteorological Office. In certain cases where a laboratory test showed that the sphere was optically defective, a comparison with a standard recorder was carried out and the percentage loss of record due to the use of the defective sphere was thus ascertained. In such cases corrections were applied to past records in order to obtain corrected averages comparable with the records subsequently obtained from certified spheres. In a few other cases the value of the corrections necessary to past records have been obtained by comparison with an adjacent station.

At Kirkwall (Orkney), the record began in 1927 but it was possible to compute a 30 years average by utilising the Deerness records corrected by the application of monthly factors derived from a comparison extending over a period of 5 years.

The data are described as referring to "bright" sunshine, because it is known that the Campbell-Stokes recorder fails to record sunshine below a certain limit of intensity. On a clear day with a cloudless sky the record does not usually begin until about half-an-hour after sunrise and it usually terminates half-an-hour or more before sunset. The loss of record near sunrise and sunset is mainly due to the reduction of intensity of the transmitted sunlight by atmospheric absorption and scattering, but is partly due to an instrumental factor which does not come into play when the sun has reached a higher altitude, namely, the reduction of the effective optical aperture of the sphere by the projecting horns of the frame which holds the cards. The loss from this cause has been shown, however, to be small.*

On the other hand it is certain that during periods of bright intermittent sunshine the recorded duration exceeds the real duration, owing to the "spread of the burn". Theoretically, the diameter of the sun's image formed by the sphere is about 0.7 mm., but the breadth of the burnt spot formed on the card by a few seconds exposure to bright sunshine is about 2 mm. Consequently the record obtained when the passage of clouds renders the sunshine intermittent may be indistinguishable from a record obtained in uninterrupted sunshine. Observers are instructed to make allowance for the spread of the burn when measuring the traces,† and approximate uniformity of practice in this and other respects is ensured by systematically checking the observer's estimates, but some exaggeration of the recorded duration, except during periods of uninterrupted, or very weak sunshine, cannot be avoided.

General Remarks. The averages now printed in Table I represent the second issue in the new quinquennial series which was begun by the publication of "Averages of Bright Sunshine for periods ending 1930" (M.O.377). As compared with earlier averages or normals published by the Meteorological Office the new series incorporates two changes of policy. These are (a) the limitation of the period to a maximum of 30 years,

*London Meteor. Office, Prof. Notes No.45. Addendum pp. 10-11.

†See Meteorological Observer's Handbook (ed.1934)p.100.

(b) the publication of averages for varying periods with no attempt to weight or adjust averages for shorter periods.

These changes are consonant with the policy adopted in "Averages of Temperature for the British Isles" (M.Q. 364) and the reasons for making them are explained at length in the Introduction to that publication. It may be remarked that the considerations which make it desirable to limit the period for the computation of working averages to a maximum of 30 years apply with special force in the case of sunshine. In the first place the number of stations from which we have homogeneous records of sunshine extending back beyond the year 1906 is small and we know now that at certain of those stations the records have been affected by the use of a defective sphere. In the second place there is good reason to believe that a secular change is occurring in the incidence of sunshine in certain areas. A striking example is furnished by Westminster, where the annual duration of sunshine increased by 20 per cent between the lustrum 1896-1900 and the lustrum 1911-1915. In this case the magnitude of the change is probably exceptional, but it cannot be doubted that an examination of other records would show progressive changes due to such causes as the expansion of towns into what were formerly rural areas, the erection of new factories, the substitution of gas and electricity for coal in domestic cooking appliances and the abatement of smoke pollution from industrial sources, some tending to decrease and some to increase the amount of sunshine recorded in particular areas. The effects of these human activities form an interesting study but their existence makes it inadvisable to make use of a very long period in computing sunshine averages for present day use.

In regard to (b), it is necessary to emphasise the fact that owing to variations in the number of years used the averages are not strictly comparable from station to station. An idea of the order of magnitude of the differences arising in this way may be obtained by computing averages for various periods for one and the same station. The results of such computations in

the case of Kew Observatory are shown in the Table appended.

Kew Observatory - Average daily duration of sunshine for various periods ending 1935.

	10 years	15 years	20 years	25 years	30 years
	1926	1921	1916	1911	1906
	-1935	-1935	-1935	-1935	-1935
	hrs.	hrs.	hrs.	hrs.	hrs.
January	1.44	1.44	1.41	1.35	1.41
February	2.04	2.04	2.00	2.02	2.16
March	3.95	3.75	3.58	3.40	3.49
April	4.37	4.48	4.38	4.69	4.87
May	5.75	6.12	6.31	6.36	6.40
June	6.84	6.87	6.81	6.87	6.76
July	6.78	6.78	6.39	6.30	6.25
August	6.30	6.00	5.91	5.80	5.91
September	4.97	4.84	4.74	4.90	4.88
October	3.11	3.17	3.27	3.14	3.10
November	1.63	1.68	1.70	1.74	1.77
December	1.20	1.26	1.20	1.20	1.21
Year	4.04	4.04	3.98	3.99	4.02

It will be seen that the different periods yield averages which differ only slightly in certain months, or when the whole year is considered. On the other hand in certain other months the differences are relatively substantial. We note, in particular, that the 10-year averages for March, April, May and July differ quite materially from the 30 year averages. The averages for the period 1926-1935 indicates that July yields about one hour per day more sunshine than May, but we see from the 30 year averages that May is, in the long run, slightly the more sunny month of the two.

In recent years March has tended to yield an excess of sunshine and April a deficiency. This peculiarity has been particularly conspicuous in the Eastern Counties and its effects may be seen by comparing the averages for Sprowston (2 miles from Norwich) for the period 1925 to 1935 with those for Norwich itself, which refer to the 25 years 1911-1935. From the Sprowston averages

it might be judged that March and April are almost equally sunny months in the Norwich neighbourhood, the values being 4.64 hours at 4.68 hours per day, respectively. The Norwich averages for 25 years (March 4.03 hours, April 5.07 hours) show, however, that April yields, as might be expected, about an hour per day more sunshine than March, when a longer series of data are analysed. From these examples it is clear that the reader must be on his guard against attaching too much importance to apparent differences in the averages for neighbouring stations. In many cases such differences arise solely from differences in the periods of years used in calculating the averages.

Table II contains, for 18 stations, the average and percentage number of days in each month and the whole year, with bright sunshine between stated limits of duration. For the majority of stations these data refer to the 20 years 1913 to 1932; a discussion of them will be found in Professional Notes No.69.

Previous Publications containing Monthly Averages of Sunshine -

Sunshine in the British Isles 1881-1890 (Official No.98)

Appendices to the Weekly Weather Report, 1891, 1895, 1901, 1906 and 1913.

Book of Normals of Meteorological Elements for the British Isles, (M.O.236), Sec.I (1881-1915)

Averages of Bright Sunshine for the British Isles for periods ending 1930 (M.O.377).

APPENDIX

Daily Mean Duration of Possible Sunshine in
hours and decimals for each Month and the
Year in Latitudes 50°N. to 60°N.

The duration of possible sunshine is defined as the interval between the ascending and descending transits of the centre of the sun's disc across the horizon, allowance being made for refraction. The values here given were computed from the basic data given in the International Meteorological Tables using mean values of the solar declination for the 4-year period 1907-1910. They may be regarded without appreciable error as normal values of the mean duration of possible sunshine for comparison with the averages of recorded sunshine given in this publication. In individual years there are variations, which do not, however, amount to as much as 0.1 hour per day in any month. The variations are greatest in equinoctial months and vanish in solstitial months.

The corresponding values for intermediate latitudes can be obtained by interpolation between adjacent columns of the Table. Values for individual dates will be found in Form 3301.

Month	Latitude (North)					
	50°	52°	54°	56°	58°	60°
	hr.	hr.	hr.	hr.	hr.	hr.
January	8.55	8.26	7.95	7.60	7.18	6.70
February	10.00	9.85	9.67	9.48	9.26	9.02
March	11.81	11.79	11.77	11.75	11.73	11.70
April	13.69	13.82	13.96	14.11	14.28	14.47
May	15.33	15.60	15.89	16.21	16.60	17.03
June	16.22	16.57	16.96	17.41	17.94	18.59
July	15.83	16.13	16.48	16.88	17.34	17.88
August	14.40	14.59	14.79	15.01	15.26	15.55
September	12.60	12.64	12.69	12.74	12.80	12.86
October	10.73	10.63	10.52	10.40	10.26	10.12
November	9.03	8.80	8.53	8.24	7.90	7.51
December	8.09	7.77	7.40	6.98	6.49	5.93
Year	12.20	12.21	12.23	12.25	12.27	12.30

TABLE I. MONTHLY TOTALS, DAILY MEANS AND PERCENTAGES OF POSSIBLE DURATION.

SCOTLAND, N.

Station County Latitude Longitude Above M.S.L. Years Used	BALTASOUND Shetland 60° 44' N. 0° 48' W. 31ft. + 5ft. 1907-1935			LERWICK OBSERVATORY Shetland 60° 9' N. 1° 8' W. 280ft. + 5ft. 1923-1935			DEERNESS Orkney 58° 56' N. 2° 45' W. 160ft. + 8ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
January	18	.57	9	22	.72	11	30	.96	14
February	38	1.33	15	43	1.50	17	53	1.87	20
March	84	2.71	23	93	3.01	26	96	3.08	26
April	131	4.36	30	127	4.22	29	138	4.59	32
May	167	5.40	31	156	5.04	29	164	5.28	31
June	154	5.14	27	166	5.53	30	158	5.28	29
July	128	4.12	23	137	4.42	25	134	4.33	25
August	123	3.98	25	117	3.77	24	118	3.81	25
September	96	3.20	25	109	3.65	28	101	3.35	24
October	63	2.02	20	71	2.29	23	76	2.45	24
November	27	.89	12	36	1.20	16	39	1.29	17
December	11	.35	6	12	.40	7	20	.63	10
Year	1040	2.84	23	1089	2.98	24	1127	3.08	25
Station County Latitude Longitude Above M.S.L. Years Used	KIRKWALL Orkney 58° 59' N. 2° 57' W. 113ft. + 5ft. 1906-1935			STORNOWAY Hebrides 58° 12' N. 6° 24' W. 79ft. + 12ft. 1906-1935			FORTROSE Ross and Cromarty 57° 35' N. 4° 8' W. 69ft. + 4ft. 1911-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
January	34	1.11	16	27	.88	12	45	1.45	20
February	59	2.10	23	55	1.94	21	69	2.44	26
March	104	3.35	29	109	3.51	30	116	3.75	32
April	143	4.78	33	150	5.00	35	144	4.80	34
May	165	5.33	32	179	5.79	35	170	5.49	33
June	157	5.24	29	167	5.55	31	184	6.14	34
July	135	4.37	25	145	4.68	27	161	5.20	30
August	119	3.84	25	128	4.14	27	135	4.36	29
September	103	3.42	27	110	3.67	29	117	3.89	30
October	79	2.56	25	77	2.47	24	92	2.98	29
November	42	1.40	18	46	1.54	19	56	1.88	24
December	22	.72	12	22	.72	11	36	1.15	17
Year	1162	3.19	26	1215	3.33	27	1325	3.63	30

AVERAGES OF BRIGHT SUNSHINE

TABLE 1. SCOTLAND, N. AND E.

Months	FORT AUGUSTUS Inverness 57° 8'N. 4° 40'W. 68ft. + 100ft. 1906-15:1926-35			INVERNESS Inverness 57° 26'N. 4° 13'W. 242ft. + 4ft. 1906-15:1921-35			ONICH Inverness 56° 43'N. 5° 13'W. 48ft. + 6ft. 1924-1935			NAIRN Nairn 57° 36'N. 3° 52'W. 20ft. + 7ft. 1907-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per Cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
F.	19	·61	88	45	1·44	19	25	·81	118	458	1·45	20
M.	49	1·72	188	72	2·53	27	55	1·96	218	70	2·47	27
M.	100	3·22	288	116	3·74	32	101	3·27	288	115	3·70	32
A.	116	3·87	278	135	4·48	32	123	4·08	298	136	4·53	32
M.	137	4·43	278	157	5·06	31	156	5·04	318	164	5·28	32
J.	140	4·68	268	166	5·54	31	158	5·26	308	170	5·68	32
J.	116	3·75	228	146	4·72	27	116	3·73	228	146	4·71	27
A.	107	3·46	238	130	4·21	28	102	3·28	228	128	4·14	27
S.	101	3·36	268	113	3·78	30	89	2·96	238	114	3·81	30
O.	68	2·20	218	87	2·81	27	59	1·90	188	93	3·00	29
N.	30	·99	128	52	1·74	22	43	1·43	188	56	1·87	23
D.	13	·41	68	34	1·09	16	23	·74	118	37	1·18	17
Y.	996	2·73	228	1253	3·43	28	1050	2·87	248	1274	3·49	29
Months	GORDON CASTLE Moray 57° 37'N. 3° 5'W. 104ft. + 18ft. 1909-1935			BANFF Banff 57° 40'N. 2° 31'W. 130ft. + 4ft. 1915-1935			ABERDEEN Aberdeen 57° 10'N. 2° 6'W. 79ft. + 68ft. 1906-1935			CRAIBSTONE Aberdeen 57° 11'N. 2° 12'W. 300ft. + 54ft. 1925-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
F.	43	1·40	198	43	1·40	198	47	1·50	20	58	1·88	26
M.	71	2·52	278	69	2·45	268	70	2·46	26	77	2·73	29
M.	112	3·63	318	113	3·64	318	109	3·51	30	120	3·87	33
A.	136	4·52	328	136	4·53	328	144	4·81	34	134	4·46	31
M.	171	5·50	338	173	5·59	34	170	5·49	33	163	5·27	32
J.	174	5·79	338	180	5·99	34	181	6·02	34	192	6·39	36
J.	149	4·82	288	153	4·93	29	152	4·91	29	169	5·47	32
A.	132	4·25	288	135	4·36	298	140	4·50	30	154	4·96	33
S.	115	3·82	308	121	4·02	318	126	4·21	33	132	4·39	34
O.	94	3·03	298	96	3·09	308	94	3·04	30	103	3·31	32
N.	54	1·80	238	57	1·90	248	59	1·95	24	68	2·28	28
D.	35	1·15	178	29	·95	148	37	1·21	18	43	1·38	21
Y.	1286	3·52	298	1305	3·57	298	1329	3·64	30	1413	3·87	32

For explanation of S see Introduction p.4

TABLE 1. SCOTLAND E.

Months	ARBROATH Angus 56° 33'N. 2° 35'W. 93ft. + 3ft. 1926-1935			CARNOUSTIE Angus 56° 30'N. 2° 42'W. 39ft. + 36ft. 1912-1935			DUNDEE (Mayfield) Angus 56° 28'N. 2° 56'W. 147ft. + 70ft. 1916-1935			MONTROSE Angus 56° 42'N. 2° 28'W. 16ft. + 25ft. 1917-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr. 58	hr. 1.88	% 25	hr. 44	hr. 1.43	% 19S	hr. 53	hr. 1.72	% 23	hr. 51	hr. 1.65	% 22
F.	82	2.91	31	67	2.39	25S	74	2.62	28	73	2.57	27
M.	125	4.03	34	116	3.74	32	104	3.34	29	112	3.61	31
A.	150	5.01	36	152	5.06	36	139	4.64	33	143	4.75	33
M.	183	5.89	36	178	5.74	35	165	5.32	33	166	5.35	33
J.	207	6.88	39	200	6.68	38	190	6.33	36	196	6.53	37
J.	173	5.58	33	172	5.55	33	165	5.34	31	165	5.34	31
A.	167	5.40	36	151	4.86	32	146	4.70	31	149	4.80	32
S.	137	4.58	36	133	4.45	35	123	4.09	32	134	4.45	35
O.	109	3.52	34	98	3.15	30	97	3.14	30	100	3.23	31
N.	67	2.22	27	59	1.98	24S	66	2.19	27	66	2.21	27
D.	40	1.30	19	37	1.18	17S	44	1.41	21	44	1.43	21
Y.	1498	4.10	33	1407	3.84	31	1366	3.74	30	1399	3.83	31
Months	PERTH Perth 56° 24'N. 3° 27'W. 76ft. + 11ft. 1914-1935.			INCHKEITH Fife 56° 2'N. 3° 8'W. 190ft. + 25ft. 1923-1935			LEUCHARS Fife 56° 23'N. 2° 53'W. 35ft. + 5ft. 1921-1935			ST. ANDREWS Fife 56° 20'N. 2° 47'W. 13ft. + 55ft. 1913-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr. 42	hr. 1.36	% 18	hr. 55	hr. 1.79	% 24	hr. 58	hr. 1.88	% 25	hr. 49	hr. 1.56	% 21
F.	65	2.29	24	68	2.42	26	76	2.70	29	71	2.53	27
M.	108	3.47	30S	119	3.84	33	121	3.90	33	115	3.73	32
A.	146	4.87	35	141	4.68	33	149	4.98	35	148	4.92	35
M.	170	5.50	34	169	5.47	34	177	5.70	35	170	5.49	34
J.	199	6.63	38	212	7.06	41	203	6.78	39	199	6.62	38
J.	171	5.53	33	174	5.60	33	172	5.55	33	173	5.57	33
A.	146	4.71	31	152	4.91	33	155	4.99	33	149	4.81	32
S.	130	4.32	34	135	4.50	35	139	4.62	36	135	4.51	36
O.	90	2.90	28S	102	3.29	32	106	3.43	33	99	3.18	31
N.	56	1.85	23	61	2.05	25	70	2.35	29	64	2.13	26
D.	34	1.09	16	38	1.22	17	44	1.43	21	40	1.28	19
Y.	1357	3.71	30	1426	3.92	32	1470	4.03	33	1412	3.86	32

For explanation of S see Introduction p.4

AVERAGES OF BRIGHT SUNSHINE

TABLE 1. SCOTLAND. E. AND W.

Months	BOGHALL Midlothian 55° 52' N. 3° 12' W. 639ft. + 4ft. 1925-1935			EDINBURGH (Blackford Hill) Midlothian 55° 55' N. 3° 11' W. 441ft. + 5ft.* 1906-1935			NORTH BERWICK East Lothian 56° 18' N. 2° 43' W. 118ft. + 7ft. 1923-1935			MARCHMONT Berwick 55° 44' N. 2° 25' W. 498ft. + 4ft. 1906-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	55	1.79	24	51	1.64	22	45	1.47	20	41	1.31	17S
F.	73	2.60	27	75	2.65	28	67	2.38	25	61	2.15	23S
M.	111	3.57	30	112	3.60	31	123	3.97	34	102	3.30	28S
A.	124	4.12	29	137	4.55	32S	140	4.66	33	136	4.53	32S
M.	157	5.06	31	163	5.26	32S	168	5.42	33	165	5.34	33S
J.	193	6.44	37	193	6.44	37S	202	6.75	39	190	6.33	36S
J.	167	5.38	32	165	5.33	32S	180	5.80	34	164	5.30	32S
A.	143	4.60	31	141	4.55	30S	152	4.90	32	143	4.60	31S
S.	128	4.28	34	132	4.39	35	132	4.39	35	126	4.21	33S
O.	96	3.11	30	99	3.21	31	91	2.93	28	80	2.57	25S
N.	61	2.04	25	63	2.11	26	52	1.72	21	51	1.71	21S
D.	39	1.26	18	42	1.37	20	27	.86	12	34	1.10	16S
Y.	1347	3.69	30	1373	3.76	31	1379	3.78	31	1293	3.54	29S
Months	OBAN Argyll 56° 25' N. 5° 30' W. 229ft. + 6ft. 1906-1935			ROTHESAY Bute 55° 50' N. 5° 4' W. 200ft. + 70ft. 1914-1935			CARDROSS (Kilmahew) Dumbarton 55° 58' N. 4° 38' W. 130ft. + 2ft. 1909-1935			HELENSBURGH Dumbarton 56° 0' N. 4° 45' W. 21ft. + 6ft. 1911-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	33	1.07	14	35	1.13	15	33	1.05	14S	33	1.08	14
F.	62	2.21	23	52	1.85	19	49	1.73	18S	51	1.80	19
M.	113	3.65	31	104	3.35	28	97	3.12	26S	95	3.06	26
A.	150	5.01	36	148	4.94	35	136	4.53	32S	135	4.49	32
M.	181	5.84	36	174	5.61	35	160	5.17	32S	165	5.33	33
J.	182	6.06	35	192	6.39	37	172	5.73	33S	177	5.90	34
J.	149	4.80	28	155	5.01	30	147	4.75	28S	151	4.87	29
A.	126	4.05	27	137	4.40	29	121	3.92	26S	125	4.03	27
S.	115	3.83	30	118	3.94	31	111	3.69	29S	106	3.53	28
O.	81	2.60	25	77	2.47	24	73	2.34	23S	75	2.40	23
N.	53	1.78	22	50	1.67	20	49	1.62	20S	49	1.63	20
D.	29	.92	13	32	1.02	15	28	.89	13S	29	.94	13
Y.	1274	3.48	28	1274	3.48	28	1176	3.21	26S	1191	3.26	27

For explanation of S see Introduction p.4

*5ft. in summer; 30ft. in winter.

TABLE 1. SCOTLAND, W.

Months	STIRLING Stirling 56° 7'N. 3° 56'W. 151ft. + 9ft. 1918-1935			PAISLEY Renfrew 55° 51'N. 4° 26'W. 106ft. + 45ft. 1906-1935			RENFREW (Abbotsinch) Renfrew 55° 52'N. 4° 24'W. 20ft. + 17ft. 1921-1935			THORNTONHALL Lanark 55° 46'N. 4° 15'W. 440ft. + 8ft. 1907-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr. 34	hr. 1.08	% 14S	hr. 32	hr. 1.03	% 14S	hr. 34	hr. 1.11	% 15	hr. 31	hr. .99	% 13
F.	55	1.94	20S	53	1.89	20	50	1.76	19	51	1.82	19
M.	104	3.36	29	98	3.16	27	94	3.04	26	94	3.04	26S
A.	131	4.37	31	139	4.65	33	133	4.44	31	129	4.31	31S
M.	151	4.87	30S	162	5.21	32	162	5.22	32	157	5.06	31S
J.	178	5.93	34S	178	5.93	34	175	5.84	33	169	5.63	32S
J.	146	4.70	28S	155	5.02	30	149	4.79	28	142	4.59	27S
A.	130	4.19	28	137	4.43	30	129	4.16	28	127	4.09	27S
S.	122	4.07	32	119	3.96	31	118	3.93	31	112	3.72	29S
O.	85	2.73	26S	76	2.45	24	78	2.53	24	75	2.41	23
N.	47	1.55	19S	43	1.44	17S	44	1.47	18	45	1.51	18
D.	26	.84	12S	26	.84	12S	27	.88	13	27	.86	12
Y.	1209	3.31	27S	1218	3.34	27	1193	3.27	27	1159	3.17	26
Months	TURNBERRY Ayr 55° 19'N. 4° 50'W. 30ft. + 5 ft. 1910-1935			DUMFRIES Dumfries 55° 4'N. 3° 36'W. 140ft. + 6ft. 1910-1935			ESKDALEMUIR OBSERVATORY Dumfries 55° 19'N. 3° 12'W. 794ft. + 5ft. 1910-1935			RUTHWELL Dumfries 55° 0'N. 3° 26'W. 67ft. + 5ft. 1910-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr. 38	hr. 1.24	% 16	hr. 42	hr. 1.36	% 18	hr. 35	hr. 1.14	% 15	hr. 40	hr. 1.29	% 17S
F.	61	2.16	23	56	1.99	21	54	1.92	20	58	2.07	22S
M.	115	3.72	31	106	3.41	29	99	3.19	27	109	3.51	30S
A.	156	5.21	37	140	4.67	33	128	4.25	30	140	4.68	33S
M.	194	6.27	39	178	5.74	36	161	5.20	32	171	5.50	34S
J.	196	6.53	38	195	6.49	38	175	5.82	34	184	6.12	36S
J.	173	5.58	33	163	5.25	31	147	4.76	28	149	4.81	29S
A.	145	4.68	31	138	4.45	30	121	3.91	26	128	4.13	28S
S.	127	4.25	33	123	4.10	32	111	3.70	29	116	3.88	31S
O.	82	2.66	26	87	2.79	27	83	2.69	26	89	2.87	27S
N.	52	1.73	21	55	1.83	22	55	1.85	22	54	1.81	22S
D.	31	1.00	14	33	1.08	15	32	1.03	14	30	.97	13S
Y.	1370	3.76	31	1316	3.60	29	1201	3.29	27	1268	3.47	28S

For explanation of S see Introduction p.4.

TABLE 1. ISLE OF MAN AND ENGLAND, N.E.

Months	DOUGLAS Isle of Man 54° 10' N. 4° 28' W. 284ft. + 8ft. 1906-1935			BERWICK ON TWEED Northumberland. 55° 46' N. 2° 0' W. 76ft. + 5ft. 1924-1935			COCKLE PARK (Morpeth) Northumberland. 55° 13' N. 1° 41' W. 325ft. + 4ft. 1906-1935			CHOPWELLWOOD Durham 54° 55' N. 1° 47' W. 445ft. + 20ft. 1911-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	hr. 52	1.69	21	hr. 58	1.86	24	hr. 52	1.66	21	hr. 51	1.64	21
F.	68	2.41	25	73	2.57	27	70	2.46	26	66	2.33	24
M.	130	4.18	35	128	4.12	35	114	3.67	31	107	3.45	29
A.	176	5.87	42	145	4.84	34	140	4.67	33	134	4.48	32
M.	203	6.53	41	166	5.25	33	169	5.45	34	163	5.26	33
J.	215	7.16	42	186	6.19	36	181	6.02	35	185	6.15	36
J.	197	6.35	38	175	5.65	34	163	5.25	31	168	5.41	32
A.	172	5.55	37	158	5.11	34	151	4.89	33	147	4.75	32
S.	152	5.08	40	135	4.50	35	134	4.47	35	132	4.39	35
O.	100	3.23	31	109	3.52	34	97	3.14	30	96	3.10	30
N.	66	2.19	26	66	2.21	27	66	2.20	26	63	2.12	25
D.	43	1.38	19	44	1.41	20	44	1.42	20	46	1.47	20
Y.	1574	4.31	35	1443	3.95	32	1381	3.78	31	1358	3.72	30
Months	DURHAM Durham 54° 46' N. 1° 35' W. 336ft. + 25ft. 1906-1935			HOUGHALL Durham 54° 45' N. 1° 35' W. 160ft. + 3ft. 1925-1935			SCARBOROUGH Yorks. N.R. 54° 17' N. 0° 24' W. 118ft. + 10ft. 1906-1935			WHITBY Yorks. N.R. 54° 29' N. 0° 37' W. 125ft. + 117ft. 1906-1921		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	hr. 50	1.62	21	hr. 50	1.61	21	hr. 45	1.45	18	hr. 49	1.59	20
F.	65	2.29	24	60	2.12	22	65	2.32	24	78	2.76	29
M.	106	3.42	29	105	3.38	29	112	3.62	31	120	3.88	33
A.	134	4.47	32	124	4.12	29	149	4.95	35	160	5.32	38
M.	160	5.16	32	151	4.85	30	176	5.68	36	180	5.80	36
J.	175	5.82	34	180	6.00	35	183	6.11	36	179	5.98	35
J.	159	5.14	31	174	5.60	34	170	5.47	33	154	4.98	30
A.	147	4.74	32	154	4.98	34	162	5.24	35	149	4.81	33
S.	126	4.20	33	124	4.15	33	139	4.65	37	149	4.96	39
O.	92	2.98	28	100	3.24	31	100	3.23	31	100	3.23	31
N.	59	1.96	23	52	1.73	21	56	1.88	22	59	1.96	23
D.	42	1.35	19	38	1.23	17	36	1.15	16	36	1.16	16
Y.	1315	3.60	30	1312	3.58	29	1393	3.82	31	1413	3.87	32

TABLE 1. ENGLAND, N. E. AND E.

Months	YORK Yorks. N.R. 53° 57'N. 1° 5'W. 56ft. + 49ft. 1906-1935			BRIDLINGTON Yorks. E.R. 54° 5'N. 0° 13'W. 76ft. + 24ft. 1920-1935			HULL Yorks. E.R. 53° 45'N. 0° 16'W. 8ft. + 36ft. 1926-1935			SPURN HEAD Yorks. E.R. 53° 34'N. 0° 7'E. 29ft. + 102ft. 1921-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	33	1.08	14S	49	1.58	20	37	1.20	15	51	1.66	21
F.	52	1.85	19S	65	2.29	24	50	1.78	18	70	2.47	25
M.	96	3.10	26	119	3.83	32	103	3.32	28	125	4.02	34
A.	130	4.34	31	144	4.81	34	120	4.01	29	147	4.92	35
M.	158	5.09	32	181	5.85	37	154	4.98	31	185	5.95	38
J.	174	5.79	34	179	5.97	35	177	5.89	35	192	6.40	38
J.	163	5.25	32	188	6.05	37	196	6.33	39	199	6.43	39
A.	151	4.87	33	173	5.57	38	181	5.83	39	183	5.89	40
S.	128	4.25	33	139	4.62	36	136	4.53	36	148	4.92	39
O.	89	2.86	27	108	3.49	33	102	3.30	31	112	3.61	34
N.	48	1.59	19S	59	1.95	23	44	1.47	17	63	2.10	24
D.	27	.86	12S	43	1.39	19	27	.89	12	45	1.46	19
Y.	1249	3.42	28	1447	3.96	32	1327	3.64	30	1520	4.16	34
Months	CRANWELL Lincoln 53° 1'N. 0° 30'W. 240ft. + 20ft. 1921-1935			CLEETHORPES Lincoln 53° 33'N. 0° 1'W. 23ft. + 4 ft. 1925-1935			SKEGNESS Lincoln 53° 9'N. 0° 21'E. 15ft. + 47ft. 1906-1935			CROMER Norfolk 52° 56'N. 1° 17'E. 178ft. + 6ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	55	1.77	22	57	1.85	23	56	1.81	22	57	1.84	23
F.	70	2.47	25	64	2.25	23	74	2.62	27	76	2.70	28
M.	121	3.90	33	133	4.29	36	125	4.05	34	132	4.25	36
A.	141	4.71	34	136	4.53	33	160	5.33	38	161	5.36	39
M.	189	6.09	38	168	5.43	34	206	6.64	42	204	6.58	42
J.	201	6.69	40	195	6.49	38	207	6.90	41	196	6.54	39
J.	206	6.64	41	206	6.65	41	199	6.43	39	194	6.26	38
A.	185	5.98	41	188	6.06	41	187	6.02	41	185	5.96	41
S.	143	4.78	38	146	4.86	38	157	5.22	41	155	5.15	41
O.	114	3.66	35	104	3.36	32	114	3.68	35	114	3.68	35
N.	66	2.21	25	55	1.83	21	66	2.20	25	66	2.21	25
D.	47	1.51	20	44	1.43	19	46	1.47	19	45	1.44	19
Y.	1538	4.20	34	1496	4.09	33	1597	4.37	35	1585	4.34	36

For explanation of S see Introduction p.4

TABLE 1. ENGLAND, E.

Months	HUNSTANTON Norfolk 52° 57' N. 0° 29' E. 105ft. + 6ft. 1924-1935			NORWICH Norfolk 52° 37' N. 1° 16' E. 110ft. + 25ft. 1911-1935			SPROWSTON Norfolk 52° 40' N. 1° 20' E. 93ft. + 5ft. 1925-1935			YARMOUTH (Gorleston) Norfolk 52° 35' N. 1° 43' W. 5ft. + 32ft. 1908-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	hr. 60	1.93	24	hr. 51	1.64	20	hr. 56	1.81	22S	hr. 56	1.79	22
F.	67	2.37	24	70	2.47	25	71	2.52	26S	75	2.64	27
M.	145	4.67	40	125	4.03	34	144	4.64	39	128	4.13	35
A.	142	4.73	34	152	5.07	37	140	4.68	34	164	5.46	39
M.	185	5.98	38	215	6.93	44	199	6.42	41	223	7.18	46
J.	204	6.81	41	205	6.83	41	205	6.83	41	209	6.97	42
J.	214	6.90	42	203	6.55	40	215	6.94	43	211	6.79	42
A.	193	6.23	42	186	6.00	41	197	6.36	43	197	6.36	44
S.	148	4.94	39	155	5.18	41	154	5.14	40	158	5.25	41
O.	113	3.66	35	113	3.64	34	114	3.69	35	115	3.69	35
N.	61	2.03	23	63	2.11	24	56	1.88	22S	66	2.20	25
D.	51	1.64	22	42	1.35	18	48	1.54	20S	41	1.34	17
Y.	1583	4.34	36	1580	4.33	35	1599	4.38	36	1643	4.49	36
Months	COPDOCK Suffolk 52° 2' N. 1° 5' E. 164ft. + 6ft. 1914-1935			FELIXSTOWE Suffolk 51° 57' N. 1° 10' E. 15ft. + 15ft. 1906-1935			LOWESTOFT Suffolk 52° 29' N. 1° 45' E. 83ft. + 42ft. 1906-15. 1921-35			CAMBRIDGE (Botanic Gardens) Cambridge 52° 12' N. 0° 8' E. 41ft. + 19ft. 1906-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	hr. 52	1.69	20	hr. 62	1.99	24	hr. 62	2.00	24	hr. 53	1.72	21
F.	70	2.48	25	82	2.91	30	79	2.81	29	69	2.46	25
M.	125	4.05	34	138	4.45	38	142	4.57	39	119	3.85	33
A.	145	4.84	35	175	5.83	42	177	5.89	42	148	4.94	36
M.	212	6.85	44	232	7.48	48	219	7.05	45	198	6.38	41
J.	210	7.00	42	226	7.52	45	209	6.96	42	203	6.76	41
J.	202	6.50	40	223	7.18	45	220	7.08	44	192	6.20	38
A.	183	5.90	40	209	6.75	46	207	6.67	46	185	5.97	41
S.	153	5.10	40	175	5.85	46	170	5.65	45	147	4.90	39
O.	114	3.67	35	125	4.04	38	118	3.80	36	109	3.51	33
N.	65	2.16	25	73	2.44	28	69	2.29	26	61	2.04	23
D.	47	1.53	20	50	1.65	21	47	1.52	20	41	1.32	17
Y.	1578	4.32	35	1770	4.85	40	1719	4.70	38	1525	4.18	34

For explanation of S see Introduction p.4

TABLE 1. ENGLAND, E. AND MIDLAND COUNTIES.

Months	LUTON Bedford 51° 54'N. 0° 25'W. 390ft. + 9ft. 1921-1935			WOBURN Bedford 52° 1'N. 0° 35'W. 291ft. + 7ft. 1906-1935			ROTHAMSTED Hertford 51° 48'N. 0° 22'W. 420ft. + 40ft. 1906-1935			GLACTON Essex 51° 47'N. 1° 9'E. 55ft. + 40ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr. 50	hr. 1.62	% 20	hr. 51	hr. 1.64	% 20	hr. 54	hr. 1.74	% 21	hr. 58	hr. 1.88	% 23
F.	65	2.28	23	67	2.39	24	71	2.51	25	79	2.80	28
M.	128	4.13	35	115	3.72	32	122	3.93	33	134	4.34	37
A.	132	4.40	32	142	4.75	34	150	5.01	36	170	5.66	41
M.	190	6.12	39	187	6.04	39	198	6.40	41	225	7.27	47
J.	205	6.85	42	192	6.40	39	207	6.89	42	221	7.36	45
J.	203	6.56	41	181	5.85	36	195	6.29	39	213	6.88	43
A.	185	5.98	41	177	5.72	39	184	5.93	41	205	6.60	45
S.	148	4.94	39	143	4.76	38	151	5.04	40	171	5.71	45
O.	109	3.53	33	102	3.29	31	107	3.46	33	119	3.83	36
N.	58	1.93	22	62	2.06	23	66	2.21	25	71	2.37	27
D.	42	1.35	17	37	1.20	15	44	1.43	18	46	1.49	19
Y.	1515	4.15	34	1456	3.99	33	1549	4.24	35	1712	4.69	38
Months	SHOEBURYNESSE Essex 51° 33'N. 0° 50'N. 11ft. + 5ft. 1919-1935			SOUTHEND Essex 51° 30'N. 0° 45'E. 90ft. + 7ft. 1906-1935			WALTON-ON-NAZE Essex 50° 51'N. 1° 16'E. 60ft. + 25ft. 1913-17; 1921-35			BRADFORD Yorks. W.R. 53° 49'N. 1° 46'W. 439ft. + 6ft. 1908-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr. 57	hr. 1.83	% 22	hr. 56	hr. 1.81	% 22	hr. 55	hr. 1.76	% 21	hr. 29	hr. .92	% 12
F.	77	2.73	28	79	2.79	28	75	2.66	27	47	1.65	17
M.	140	4.53	38	123	3.96	34	131	4.23	36	88	2.85	24
A.	153	5.10	37	161	5.37	39	163	5.43	40	128	4.26	31
M.	224	7.22	47	221	7.13	46	217	7.00	45	162	5.23	33
J.	226	7.54	46	216	7.21	44	217	7.22	44	183	6.09	36
J.	227	7.31	45	210	6.77	42	219	7.06	44	169	5.46	33
A.	211	6.81	47	204	6.57	45	199	6.41	44	151	4.85	33
S.	163	5.44	43	161	5.36	43	167	5.57	44	120	4.00	31
O.	123	3.98	37	114	3.69	34	115	3.71	35	78	2.51	24
N.	66	2.21	25	65	2.16	24	67	2.24	25	41	1.35	16
D.	49	1.58	20	44	1.42	18	48	1.56	20	19	.62	8
Y.	1716	4.70	38	1654	4.53	37	1673	4.58	38	1215	3.31	27

AVERAGE OF BRIGHT SUNSHINE

TABLE 1. MIDLAND COUNTIES.

Months	GIGGLESWICK Yorks. W.R. 54° 4'N. 2° 18'W. 575ft. + 40ft. 1911-1935			HARROGATE Yorks. W.R. 54° 0'N. 1° 33'W. 478ft. + 13ft. 1906-1935			HUDDERSFIELD Yorks. W.R. 53° 38'N. 1° 45'W. 325ft. + 54ft. 1907-1935			ILKLEY Yorks. W.R. 53° 55'N. 1° 50'W. 313ft. + 11ft. 1923-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	hr. 33	hr. 1.07	% 14	hr. 45	hr. 1.47	% 19	hr. 29	hr. .93	% 12	hr. 33	hr. 1.07	% 13
F.	49	1.75	18	63	2.21	23	44	1.56	16	42	1.49	15
M.	96	3.09	26	106	3.43	29	86	2.76	23	100	3.22	27
A.	127	4.23	30	143	4.75	34	118	3.93	28	122	4.06	29
M.	158	5.10	32	167	5.39	34	149	4.79	30	151	4.85	30
J.	169	5.63	33	185	6.17	36	169	5.64	33	175	5.82	34
J.	146	4.70	28	171	5.52	33	159	5.12	32	171	5.50	33
A.	129	4.15	28	158	5.08	34	142	4.57	31	157	5.07	34
S.	117	3.92	31	135	4.48	35	115	3.82	30	125	4.16	33
O.	80	2.59	25	92	2.97	28	77	2.47	24	84	2.72	26
N.	45	1.50	18	56	1.85	22	37	1.23	14	39	1.28	15
D.	27	.88	12	38	1.23	17	22	.72	10	24	.76	10
Y.	1176	3.21	26	1359	3.72	30	1147	3.14	26	1223	3.34	27
Months	SHEFFIELD Yorks. W.R. 53° 23'N. 1° 29'W. 428ft. + 48ft. 1906-1935			WAKEFIELD Yorks. W.R. 53° 40'N. 1° 30'W. 124ft. + 13ft. 1914-17:1920-35			BUXTON Derby 53° 16'N. 1° 55'W. 1007ft. + 5ft. 1908-1935			NOTTINGHAM Nottingham 52° 56'N. 1° 9'W. 192ft. + 83ft. 1906-20:1925-35		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	hr. 42	hr. 1.35	% 17	hr. 27	hr. .88	% 118	hr. 30	hr. .98	% 128	hr. 36	hr. 1.17	% 14
F.	57	2.00	21	43	1.53	168	48	1.70	17	55	1.94	20
M.	91	2.94	25	83	2.68	238	89	2.89	24	101	3.27	28
A.	127	4.25	31	119	3.98	29	126	4.19	30	129	4.32	31
M.	159	5.13	32	150	4.85	31	169	5.45	34	164	5.30	34
J.	181	6.02	36	175	5.84	35	177	5.91	35	176	5.88	35
J.	170	5.47	33	166	5.35	33	164	5.28	32	164	5.28	32
A.	157	5.07	34	148	4.77	32	146	4.71	32	157	5.08	35
S.	125	4.17	33	117	3.89	318	122	4.08	32	125	4.17	33
O.	87	2.81	27	73	2.35	228	81	2.61	25	86	2.77	26
N.	49	1.65	19	38	1.25	148	43	1.43	17	45	1.51	17
D.	31	1.01	13	23	.74	108	21	.67	98	27	.88	12
Y.	1276	3.49	29	1162	3.18	268	1216	3.33	27	1265	3.47	28

For explanation of S see Introduction p.4

TABLE 1. MIDLAND COUNTIES.

Months	STRELLEY Nottingham 52° 58'N. 1° 15'W. 377ft. + 25ft. 1906-1935			SUTTON BONINGTON Nottingham 53° 45'N. 1° 14'W. 157ft. + 4 ft. 1925-1935			WORKSOP Nottingham 53° 22'N. 1° 5'W. 56ft. + 50ft. 1906-1935			BELVOIR CASTLE Leicester 52° 54'N. 0° 47'W. 259ft. + 4ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	44	1.41	17	46	1.50	19	49	1.57	19	54	1.75	22
F.	66	2.34	24	57	2.00	21	71	2.50	25	71	2.52	26
M.	116	3.75	32	116	3.73	32	122	3.95	33	114	3.67	31
A.	155	5.15	37	121	4.04	29	152	5.06	36	150	5.01	36
M.	191	6.16	39	160	5.15	32	184	5.93	37	191	6.16	39
J.	200	6.67	40	186	6.21	37	188	6.28	37	193	6.43	38
J.	183	5.91	36	187	6.03	37	174	5.60	34	183	5.91	36
A.	175	5.64	38	171	5.52	37	161	5.20	35	178	5.74	39
S.	145	4.85	38	129	4.31	34	137	4.52	36	143	4.76	37
O.	104	3.35	32	99	3.18	30	102	3.30	31	107	3.44	32
N.	60	2.00	23	54	1.79	21	60	2.00	23	66	2.21	25
D.	34	1.10	14	33	1.05	14	37	1.18	16	43	1.39	18
Y.	1473	4.03	33	1359	3.72	30	1437	3.93	32	1493	4.08	33
Months	OUNDLÉ Northampton 52° 29'N. 0° 28'W. 147ft. + 6ft. 1916-1935			BIRMINGHAM (Edgbaston) Warwick 52° 29'N. 1° 56'W. 535ft. + 100ft. 1906-1935			COVENTRY Warwick 52° 23'N. 1° 29'W. 241ft. + 5ft. 1906-1935			LEAMINGTON SPA Warwick 52° 18'N. 1° 30'W. 163ft. + 49ft. 1912-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	49	1.56	19	44	1.42	17	38	1.22	15	42	1.36	17
F.	63	2.22	23	57	2.03	21	57	2.03	21.8	59	2.08	21
M.	114	3.67	31	96	3.10	26	100	3.23	27.8	100	3.22	27
A.	127	4.23	30	127	4.24	30	135	4.49	32	130	4.34	31
M.	181	5.85	37	171	5.52	35	171	5.53	35	180	5.80	37
J.	186	6.19	37	179	5.96	36	185	6.17	37	191	6.37	38
J.	181	5.83	36	171	5.51	34	173	5.59	34	175	5.63	35
A.	169	5.45	37	163	5.24	36	165	5.33	36	163	5.27	36
S.	138	4.59	36	124	4.12	32	129	4.29	34.8	125	4.17	33
O.	108	3.48	33	91	2.94	28	90	2.89	27.8	95	3.05	29
N.	59	1.95	22	46	1.54	18	48	1.60	18	53	1.78	20
D.	42	1.36	18	35	1.14	15	28	.91	12	34	1.10	14
Y.	1417	3.87	32	1304	3.57	29	1319	3.61	30	1347	3.69	30

For explanation of S see Introduction p. 4

AVERAGES OF BRIGHT SUNSHINE

TABLE 1. MIDLAND COUNTIES AND LONDON.

Months	OXFORD Oxford 51° 46'N. 1° 16'W. 208ft. + 100ft. 1906-1935			MURSLEY Buckingham 51° 59'N. 0° 49'W. 490ft. + 5ft. 1921-28:1931-35			MAYFIELD Stafford 53° 0'N. 1° 46'W. 374ft. + 40ft. 1913-1935			MALVERN Worcester 52° 8'N. 2° 18'W. 925ft. + 4ft. 1909-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	56	1.81	22	51	1.65	20	36	1.17	14S	60	1.94	24
F.	71	2.52	26	66	2.35	24	57	2.02	21S	73	2.57	26
M.	116	3.75	32	124	4.01	34	104	3.34	28S	117	3.78	32
A.	148	4.92	36	135	4.52	33	135	4.52	33	153	5.09	37
M.	184	5.94	38	188	6.05	39	175	5.64	36	197	6.37	41
J.	201	6.69	40	199	6.62	40	186	6.20	37	207	6.88	41
J.	189	6.09	38	204	6.58	41	165	5.33	33	194	6.25	39
A.	177	5.71	39	175	5.65	39	155	5.01	34	178	5.75	39
S.	143	4.77	38	137	4.56	36	131	4.38	34S	144	4.80	38
O.	103	3.34	31	103	3.32	31	87	2.79	26S	103	3.33	31
N.	66	2.21	25	60	2.00	23	55	1.82	21	71	2.36	27
D.	47	1.52	19	41	1.33	17	33	1.06	14S	51	1.64	21
Y.	1501	4.11	34	1483	4.06	33	1319	3.61	30	1548	4.24	35
Months	ROSS-ON-WYE Hereford 51° 54'N. 2° 35'W. 223ft. + 35ft. 1915-1935			CHELTENHAM Gloucester 51° 54'N. 2° 3'W. 214ft. + 66ft. 1907-1935			CIRENCESTER (Agric. Coll.) Gloucester 51° 42'N. 2° 0'W. 443ft. + 70ft. 1906-15. 1931-35			BUNHILL ROW London 51° 31'N. 0° 5'W. 80ft. + 80ft. 1906-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	55	1.77	21	52	1.68	20	55	1.77	21	16	.53	6
F.	69	2.44	25	69	2.46	25	79	2.81	28	35	1.24	13
M.	116	3.73	32	117	3.79	32	122	3.95	33	83	2.67	23
A.	142	4.72	34	151	5.02	36	159	5.29	38	123	4.09	30
M.	186	5.99	38	190	6.13	39	184	5.95	38	181	5.84	37
J.	207	6.90	42	198	6.61	40	194	6.47	39	191	6.37	39
J.	192	6.19	38	185	5.95	37	192	6.20	38	181	5.85	36
A.	172	5.55	38	171	5.51	38	182	5.87	40	172	5.56	38
S.	136	4.53	36	141	4.69	37	157	5.25	42	129	4.31	34
O.	99	3.20	30	106	3.41	32	91	2.94	27	77	2.50	23
N.	63	2.11	24	63	2.10	24	62	2.07	23	27	.89	10
D.	48	1.55	20	42	1.34	17	42	1.35	17	11	.34	4
Y.	1485	4.06	33	1485	4.06	33	1519	4.16	34	1226	3.36	28

For explanation of S see Introduction p.4

TABLE 1. LONDON AND ENGLAND, S. E.

Months	ENFIELD London 51° 40'N. 0° 10'W. 148ft. + 45ft. 1912-1935			GREENWICH London 51° 29'N. 0° 0' 149ft. + 50ft. 1906-1935			HAMPSTEAD London 51° 34'N. 0° 11'W. 450ft. + 7ft. 1911-1935			REGENTS PARK London 51° 31'N. 0° 9'W. 129ft. + 27ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	40	1.30	16	38	1.23	15	40	1.29	15	29	.93	11
F.	57	2.04	21	58	2.07	21	58	2.06	21	45	1.60	16
M.	112	3.62	31	105	3.40	29	109	3.51	30	88	2.84	24
A.	145	4.82	35	138	4.60	33	145	4.84	35	126	4.20	30
M.	198	6.37	41	196	6.32	41	202	6.52	42	193	6.22	40
J.	208	6.92	42	203	6.76	41	212	7.06	43S	197	6.58	40
J.	188	6.07	38	196	6.32	39	198	6.37	40S	191	6.15	38
A.	179	5.76	40	188	6.05	42	178	5.75	40	174	5.62	39
S.	145	4.84	38	151	5.03	40	149	4.98	40	127	4.25	34
O.	100	3.22	30	99	3.21	30	102	3.29	31	80	2.59	24
N.	54	1.81	20	48	1.59	18	53	1.77	20	39	1.29	15
D.	36	1.15	15	30	.97	12	35	1.13	14	25	.80	10
Y.	1462	4.00	33	1450	3.97	33	1481	4.06	33	1314	3.59	29
Months	KEW OBSERVATORY Surrey 51° 28'N. 0° 19'W. 18ft. + 44ft. 1906-1935			TOTTENHAM London 51° 36'N. 0° 5'W. 51ft. + 65ft. 1907-1935			WESTMINSTER (St. James Park) London 51° 30'N. 0° 8'W. 27ft. + 82ft. 1906-1935			CROYDON Surrey 51° 21'N. 0° 7'W. 217ft. + 18ft. 1921-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	44	1.41	17	31	.99	12	28	.91	11	48	1.55	19
F.	61	2.16	22	50	1.77	18	47	1.66	17	62	2.20	22
M.	108	3.49	30	100	3.22	27	93	2.98	25	122	3.92	33
A.	146	4.87	35	141	4.70	34	134	4.47	32	133	4.43	32
M.	198	6.40	41	202	6.52	42	191	6.16	40	191	6.16	40
J.	203	6.76	41	205	6.83	41	199	6.62	40	211	7.03	43
J.	194	6.25	39	193	6.24	39	189	6.09	38	220	7.09	44
A.	183	5.91	41	186	6.01	41	180	5.80	40	193	6.21	43
S.	146	4.88	39	145	4.84	38	138	4.61	37	151	5.04	40
O.	96	3.10	29	92	2.95	28	87	2.80	26	104	3.35	31
N.	53	1.77	20	46	1.52	17	36	1.19	13	52	1.73	19
D.	37	1.21	15	22	.71	9S	22	.70	9	38	1.24	16
Y.	1469	4.02	33	1413	3.87	32	1344	3.68	30	1525	4.17	34

For explanation of S see Introduction p.4

AVERAGE OF BRIGHT SUNSHINE

TABLE 1. ENGLAND, S.E.

Months	WISLEY Surrey 51° 17'N. 0° 28'W. 150ft. + 7ft. 1906-1935			BIGGIN HILL Kent 51° 19'N. 0° 2'E. 567ft. + 7ft. 1921-1935			BROADSTAIRS Kent 51° 21'N. 1° 26'E. 140ft. + 60ft. 1906-1935			DEAL Kent 51° 13'N. 1° 24'E. 25ft. + 42ft. 1921-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	hr. 51	1.63	198	hr. 52	1.67	20	hr. 61	1.97	24	hr. 58	1.88	22
F.	66	2.33	248	68	2.40	24	85	3.00	30	77	2.72	27
M.	114	3.68	318	133	4.30	36	135	4.34	37	142	4.58	39
A.	148	4.92	36	142	4.75	34	175	5.85	42	156	5.20	38
M.	199	6.44	42	201	6.49	42	232	7.47	48	222	7.15	46
J.	208	6.93	42	219	7.29	44	222	7.41	45	226	7.53	46
J.	200	6.45	40	227	7.34	46	223	7.21	45	236	7.61	48
A.	185	5.97	41	202	6.51	45	214	6.90	48	213	6.87	47
S.	150	5.01	40	158	5.27	42	174	5.81	46	161	5.36	43
O.	99	3.21	308	112	3.60	34	121	3.91	37	119	3.83	36
N.	57	1.88	218	57	1.91	21	71	2.37	26	66	2.19	25
D.	39	1.34	178	42	1.36	17	49	1.58	20	48	1.55	20
Y.	1516	4.15	34	1613	4.42	36	1762	4.83	40	1724	4.72	39
Months	DOVER Kent 51° 7'N. 1° 19'E. 22ft. + 7ft. 1908-20:24-35			EAST MALLING Kent 51° 17'N. 0° 24'E. 132ft. + 8ft. 1925-1935			FOLKESTONE KENT 51° 5'N. 1° 11'E. 101ft. + 40ft. 1906-1935			LYMPNE Kent 51° 5'N. 1° 1'E. 346ft. + 4ft. 1921-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	hr. 60	1.95	23	hr. 50	1.62	19	hr. 59	1.91	23	hr. 58	1.87	22
F.	84	2.97	30	67	2.38	24	82	2.89	29	84	2.96	30
M.	133	4.29	36	131	4.24	36	134	4.32	37	147	4.74	40
A.	170	5.67	41	133	4.45	32	179	5.95	43	161	5.38	39
M.	232	7.48	48	187	6.04	39	229	7.39	48	225	7.24	47
J.	227	7.58	46	215	7.18	44	228	7.61	46	227	7.55	46
J.	216	6.97	44	219	7.07	44	233	7.51	47	240	7.73	48
A.	213	6.89	47	202	6.51	45	214	6.90	48	213	6.88	47
S.	172	5.73	45	155	5.16	41	173	5.75	46	168	5.61	44
O.	121	3.91	37	104	3.35	31	116	3.74	35	119	3.83	36
N.	74	2.47	28	52	1.73	19	71	2.36	26	69	2.31	26
D.	50	1.62	20	42	1.36	17	51	1.64	21	54	1.75	22
Y.	1752	4.80	39	1557	4.27	35	1769	4.84	40	1765	4.83	39

For explanation of S see Introduction p.4

TABLE 1. ENGLAND, S.E.

Months	MARGATE Kent 51° 24'N. 1° 24'E. 51ft. + 5ft. 1906-1935			RAMSGATE Kent 51° 20'N. 1° 25'E. 80ft. + 45ft. 1906-1935			TUNBRIDGE WELLS Kent 51° 8'N. 0° 16'E. 351ft. + 78ft. 1906-1935			WYE Kent 51° 11'N. 0° 57'E. 160ft. + 6ft. 1925-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	58	1.86	22	59	1.91	23	54	1.74	21	52	1.69	20
F.	84	2.97	30	83	2.93	30	75	2.67	27	76	2.70	27
M.	139	4.49	38	134	4.32	37	125	4.04	34	139	4.50	38
A.	179	5.95	43	175	5.82	42	156	5.21	38	142	4.72	34
M.	236	7.62	49	230	7.41	48	214	6.91	45	200	6.44	42
J.	228	7.60	46	222	7.40	45	213	7.12	43	215	7.17	44
J.	228	7.34	46	224	7.21	45	212	6.84	43	222	7.16	45
A.	217	7.01	48	214	6.89	47	199	6.41	44	199	6.40	44
S.	181	6.03	48	174	5.80	46	163	5.43	43	160	5.34	42
O.	120	3.86	36	121	3.87	36	111	3.59	34	107	3.45	32
N.	67	2.24	25	69	2.29	26	65	2.17	24	56	1.86	21
D.	43	1.37	17	47	1.51	19	43	1.38	17	50	1.60	20
Y.	1780	4.86	40	1752	4.78	39	1630	4.47	37	1618	4.43	36
Months	BEXHILL Sussex 50° 50'N. 0° 28'E. 12ft. + 24ft. 1926-1935			BOGNOR REGIS Sussex 50° 47'N. 0° 41'W. 24ft. + 61ft. 1906-1935			BRIGHTON Sussex 50° 49'N. 0° 8'W. 31ft. + 82ft. 1906-1935			EASTBOURNE Sussex 50° 46'N. 0° 17'E. 35ft. + 100ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	60	1.94	23	67	2.17	26	62	2.00	24	62	2.01	24
F.	85	3.00	30	90	3.19	32	85	3.02	30	87	3.07	31
M.	149	4.80	41	142	4.58	39	139	4.48	38	141	4.55	39
A.	163	5.42	40	180	6.00	44	174	5.79	42	181	6.02	44
M.	208	6.72	44	231	7.44	48	224	7.24	47	239	7.70	50
J.	230	7.67	47	235	7.83	48	225	7.49	46	237	7.92	49
J.	239	7.72	48	226	7.30	46	223	7.20	45	236	7.62	48
A.	225	7.25	50	212	6.85	47	208	6.71	46	223	7.18	49
S.	168	5.60	44	178	5.93	47	175	5.82	46	177	5.90	47
O.	119	3.83	36	123	3.98	37	119	3.85	36	121	3.91	37
N.	61	2.03	23	81	2.69	30	75	2.49	28	76	2.53	28
D.	53	1.70	21	57	1.83	23	52	1.67	21	53	1.72	22
Y.	1760	4.82	39	1822	4.99	41	1761	4.82	39	1833	5.02	41

AVERAGE OF BRIGHT SUNSHINE

TABLE 1. ENGLAND, S.E.

Months	EMSWORTH (Watergate) Sussex 50° 42'N. 0° 55'W. 30ft. + 5ft. 1906-1935			HASTINGS Sussex 50° 51'N. 0° 33'E. 178ft. + 40ft. 1906-1935			LITTLEHAMPTON Sussex 50° 48'N. 0° 32'W. 15ft. + 26ft. 1916-1935			WORTHING Sussex 50° 49'N. 0° 22'W. 25ft. + 73ft. 1906-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	56	1.81	21	64	2.07	25	66	2.13	25	66	2.14	25
F.	78	2.75	28	87	3.09	31	85	3.02	30	89	3.13	31
M.	133	4.31	37	139	4.47	38	147	4.73	40	144	4.65	39
A.	166	5.55	40	175	5.83	43	166	5.52	40	181	6.04	44
M.	215	6.92	45	233	7.53	49	224	7.23	47	231	7.45	48
J.	221	7.36	45	227	7.57	46	236	7.85	48	236	7.87	48
J.	214	6.90	43	227	7.31	46	230	7.41	47	233	7.53	47
A.	193	6.21	43	215	6.95	48	209	6.75	47	216	6.96	48
S.	162	5.39	43	176	5.88	47	171	5.69	45	180	5.99	48
O.	107	3.46	32	123	3.96	37	124	4.01	37	123	3.98	37
N.	65	2.17	24	76	2.52	28	75	2.50	28	80	2.66	30
D.	46	1.49	19	55	1.78	22	58	1.86	23	55	1.78	22
Y.	1656	4.53	37	1797	4.92	40	1791	4.90	40	1834	5.02	41
Months	ASCOT Berkshire 51° 25'N. 0° 41'W. 320ft. + 25ft. 1923-1935			BOURNEMOUTH Hampshire 50° 43'N. 1° 53'W. 139ft. + 35ft. 1906-1935			CALSHOT Hampshire 50° 49'N. 1° 18'W. 8ft. + 21ft. 1921-1935			LONG SUTTON Hampshire 51° 12'N. 0° 55'W. 486ft. + 30ft. 1924-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
J.	56	1.82	22	66	2.13	25	65	2.10	25	55	1.78	21
F.	69	2.46	25	85	3.00	30	82	2.90	29	70	2.49	25
M.	129	4.17	35	137	4.44	38	146	4.72	40	138	4.45	38
A.	137	4.55	33	177	5.89	43	159	5.30	39	140	4.66	34
M.	189	6.08	39	219	7.06	46	214	6.90	45	191	6.18	40
J.	213	7.11	43	231	7.69	47	232	7.74	47	221	7.36	45
J.	222	7.17	45	220	7.10	45	231	7.45	47	222	7.15	45
A.	191	6.17	43	203	6.56	45	200	6.45	44	191	6.17	43
S.	150	4.99	40	163	5.44	43	167	5.58	44	151	5.03	40
O.	104	3.35	31	117	3.76	35	119	3.83	35	103	3.33	31
N.	63	2.11	24	80	2.67	30	73	2.44	27	59	1.98	22
D.	46	1.49	19	60	1.93	24	58	1.86	23	42	1.35	17
Y.	1569	4.30	35	1758	4.82	39	1746	4.78	39	1583	4.33	35

TABLE 1. ENGLAND, S.E.

Months	SOUTHAMPTON Hampshire 50° 55'N. 1° 24'W. 64ft. + 124ft. 1906-1935			SOUTH FARNBOROUGH Hampshire 51° 17'N. 0° 45'W. 237ft. + 39ft. 1914-1935			SOUTHSEA Hampshire 50° 48'N. 1° 6'W. 8ft. + 50ft. 1908-1935			RYDE Isle of Wight 50° 44'N. 1° 10'W. 13ft. + 11ft. 1914-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	54	1.74	21	54	1.75	21	63	2.03	24	58	1.86	22
F.	75	2.67	27	73	2.58	26	84	2.96	30	80	2.83	28
M.	126	4.06	34	123	3.95	33	138	4.45	38	128	4.13	35
A.	163	5.43	40	148	4.93	36	175	5.84	43	165	5.49	40
M.	211	6.79	44	206	6.65	43	232	7.47	48	223	7.20	47
J.	221	7.38	45	218	7.28	44	237	7.64	47	235	7.85	48
J.	212	6.84	43	206	6.65	41	225	7.27	46	228	7.35	46
A.	194	6.27	43	189	6.09	42	209	6.74	46	216	6.97	48
S.	162	5.40	43	155	5.17	41	171	5.70	45	159	5.30	42
O.	108	3.49	33	110	3.55	33	122	3.92	37	117	3.78	35
N.	69	2.29	26	64	2.13	24	78	2.61	29	72	2.40	27
D.	49	1.56	20	45	1.45	18	55	1.77	22	51	1.63	20
Y.	1644	4.50	37	1591	4.35	35	1789	4.90	40	1732	4.74	39
Months	SANDOWN Isle of Wight 50° 39'N. 1° 9'W. 13ft. + 45ft. 1906-1935			TOTLAND BAY Isle of Wight 50° 41'N. 1° 33'W. 140ft. + 45ft. 1906-1935			VENTNOR(Hospital) Isle of Wight 50° 36'N. 1° 13'W. 45ft. + 5ft. 1906-1935			MARLBOROUGH Wilts 51° 25'N. 1° 44'W. 424ft. + 50ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	65	2.10	25	65	2.11	25	66	2.13	25	44	1.42	17
F.	86	3.03	30	85	3.00	30	86	3.04	31	62	2.19	22
M.	143	4.62	39	141	4.54	38	146	4.70	40	107	3.46	29
A.	178	5.93	43	177	5.90	43	181	6.02	44	143	4.78	35
M.	230	7.42	48	224	7.21	47	223	7.19	47	180	5.81	37
J.	243	8.09	50	236	7.85	48	229	7.64	47	188	6.27	38
J.	235	7.59	48	227	7.31	46	223	7.21	45	187	6.04	37
A.	211	6.82	47	206	6.63	46	209	6.74	46	169	5.47	38
S.	173	5.75	46	168	5.61	45	173	5.78	46	143	4.77	38
O.	119	3.84	36	118	3.81	36	119	3.83	36	92	2.98	28
N.	76	2.54	28	79	2.63	29	80	2.67	30	55	1.84	21
D.	55	1.79	22	57	1.80	23	57	1.82	23	37	1.19	15
Y.	1814	4.97	41	1783	4.88	40	1792	4.91	40	1407	3.86	32

AVERAGES OF BRIGHT SUNSHINE

TABLE 1. ENGLAND, S.E. AND N.W.

Months	PORTON Wilts 51° 7'N. 1° 42'W. 363ft. + 4ft. 1923-1935			KESWICK Cumberland 54° 36'N. 3° 9'W. 254ft. + 4ft. 1919-1935			NEWTON RIGG Cumberland 54° 40'N. 2° 49'W. 560ft. + 8ft. 1906-1935			BLACKPOOL Lancashire 53° 49'N. 3° 3'W. 67ft. + 25ft. 1906-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	62	2.00	24	32	1.04	13	40	1.28	16	46	1.48	19
F.	75	2.64	27	53	1.87	19	62	2.20	23	69	2.46	25
M.	137	4.44	38	103	3.33	28	106	3.41	29	122	3.93	33
A.	141	4.69	34	125	4.17	30	141	4.71	34	166	5.54	40
M.	187	6.03	39	173	5.57	35	180	5.80	36	198	6.38	40
J.	217	7.24	44	184	6.14	36	194	6.48	38	209	6.98	41
J.	214	6.89	43	153	4.92	30	171	5.53	33	196	6.33	38
A.	189	6.11	42	132	4.27	29	144	4.65	31	169	5.45	37
S.	152	5.06	40	114	3.80	30	124	4.13	33	139	4.64	37
O.	101	3.27	30	79	2.54	24	89	2.88	27	98	3.15	30
N.	69	2.29	26	45	1.51	18	55	1.82	22	57	1.91	22
D.	52	1.67	21	22	.72	10	31	.99	14	36	1.17	16
Y.	1596	4.37	36	1215	3.33	27	1337	3.66	30	1505	4.12	34

Months	BOLTON Lancashire 53° 35'N. 2° 27'W. 342ft. + 13ft. 1906-1935			BURNLEY Lancashire 53° 48'N. 2° 15'W. 458ft. + 6ft. 1908-1935			DARWEN Lancashire 53° 41'N. 2° 28'W. 724ft. + 14ft. 1908-1935			HUTTON Lancashire 53° 44'N. 2° 40'W. 82ft. + 5ft. 1913-1935		
	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent.
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	21	.66	8S	20	.66	8S	28	.91	11	36	1.15	14
F.	34	1.19	12S	41	1.46	15S	45	1.59	16S	54	1.90	20
M.	71	2.28	19S	83	2.67	23	87	2.80	24S	104	3.36	29
A.	106	3.52	25S	122	4.06	29	123	4.12	30	142	4.74	34
M.	146	4.70	30S	160	5.15	32	163	5.24	33	180	5.81	37
J.	163	5.44	32S	170	5.66	34	169	5.63	33	195	6.52	38
J.	151	4.85	30S	150	4.83	29	150	4.84	30	166	5.36	33
A.	128	4.12	28S	134	4.32	29	134	4.32	29	152	4.89	33
S.	101	3.38	27S	110	3.68	29	111	3.72	29S	127	4.24	33
O.	65	2.08	20S	74	2.40	23S	77	2.49	24S	86	2.76	26
N.	31	1.04	13S	35	1.16	14S	41	1.37	16S	46	1.52	18
D.	15	.48	6S	13	.42	6S	20	.66	9	29	.94	13
Y.	1032	2.82	23S	1112	3.04	25S	1148	3.14	26S	1317	3.61	30

For explanation of S see Introduction p.4

TABLE 1. ENGLAND, N.W.

Months	LANCASTER Lancashire 54° 3'N. 2° 47'W. 311ft. + 11ft. 1906-1935			LEYLAND Lancashire 53° 41'N. 2° 42'W. 125ft. + 50ft. 1911-1935			MANCHESTER (Whitworth Park) Lancashire 53° 28'N. 2° 14'W. 125ft. + 11ft. 1906-1935			MANCHESTER (Oldham Rd.) Lancashire 53° 29'N. 2° 13'W. 191ft. + 5ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	43	1.40	18	38	1.24	16	21	.66	8	12	.39	58
F.	65	2.28	24	55	1.94	20	37	1.31	13	29	1.04	118
M.	112	3.61	31	104	3.35	28	75	2.43	21	75	2.41	208
A.	150	5.01	36	144	4.79	34	111	3.70	27	112	3.74	278
M.	184	5.94	37	179	5.78	37	148	4.77	30	141	4.55	298
J.	193	6.42	38	194	6.47	38	157	5.25	31	155	5.18	318
J.	170	5.49	33	171	5.53	34	143	4.61	28	139	4.47	278
A.	148	4.79	32	152	4.91	33	126	4.06	28	119	3.85	268
S.	130	4.34	34	126	4.21	33	106	3.52	28	102	3.41	278
O.	95	3.07	29	89	2.86	27	65	2.09	20	58	1.88	188
N.	60	2.01	24	51	1.70	20	27	.92	11	18	.63	78
D.	35	1.12	15	31	.99	13	13	.41	5	7	.23	38
Y.	1385	3.79	31	1334	3.65	30	1029	2.82	23	967	2.65	228
Months	MORECAMBE Lancashire 54° 4'N. 2° 52'W. 25ft. + 23ft. 1915-1935			SOUTHPORT Lancashire 53° 39'N. 2° 59'W. 35ft. + 20ft. 1906-1935			STONYHURST Lancashire 53° 51'N. 2° 28'W. 377ft. + 19ft. 1906-1935			HOYLAKES Cheshire 53° 3'N. 3° 12'W. 23ft. + 50ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	46	1.47	19	46	1.49	19	34	1.11	14	54	1.74	21
F.	62	2.18	23	67	2.38	25	54	1.92	20	69	2.44	25
M.	119	3.84	33	121	3.89	33	102	3.29	27	116	3.75	32
A.	160	5.32	38	166	5.53	40	140	4.66	34	163	5.43	39
M.	203	6.55	41	199	6.41	41	173	5.60	35	193	6.21	39
J.	219	7.30	43	213	7.10	42	180	5.99	35	208	6.92	41
J.	189	6.09	37	195	6.31	38	164	5.29	32	191	6.16	38
A.	163	5.26	36	173	5.59	38	147	4.75	32	171	5.53	38
S.	137	4.58	36	139	4.63	37	125	4.16	33	141	4.69	37
O.	101	3.26	31	98	3.15	30	85	2.75	26	97	3.15	30
N.	59	1.98	23	56	1.88	22	49	1.64	19	60	1.98	23
D.	37	1.21	16	37	1.19	16	30	.95	13	41	1.32	18
Y.	1495	4.09	33	1510	4.13	34	1283	3.51	29	1504	4.11	34

For explanation of S see Introduction p.4

AVERAGES OF BRIGHT SUNSHINE

TABLE 1. ENGLAND, N. W. AND WALES.

Months	LIVERPOOL(Bidston) Cheshire 53° 24'N. 3° 4'W. 198ft. + 7ft. 1908-1935			WALLASEY (New Brighton) Cheshire 53° 26'N. 3° 3'W. 35ft. + 9ft. 1925-1935			WEST KIRBY Cheshire 53° 22'N. 3° 11'W. 25ft. + 60ft. 1926-1935			RHYL Flint 53° 19'N. 3° 29'W. 31ft. + 12ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr. 54	1.74	21	hr. 48	1.55	19	hr. 61	1.97	24	hr. 59	1.89	23
F.	66	2.33	24	59	2.08	21	68	2.41	25	76	2.68	28
M.	106	3.43	29	112	3.61	31	125	4.03	34	122	3.94	33
A.	156	5.19	37	149	4.95	36	150	4.99	36	165	5.51	40
M.	193	6.24	40	175	5.64	36	192	6.21	39	203	6.56	42
J.	201	6.71	40	211	7.03	42	217	7.23	43	212	7.06	42
J.	185	5.96	36	183	5.92	36	194	6.25	38	198	6.38	39
A.	162	5.22	36	167	5.40	37	174	5.62	38	173	5.59	38
S.	131	4.37	34	132	4.39	35	142	4.72	37	144	4.81	38
O.	91	2.95	28	87	2.82	27	102	3.29	31	98	3.17	30
N.	61	2.03	24	48	1.59	28	57	1.89	22	63	2.11	24
D.	42	1.35	18	31	.99	13	41	1.31	17	43	1.40	19
Y.	1448	3.96	32	1402	3.84	31	1523	4.17	34	1556	4.26	35
Months	SEALAND Flint 53° 13'N. 3° 0'W. 16ft. + 20ft. 1923-1935			HOLYHEAD Anglesey 53° 19'N. 4° 37'W. 26ft. + 14ft. 1913-1935			COLWYN BAY Denbigh 53° 16'N. 3° 44'W. 118ft. + 17ft. 1909-1935			ABER (Bangor) Carnarvon 53° 13'N. 4° 7'W. 80ft. + 3ft. 1926-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr. 53	1.72	21	hr. 51	1.67	21	hr. 53	1.71	21	hr. 33	1.08	13S
F.	62	2.21	23	75	2.66	27	75	2.66	27	61	2.14	22S
M.	114	3.68	31	125	4.03	34	120	3.88	33	125	4.05	34S
A.	139	4.63	33	174	5.80	42	160	5.34	38	142	4.73	34
M.	166	5.36	34	202	6.53	41	203	6.53	41	183	5.89	37
J.	195	6.48	39	216	7.21	43	207	6.91	41	193	6.44	38
J.	173	5.57	34	191	6.16	38	190	6.12	38	174	5.61	34
A.	159	5.14	35	171	5.53	38	164	5.30	36	159	5.13	35
S.	130	4.33	34	143	4.75	37	137	4.58	36	130	4.32	34
O.	91	2.92	28	97	3.14	30	98	3.17	30	76	2.45	23S
N.	53	1.77	21	64	2.12	25	61	2.04	24	43	1.44	17S
D.	41	1.34	18	41	1.32	18	40	1.29	17	17	.53	7S
Y.	1376	3.77	31	1550	4.25	35	1508	4.13	34	1336	3.66	30S

For explanation of S see Introduction p.4

TABLE 1. WALES.

Months	LLANDUDNO Carnarvon 53° 20'N. 3° 50'W. 13ft. + 11ft. 1906-1935			ABERYSTWYTH Cardigan 52° 25'N. 4° 4'W. 69ft. + 5ft. 1906-1935			ABERYSTWYTH(P.B.S) Cardigan 52° 25'N. 4° 4'W. 452ft. + 10ft. 1925-1935			HAVERFORDWEST Pembroke 51° 48'N. 4° 58'W. 250ft. + 5ft. 1906-1933		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	54	1.73	21	57	1.84	22	61	1.96	24	57	1.83	22
F.	74	2.61	27	76	2.70	28	77	2.72	28	77	2.73	28
M.	121	3.92	33	124	4.00	34	127	4.10	35	134	4.31	37
A.	168	5.59	40	158	5.26	38	146	4.87	35	175	5.83	42
M.	201	6.49	41	185	5.97	38	179	5.79	37	202	6.53	42
J.	210	7.00	42	191	6.38	38	213	7.10	42	230	7.66	46
J.	192	6.18	38	179	5.76	36	167	5.39	33	208	6.70	42
A.	169	5.47	37	159	5.11	35	162	5.23	36	176	5.67	39
S.	141	4.71	37	146	4.88	38	137	4.55	36	151	5.04	40
O.	99	3.19	30	101	3.25	31	91	2.94	28	102	3.29	31
N.	60	2.01	23	68	2.28	26	67	2.24	26	73	2.42	27
D.	39	1.26	17	41	1.33	17	50	1.62	21	52	1.67	21
Y.	1528	4.18	34	1485	4.06	33	1477	4.05	33	1637	4.48	37
Months	ST. ANNS HEAD Pembroke 51° 41'N. 5° 11'W. 142ft. + 5ft. 1906-1935			TENBY Pembroke 51° 40'N. 4° 42'W. 64ft. + 40ft. 1906-1935			RHAYADER Radnor 52° 18'N. 3° 31'W. 757ft. + 4ft. 1917-1934			CARDIFF Glamorgan 51° 28'N. 3° 10'W. 202ft. + 3ft. 1908-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	51	1.66	20	57	1.84	22	45	1.45	18	54	1.75	21
F.	74	2.63	27	78	2.76	28	61	2.16	22	75	2.65	27
M.	129	4.15	35	132	4.25	36	107	3.45	29	119	3.85	33
A.	172	5.72	41	175	5.84	42	131	4.38	32	165	5.50	40
M.	198	6.38	41	200	6.46	42	169	5.45	35	201	6.48	42
J.	217	7.24	44	223	7.44	45	194	6.47	39	223	7.45	45
J.	204	6.59	41	211	6.79	42	169	5.44	34	211	6.79	42
A.	176	5.68	39	183	5.89	41	147	4.73	32	185	5.97	41
S.	142	4.74	38	152	5.06	40	127	4.24	33	147	4.89	39
O.	97	3.15	29	105	3.38	32	98	3.15	30	107	3.45	32
N.	66	2.20	25	71	2.38	27	51	1.69	19	66	2.20	25
D.	45	1.46	19	49	1.58	20	33	1.07	14	49	1.60	20
Y.	1571	4.30	35	1636	4.47	37	1332	3.65	30	1602	4.39	36

TABLE 1. WALES AND ENGLAND, S.W.

Months	SWANSEA Glamorgan 51° 37'N. 3° 55'W. 27ft. + 20ft. 1910-1935			USK Monmouth 51° 42'N. 2° 55'W. 70ft. + 4ft. 1925-1935			BATH Somerset 51° 23'N. 2° 21'W. 67ft. + 13ft. 1906-16: 1920-35			LONG ASHTON Somerset 51° 26'N. 2° 40'W. 162ft. + 31ft. 1921-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	49	1.59	19	49	1.60	19	52	1.68	20	51	1.64	20
F.	70	2.47	25	63	2.24	23	75	2.70	27	72	2.54	26
M.	119	3.85	33	112	3.62	31	122	3.93	31	127	4.10	35
A.	156	5.20	38	130	4.34	31	156	5.19	38	154	5.13	37
M.	189	6.10	39	157	5.06	32	189	6.10	39	191	6.15	40
J.	207	6.91	42	198	6.60	40	205	6.84	41	218	7.26	44
J.	197	6.36	40	185	5.95	37	199	6.42	40	207	6.67	41
A.	171	5.51	38	164	5.29	36	180	5.80	40	182	5.87	40
S.	141	4.71	37	128	4.27	34	150	5.00	40	144	4.80	38
O.	101	3.25	31	87	2.82	26	101	3.24	30	103	3.31	31
N.	60	2.01	23	54	1.81	20	66	2.20	25	61	2.03	23
D.	45	1.45	18	39	1.26	16	45	1.44	18	42	1.36	17
Y.	1505	4.12	34	1366	3.74	31	1540	4.21	34	1552	4.24	35
Months	WESTON-SUPER-MARE Somerset 51° 21'N. 2° 59'W. 28ft. + 60ft. 1906-1935			HOLTON HEATH Dorset 50° 43'N. 2° 5'W. 64ft. + 4ft. 1920-1935			WEYMOUTH Dorset 50° 36'N. 2° 27'W. 79ft. + 10ft. 1906-1935			CULLOMPTON Devon 50° 51'N. 3° 23'W. 202ft. + 42ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	53	1.70	20	57	1.84	22	64	2.07	24	54	1.75	21
F.	72	2.55	26	78	2.78	28	84	2.97	30	76	2.70	27
M.	116	3.74	32	139	4.47	38	139	4.47	38	125	4.04	34
A.	153	5.11	37	155	5.18	38	180	5.99	44	169	5.65	41
M.	185	5.97	39	206	6.64	43	217	6.99	45	196	6.34	41
J.	202	6.74	41	232	7.73	47	232	7.73	47	218	7.25	44
J.	196	6.33	40	220	7.09	45	225	7.26	46	205	6.60	41
A.	179	5.77	40	196	6.31	44	208	6.72	46	184	5.94	41
S.	145	4.82	38	147	4.92	39	165	5.49	44	151	5.04	40
O.	98	3.17	30	111	3.58	33	115	3.70	35	102	3.29	31
N.	64	2.14	24	68	2.27	25	78	2.60	29	68	2.27	25
D.	43	1.40	18	50	1.61	20	54	1.75	22	47	1.51	19
Y.	1506	4.13	34	1659	4.54	37	1761	4.82	39	1595	4.37	36

TABLE I. ENGLAND, S.W.

Months	EXMOUTH Devon 53° 36' N. 3° 24' W. 195ft. + 12ft. 1914-1935			ILFRACOMBE Devon 51° 12' N. 4° 8' W. 25ft. + 5ft. 1911-1935			NEWTON ABBOTT Devon 50° 33' N. 3° 38' W. 375ft. + 4ft. 1925-1935			PAIGNTON Devon 50° 26' N. 3° 34' W. 12ft. + 42ft. 1910-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
F.	61	1.96	23	47	1.50	18	66	2.13	25	59	1.90	22
M.	76	2.69	27	71	2.52	25	79	2.81	28	76	2.68	27
	121	3.92	33	123	3.98	34	134	4.33	37	130	4.19	35
A.	161	5.35	39	162	5.40	39	158	5.26	38	175	5.82	43
M.	194	6.26	41	198	6.39	41	174	5.61	36	205	6.62	43
J.	225	7.48	46	222	7.40	45	217	7.25	45	232	7.72	47
J.	207	6.69	42	206	6.65	42	207	6.67	42	220	7.10	45
A.	185	5.96	41	177	5.72	39	190	6.13	42	200	6.44	45
S.	138	4.61	37	143	4.77	38	153	5.09	40	154	5.12	41
O.	106	3.43	32	96	3.11	29	112	3.62	34	113	3.64	34
N.	74	2.46	27	58	1.94	22	73	2.42	27	74	2.45	27
D.	57	1.83	23	39	1.25	16	55	1.76	22	54	1.74	22
Y.	1605	4.39	36	1542	4.22	35	1618	4.43	36	1692	4.63	38
Months	PLYMOUTH HOE Devon 50° 22' N. 4° 8' W. 117ft. + 11ft. 1906-1935			PLYMOUTH Mount Batten Devon 50° 22' N. 4° 8' W. 82ft. + 6ft. 1921-1935			TEIGNMOUTH Devon 50° 32' N. 3° 29' W. 20ft. + 42ft. 1906-1935			TORQUAY Devon 50° 28' N. 3° 31' W. 228ft. + 22ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
F.	59	1.89	22	59	1.89	22	63	2.02	24	64	2.07	24
M.	82	2.91	29	84	2.99	30	80	2.83	28	83	2.95	30
	136	4.38	37	139	4.49	38	135	4.35	37	139	4.47	38
A.	176	5.87	43	167	5.57	41	176	5.86	43	181	6.04	44
M.	202	6.53	42	195	6.31	41	204	6.59	43	214	6.91	45
J.	223	7.43	46	231	7.71	47	225	7.50	46	236	7.90	48
J.	210	6.78	43	210	6.77	43	219	7.08	45	227	7.32	46
A.	190	6.14	43	182	5.88	41	198	6.37	44	207	6.66	46
S.	158	5.26	42	152	5.11	41	159	5.30	42	164	5.47	44
O.	113	3.66	34	113	3.64	34	112	3.60	34	116	3.74	35
N.	75	2.51	28	75	2.48	28	75	2.50	28	77	2.57	29
D.	53	1.69	21	53	1.71	21	57	1.85	23	59	1.91	24
Y.	1677	4.59	38	1661	4.55	37	1703	4.66	38	1767	4.84	40

TABLE I. ENGLAND, S.W. AND IRELAND .

Months	BUDE Cornwall 50° 50' N. 4° 33' W. 50ft. + 4ft. 1914-1935			FALMOUTH Observatory Cornwall 50° 9' N. 5° 5' W. 167ft. + 34ft. 1906-1935			FOWEY Cornwall 50° 21' N. 4° 38' W. 51ft. + 7ft. 1911-1935			GULVAL Cornwall 50° 8' N. 5° 32' W. 20ft. + 14ft. 1925-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	60	1.92	23	60	1.93	23	59	1.90	22	60	1.94	23
F.	81	2.88	29	80	2.82	28	66	2.34	23	86	3.05	31
M.	138	4.45	38	136	4.39	37	131	4.24	36	139	4.48	38
A.	177	5.90	43	187	6.23	46	175	5.83	43	174	5.79	42
M.	198	6.38	41	207	6.67	44	195	6.27	41	195	6.29	41
J.	226	7.54	46	227	7.56	47	226	7.53	46	246	8.19	51
J.	196	6.33	40	217	7.00	44	209	6.74	42	210	6.79	43
A.	180	5.81	40	196	6.31	44	184	5.95	41	197	6.35	44
S.	150	5.00	40	158	5.26	42	154	5.13	41	158	5.26	42
O.	109	3.53	33	113	3.65	34	114	3.69	34	117	3.76	35
N.	74	2.47	28	76	2.54	28	76	2.52	28	74	2.47	27
D.	55	1.76	22	53	1.76	22	57	1.84	23	52	1.67	21
Y.	1644	4.50	37	1710	4.68	38	1646	4.51	37	1708	4.67	38
Months	NEWQUAY Cornwall 50° 25' N. 5° 4' W. 190ft. + 15ft. 1906-1935			PENZANCE Cornwall 50° 7' N. 5° 32' W. 55ft. + 5ft. 1906-1935			MARKREE CASTLE Sligo 54° 11' N. 8° 27' W. 122ft. + 16ft. 1906-1935			MALLARANNY Mayo 53° 55' N. 9° 47' W. 113ft. + 4ft. 1916-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent.	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
J.	59	1.91	22	60	1.95	23	42	1.35	17	39	1.25	16
F.	81	2.88	29	82	2.89	29	62	2.19	23	63	2.21	23
M.	138	4.45	38	135	4.36	37	105	3.39	29	111	3.56	30
A.	179	5.96	44	184	6.13	45	147	4.92	35	147	4.92	35
M.	205	6.63	43	201	6.49	42	171	5.52	35	176	5.67	36
J.	223	7.42	46	219	7.29	45	160	5.34	31	161	5.38	32
J.	206	6.65	42	211	6.80	43	143	4.60	28	147	4.75	29
A.	191	6.16	43	197	6.34	44	125	4.02	27	128	4.12	28
S.	154	5.14	41	156	5.20	41	111	3.72	29	118	3.94	31
O.	114	3.68	34	118	3.82	36	82	2.64	25	80	2.58	25
N.	75	2.50	28	75	2.51	28	56	1.87	22	54	1.80	21
D.	52	1.67	21	55	1.76	22	35	1.12	15	34	1.10	15
Y.	1677	4.60	38	1693	4.64	38	1239	3.38	28	1258	3.44	28

For explanation of S see Introduction p.4

TABLE I. IRELAND, AND ENGLISH CHANNEL

Months	MALIN HEAD Donegal 55° 23' N. 7° 24' W. 83ft. + 10ft. 1915-1935			ARMAGH Armagh 54° 21' N. 6° 39' W. 204ft. + 50ft. 1906-1935			DUBLIN (Phoenix Park) Dublin 53° 22' N. 6° 21' W. 155ft. + 40ft. 1906-1935			BURR CASTLE Offaly 53° 6' N. 7° 56' W. 173ft. + 48ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	35	1.13	15S	46	1.47	19	57	1.83	23	49	1.58	20
F.	64	2.26	24	65	2.28	24	75	2.65	27	66	2.34	24
M.	117	3.77	32	108	3.48	30	115	3.69	31	111	3.59	30
A.	165	5.50	39	150	5.01	36	159	5.30	38	152	5.05	36
M.	197	6.34	39	166	5.35	34	180	5.81	37	169	5.46	35
J.	173	5.75	33	167	5.58	33	182	6.07	36	160	5.34	32
J.	152	4.92	29	145	4.68	28	170	5.49	33	149	4.82	30
A.	133	4.30	29	134	4.32	29	154	4.95	34	137	4.41	30
S.	121	4.04	32	118	3.92	31	130	4.34	34	119	3.98	31
O.	79	2.53	24	87	2.80	27	98	3.15	30	90	2.92	28
N.	53	1.78	21S	64	2.14	25	71	2.35	27	61	2.02	23
D.	33	1.05	15S	39	1.26	17	46	1.47	20	43	1.40	18
Y.	1322	3.62	30	1289	3.53	29	1437	3.93	32	1306	3.58	29
Months	SESKIN (Carrick-on-Suir) Waterford 52° 21' N. 7° 24' W. 535ft. + 4ft. 1914-1935			VALENTIA OBSERVATORY Kerry 51° 56' N. 10° 15' W. 30ft. + 42ft. 1906-1935			BALLINACURRA Cork 51° 52' N. 8° 10' W. 24ft. + 4ft. 1906-1935			SCILLY Cornwall 49° 56' N. 6° 18' W. 163ft. + 6ft. 1906-1935		
	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent	Total	Daily Mean	Per cent
	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%	hr.	hr.	%
J.	55	1.78	22	44	1.42	17S	48	1.56	19	61	1.97	23
F.	70	2.49	25	66	2.34	24S	69	2.43	25	81	2.86	29
M.	117	3.78	32	116	3.75	32S	119	3.83	32	138	4.45	38
A.	160	5.32	39	161	5.38	39	161	5.38	39	188	6.28	46
M.	183	5.90	38	184	5.93	38	180	5.82	37	206	6.64	43
J.	194	6.47	39	173	5.76	35	188	6.26	38	221	7.37	46
J.	177	5.70	35	157	5.07	32	182	5.87	36	211	6.81	43
A.	151	4.86	33	148	4.78	33	158	5.11	35	197	6.35	44
S.	134	4.47	35	127	4.23	34	136	4.54	36	158	5.28	42
O.	95	3.07	29	90	2.89	27S	96	3.10	29	118	3.79	35
N.	71	2.36	27	63	2.11	24S	65	2.15	24	76	2.52	28
D.	46	1.49	19	39	1.26	16S	42	1.37	18	53	1.72	21
Y.	1453	3.98	33	1368	3.75	31S	1444	3.96	32	1708	4.68	38

For explanation of S see Introduction p.4.

AVERAGES OF BRIGHT SUNSHINE

TABLE I. CHANNEL ISLANDS AND MALTA

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AVERAGES OF BRIGHT SUNSHINE

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TABLE II. AVERAGE AND PERCENTAGE NUMBER OF DAYS WITH BRIGHT SUNSHINE BETWEEN STATED LIMITS.

STATION	JANUARY						FEBRUARY						MARCH					
	0-1	3-1	6-1				0-1	3-1	6-1				0-1	3-1	6-1			
	Nil	3-0	6-0	9-0	9-0	Over	Nil	3-0	6-0	9-0	9-0	Over	Nil	3-0	6-0	9-0	9-0	Over
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
DEERNESSE* (1913-1932)	14.5 47	13.3 43	3.1 10	0.1 0	0 0		9.8 34	11.2 40	5.5 20	1.8 6	0 0		7.1 23	12.1 39	6.5 21	4.6 15	0.7 2	
ABERDEEN (1913-1932)	12.4 40	11.9 39	6.0 19	0.7 2	0 0		8.7 31	10.6 37	5.6 20	3.4 12	0 0		5.9 19	10.9 35	6.9 22	5.6 18	1.7 6	
COCKLE PARK (1913-1932)	13.2 43	10.2 33	6.3 20	1.3 4	0 0		9.8 35	9.4 33	5.8 21	3.3 11	0 0		6.5 21	9.6 31	7.0 23	5.7 18	2.2 7	
CAMBRIDGE (1913-1932)	13.4 43	10.1 33	6.5 21	1.0 3	0 0		9.6 34	9.4 33	5.5 20	3.7 13	0.1 0		6.3 21	8.8 28	7.2 23	6.7 22	2.0 6	
KESW (1913-1932)	14.3 46	10.1 33	5.6 18	1.0 3	0 0		8.9 32	11.3 40	5.7 20	2.3 8	0.1 0		6.1 20	10.2 33	7.5 24	5.9 19	1.3 4	
SOUTHAMPTON (1913-1932)	12.3 40	11.4 37	5.9 19	1.4 4	0 0		8.0 28	10.0 35	5.1 18	5.0 18	0.2 1		4.5 15	9.5 31	7.4 24	7.2 23	2.4 7	
RENFREW (1921-1932)	15.7 51	11.1 36	3.8 12	0.4 1	0 0		11.1 39	11.0 39	4.6 16	1.6 6	0 0		6.5 21	11.0 36	7.5 24	5.0 16	1.0 3	
ESKDALEMUIR (1913-1932)	15.7 51	10.8 35	3.5 11	1.0 3	0 0		10.9 39	10.1 36	4.5 16	2.7 9	0.1 0		6.9 22	10.5 34	6.5 21	5.1 17	2.0 6	
DOUGLAS (1913-1932)	13.0 42	10.1 32	6.1 20	1.8 6	0 0		9.1 32	9.5 34	5.5 19	4.1 14	0.1 1		5.5 18	7.9 26	7.5 24	7.2 23	2.9 9	
SOUTHPORT (1921-1932)	13.7 44	10.9 35	5.3 17	1.1 4	0 0		9.2 32	10.1 36	5.5 20	3.4 12	0.1 0		5.3 17	8.3 27	8.3 27	6.8 22	2.3 7	
STONYHURST (1913-1932)	15.1 49	11.5 37	4.0 13	0.4 1	0 0		10.5 37	10.3 37	5.3 19	2.1 7	0.1 0		6.4 21	10.5 34	7.1 23	5.8 18	1.2 4	
HOLYHEAD (1921-1932)	12.1 39	11.2 36	5.9 19	1.8 6	0 0		7.7 27	8.8 31	6.5 23	4.8 17	0.5 2		4.4 14	8.7 28	7.9 25	6.7 22	3.3 11	
FALMOUTH (1913-1932)	10.7 34	11.7 38	6.6 21	2.0 7	0 0		7.1 25	10.2 36	6.2 22	4.6 16	0.2 1		4.3 14	8.6 28	7.2 23	7.5 24	3.4 11	
MARKREE CASTLE (1913-1932)	13.1 42	12.6 41	4.8 15	0.5 2	0 0		9.1 33	10.2 36	6.2 22	2.7 9	0 0		5.9 19	10.3 33	7.8 25	5.6 18	1.4 5	
ARMAGH (1913-1932)	12.7 42	11.9 38	5.3 17	1.1 3	0 0		8.0 28	10.9 38	6.2 22	3.0 11	0.1 1		5.8 19	9.8 32	8.1 26	5.3 17	2.0 6	
DUBLIN (PHOENIX PARK) (1913-1932)	11.1 36	12.0 39	6.3 20	1.8 5	0 0		8.3 29	9.8 35	5.9 21	4.1 14	0.2 1		5.5 18	9.5 31	8.1 26	5.9 19	2.0 6	
BIRR CASTLE (1921-1932)	12.1 39	11.6 37	6.4 21	0.9 3	0 0		9.3 33	9.2 33	7.4 26	2.3 8	0.1 0		5.0 16	9.7 31	8.1 26	6.5 21	1.7 6	
VALENTIA (1913-1932)	11.8 38	13.3 43	5.0 16	0.9 3	0 0		8.3 29	10.9 38	5.6 20	3.3 12	0.1 1		5.4 17	9.3 30	7.7 25	5.5 18	3.1 10	

*Kirkwall data for 1931 and 1932.
Percentages are shown by italic figures.

AVERAGES OF BRIGHT SUNSHINE

TABLE II. AVERAGE AND PERCENTAGE NUMBER OF DAYS WITH BRIGHT SUNSHINE BETWEEN STATED LIMITS.

STATION	APRIL					MAY					JUNE				
	0.1 Nil	3.1 3.0	6.1 6.0	to 9.0	Over 9.0	0.1 Nil	3.1 3.0	6.1 6.0	to 9.0	Over 9.0	0.1 Nil	3.1 3.0	6.1 6.0	to 9.0	Over 9.0
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
DEERNES*	3.4 11	8.7 29	7.5 25	5.9 20	4.5 15	3.3 11	9.1 29	6.1 20	6.2 20	6.3 20	3.9 13	8.6 28	4.9 17	5.1 17	7.5 25
ABERDEEN	3.6 12	7.8 26	8.3 27	6.1 21	4.2 14	3.5 11	7.2 23	7.1 23	6.7 22	6.5 21	2.3 7	7.3 24	6.2 21	5.6 19	8.6 29
COCKLE PARK	4.7 16	7.6 25	6.3 21	6.4 21	5.0 17	3.5 11	7.3 24	6.3 20	6.4 21	7.5 24	2.0 7	6.4 21	6.5 22	6.7 22	8.4 28
CAMBRIDGE	3.7 12	9.2 31	6.8 23	5.4 18	4.9 16	2.7 9	6.9 22	4.9 16	6.1 19	10.4 34	1.7 5	6.5 22	5.9 20	5.4 18	10.5 35
KEW	3.4 11	9.3 31	6.9 23	6.2 21	4.2 14	2.0 7	6.9 22	5.9 19	6.1 20	10.1 32	1.3 5	6.1 20	6.1 20	6.7 22	9.8 33
SOUTHAMPTON	2.9 10	8.0 27	6.5 21	6.9 23	5.7 19	1.9 6	6.6 21	5.5 18	5.6 18	11.4 37	1.5 5	5.1 17	5.1 17	5.5 18	12.8 43
REMPREW	3.6 12	9.5 32	6.1 20	6.0 20	4.8 16	3.5 12	7.3 23	7.8 25	6.4 21	6.0 19	3.1 11	7.3 24	5.4 18	6.3 21	7.9 26
ESKDALEMUIR	3.7 12	8.8 29	7.7 26	5.9 20	3.9 13	3.7 12	8.7 28	6.5 21	5.8 19	6.3 20	2.5 8	7.9 26	5.9 20	5.4 18	8.3 28
DOUGLAS	3.1 10	7.3 24	5.0 17	5.9 20	8.7 29	3.2 10	6.3 20	5.9 19	4.9 16	10.7 35	2.4 8	5.4 18	5.6 19	5.3 18	11.3 37
SOUTHPORT	2.6 9	7.6 25	6.6 22	6.4 21	6.8 23	1.5 5	7.8 25	5.9 19	6.1 20	9.7 31	1.4 5	6.4 21	5.3 18	5.1 17	11.8 39
STONYHURST	3.1 10	9.5 32	6.8 22	6.3 21	4.3 15	2.9 9	8.7 28	6.5 21	4.8 16	8.1 26	1.6 5	8.3 28	5.9 19	5.3 18	8.9 30
HOLYHEAD	2.6 9	6.1 20	6.3 21	7.1 24	7.9 26	2.0 7	6.3 20	5.5 18	6.0 19	11.2 36	1.9 6	6.3 21	4.5 15	4.7 16	12.6 42
FALMOUTH	2.7 9	6.3 21	5.8 19	6.0 20	9.2 31	3.0 10	5.9 19	6.0 19	5.7 18	10.4 34	1.9 6	5.1 17	3.7 12	5.9 20	13.4 45
MARKREE CASTLE	3.0 10	8.5 29	5.8 19	7.8 26	4.9 16	3.1 10	7.4 24	7.4 24	6.0 19	7.1 23	3.1 10	9.1 30	6.2 21	4.7 16	6.9 23
ARMAGH	3.0 10	8.3 28	6.3 21	6.6 22	5.8 19	3.2 10	7.9 25	6.8 22	6.7 22	6.4 21	2.7 9	8.4 28	5.9 20	4.9 16	8.1 27
DUBLIN (PHOENIX PARK)	2.5 9	8.1 27	6.5 22	6.4 21	6.5 21	2.7 9	7.9 25	6.5 21	6.1 20	7.8 25	1.9 6	7.3 25	5.7 19	5.8 19	9.3 31
BIRR CASTLE	3.5 11	6.5 22	6.9 23	8.0 27	5.1 17	3.1 10	7.2 23	7.5 25	6.3 20	6.9 22	3.0 10	7.8 26	6.4 22	5.8 19	7.0 23
VALENTIA	2.9 10	7.4 24	6.4 21	6.8 23	6.5 22	3.3 11	7.1 23	5.8 19	6.1 19	8.7 28	3.3 11	8.7 29	4.7 15	4.7 16	8.6 29

*Kirkwall data for 1931 and 1932.

Percentages are shown by italic figures.

TABLE II. AVERAGE AND PERCENTAGE NUMBER OF DAYS WITH BRIGHT SUNSHINE BETWEEN STATED LIMITS.

STATION	JULY					AUGUST					SEPTEMBER				
	0.1 Nil	3.1 to 3.0	6.1 to 6.0	Over 9.0	hrs.	0.1 Nil	3.1 to 3.0	6.1 to 6.0	Over 9.0	hrs.	0.1 Nil	3.1 to 3.0	6.1 to 6.0	Over 9.0	hrs.
DEERNES*	4.8 16	10.1 32	7.0 23	4.3 14	4.8 15	3.9 13	11.4 37	7.7 25	4.5 14	3.5 11	4.9 16	12.4 41	6.5 22	4.5 15	1.7 6
ABERDEEN	2.9 9	9.7 31	7.9 26	5.7 18	4.8 16	3.5 11	10.2 33	7.3 24	6.3 20	3.7 12	4.0 14	9.3 31	7.3 24	6.3 21	3.1 10
COCKLE PARK	3.5 11	7.9 25	8.2 27	5.9 19	5.5 18	2.9 10	8.8 28	8.4 27	6.0 19	4.9 16	3.9 13	8.4 23	6.9 23	7.9 26	2.9 10
CAMBRIDGE	2.3 7	7.5 24	7.1 23	6.4 21	7.7 25	1.6 5	7.3 24	7.6 24	6.7 22	7.8 25	3.7 12	7.5 25	6.6 22	8.0 27	4.2 14
KEW	1.7 5	8.7 28	6.3 20	6.7 22	7.6 25	1.3 4	7.9 26	7.9 25	7.1 23	6.8 22	2.9 10	8.6 28	6.7 22	7.5 25	4.3 15
SOUTHAMPTON	1.9 6	7.3 24	5.3 17	6.5 21	10.0 32	1.5 5	7.5 24	5.8 19	7.7 25	8.5 27	2.7 9	7.7 25	5.9 20	7.4 25	6.3 21
RENFREW	3.7 12	9.7 31	7.1 23	6.8 22	3.7 12	2.8 9	11.7 38	7.2 23	6.2 20	3.1 10	5.1 17	8.4 28	7.3 25	7.3 24	1.9 6
ESKDALEMUIR	2.9 10	11.2 36	7.1 23	5.4 17	4.4 14	3.4 11	11.9 39	7.3 23	5.5 18	2.9 9	5.5 18	9.9 33	7.3 24	5.0 17	2.3 8
DOUGLAS	2.7 9	8.0 26	5.4 17	5.8 19	9.1 29	2.5 8	8.9 29	6.4 21	6.0 19	7.2 23	3.9 13	8.4 28	5.7 19	6.8 23	5.2 17
SOUTHPORT	1.7 6	8.6 28	6.6 21	6.0 19	8.1 26	2.1 7	8.9 29	7.2 23	5.5 17	7.3 24	3.9 13	8.1 27	7.3 24	6.8 23	3.9 13
STONYHURST	2.7 9	10.0 32	7.1 23	5.7 18	5.5 19	3.3 10	9.3 30	8.3 27	5.6 18	4.5 15	4.5 15	9.4 31	6.9 23	6.2 20	3.0 10
HOLYHEAD	2.7 9	7.6 24	6.1 20	6.0 19	8.6 28	2.6 8	9.5 30	6.4 21	5.2 17	7.3 24	3.7 12	8.7 29	6.3 21	7.2 24	4.1 14
FALMOUTH	2.1 6	6.5 21	5.1 17	6.5 21	10.8 35	1.9 6	7.3 24	5.6 18	7.3 23	8.9 29	3.7 12	7.5 25	5.8 19	6.8 23	6.2 21
MARKREE CASTLE	4.0 13	11.1 36	6.9 22	4.3 14	4.7 15	3.9 13	10.9 35	7.5 24	5.6 18	3.1 10	5.1 17	9.7 33	7.6 25	5.9 20	1.7 5
ARMAGH	3.3 11	11.3 36	7.5 24	4.9 16	4.0 13	4.1 13	9.3 30	7.7 25	6.4 21	3.5 11	4.5 15	10.0 33	6.4 22	6.0 20	3.1 10
DUBLIN (PHOENIX PARK)	2.0 7	9.4 30	7.3 24	6.3 20	6.0 19	2.7 9	8.3 27	7.9 25	6.8 22	5.3 17	4.1 14	8.8 29	6.9 23	6.5 21	3.7 13
BIRR CASTLE	3.5 11	10.9 35	7.5 24	4.9 16	4.2 14	3.2 11	10.3 33	7.5 24	6.0 19	4.0 13	4.5 15	10.0 34	5.4 18	7.5 24	2.6 9
VALENTIA	3.7 12	10.7 35	5.5 18	4.8 15	6.3 20	4.1 13	9.0 29	6.3 20	5.5 18	6.1 20	5.3 18	9.4 31	5.9 20	5.9 19	3.5 12

*Kirkwall data for 1931 and 1932.
Percentages are shown by italic figures.

AVERAGES OF BRIGHT SUNSHINE

TABLE II. AVERAGE AND PERCENTAGE NUMBER OF DAYS WITH BRIGHT SUNSHINE BETWEEN STATED LIMITS.

STATION	OCTOBER					NOVEMBER					DECEMBER				
	0.1 Nil	3.1 3.0	6.1 6.0	to 9.0	Over 9.0	0.1 Nil	3.1 3.0	6.1 6.0	to 9.0	Over 9.0	0.1 Nil	3.1 3.0	6.1 6.0	to 9.0	Over 9.0
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
DEERNES*	6.5 21	13.2 43	8.1 26	2.9 9	0.3 1	11.1 37	14.1 47	4.1 14	0.7 2	0 0	17.8 57	11.7 38	1.5 5	0 0	0 0
ABERDEEN	5.9 19	10.3 33	8.7 28	5.6 18	0.5 2	9.4 31	10.9 36	8.2 28	1.5 5	0 0	11.9 39	13.8 44	5.3 17	0 0	0 0
COCKLE PARK	6.4 20	10.6 34	7.0 23	6.2 20	0.8 3	9.3 31	10.5 35	6.7 23	3.5 11	0 0	12.3 40	11.8 38	6.6 21	0.3 1	0 0
CAMBRIDGE	5.5 18	9.3 30	8.1 26	7.5 24	0.8 2	10.5 35	9.7 32	7.2 24	2.6 9	0 0	15.1 49	9.4 31	6.1 19	0.4 1	0 0
KEW	5.0 16	11.5 37	8.9 29	5.3 17	0.3 1	11.2 37	10.7 36	6.0 20	2.1 7	0 0	14.7 47	10.5 34	5.5 18	0.3 1	0 0
SOUTHAMPTON	4.7 15	10.0 32	7.7 25	7.6 25	1.0 3	8.5 29	10.7 35	6.9 23	3.9 13	0 0	12.5 40	10.7 35	6.9 22	0.9 3	0 0
RENFREW	6.8 22	12.0 39	7.2 23	4.5 15	0.5 1	12.9 43	10.4 35	5.3 17	1.4 5	0 0	16.6 54	10.5 34	3.7 11	0.2 1	0 0
ESKDALEMUIR	8.6 28	10.7 34	5.5 18	5.4 17	0.8 3	11.5 38	10.1 33	5.6 19	2.8 10	0 0	16.7 54	9.3 30	4.5 14	0.5 2	0 0
DOUGLAS	6.4 21	10.7 35	6.7 21	6.0 19	1.2 4	9.3 31	11.1 37	6.5 22	3.1 10	0 0	13.9 45	10.2 33	6.2 20	0.7 2	0 0
SOUTHPORT	5.0 16	10.7 35	7.7 25	6.7 21	0.9 3	10.0 33	12.2 41	5.5 18	2.3 8	0 0	13.7 44	11.7 38	5.4 17	0.2 1	0 0
STONYHURST	6.4 21	12.3 39	6.8 22	5.3 17	0.2 1	10.9 36	11.9 40	5.7 19	1.5 5	0 0	15.6 50	11.1 36	4.1 13	0.2 1	0 0
HOLYHEAD	5.7 18	10.3 33	7.3 24	6.3 20	1.4 5	9.2 30	11.6 39	5.9 20	3.3 11	0 0	12.9 41	13.3 43	4.5 15	0.3 1	0 0
FALMOUTH	4.5 15	10.3 33	7.6 24	7.1 23	1.5 5	7.5 25	11.5 38	7.0 23	4.0 14	0 0	9.3 30	13.5 43	6.8 22	1.4 5	0 0
MARKREE CASTLE	7.1 23	11.7 37	7.6 25	4.5 14	0.1 1	10.4 35	11.5 39	6.5 21	1.6 5	0 0	13.3 43	13.3 43	4.3 14	0.1 0	0 0
ARMAGH	7.3 24	10.9 35	6.8 22	5.3 17	0.7 2	9.9 33	11.2 37	6.3 21	2.6 9	0 0	13.9 45	11.4 37	5.4 17	0.3 1	0 0
DUBLIN (PHOENIX PARK)	6.3 20	10.3 34	7.8 25	5.9 19	0.7 2	8.7 29	10.5 35	7.5 25	3.3 11	0 0	11.5 37	12.3 40	6.4 21	0.8 2	0 0
BIRR CASTLE	6.2 20	11.7 38	7.5 24	5.1 16	0.5 2	10.6 35	9.8 33	7.5 25	2.1 7	0 0	12.7 41	12.1 39	6.0 19	0.2 1	0 0
VALENTIA	7.0 23	11.1 36	7.1 23	4.9 15	1.0 3	9.4 31	12.1 40	5.6 19	2.9 10	0 0	11.8 38	14.5 47	3.9 13	0.7 2	0 0

*Kirkwall data for 1931 and 1932.
Percentages are shown by italic figures.

TABLE II. AVERAGE AND PERCENTAGE NUMBER OF DAYS WITH BRIGHT SUNSHINE BETWEEN STATED LIMITS.

STATION	YEARS USED	YEAR				
		0.1 Nil	3.1 to 3.0 hrs.	6.1 to 6.0 hrs.	9.1 to 9.0 hrs.	Over 9.0 hrs.
DEERNES*	1913 - 1932	91.1 25	135.7 37	68.6 19	40.5 11	29.4 8
ABERDEEN	1913 - 1932	74.1 20	119.9 33	84.7 23	53.5 15	33.1 9
COCKLE PARK	1913 - 1932	78.1 22	108.4 30	82.1 22	59.6 16	37.1 10
CAMBRIDGE	1913 - 1932	76.1 21	101.8 28	79.5 22	59.7 16	48.2 13
KEW	1913 - 1932	72.9 20	111.8 30	78.9 22	57.3 16	44.4 12
SOUTHAMPTON	1913 - 1932	62.9 17	104.7 29	73.9 20	65.5 18	58.3 16
RENFREW	1913 - 1932	91.1 25	120.6 33	73.8 20	52.6 14	27.2 8
ESKDALEMUIR	1913 - 1932	91.9 25	120.1 33	71.9 20	50.5 14	30.9 8
DOUGLAS	1913 - 1932	74.8 21	103.9 28	72.5 20	57.7 16	56.4 15
SOUTHPORT	1921 - 1932	70.0 19	111.4 31	76.6 21	56.3 15	50.9 14
STONYHURST	1913 - 1932	83.0 23	122.7 34	74.5 20	49.2 13	35.9 10
HOLYHEAD	1921 - 1932	67.5 18	108.2 30	73.4 20	59.3 16	56.9 16
FALMOUTH	1913 - 1932	58.9 16	104.2 29	73.5 20	64.7 18	64.0 17
MARKREE CASTLE	1913 - 1932	80.9 22	126.6 35	78.2 21	49.6 14	29.9 8
ARMAGH	1913 - 1932	78.7 21	121.2 33	78.7 22	53.0 15	33.7 9
DUBLIN (PHOENIX PARK)	1913 - 1932	67.3 19	115.0 31	82.7 23	58.8 16	41.5 11
BIRR CASTLE	1913 - 1932	78.8 21	117.7 32	83.7 23	55.8 15	31.3 9
VALENTIA	1913 - 1932	76.4 21	123.5 34	69.3 19	52.1 14	43.9 12

*Kirkwall data for 1931 and 1932.
Percentages are shown by italic figures.

Station	Years Used	Page	Station	Years Used	Page
Aber (Bangor)	1926-35	30	Dundee (Mayfield)	1916-35	13
Aberdeen	1906-35	12	Durham	1906-35	16
Aberystwyth	1906-35	31			
Aberystwyth (P.B.S.)	1925-35	31	Eastbourne	1906-35	25
Arbroath	1926-35	13	East Malling	1925-35	24
Armagh	1906-35	35	Edgbaston (Birmingham)	1906-35	21
Ascot	1923-35	26	Edinburgh (Blackford Hill)	1906-35	14
			Emsworth (Watergate)	1906-35	26
Ballinacurra	1906-35	35	Enfield (London)	1912-35	23
Baltasound	1907-35	11	Eskdalemuir	1910-35	15
Banff	1915-35	12	Exmouth	1914-35	33
Bath	1906-16; 20-35	32			
Belvoir Castle	1906-35	21	Falmouth	1906-35	34
Berwick on Tweed	1924-35	16	Felixstowe	1906-35	18
Bexhill	1926-35	25	Folkestone	1906-35	24
Bidston (Liverpool)	1908-35	30	Fort Augustus	1906-15; 26-35	12
Biggin Hill	1921-35	24	Fortrose	1911-35	11
Birmingham (Edgbaston)	1906-35	21	Fowey	1911-35	34
Birr Castle	1906-35	35			
Blackpool	1906-35	28	Giggleswick	1911-35	20
Boghall	1925-35	14	Gordon Castle	1909-35	12
Bognor Regis	1906-35	25	Gorleston (Yarmouth)	1908-35	18
Bolton	1906-35	28	Greenwich (Royal Obs.)	1906-35	23
Bournemouth	1906-35	26	Guernsey	1906-35	36
Bradford	1908-35	19	Gulval	1925-35	34
Bridlington	1920-35	17			
Brighton	1906-35	25	Hampstead (London)	1911-35	23
Broadstairs	1906-35	24	Harrogate	1906-35	20
Bude	1914-35	34	Hastings (St. Leonards)	1906-35	26
Bunhill Row (London)	1906-35	22	Haverfordwest	1906-35	31
Burnley	1908-35	28	Helensburgh	1911-35	14
Buxton	1908-35	20	Holton Heath	1920-35	32
			Holyhead	1913-35	30
Calshot	1921-35	26	Houghall	1925-35	16
Cambridge (Botanic Gdns.)	1906-35	18	Hoylelake	1906-35	29
Cardiff	1908-35	31	Huddersfield	1907-35	20
Cardross (Kilmahew)	1909-35	14	Hull	1926-35	17
Carnoustie	1912-35	13	Hunstanton	1924-35	18
Carrick-on-Suir (Seskin)	1914-35	35	Hutton	1913-35	28
Cheltenham	1907-35	22			
Chopwellwood	1911-35	16	Ilfracombe	1911-35	33
Cirencester (Agric.Coll.)	1906-15; 31-35	22	Ilkley	1923-35	20
Clacton	1906-35	19	Inchkeith	1923-35	13
Cleethorpes	1925-35	17	Inverness	1906-15; 21-35	12
Cockle Park (Morpeth)	1906-35	16			
Colwyn Bay	1909-35	30	Jersey	1906-35	36
Copdock	1914-35	18			
Coventry	1906-35	21	Keswick	1919-35	28
Craibstone	1925-35	12	Kew Observatory	1906-35	23
Cranwell	1921-35	17	Kilmahew (Cardross)	1909-35	14
Cromer	1906-35	17	Kirkwall	1906-35	11
Croydon	1921-35	23			
Cullompton	1906-35	32	Lancaster	1906-35	29
			Leamington	1912-35	21
Darwen	1908-35	28	Lerwick Observatory	1923-35	11
Deal	1921-35	24	Leuchars	1921-35	15
Deerness	1906-35	11	Leyland	1911-35	29
Douglas	1906-35	16	Littlehampton	1916-35	26
Dover	1908-20; 24-35	24	Liverpool (Bidston)	1908-35	30
Dublin (Phoenix Pk.)	1906-35	35	Llandudno	1906-35	31
Dumfries	1910-35	15	Long Ashton	1921-35	32

Station	Years Used	Page	Station	Years Used	Page
Long Sutton	1924-35	26	Ruthwell	1910-35	15
London			Ryde	1914-35	27
Bunhill Row	1906-35	22	St. Andrew's	1913-35	13
Enfield	1912-35	23	St. Ann's Head (Pembroke)	1906-35	31
Greenwich Observatory	1906-35	23	St. Leonards (Hastings)	1906-35	26
Hampstead	1911-35	23	Sandown	1906-35	27
Kew Observatory	1906-35	23	Scarborough	1906-35	16
Regent's Park	1906-35	23	Scilly	1906-35	35
Tottenham	1907-35	23	Sealand	1923-35	30
Westminster	1906-35	23	Seskin (Carrick-on-Suir)	1914-35	35
Lowestoft	1906-15; 21-35	18	Sheffield	1906-35	20
Luton	1921-35	19	Shoeburyness	1919-35	19
Lympne	1921-35	24	Skegness	1906-35	17
Malin Head	1915-35	35	Southampton	1906-35	27
Mallaranny	1916-35	34	Southend	1906-35	19
Malvern	1909-35	22	Sth. Farnborough	1914-35	27
Manchester (Oldham Rd.)	1906-35	29	Southport	1906-35	29
Manchester (Whitworth Park)	1906-35	29	Southsea (Portsmouth)	1908-35	27
Marchmont	1906-35	14	Sprowston	1925-35	18
Margate	1906-35	25	Spurn Head	1921-35	17
Markree Castle	1906-35	34	Stirling	1918-35	15
Marlborough	1906-35	27	Stonyhurst	1906-35	29
Mayfield	1913-35	22	Stornoway	1906-35	11
Montrose	1917-35	13	Strelley	1906-35	21
Morecamble	1915-35	29	Sutton Bonington	1925-35	21
Morpeth (Cockle Park)	1906-35	16	Swansea	1910-35	32
Mursley	1921-28; 31-35	22	Teignmouth	1906-35	33
Nairn	1907-35	12	Tenby	1906-35	31
Newquay	1906-35	34	Thorntonhall	1907-35	15
Newton Abbott	1925-35	33	Torquay	1906-35	33
Newton Rigg	1906-35	28	Totland Bay	1906-35	27
North Berwick	1923-35	14	Tottenham (London)	1907-35	23
Norwich	1911-35	18	Tunbridge Wells	1906-35	25
Nottingham (Castle)	1906-20; 25-35	20	Turnberry	1910-35	15
Oban	1906-35	14	Usk	1925-35	32
Onich	1924-35	12	Valentia Observatory	1906-35	35
Oundle	1916-35	21	Ventnor (Hospital)	1906-35	27
Oxford	1906-35	22	Wakefield	1914-17; 20-35	20
Paignton	1910-35	33	Wallasey (New Brighton)	1925-35	30
Paisley	1906-35	15	Walton-on-Naze	1913-17; 21-35	19
Pembroke (St. Ann's Head)	1906-35	31	Watergate (Emsworth)	1906-35	26
Penzance	1906-35	34	West Kirby	1926-35	30
Perth	1914-35	13	Westminster (St. James Park)	1906-35	23
Plymouth (The Hoe)	1906-35	33	Weston-super-Mare	1906-35	32
Plymouth (Mount Batten)	1921-35	33	Weymouth	1906-35	32
Porton	1923-35	28	Whitby	1906-21	16
Portsmouth (Southsea)	1908-35	27	Wisley	1906-35	24
Ramsgate	1906-35	25	Woburn	1906-35	19
Regent's Park (London)	1906-35	23	Workshop	1906-35	21
Renfrew (Abbotsinch)	1921-35	15	Worthing	1906-35	26
Rhayader	1917-34	31	Wye	1925-35	25
Rhyl	1906-35	30	Yarmouth (Gorleston)	1908-35	18
Ross-on-Wye	1915-35	22	York	1906-35	17
Rothamsted	1906-35	19	Malta	1921-35	36
Rothsay	1914-35	14			

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