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PROBABILITIES AND EXTREMES OF SOLAR RADIATION BY CLIMATIC WEEK

Rodger R. Getz, ESSC, Auburn, Alabama
Michael M. Nicholas, Auburn University, Auburn, Alabama

Scientific Services Division
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Rodger R. Getz and Michael M. Nicholas
National Weather Service, ESSC, Auburn, AL and
Auburn University, Auburn, AL.

ABSTRACT. Tables listing the probability, extremes and other statistics of solar radiation by climatic week are presented for 26 locations across the United States. Data used in the study were obtained from a rehabilitated solar radiation and meteorological data base called SOLMET.

INTRODUCTION

The utilization of the sun as a source of energy for plant and animal life on earth requires knowledge of the distribution and amount of solar radiation. Solar radiation information is in demand for the design of heating and cooling systems for homes, livestock structures, greenhouses and other buildings. Many evapotranspiration calculations, heat budget studies and plant growth models also require solar radiation data. Solar energy is being used in drying crops.

Reliable solar radiation data with comparative meteorological data has not been available in a convenient form for researchers. National summaries of solar radiation include those by Fritz and McDonald (1949), Atlas and Charles (1964) and Bennett (1967). Numerous regional and local studies have been done (Baker and Haines, 1969; Baker and Klink, 1975; Rosenberg, 1964; Sakamoto and Dunlap, 1974). Extensive quality control of the data has been required before the data could be analyzed. Different adjustment procedures for rehabilitating the data in each study make comparisons difficult.

This paper reports on an analysis of solar radiation at 26 locations in the United States utilizing a new combined solar radiation and meteorological data base named SOLMET. Tables of solar radiation extremes, means, standard of the mean and probability distribution are presented. (See pages 10-35.)

SOURCE OF DATA

The National Climatic Center (NCC) is responsible for archiving all meteorological and solar radiation data. NCC Tape Data Family-14 has been used to record all hourly meteorological data with Card Deck 280 used for hourly insolation data. These two data sources suffered from a lack of quality control, instrument changes and calibration problems. Several changes in the international scale for radiation measurements (solar constant) required adjustments to all solar data. The need for a common solar radiation and meteorological data base resulted in the creation of the SOLMET data format by the NCC.

SOLMET provides quality controlled hourly solar radiation and meteorological data for 27 stations previously archived in the Card Deck 280 and Tape Data Family-14 systems. All future solar and meteorological data will be recorded in the SOLMET format.

The important features of SOLMET are:

1. Insolation and meteorological data are combined into one source.
2. All data are in the International System of Units (SI).
3. Observations are recorded in true solar and local standard time.

4. The format allows for the recording of additional solar radiation parameters as they become available.
5. The data is FORTRAN compatible.
6. Where possible, missing observations are estimated via models.
7. Global solar radiation data is serially complete and corrected for all known scale, instrument and calibration problems.

Further information on SOLMET is available in Volume I of the SOLMET User's Manual (1977).

Table I lists 26 of the 27 stations recorded in the SOLMET format. Stephenville, TX is not included since only two years of data are available. The 26 SOLMET stations are shown in figure 1. Most of the data covers the period 1 July 1952 through 31 Dec 1975.

METHOD OF COMPUTATION

The SOLMET data was available on a set of 27 magnetic tapes suitable for computer processing. Analysis of the data was made on the Auburn University IBM 370/158. The computer programs used were based on a similar analysis by Baker and Klink (1975). All data are summarized by climatic week. Climatic weeks were used to allow comparisons with other climatological studies (which are typically based on climatic weeks) and to account for short-term variations of solar radiation. Data at the beginning and end of the period of record for each station was not included if it was not within a complete climatic week. For the purpose of this study, February 28 and 29 (climatic week 53), were omitted.

Hourly insolation data from SOLMET tape field 108 were summed into daily totals. The daily values were also totalized into weekly sums by climatic week. The analysis of solar radiation for the 26 SOLMET stations consisted of calculations of the extremes, mean, standard of the mean and probability distribution. Tables 2 through 27 list the results of the calculations. All data are presented in Kilojoules per square meter per day (standard units for solar radiation data). The calculations are detailed below.

Extremes, Mean and Standard of the Mean

The maximum and minimum daily solar radiation values were found for each climatic week. A mean daily amount of solar radiation was calculated by averaging the weekly total radiation for each climatic week over all years. The standard of the mean (or standard deviation) was determined in the usual manner.

Probabilities

The probability of receiving at least an indicated amount of insolation was calculated at 10 percent increments from 10 to 90 percent. The probabilities were determined empirically using a computer technique after Baker and Klink (1975).

INTERPRETATION AND USE OF THE DATA

The data presented in this study was not quality controlled but was accepted as recorded in the SOLMET tapes. It should be noted that unrealistic minimum radiation values appear in the tables for some stations. Examination of a similar analysis by Baker and Klink (1975)

using a different data base showed the same problem. The source of this error is not clear. No attempt was made to adjust for these questionable values. Since the unusually low values were normally only one out of several hundred observations, the effects on the data should not be great.

Users of the data are also cautioned that direct interpolation of values for locations between SOLMET station locations should not be done due to the sparce geographical distribution of the SOLMET stations.

At the top of each table is the station name, WBAN station number and period of record. Column one lists the climatic week. The number of daily observations used in the calculations for that climatic week are listed in the next column. Next, are the greatest and least amount of daily radiation observed over all years of record during the climatic week. Column five shows the average daily solar radiation for that climatic week. The variability of the data from the mean is listed in column six as the standard of the mean or standard deviation.

The remainder of the table provides information on the distribution of daily radiation values for each climatic week. Using table 2 as an example, the probability is 90% that Albuquerque, NM will receive at least 11,345 KJ/M^2 per day of global radiation during the first week of March. The median radiation for the first climatic week at Albuquerque is 19,868 KJ/M^2 per day. Half of the daily radiation values are greater than this figure and half are less than the above amount.

There are a number of specific uses for the data presented in tables 2 through 27. A primary use is that of providing a simple climatology of radiation. Evapotranspiration estimates using solar radiation data can be made from SOLMET data using formula such as those given by Baier and Robertson (1965). The SOLMET global radiation values can be used in a technique described by Barfield et al. (1973) to estimate the amount of solar radiation received on a sloping surface for all combinations of slope orientation and inclination. Anderson (1976) lists a method of determining the size and efficiency of a solar collector based on expected insolation and other variables.

ACKNOWLEDGEMENT

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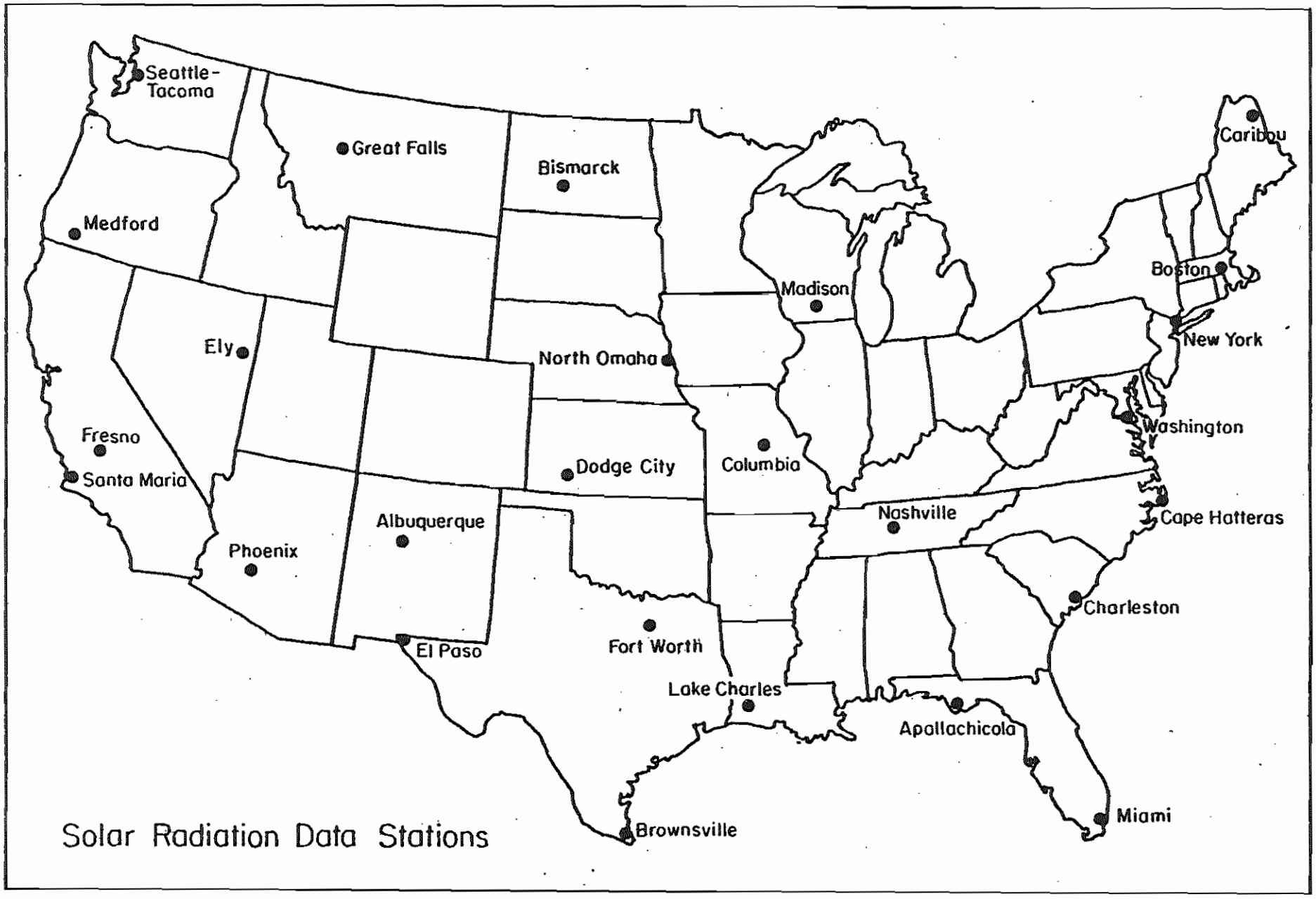
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Bismarck
Caribou
Medford
Madison
Boston
New York
Ely
North Omaha
Washington
Fresno
Santa Maria
Dodge City
Columbia
Nashville
Cape Hatteras
Albuquerque
Phoenix
Charleston
El Paso
Fort Worth
Lake Charles
Apallachicola
Miami
Brownsville
Solar Radiation Data Stations

Figu

TABLE 1.

STATION NUMBER	STATION NAME	ELEVATION* (METERS)	PERIOD OF RECORD	LATITUDE**	LONGITUDE**
23050	Albuquerque, NM	1627	7/1/52-12/31/75	N35 03	W106 37
12832	Apalachicola, FL	8	7/1/52-12/31/75	N29 44	W85 02
24011	Bismark, ND	506	7/1/52-12/31/75	N46 46	W100 45
94701	Boston, MA	48	7/1/52-11/30/68	N42 22	W71 03
12919	Brownsville, TX	15	7/1/52-12/31/75	N25 54	W97 26
93729	Cape Hatteras, NC	6	7/1/52-12/31/75	N35 16	W75 33
14607	Caribou, ME	195	7/1/52-12/31/75	N46 52	W68 01
13880	Charleston, SC	21	7/1/52-12/31/75	N32 54	W80 02
03945	Columbia, MO	277	7/1/52-12/31/75	N38 49	W92 13
13985	Dodge City, KS	800	7/1/52-12/31/75	N37 46	W99 58
23044	El Paso, TX	1205	7/1/52-12/31/75	N37 48	W106 24
23154	Ely, NV	1914	12/1/51-12/31/75	N39 17	W114 51
03927	Ft. Worth, TX	175	7/1/52-7/31/74	N32 50	W97 03
93193	Fresno, CA	102	7/1/52-12/31/75	N36 46	W119 43
24143	Great Falls, MT	1125	7/1/52-12/31/75	N47 29	W111 22
03937	Lake Charles, LA	18	7/1/52-12/31/75	N30 07	W93 13
14837	Madison, WI	271	7/1/52-12/31/75	N43 08	W89 20
24225	Medford, OR	405	12/1/51-12/31/75	N42 22	W122 52
12839	Miami, FL	12	7/1/52-12/31/75	N25 48	W80 16
13897	Nashville, TN	186	7/1/52-12/31/75	N36 07	W86 41
94728	New York, NY	57	7/1/52-12/31/75	N40 47	W73 58
94918	N. Omaha, NE	404	6/1/57-12/31/75	N41 22	W96 01
23183	Phoenix, AZ	347	7/1/52-12/31/75	N33 26	W112 01
23273	Santa Maria, CA	82	7/1/52-3/31/69	N34 54	W120 87
24233	Seattle-Tacoma, WA	137	12/1/51-12/31/75	N47 27	W122 18
93734	Washington, DC	86	8/1/53-12/31/75	N38 59	W77 28

*most recent height of solar radiation instrument.
**most recent location of solar radiation instrument.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT ALBUQUERQUE, NM.
(STATION NO. 23050) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	5999	22911	18196	323	11345	14474	17499	18688	19868	20485	20973	21348	21844
03/08 - 03/14	161	3813	25019	18976	361	11336	15525	18014	19356	20476	21212	22158	22608	23011
03/15 - 03/21	161	4371	26387	20609	365	13191	16614	19735	21502	22442	23215	23781	24109	24578
03/22 - 03/28	161	5421	27387	21499	395	13238	17154	20531	22021	23383	24270	24977	25417	25880
03/29 - 04/04	161	5837	28040	22767	377	15946	18532	20982	23174	24608	25682	26191	26554	26960
04/05 - 04/11	161	7786	29586	23934	373	16727	19836	22331	23793	25462	26993	27289	27734	28127
04/12 - 04/18	161	5116	30043	25151	394	17238	21182	23815	25608	27129	27903	28644	29103	29402
04/19 - 04/25	161	5050	31578	26646	390	19360	23521	25673	28114	28851	29454	29786	30002	30397
04/26 - 05/02	161	8939	32351	27285	389	18399	24576	26336	28304	29420	29927	30465	31001	31384
05/03 - 05/09	161	6362	33516	28133	425	20950	24806	27604	29389	30235	30779	31285	31845	32332
05/10 - 05/16	161	6517	33893	29031	356	22950	25767	27950	29480	30526	31257	31898	32368	32926
05/17 - 05/23	161	16723	34568	29250	333	22449	25951	28110	29625	30746	31649	32029	32575	33012
05/24 - 05/30	161	12208	36076	29259	374	23049	25961	27388	29012	30635	31582	32424	32973	33990
05/31 - 06/06	161	14554	34634	29482	360	22576	25612	27317	29826	31198	31891	32615	33242	33872
06/07 - 06/13	161	9580	35480	29892	404	22861	26127	28441	30797	31759	32726	33288	33718	34210
06/14 - 06/20	161	13218	35931	30593	311	25596	28047	29842	31091	31704	32470	33094	33595	33947
06/21 - 06/27	161	9966	35368	31323	282	26201	30021	31241	31828	32296	32816	33191	33686	33982
06/28 - 07/04	161	13556	34656	30059	293	24350	26906	28997	30127	31286	32042	32480	32891	33499
07/05 - 07/11	168	8548	37373	28389	387	21204	24099	26534	28616	29914	31049	31657	32301	33201
07/12 - 07/18	168	6853	33894	28080	334	22014	24994	27044	27926	29067	30002	30776	31432	32393
07/19 - 07/25	168	17142	33410	28018	292	22631	24816	25999	27754	28975	29945	30667	31339	32060
07/26 - 08/01	168	8815	34391	27302	314	21511	24171	26382	27441	28368	28855	29720	30439	31094
08/02 - 08/08	168	9319	32089	27354	307	21759	24597	25917	27614	28468	29353	29912	30585	30991
08/09 - 08/15	168	9021	31494	26059	301	21195	22966	24835	26244	27257	28006	28606	29112	29797
08/16 - 08/22	168	8478	29786	25616	277	20800	22858	24525	25700	26823	27360	27807	28427	29027
08/23 - 08/29	168	4824	29716	25314	319	18821	22966	24576	25908	26903	27453	27813	28179	28589
08/30 - 09/05	168	6874	28628	24444	303	18493	22196	23721	24760	26028	26619	26951	27266	27679
09/06 - 09/12	168	9863	27450	23033	307	16695	19701	21584	23885	24803	25442	25808	26061	26420
09/13 - 09/19	168	6288	26851	22391	331	17189	20483	22137	23104	24091	24558	24945	25181	25490
09/20 - 09/26	168	3428	25358	21012	370	12967	19075	21603	22502	23202	23505	23672	23917	24195
09/27 - 10/03	168	4262	24064	20466	288	14120	18967	20552	21581	21983	22265	22488	22744	22942
10/04 - 10/10	168	4115	22084	19146	290	14181	17926	19076	20413	20811	20984	21148	21381	21586
10/11 - 10/17	168	3010	21010	18089	309	12437	17038	18953	19455	19683	19861	20064	20309	20568
10/18 - 10/24	168	3837	19759	16756	246	12167	14598	16313	17801	18175	18394	18658	18924	19200
10/25 - 10/31	168	2317	18635	15335	282	9438	12951	15466	16586	16897	17247	17505	17788	17971
11/01 - 11/07	168	2878	17300	14447	234	9258	12803	14336	15282	15789	16037	16267	16454	16762
11/08 - 11/14	168	2954	16169	13590	213	9058	11825	13501	14216	14763	15025	15241	15480	15740
11/15 - 11/21	168	2586	15840	12059	250	6345	9300	11505	12789	13676	13955	14214	14417	14657
11/22 - 11/28	168	1280	14367	11779	234	6540	9923	11751	12813	13256	13452	13582	13697	13881
11/29 - 12/05	168	2127	13913	10687	233	5923	8174	9702	11412	12221	12609	12783	12915	13088
12/06 - 12/12	168	2334	15207	10864	198	6306	9033	10821	11577	12056	12282	12465	12591	12750
12/13 - 12/19	168	2675	12989	10447	213	5235	8207	10671	11366	11883	12028	12168	12292	12464
12/20 - 12/26	168	1874	12572	10542	183	6546	8749	10300	11020	11513	11927	12130	12237	12398
12/27 - 01/02	161	472	12913	10259	209	5855	7422	9438	10740	11679	11965	12114	12233	12417
01/03 - 01/09	161	2120	13670	10747	216	5801	9094	10725	11529	12010	12210	12391	12609	12758
01/10 - 01/16	161	1690	13904	11478	206	7705	9710	11073	12310	12675	12863	13054	13272	13443
01/17 - 01/23	161	3212	14950	11622	235	6081	9459	10982	12302	12789	13276	13574	13880	14128
01/24 - 01/30	161	2976	15724	12548	258	6488	10256	11913	13031	14196	14469	14662	14913	15172
01/31 - 02/06	161	2997	17282	13614	261	7746	11468	13067	14143	15204	15575	15795	16063	16233
02/07 - 02/13	161	4169	18788	14305	288	9201	11124	13628	14712	15758	16499	16849	17017	17427
02/14 - 02/20	161	3074	22365	15460	304	9194	12346	14266	16346	17197	17611	17961	18263	18604
02/21 - 02/27	161	3301	21348	16734	330	9436	13287	16046	17607	18475	19187	19508	19824	20252

Table 2.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT APALACHICOLA, FL.
(STATION NO. 12832) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	1861	22240	14592	448	5953	8035	11000	14038	15889	17617	19179	19925	20448
03/08 - 03/14	161	2053	23682	16262	446	6663	10769	13482	16124	18079	20011	20677	21209	21636
03/15 - 03/21	161	1024	24212	17158	513	6398	10347	14337	17584	20010	21387	22101	22581	23066
03/22 - 03/28	161	1033	24944	18481	462	9573	14336	16802	18819	20242	21821	22865	23333	23691
03/29 - 04/04	161	1111	25659	18669	575	4888	10968	16435	19900	21481	23309	24089	24557	24990
04/05 - 04/11	161	2076	26953	19733	518	8805	13380	17766	20601	22440	23742	24719	25073	25465
04/12 - 04/18	161	4141	27772	21652	464	12365	16816	20393	22761	24010	25441	25717	26072	26409
04/19 - 04/25	161	3002	28599	23012	428	14805	20329	22979	24338	25368	25891	26209	26565	27012
04/26 - 05/02	161	2013	28887	22366	478	11882	17375	21366	23800	24858	25686	26241	26829	27272
05/03 - 05/09	161	2390	29093	22742	488	11615	18515	21679	23644	25048	26364	26931	27360	27981
05/10 - 05/16	161	2723	29674	23955	453	15278	21173	22745	25199	26405	27003	27305	27848	28242
05/17 - 05/23	161	3709	29777	24250	425	16813	22121	23960	25499	26114	27031	27414	27728	28223
05/24 - 05/30	161	7806	29158	24077	381	16713	20900	23104	24671	25854	26843	27238	27664	28163
05/31 - 06/06	161	8219	29875	24530	361	17809	20685	23865	25227	26187	26961	27619	27862	28387
06/07 - 06/13	161	5215	29392	22861	463	13085	18174	21501	23609	25041	25892	26533	27528	28061
06/14 - 06/20	161	3235	29828	21891	472	12524	17292	18948	21522	23492	24472	25883	27224	28363
06/21 - 06/27	161	3313	29031	21175	465	11960	16346	19511	21086	22815	24175	25245	26061	27328
06/28 - 07/04	161	7691	28844	22964	375	16116	19396	21825	23450	24451	25362	25883	26639	27299
07/05 - 07/11	168	5367	29798	20917	437	11990	16028	18290	20411	22240	23438	24809	25990	27190
07/12 - 07/18	168	1337	27959	20320	452	11932	15227	17430	19294	21411	23272	24375	25685	27005
07/19 - 07/25	168	3525	28170	20346	447	11328	14986	18121	19896	21194	22896	24172	25812	26750
07/26 - 08/01	168	1274	28297	19511	473	11236	14478	16593	17930	20508	21839	24127	25886	26515
08/02 - 08/08	168	1826	27366	19293	469	9904	13916	17456	19275	20859	22302	23546	24799	25679
08/09 - 08/15	168	4128	27288	18816	469	9636	12731	15344	17892	20499	21838	23478	24587	25386
08/16 - 08/22	168	3074	25853	19461	378	12336	14822	17183	19583	20874	21953	22689	23705	24681
08/23 - 08/29	168	3452	25855	19181	411	11653	13656	16968	18533	20536	21444	23113	24069	24911
08/30 - 09/05	168	3006	25591	19171	378	11191	15643	17186	19010	20850	21748	22608	23248	23798
09/06 - 09/12	168	565	24690	17096	451	7331	12095	14764	17312	19163	20329	21551	21974	22736
09/13 - 09/19	168	542	23526	17611	393	10360	13852	16007	17738	19348	19913	21252	21946	22291
09/20 - 09/26	168	534	22924	17051	418	8328	12355	16315	18245	19143	20052	20683	21125	21577
09/27 - 10/03	168	2115	21327	16512	388	7821	12682	16103	17278	18490	19222	19876	20268	20686
10/04 - 10/10	168	824	21691	16380	371	8465	13028	16172	17414	18483	19017	19322	19744	20174
10/11 - 10/17	168	1880	20615	15970	322	9184	12392	16069	16970	17757	18314	18619	18888	19267
10/18 - 10/24	168	538	19519	14987	333	6956	12470	15041	15917	16947	17394	17672	17878	18155
10/25 - 10/31	168	2556	17732	14190	313	6714	12181	14390	15270	16104	16434	16714	16884	17215
11/01 - 11/07	168	1018	16884	13327	290	7316	10246	12918	14350	15057	15410	15743	16027	16258
11/08 - 11/14	168	1162	16351	11897	305	5802	7853	10334	12791	13461	14501	14864	15078	15415
11/15 - 11/21	168	2377	15579	11854	229	7085	9337	10865	12090	12886	13635	13979	14181	14575
11/22 - 11/28	168	1415	15425	10463	276	3735	7601	9404	10746	11716	12154	12894	13431	13825
11/29 - 12/05	168	193	14602	10389	279	4036	6940	9871	11474	12203	12549	12816	13055	13216
12/06 - 12/12	168	197	13506	9378	262	4151	5896	7912	9064	10543	11283	11936	12454	12792
12/13 - 12/19	168	832	13709	9158	251	4310	5574	7230	9159	10013	10966	11795	12283	12486
12/20 - 12/26	168	856	12845	8973	257	3530	5764	7313	8695	10032	10771	11529	12107	12478
12/27 - 01/02	161	1110	13457	8654	276	3325	5052	6657	7841	9118	10271	11679	12270	12637
01/03 - 01/09	161	209	13714	8983	285	3118	5228	6779	7964	9654	10891	11956	12473	13055
01/10 - 01/16	161	402	13902	9212	298	3796	5259	6846	8506	9618	11312	12529	13068	13341
01/17 - 01/23	161	710	14712	9617	322	3463	5188	6887	8291	10230	12147	13222	13750	14132
01/24 - 01/30	161	633	15798	11016	318	4763	7154	8920	10161	11854	13443	14508	14840	15266
01/31 - 02/06	161	1140	17262	10956	357	4007	6166	8535	9795	11966	13594	14854	15420	15877
02/07 - 02/13	161	1003	18087	12792	371	5457	7736	10978	12643	14621	15827	16435	16857	17177
02/14 - 02/20	161	2017	19689	13304	368	5980	8982	11062	12682	14953	15811	16813	17569	18036
02/21 - 02/27	161	437	20686	13838	424	5818	8216	10520	13464	15220	17053	18319	18808	19270

Table 3.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT BISMARCK, ND.
(STATION NO. 24011) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	2019	16310	11434	280	5375	8053	9972	11356	12480	13180	14008	14600	15183
03/08 - 03/14	161	1333	18440	12109	334	5737	8066	10121	11209	12472	13768	15235	16323	17005
03/15 - 03/21	161	1498	20773	14041	351	7422	10431	11645	13440	14860	16577	17353	17886	18360
03/22 - 03/28	161	2465	21289	13935	441	5531	7316	10421	13013	15219	17441	18491	19393	19982
03/29 - 04/04	161	1768	23180	15671	479	5857	9841	12698	15031	17757	19415	20297	21124	21612
04/05 - 04/11	161	1448	24699	16111	540	5043	8750	12023	15404	18598	20285	21428	22656	23442
04/12 - 04/18	161	2471	26004	17484	566	5738	9471	14262	16338	19989	21842	23249	24259	24849
04/19 - 04/25	161	1725	27653	17182	561	6545	10051	13229	15515	18378	20694	22248	24517	25775
04/26 - 05/02	161	1003	28460	17359	657	3932	9425	12640	15441	19105	21481	23712	26063	27327
05/03 - 05/09	161	1389	29941	20384	597	8179	12382	16923	21417	22998	24005	25968	27209	28093
05/10 - 05/16	161	2031	31086	20936	654	7803	12176	17221	20230	23941	25785	27331	28400	29279
05/17 - 05/23	161	1518	30555	21299	612	8984	14474	19011	21584	23575	25232	26668	28235	29624
05/24 - 05/30	161	2033	31347	21490	663	8176	11477	18486	21574	24229	26383	27866	29374	29941
05/31 - 06/06	161	3990	32406	23565	575	12110	16261	21197	23584	25818	27628	29319	30027	30548
06/07 - 06/13	161	2785	31809	21552	692	7281	11342	15784	21382	24397	27045	28417	30087	30773
06/14 - 06/20	161	3175	32984	23107	603	10732	15598	20180	22793	24861	26961	29135	29973	30873
06/21 - 06/27	161	4003	31424	24212	555	14191	17775	22536	23986	27038	28316	29254	30293	30856
06/28 - 07/04	161	5061	32604	24517	554	12561	18200	22232	25536	27570	28465	29516	30325	30757
07/05 - 07/11	168	4366	31985	25660	430	16796	21371	23881	26519	27716	28811	29233	30004	30379
07/12 - 07/18	168	4677	31983	25476	380	18411	21545	24521	26081	27133	28090	28706	29260	29811
07/19 - 07/25	168	4644	30163	24608	426	16510	20939	24172	25205	26711	27564	28136	28684	29116
07/26 - 08/01	168	3893	30477	23850	425	15348	20088	22550	24308	26009	26794	27799	28115	28429
08/02 - 08/08	168	2790	29156	22493	439	13929	17411	19630	22494	24911	26119	26782	27239	27642
08/09 - 08/15	168	3888	27505	22865	386	16730	20921	22888	23857	24754	25315	25844	26031	26388
08/16 - 08/22	168	3314	26372	20660	436	10001	16933	19453	21819	22955	23800	24412	24889	25366
08/23 - 08/29	168	2654	26297	19724	419	10571	14786	18673	20523	21863	22786	23474	23867	24468
08/30 - 09/05	168	2230	24076	17701	439	8325	12863	15211	17453	19848	21409	21949	22537	22966
09/06 - 09/12	168	1995	22471	17199	382	9029	13251	15511	17572	18976	20098	20786	21157	21543
09/13 - 09/19	168	1466	21718	14718	421	5723	9724	12501	14142	16212	18088	19065	19573	20156
09/20 - 09/26	168	1504	19514	13772	399	5242	8144	10805	14412	16184	17178	17711	18118	18488
09/27 - 10/03	168	2005	17981	13593	314	7169	10422	12306	13951	15329	15962	16456	16785	17179
10/04 - 10/10	168	838	16492	11505	342	4159	6639	9419	11787	13318	14345	14837	15312	15790
10/11 - 10/17	168	642	15068	10602	293	4424	6694	8652	10644	12474	12884	13384	13760	14225
10/18 - 10/24	168	954	13452	9650	259	4082	5817	8201	10013	10854	11660	12120	12409	12858
10/25 - 10/31	168	988	12457	7861	243	3007	4693	5585	7094	8685	9434	10567	10940	11477
11/01 - 11/07	168	767	10809	6995	221	2529	3979	5215	6708	7676	8793	9326	9738	10090
11/08 - 11/14	168	487	9920	6169	191	2393	3676	4763	5329	6538	7262	8221	8734	9087
11/15 - 11/21	168	752	9438	5189	179	1788	2931	3506	4305	5304	6183	7027	7687	8101
11/22 - 11/28	168	689	8058	4999	145	2439	3123	3656	4413	5076	5754	6541	6981	7281
11/29 - 12/05	168	378	7704	4570	136	1845	2662	3505	4456	4819	5239	5948	6297	6587
12/06 - 12/12	168	636	6840	4358	126	1872	2642	3438	4014	4652	5224	5641	5907	6176
12/13 - 12/19	168	1325	7083	4202	111	2216	2677	3117	3730	4298	4877	5384	5733	5920
12/20 - 12/26	168	764	6410	3881	113	1759	2374	2933	3485	3916	4496	4860	5317	5769
12/27 - 01/02	161	1158	7112	4408	117	2051	2730	3583	4354	4709	5190	5479	5791	5982
01/03 - 01/09	161	655	6824	4650	113	2364	3416	4029	4542	4914	5358	5669	5924	6219
01/10 - 01/16	161	1474	7374	4930	122	2449	3387	4023	4816	5135	5740	6127	6415	6609
01/17 - 01/23	161	1224	8054	5335	141	2581	3475	4418	4896	5338	6119	6652	7150	7447
01/24 - 01/30	161	1787	9020	6257	143	3690	4505	5361	6024	6589	6971	7655	7928	8315
01/31 - 02/06	161	1831	11242	7166	157	4086	5119	6352	6884	7395	7985	8532	8969	9322
02/07 - 02/13	161	1729	12201	7845	196	4200	5361	6600	7738	8451	9037	9557	10004	10506
02/14 - 02/20	161	3105	13280	9140	223	4785	5997	7154	8580	9881	10796	11295	11739	12204
02/21 - 02/27	161	854	14205	10337	235	5710	7555	9154	10295	11104	11874	12442	12918	13419

Table 4.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT BOSTON, MASS.
(STATION NO. 94701) JUL,1952 - NOV,1968

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	112	840	16905	9229	485	2109	3431	4431	7317	9797	12179	13727	14502	15350
03/08 - 03/14	112	632	18521	10500	519	2254	4167	6237	9682	11271	13012	15013	16103	16679
03/15 - 03/21	112	1135	20497	11950	567	2938	5008	6938	10162	13096	15700	16968	18011	18725
03/22 - 03/28	112	650	20914	13682	592	3575	5982	10042	13616	16175	17670	18417	19159	19847
03/29 - 04/04	112	1173	23305	13743	670	3363	4939	7243	12706	15397	18010	19674	20557	21503
04/05 - 04/11	112	893	24310	14493	686	3627	6652	10711	12772	14888	19235	20937	21930	22632
04/12 - 04/18	112	1251	24610	15287	687	3430	7304	11231	14930	17083	18404	20867	22406	23496
04/19 - 04/25	112	928	25593	15606	746	3887	5677	9561	13534	18059	19685	22389	23115	24645
04/26 - 05/02	112	1204	28644	16091	842	3239	4846	7887	14731	19076	21367	23680	25020	25707
05/03 - 05/09	112	1361	29366	17599	792	4760	8357	11977	15335	18736	21757	24651	26203	26944
05/10 - 05/16	112	1655	29306	18288	779	4781	9080	13959	17586	20451	22466	24915	26030	27450
05/17 - 05/23	112	2003	30960	19454	685	7697	11892	17360	19189	20805	22414	24647	25813	27313
05/24 - 05/30	112	1992	31400	20268	733	7168	13506	17539	19843	21945	23520	25896	27471	28463
05/31 - 06/06	112	2915	30727	20867	748	7181	11968	16769	21110	23219	25388	27004	27997	28846
06/07 - 06/13	112	2190	32993	19286	810	5913	9670	13848	17747	20891	23520	26196	27233	28630
06/14 - 06/20	112	1631	30945	21408	788	5222	16489	18880	21985	24064	25983	27233	28334	29194
06/21 - 06/27	112	3979	31324	20521	736	7113	12223	16055	19594	22355	24813	26390	27771	28920
06/28 - 07/04	112	3635	31069	22055	607	10577	17625	21678	22702	23732	25030	25716	26922	27943
07/05 - 07/11	119	3547	30520	20658	610	10334	15940	18102	20089	21850	23535	25152	26626	27886
07/12 - 07/18	119	1927	28984	19217	662	8035	10899	15945	18402	20969	23260	24388	25603	26943
07/19 - 07/25	119	2498	33270	18642	603	8001	12175	15104	17438	20062	21262	22622	24671	26380
07/26 - 08/01	119	2878	30392	19678	569	10402	13833	17597	19999	21332	22769	23764	24552	25936
08/02 - 08/08	119	2490	26093	17705	581	7548	11768	14367	18013	19337	20648	22397	23252	24241
08/09 - 08/15	119	2340	25820	16520	585	5734	10670	13896	15959	17924	19515	20932	21984	23629
08/16 - 08/22	119	290	24850	16999	556	6603	12082	14153	16710	18753	20073	20987	21816	23510
08/23 - 08/29	119	2157	24804	16413	577	4836	10334	14699	16220	18337	19502	20739	21875	22954
08/30 - 09/05	119	1198	23540	15755	529	6849	9662	12728	15459	16972	19247	20345	20974	21856
09/06 - 09/12	119	786	22667	15692	540	5874	9690	13285	16248	17855	19125	20296	20731	21593
09/13 - 09/19	119	1037	22264	13812	545	3946	7466	11045	13238	15780	17063	18055	19329	20153
09/20 - 09/26	119	659	19802	13236	487	4392	6843	10913	13431	15000	15983	17080	18000	18710
09/27 - 10/03	119	640	19470	12305	491	2332	6176	10849	12424	13398	15867	16428	16943	17386
10/04 - 10/10	119	614	17546	10990	488	2435	4492	7693	11360	12854	14247	15383	16064	16363
10/11 - 10/17	119	373	17672	11157	382	4028	7305	9886	11331	12577	13359	13948	14544	15006
10/18 - 10/24	119	691	16354	9158	398	1884	3485	7403	9056	10383	11602	12367	12879	13658
10/25 - 10/31	119	730	13416	7927	357	1688	3328	4796	7504	9473	10292	10700	11685	12238
11/01 - 11/07	119	287	12078	6525	334	1097	2109	3578	5823	6999	8245	9327	10204	10796
11/08 - 11/14	119	477	10427	6024	283	1392	2666	3827	5043	6361	7736	8363	9242	9658
11/15 - 11/21	119	174	10101	5526	264	1581	2299	3079	4481	5680	7087	8027	8429	9106
11/22 - 11/28	119	219	8829	4974	246	1116	1992	2643	3980	5678	6452	7229	7739	8031
11/29 - 12/05	112	475	8191	5076	233	979	2113	3401	4958	6003	6365	7001	7457	7687
12/06 - 12/12	112	100	7557	4076	218	940	1413	2035	3295	4360	5208	5753	6460	7030
12/13 - 12/19	112	200	7613	4613	208	1240	2038	2848	4404	5139	5926	6296	6737	7103
12/20 - 12/26	112	197	7720	4582	216	1086	1692	2848	4268	5369	5891	6334	6765	7035
12/27 - 01/02	112	142	7598	4731	214	1456	1884	2994	4375	5459	6081	6610	6984	7207
01/03 - 01/09	112	149	7928	4771	228	1198	1797	3306	4133	5203	6223	6660	7164	7504
01/10 - 01/16	112	95	9343	5133	279	1018	1829	2230	4155	6309	7301	7508	7986	8187
01/17 - 01/23	112	211	9273	5764	250	1733	2622	3763	5223	6526	7548	7887	8250	8490
01/24 - 01/30	112	159	10152	5812	299	1274	2323	3204	5106	6406	7435	8525	8989	9446
01/31 - 02/06	112	866	11273	6792	294	2226	3591	4528	5864	7501	8490	9422	9885	10329
02/07 - 02/13	112	567	13736	7344	350	1534	2986	4644	6287	7858	9364	10546	10984	11561
02/14 - 02/20	112	353	14337	8622	392	1762	3460	6803	8375	10154	10803	11702	12125	12924
02/21 - 02/27	112	944	15408	9357	417	1831	4159	7490	9322	10499	11948	12740	13359	13724

Table 5.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT BROWNSVILLE, TX.
(STATION NO. 12919) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	1934	23122	15484	464	6346	9549	13353	14750	16085	18111	19649	21617	22094
03/08 - 03/14	161	2240	24903	15939	484	7371	10041	12423	14995	16902	18417	20551	22148	23229
03/15 - 03/21	161	2352	25486	16912	498	7966	10227	12931	15223	18454	20455	21584	23444	24067
03/22 - 03/28	161	2333	26797	17319	534	7823	10172	13086	15353	18532	21196	22568	23628	25003
03/29 - 04/04	161	3568	27122	18583	512	8242	13061	14943	17722	19614	21780	23571	24979	25616
04/05 - 04/11	161	2190	27480	19302	519	9074	13413	16013	18641	21093	23076	23924	25421	26354
04/12 - 04/18	161	3197	29987	19184	514	9939	12867	14757	18338	20522	22426	23677	25432	26610
04/19 - 04/25	161	3786	30670	20900	450	11993	15591	18582	20386	22031	23729	24933	25994	26780
04/26 - 05/02	161	3202	28759	19131	498	8587	13760	17053	18580	19525	22178	23620	24870	25953
05/03 - 05/09	161	3245	32841	20843	514	11016	14503	18218	19988	21537	23481	25262	27065	28081
05/10 - 05/16	161	4986	29131	21373	433	13448	16682	19334	21416	22398	23600	25125	26514	27218
05/17 - 05/23	161	4682	30298	22641	410	15241	18155	20389	22569	23728	25065	26427	26882	27928
05/24 - 05/30	161	7012	31581	23438	386	15569	19262	22370	23466	25232	25875	26641	27094	28079
05/31 - 06/06	161	5863	31697	24504	358	18341	21458	23234	24884	25703	26461	27109	27788	28617
06/07 - 06/13	161	5835	31639	24524	373	18448	21870	23599	24819	25676	26528	27280	27870	29128
06/14 - 06/20	161	6589	31355	23466	444	14277	19822	22227	24141	24847	25887	26946	27758	28905
06/21 - 06/27	161	4566	31325	23106	481	12920	19365	21429	23478	25480	26235	27107	27924	28398
06/28 - 07/04	161	5765	31213	25047	301	20180	22999	24404	25127	25756	26422	27178	27738	28419
07/05 - 07/11	168	5797	31195	25336	323	19701	22363	24808	25596	26427	27218	27725	28186	29360
07/12 - 07/18	168	4875	30008	24272	385	17105	22603	24358	25193	25811	26479	26838	27435	27990
07/19 - 07/25	168	6897	29783	25726	235	22971	24314	25552	26031	26367	26693	27196	27560	28315
07/26 - 08/01	168	11199	28780	25013	275	19665	23837	24736	25526	26058	26585	26950	27291	27819
08/02 - 08/08	168	6848	30223	23910	332	17059	20671	23319	24471	25287	25827	26347	26833	27936
08/09 - 08/15	168	6408	28970	24059	315	19203	22569	23878	24697	25318	25632	26041	26644	27668
08/16 - 08/22	168	7192	28807	23177	320	16392	20333	22701	23680	24513	25033	25649	26270	26848
08/23 - 08/29	168	7924	27746	21121	392	11912	16935	19725	21601	22627	23757	24624	25307	26031
08/30 - 09/05	168	4328	27875	20932	376	13489	17390	19516	21213	22358	23274	24109	24751	25629
09/06 - 09/12	168	4683	28363	19091	404	10568	14867	16951	18554	20575	21558	22659	23349	24515
09/13 - 09/19	168	2889	25838	19196	371	11432	15829	18199	19612	20724	21430	22141	22830	23794
09/20 - 09/26	168	6659	26955	18767	339	12215	15476	17405	18408	20111	20829	21444	22319	23097
09/27 - 10/03	168	2881	24692	18069	406	9881	14184	17445	18724	19834	20633	21469	22210	22764
10/04 - 10/10	168	2013	23053	17750	370	9986	13407	16907	18441	19290	20257	21101	21554	22032
10/11 - 10/17	168	2937	22171	16299	356	8616	13396	15144	16650	17510	18121	19259	20157	21012
10/18 - 10/24	168	3038	21085	16036	318	9756	12180	14611	16342	17379	17954	18806	19524	20091
10/25 - 10/31	168	2206	20331	14774	325	7716	10783	13575	14964	16105	16907	17758	18366	18892
11/01 - 11/07	168	2008	19402	12544	355	5485	7566	10046	12079	13229	14814	15916	17124	17829
11/08 - 11/14	168	1581	18273	13120	338	6000	9507	11156	12919	14651	15358	16432	17030	17584
11/15 - 11/21	168	1163	17776	11731	341	4496	7049	9271	11572	12718	13685	14760	16021	16735
11/22 - 11/28	168	1217	16582	11183	338	3588	7921	9140	10338	11739	13339	14692	15422	15912
11/29 - 12/05	168	914	16210	10110	340	2998	5377	7488	9427	11108	12100	13392	14349	15329
12/06 - 12/12	168	673	16223	9776	339	2631	5304	7250	9331	10202	11513	13317	14454	14851
12/13 - 12/19	168	943	15455	9341	352	2402	4254	5673	8402	9907	11537	13030	14245	14733
12/20 - 12/26	168	1605	15422	10088	323	3450	5836	7075	9289	11167	12500	13458	14275	14730
12/27 - 01/02	161	1325	15582	9329	341	2577	4734	6617	8429	9668	11281	12704	13598	14681
01/03 - 01/09	161	1111	16008	8866	393	1912	3097	4909	6705	9108	11131	13010	14254	15170
01/10 - 01/16	161	1350	17304	10677	364	3885	5721	7454	9583	11328	13425	15003	15357	15813
01/17 - 01/23	161	1364	17588	10178	365	3259	5558	7106	8464	10214	11735	13298	15190	16271
01/24 - 01/30	161	1361	18028	11858	387	3626	6945	9309	11311	12876	14490	15427	16815	17285
01/31 - 02/06	161	1126	19102	11964	412	3622	6948	8817	10594	12855	14136	16232	17184	18042
02/07 - 02/13	161	1240	20598	13160	444	4995	7263	9024	11438	14487	16919	18074	18730	19169
02/14 - 02/20	161	1473	21011	12384	484	3474	5705	7936	10164	12686	15397	17363	18960	20006
02/21 - 02/27	161	1398	21989	13606	491	4374	6982	9484	11974	13865	16867	19139	20150	20893

Table 6.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT CAPE HATTERAS, NC.
(STATION NO. 93729) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	1476	20350	13431	433	4342	6794	10243	13494	14823	16622	18003	18597	19022
03/08 - 03/14	161	2119	21652	14886	437	5940	9003	11899	14278	16359	18633	19443	20010	20423
03/15 - 03/21	161	1413	22279	14754	508	4905	7485	10698	12633	16693	18848	20328	20966	21411
03/22 - 03/28	161	1239	23978	16528	496	6757	9237	12666	16273	18180	20507	21794	22388	22878
03/29 - 04/04	161	2186	25434	17340	537	5719	9087	14785	17462	19380	21563	22897	23506	24101
04/05 - 04/11	161	1473	26125	18679	554	6561	11115	15440	19812	21764	22693	23951	24511	24926
04/12 - 04/18	161	1444	26600	20439	513	8937	13444	18497	20596	23167	24705	25368	25688	26095
04/19 - 04/25	161	4928	27798	21896	443	11848	18129	21300	22929	23656	24890	25780	26316	26784
04/26 - 05/02	161	3326	28168	20889	550	9354	13811	18835	21835	23221	24516	26345	26978	27383
05/03 - 05/09	161	2214	29368	21953	519	12213	16042	19875	22905	24948	25606	26388	27416	27848
05/10 - 05/16	161	3717	29558	22370	511	11032	17610	20856	22976	24557	26075	27004	27848	28259
05/17 - 05/23	161	2960	31045	22890	560	10750	16945	20531	24335	26273	27148	27864	28427	28878
05/24 - 05/30	161	1812	31507	22405	551	11205	16031	19880	22202	24845	26189	27437	28271	29061
05/31 - 06/06	161	3538	31356	23912	503	12660	20355	22744	24642	26085	27217	28128	28860	29343
06/07 - 06/13	161	1010	31435	23623	548	13379	18450	22097	24793	26425	27707	28219	28778	29421
06/14 - 06/20	161	4486	30848	22745	539	11206	17446	20152	22786	25024	27032	27563	28559	29146
06/21 - 06/27	161	1799	29320	22259	532	10307	17325	21178	23398	24443	25694	26937	27776	28352
06/28 - 07/04	161	1383	29967	22961	495	11375	18516	21603	24067	25157	26249	27135	27903	28309
07/05 - 07/11	168	2660	29014	20762	528	10099	14137	17813	20739	22815	24431	25825	26816	27634
07/12 - 07/18	168	4032	28749	22304	406	15072	17717	20870	22241	24077	25006	26032	26633	27273
07/19 - 07/25	168	6498	29134	22105	412	13497	17619	20708	22792	24131	24979	25715	26416	27061
07/26 - 08/01	168	2590	27311	20872	441	12051	15788	18947	20679	22350	23861	25314	25804	26357
08/02 - 08/08	168	3812	27363	21217	377	14033	17126	19724	21571	22570	23462	24560	25253	25811
08/09 - 08/15	168	2677	25884	19417	450	9115	14877	17768	19556	20876	22588	23566	24390	25149
08/16 - 08/22	168	3551	24992	18887	411	9998	13887	17854	19144	20567	21753	22539	23208	24113
08/23 - 08/29	168	476	25393	17699	477	7101	11820	15262	17457	20239	21012	22153	23059	23877
08/30 - 09/05	168	1683	24820	18932	408	9691	14715	17777	19951	21300	21878	22479	22992	23403
09/06 - 09/12	168	2947	23266	17726	403	8030	14049	16209	18451	19783	20535	21447	21863	22267
09/13 - 09/19	168	2454	24000	16295	418	7354	11037	14840	16488	17834	19012	20212	21097	21559
09/20 - 09/26	168	1385	21425	16088	385	7537	12172	14751	16057	17753	19033	19740	20290	20589
09/27 - 10/03	168	222	21117	14279	415	6016	9441	11368	13898	15965	17641	18476	18903	19637
10/04 - 10/10	168	855	19910	14159	397	5452	9291	12071	14718	16327	17102	18021	18449	18919
10/11 - 10/17	168	1628	19392	13677	337	5866	10010	11915	13782	15246	16299	16927	17411	17804
10/18 - 10/24	168	618	17032	11906	356	3661	7124	10115	11540	13773	14443	15394	16079	16491
10/25 - 10/31	168	410	16354	11103	343	3482	6861	8801	10512	12697	13716	14788	15171	15535
11/01 - 11/07	168	700	15611	11280	286	5311	7271	10529	11659	12627	13371	13977	14288	14649
11/08 - 11/14	168	1260	14031	10302	281	4102	6957	9313	10688	11839	12587	13021	13236	13470
11/15 - 11/21	168	403	13663	9586	270	3959	5911	8602	9819	11127	11743	12207	12455	12773
11/22 - 11/28	168	325	12678	8829	261	3449	5128	7603	9268	10277	10881	11424	11700	11972
11/29 - 12/05	168	576	11834	8544	252	2408	4929	7394	9141	10118	10728	11003	11167	11305
12/06 - 12/12	168	339	12007	7401	258	2192	3513	5041	6794	8467	9713	10237	10605	10803
12/13 - 12/19	168	732	11259	7457	259	1663	3501	5011	7914	8829	9784	10172	10364	10560
12/20 - 12/26	168	714	10952	7057	252	1893	3154	5215	6498	7978	9106	9846	10272	10422
12/27 - 01/02	161	637	10881	7073	256	1941	3271	5089	6796	8157	9086	9736	10164	10518
01/03 - 01/09	161	647	11902	6707	288	1706	2186	3715	5192	7501	8959	9762	10574	10901
01/10 - 01/16	161	355	11954	7084	299	1645	2674	3986	6196	7658	9210	10506	11063	11389
01/17 - 01/23	161	502	13080	8243	304	1870	3581	5929	7594	9249	10934	11591	11803	12095
01/24 - 01/30	161	562	13842	9149	303	2480	5483	7631	8929	10418	11311	12163	12704	12970
01/31 - 02/06	161	475	14330	9291	337	2625	4612	6703	8430	10679	11522	13014	13517	13975
02/07 - 02/13	161	293	15772	9681	383	2696	4571	6006	7736	10434	12657	14222	14712	15230
02/14 - 02/20	161	956	16962	11298	403	2765	5260	8211	11043	13018	14727	15556	15938	16322
02/21 - 02/27	161	1369	18556	12168	413	3468	6007	8937	12369	13911	15335	16353	16941	17408

Table 7.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT CARIBOU, ME.
(STATION NO. 14607) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	992	16708	10338	300	4913	6523	7972	9236	10767	11986	13018	14263	14888
03/08 - 03/14	161	3500	18398	12540	311	6609	8630	10209	11522	13277	14601	15678	16259	16850
03/15 - 03/21	161	2658	20117	13259	380	5832	8375	10438	12384	14019	15599	17171	18172	18692
03/22 - 03/28	161	2313	21406	14339	413	6376	9113	11645	13441	14748	16840	18315	19644	20538
03/29 - 04/04	161	2478	23144	14780	491	5032	8383	9717	13344	15970	18942	20003	21112	21625
04/05 - 04/11	161	2480	24367	15091	490	6456	8752	11088	13421	14939	17523	20242	21882	22828
04/12 - 04/18	161	1609	25803	16427	551	6167	10209	12181	14185	16901	20328	22167	23620	24487
04/19 - 04/25	161	1668	26724	16484	618	4853	7721	10494	14690	17733	20476	23232	24770	25757
04/26 - 05/02	161	1865	27984	17834	614	6204	9867	13197	15341	17691	21644	24845	26124	27107
05/03 - 05/09	161	945	29310	16648	687	4012	6634	9066	13984	18356	21010	23362	25993	27195
05/10 - 05/16	161	1920	30402	18176	680	5278	9044	12817	15375	19505	21958	25249	27425	28628
05/17 - 05/23	161	2817	30452	17259	627	6150	8879	12022	15180	16924	19219	22348	25570	28071
05/24 - 05/30	161	2524	31373	19189	685	6897	9377	12922	15830	20909	23245	26176	28628	29655
05/31 - 06/06	161	1699	32156	17874	713	5246	8611	11716	14246	17209	21751	25548	27647	29802
06/07 - 06/13	161	1897	31822	20359	707	5853	10577	14775	18219	22845	25155	26952	29106	30374
06/14 - 06/20	161	3404	32843	21106	613	9016	14285	16858	19912	22206	25089	26606	28558	30211
06/21 - 06/27	161	2043	31660	19724	630	7181	12069	15026	17781	20502	22513	25434	27612	29785
06/28 - 07/04	161	1928	32305	20904	625	8077	13615	17362	19559	22255	24729	26408	28357	30068
07/05 - 07/11	168	2990	31757	20004	578	7882	12608	16422	18825	21083	23117	25684	27047	28970
07/12 - 07/18	168	2141	31174	20233	590	7331	13673	15951	18724	21730	23792	25559	27717	28842
07/19 - 07/25	168	2994	29652	20400	558	9258	13139	16856	18914	21964	24626	26344	27411	28154
07/26 - 08/01	168	2307	28571	18839	534	7340	12389	15379	17576	19606	22149	23687	25599	26824
08/02 - 08/08	168	1749	28159	18165	574	6702	10609	14510	16955	19991	21818	23702	25180	26670
08/09 - 08/15	168	2830	27195	17218	524	6505	9755	13104	15719	18627	20761	22591	23893	25060
08/16 - 08/22	168	1143	25585	17153	507	7184	10820	14261	16528	18715	20206	21659	23547	24443
08/23 - 08/29	168	1883	24779	15548	496	5805	9140	11404	14065	16230	18150	20712	21991	23097
08/30 - 09/05	168	1384	23239	14630	483	4287	7907	11829	13471	15474	17862	19190	20697	21730
09/06 - 09/12	168	1040	21925	13567	466	3912	6824	10846	12909	14570	16594	18090	19506	20444
09/13 - 09/19	168	1128	21253	13085	441	4113	6479	9774	12391	14457	16409	17824	18656	19261
09/20 - 09/26	168	318	18931	11033	401	3609	5390	7099	9612	11189	13309	14752	16765	17634
09/27 - 10/03	168	610	17268	10043	389	2805	4381	6458	8193	10494	12124	13738	15776	16465
10/04 - 10/10	168	330	16738	9178	345	2661	4230	6243	8317	9315	10648	12393	13848	14888
10/11 - 10/17	168	456	15772	7776	324	2076	3009	5001	6370	7613	9093	10848	12422	13149
10/18 - 10/24	168	408	15065	7303	285	1807	3337	4596	6334	7705	8974	10095	10772	11880
10/25 - 10/31	168	264	12182	6149	263	2033	2627	3494	4440	5363	6979	8764	10261	10858
11/01 - 11/07	168	294	12451	4843	209	1548	2160	2956	3592	4209	5287	6278	7595	8843
11/08 - 11/14	168	272	9340	4198	193	1560	1788	2287	2969	3490	4371	5582	6806	8059
11/15 - 11/21	168	303	8600	4107	177	1049	1676	2490	3030	3951	4634	5688	6388	7358
11/22 - 11/28	168	360	7515	3741	166	1065	1494	1970	2730	3411	4207	5502	6162	6641
11/29 - 12/05	168	303	7262	3731	139	1287	1909	2443	3059	3521	4253	4991	5523	6141
12/06 - 12/12	168	474	6980	3211	136	965	1314	1879	2334	3013	3601	4287	5009	5723
12/13 - 12/19	168	581	6421	3571	123	1264	2091	2404	2860	3463	4158	4913	5297	5565
12/20 - 12/26	168	463	6332	3448	128	1215	1581	2186	2653	3298	4095	4692	5276	5612
12/27 - 01/02	161	702	6429	3746	120	1516	2255	2652	3267	3863	4331	4780	5371	5681
01/03 - 01/09	161	694	7509	4145	127	1842	2570	3016	3478	4114	4861	5388	5750	6086
01/10 - 01/16	161	720	7548	4414	143	1675	2497	3196	3970	4542	5266	5744	6197	6535
01/17 - 01/23	161	1091	8437	4735	157	2066	2668	3206	3938	4699	5613	6280	6796	7260
01/24 - 01/30	161	953	9272	5578	176	2378	3182	4213	5119	5777	6865	7374	7745	8155
01/31 - 02/06	161	1217	10603	6809	182	2996	4342	5501	6740	7248	7923	8326	8948	9400
02/07 - 02/13	161	1467	11615	7435	215	3206	4715	5762	6999	7801	8823	9666	10037	10473
02/14 - 02/20	161	1692	12913	8668	227	4636	5958	6830	8019	9111	10203	10866	11400	12000
02/21 - 02/27	161	1730	14971	9354	270	4433	5855	6998	8290	9801	11262	12085	12635	13394

Table 8.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT CHARLESTON, SC.
(STATION NO. 13880) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	483	20945	13090	464	3807	6060	9414	12336	14830	16575	17851	18637	19094
03/08 - 03/14	161	1396	21495	14941	425	6100	9935	12567	14509	16797	18096	18720	19686	20379
03/15 - 03/21	161	1244	23031	15243	510	4275	7982	11654	15517	17404	18957	20257	21032	21647
03/22 - 03/28	161	1731	25577	16897	496	6227	11347	14572	17373	19041	20622	21519	22264	22890
03/29 - 04/04	161	1374	25552	17449	555	5190	10458	14510	18151	20035	21433	22805	23593	24048
04/05 - 04/11	161	2400	26426	18112	571	5771	10004	14774	18199	20743	22697	23696	24760	25268
04/12 - 04/18	161	1054	27966	20025	517	8242	14453	17924	20735	22581	23692	24431	25209	26097
04/19 - 04/25	161	4150	28184	21478	417	13409	17373	19446	21488	22946	24189	25109	26019	26708
04/26 - 05/02	161	2272	29303	20231	510	9572	15522	17972	20015	21873	23242	24630	25903	26907
05/03 - 05/09	161	2273	31080	21732	505	11445	16285	20344	22126	24115	24965	25782	26546	27741
05/10 - 05/16	161	2654	30159	21076	508	10303	15958	19023	21469	22752	23986	25115	26384	27736
05/17 - 05/23	161	2014	30053	21437	491	12501	15565	19754	22007	23237	24346	25598	26666	27494
05/24 - 05/30	161	3603	30540	20184	501	9435	15050	17381	19930	21503	22943	24205	25954	27183
05/31 - 06/06	161	5664	29672	21688	459	12138	16726	19469	21796	23539	24915	25774	26689	27128
06/07 - 06/13	161	4117	29487	21052	486	11493	15725	18397	20881	22651	24255	25538	26283	27306
06/14 - 06/20	161	2575	28084	20210	469	11230	14898	17171	19148	21644	23265	24205	25730	26771
06/21 - 06/27	161	3201	28257	20035	496	10086	13834	17245	20725	21756	23017	24068	25176	26739
06/28 - 07/04	161	7256	28712	22451	379	14094	18932	21061	22726	23854	25110	25838	26210	26935
07/05 - 07/11	168	5544	28592	20520	431	11168	14875	17712	20653	22413	23469	24543	25407	26496
07/12 - 07/18	168	4652	30703	19981	419	10704	14881	17725	19554	21245	22300	23766	24653	25923
07/19 - 07/25	168	5319	28503	20494	381	13276	15341	18380	20607	22060	23079	23837	24828	25491
07/26 - 08/01	168	3682	28463	19364	421	10943	13949	17103	19123	21055	21813	22985	24054	24839
08/02 - 08/08	168	5285	25971	18989	388	10866	14197	16986	18931	20990	21622	22549	23378	23746
08/09 - 08/15	168	3492	26007	17914	396	9588	13131	15647	17836	19505	20558	21509	22302	23058
08/16 - 08/22	168	5018	24236	18728	306	12108	15561	17217	18645	19917	20889	21532	21922	22250
08/23 - 08/29	168	3788	25282	16919	390	8785	12031	13788	16412	18595	19753	20722	21269	21987
08/30 - 09/05	168	4386	25811	17115	378	9014	13844	15640	16962	18723	19702	20340	21056	21921
09/06 - 09/12	168	3199	26748	16642	378	9078	12466	14464	16290	17631	18901	19615	20605	21842
09/13 - 09/19	168	2875	27091	15526	399	7055	10805	12576	15091	16807	18412	19531	20021	20718
09/20 - 09/26	168	2867	21681	14986	347	8123	11132	13067	14242	15688	17164	18130	19064	19867
09/27 - 10/03	168	455	21071	14105	376	6267	9546	11446	13676	15355	16518	17551	18571	19515
10/04 - 10/10	168	1912	19811	14675	328	9021	11489	13095	14727	15555	16622	17620	18319	19041
10/11 - 10/17	168	1747	18888	14124	348	6710	9680	12784	14679	15877	16732	17320	17834	18363
10/18 - 10/24	168	801	17852	12770	376	4375	7951	10255	13635	14992	15987	16465	16806	17185
10/25 - 10/31	168	844	17102	12359	321	5138	7763	10523	12504	14049	15106	15605	15882	16298
11/01 - 11/07	168	309	16266	11915	307	4979	7578	10818	12657	13680	14194	14752	15050	15397
11/08 - 11/14	168	2116	16246	10756	293	4284	6697	9194	11232	12581	12963	13423	13990	14254
11/15 - 11/21	168	1280	14736	10528	248	4810	7975	9778	10971	11444	12308	12701	13108	13403
11/22 - 11/28	168	560	13310	9487	265	3851	6366	7920	9952	10595	11485	12132	12554	12770
11/29 - 12/05	168	755	12768	9278	264	3629	5390	8180	9709	10698	11457	11879	12089	12263
12/06 - 12/12	168	460	12039	8034	267	2294	4373	6433	7753	8603	10259	10935	11408	11654
12/13 - 12/19	168	607	12220	8140	261	2390	4554	6687	7998	9114	10157	10755	11258	11527
12/20 - 12/26	168	927	12253	7856	249	2778	4470	5839	7141	8475	9459	10418	11208	11484
12/27 - 01/02	161	723	12321	7707	290	1915	3386	5122	7216	8800	10174	10579	11287	11514
01/03 - 01/09	161	738	12809	7944	296	1920	3639	5294	7155	8681	10173	11140	11687	11895
01/10 - 01/16	161	681	12903	7837	304	1945	3361	5250	6812	8088	9827	11347	11939	12290
01/17 - 01/23	161	588	14589	8839	310	2651	4641	6360	8199	9666	11407	12206	12592	12974
01/24 - 01/30	161	708	15020	9332	346	2124	4654	7147	8377	10531	12050	13233	13557	13930
01/31 - 02/06	161	817	16274	9569	369	2375	3725	6774	9104	10665	12178	13496	14266	14613
02/07 - 02/13	161	343	17766	11232	381	3652	5584	8368	10650	12887	14260	15173	15702	16019
02/14 - 02/20	161	1204	17981	11862	406	3469	5721	9060	11556	13648	15083	16063	16484	17007
02/21 - 02/27	161	846	20100	12122	443	3046	5584	8904	10629	13634	15147	17030	17574	18074

Table 9.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT COLUMBIA, MO.
(STATION NO. 03945) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	712	20675	12337	453	2987	5664	8840	11806	14706	15655	16768	17622	18375
03/08 - 03/14	161	62	20618	12331	470	3786	6130	7839	10599	12938	15114	17074	18640	19564
03/15 - 03/21	161	584	23222	13621	538	2834	5614	9392	12694	14755	17675	19117	20137	21172
03/22 - 03/28	161	456	23803	14462	542	4121	7761	9507	12511	16327	18437	20230	21238	22156
03/29 - 04/04	161	1147	24658	14608	569	4428	7086	9101	11501	15632	18644	20536	22023	23161
04/05 - 04/11	161	1219	26013	17743	584	5320	9846	14432	18300	20936	21922	23279	24422	24954
04/12 - 04/18	161	1831	27203	17201	586	5869	9763	11854	15289	18936	21860	23095	24522	25537
04/19 - 04/25	161	1749	29528	18433	600	6342	9618	14632	16452	19107	22846	24680	26008	26717
04/26 - 05/02	161	2439	29198	18995	600	7279	11390	14072	17627	20604	22994	24560	26741	27915
05/03 - 05/09	161	3305	30460	20663	597	8139	13343	17816	20486	22685	24543	26635	27686	28419
05/10 - 05/16	161	3237	31349	20869	621	7734	12845	16797	20386	23370	25432	27012	28134	29259
05/17 - 05/23	161	1372	30554	22034	595	9701	14942	19525	22208	24583	26327	27872	28519	29640
05/24 - 05/30	161	4063	32000	21618	591	10427	13975	16775	20224	23878	25413	27923	28860	29841
05/31 - 06/06	161	3150	32123	22068	585	10781	14829	18081	21925	24624	26024	27408	28889	30033
06/07 - 06/13	161	4243	31702	23187	539	12708	16402	20856	22728	25070	26852	27941	29083	30380
06/14 - 06/20	161	2728	31934	23939	515	14496	19260	21322	23546	25468	27542	28527	29182	30577
06/21 - 06/27	161	6014	33544	24616	515	13080	18998	22047	25073	27114	28424	29153	29868	30724
06/28 - 07/04	161	5114	32064	24977	440	16611	19654	23414	24982	26511	27900	29150	29658	30239
07/05 - 07/11	168	6691	32475	25154	441	16151	20134	23992	25527	26876	28121	29067	29818	30315
07/12 - 07/18	168	6397	32339	23762	478	12742	18132	22018	24345	25825	27076	28131	28750	29584
07/19 - 07/25	168	3167	30128	23127	462	14491	18169	21054	23741	25296	26479	27449	28001	28663
07/26 - 08/01	168	3840	30425	23133	457	13973	18646	21349	23753	25214	26080	27335	27916	28421
08/02 - 08/08	168	4674	28827	22047	483	11863	17272	19865	23160	24425	25562	26277	27098	27625
08/09 - 08/15	168	3730	29298	21715	457	11937	16961	20789	22646	23515	24765	25373	26436	26942
08/16 - 08/22	168	4682	28068	20986	419	11699	17656	19841	21684	22964	23631	24364	25226	25896
08/23 - 08/29	168	2706	27316	21114	375	14219	18531	20321	21644	22387	23374	24017	24668	25296
08/30 - 09/05	168	2368	25125	18565	438	10125	13933	16034	18992	20897	21868	22787	23423	23817
09/06 - 09/12	168	4023	24090	18520	393	10242	14626	18030	19082	20224	21159	22106	22636	22969
09/13 - 09/19	168	825	22665	15601	464	6154	9032	13047	16067	17843	18797	20037	21147	21713
09/20 - 09/26	168	1494	21559	14503	437	5456	8454	11444	13491	16201	17729	19142	19900	20473
09/27 - 10/03	168	2034	20782	15716	369	7708	11035	14713	16431	17957	18673	19067	19375	19772
10/04 - 10/10	168	477	19273	13757	421	3709	7147	12231	14925	16277	17336	17713	18096	18406
10/11 - 10/17	168	367	17622	12630	347	4735	8424	10783	12926	14211	15309	15859	16486	16892
10/18 - 10/24	168	1519	17298	12002	350	3602	6885	10291	12473	14159	14808	15344	15694	16131
10/25 - 10/31	168	1069	15566	10208	355	2956	4717	7276	9992	12028	13249	14193	14470	14794
11/01 - 11/07	168	968	14641	8836	320	2696	4083	5738	7773	9945	11341	12177	12998	13485
11/08 - 11/14	168	414	14043	8463	308	2128	3610	6146	7606	9899	10954	11934	12232	12566
11/15 - 11/21	168	408	12457	7454	291	1955	2886	4116	6389	8969	9715	10651	11217	11530
11/22 - 11/28	168	274	11280	7306	250	2256	3203	5104	7174	8242	9096	10070	10437	10798
11/29 - 12/05	168	276	11323	6673	252	1743	2901	4287	5859	7548	8739	9431	9943	10265
12/06 - 12/12	168	313	11499	5874	261	1273	1788	3110	4558	6107	7903	8746	9518	9811
12/13 - 12/19	168	253	11233	6071	232	1701	2778	3551	5045	6545	7612	8476	9266	9627
12/20 - 12/26	168	424	10844	5717	249	1396	2132	2925	4411	5572	7382	8327	8966	9983
12/27 - 01/02	161	639	10670	5992	250	1764	2325	3433	4658	6149	7336	8562	9539	10050
01/03 - 01/09	161	479	11157	6751	250	1580	3077	4923	6796	7853	8617	9264	9602	9989
01/10 - 01/16	161	1035	12805	6712	254	1771	3045	4280	6110	7197	8539	9230	9777	10397
01/17 - 01/23	161	623	12670	6654	289	1380	2379	3983	5405	7083	8298	9376	10385	11174
01/24 - 01/30	161	552	13581	7696	316	1993	3193	4134	6165	9013	10288	11056	11649	12094
01/31 - 02/06	161	666	15634	8227	343	2214	2973	4729	7030	8993	10527	11841	12570	13270
02/07 - 02/13	161	618	15603	9324	359	2470	4117	6310	7763	9957	12177	13259	13852	14587
02/14 - 02/20	161	645	17010	10599	368	3183	5566	7569	9689	11973	13137	14313	15017	15746
02/21 - 02/27	161	832	20978	10659	462	2475	3524	5248	9176	11664	14439	15680	16511	17015

Table 10.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT DODGE CITY, KA.
(STATION NO. 13985) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	1910	20733	14972	415	6656	9676	12835	15473	17018	18049	18827	19435	20043
03/08 - 03/14	161	1290	22628	15518	481	5177	9380	11940	16346	17764	19147	19979	20740	21559
03/15 - 03/21	161	2324	26885	17853	466	6967	13533	15919	18597	20143	21157	21838	22491	22938
03/22 - 03/28	161	1071	25350	18502	536	5333	12600	17203	20246	21388	22319	23128	23647	24021
03/29 - 04/04	161	514	28453	18819	577	6053	12870	16412	19210	21613	23060	24216	24940	25379
04/05 - 04/11	161	433	30349	20088	569	8377	13885	17353	20705	23003	24664	25391	25941	26531
04/12 - 04/18	161	2972	30375	21782	543	10667	15763	20216	23034	24470	25758	26627	27077	27714
04/19 - 04/25	161	3084	32448	22853	533	10894	17313	21437	24079	25287	26746	27562	28077	28528
04/26 - 05/02	161	2948	31072	22008	591	8859	15060	19513	22336	24906	26266	27498	28509	29043
05/03 - 05/09	161	515	31017	23249	638	7736	15757	21147	25281	26922	28247	28988	29429	29812
05/10 - 05/16	161	4520	32276	23703	595	10354	16491	20792	24689	27417	28441	29194	29911	30262
05/17 - 05/23	161	2749	31860	23587	647	10103	15556	21893	24760	27194	28587	29667	30168	30693
05/24 - 05/30	161	3252	33364	24765	555	14846	19280	22476	25287	27213	28436	29830	30466	30953
05/31 - 06/06	161	3400	32755	25086	565	12417	20255	23699	26065	27557	28727	29922	30595	31293
06/07 - 06/13	161	6749	32595	26377	452	16973	22383	25262	26336	27867	29293	30262	31067	31513
06/14 - 06/20	161	4473	33398	26701	517	15554	22054	25928	28159	29470	30252	30913	31307	31856
06/21 - 06/27	161	7514	33088	27664	406	20088	23760	26481	28797	30163	30644	31106	31256	31576
06/28 - 07/04	161	9482	34096	27838	367	21192	24562	27386	28418	29682	30270	30653	30977	31563
07/05 - 07/11	168	3813	34130	26299	465	17063	22299	25945	27700	28630	29298	29882	30371	30805
07/12 - 07/18	168	6356	30988	25575	416	17666	21984	24412	26365	27619	28350	29150	29766	30238
07/19 - 07/25	168	5111	31579	25276	419	16638	21471	23774	26111	27091	28225	29112	29537	29909
07/26 - 08/01	168	5988	30388	26064	312	19743	22783	25258	26678	27635	28164	28700	29020	29491
08/02 - 08/08	168	7211	30673	25358	370	18004	22921	25212	26226	27251	27883	28249	28555	28867
08/09 - 08/15	168	4347	29212	23868	427	15837	20494	23859	25125	26186	26628	27224	27600	28132
08/16 - 08/22	168	5772	28836	22252	442	12328	17938	20394	23335	24422	25419	26221	26806	27217
08/23 - 08/29	168	3304	28171	22255	428	14243	18367	21633	23414	24346	25087	25858	26364	26676
08/30 - 09/05	168	3656	27075	20921	474	9024	16077	20076	22399	23551	24612	25097	25400	25771
09/06 - 09/12	168	3747	25421	20746	413	12213	17220	20461	22316	23083	23781	24159	24340	24812
09/13 - 09/19	168	2006	25090	18369	482	7769	12482	16991	18804	21518	22223	22860	23202	23744
09/20 - 09/26	168	2230	24507	17322	485	5275	11000	15852	18862	20683	21316	21704	22044	22374
09/27 - 10/03	168	2569	21643	18370	332	11670	16962	18982	19954	20227	20414	20603	20812	21068
10/04 - 10/10	168	2105	20620	16746	355	9208	14552	17302	18322	18863	19101	19324	19563	19748
10/11 - 10/17	168	1396	19541	15029	354	7668	11056	13958	16273	17358	17755	18072	18348	18564
10/18 - 10/24	168	1017	18401	13859	338	6530	9889	13207	14987	15841	16506	16798	17070	17385
10/25 - 10/31	168	706	17181	12034	356	3639	7268	10538	12527	13901	14997	15384	15749	16143
11/01 - 11/07	168	826	15497	10988	337	3160	5947	9722	11736	13014	13830	14239	14505	14732
11/08 - 11/14	168	1119	14550	10984	269	5067	8385	10148	11539	12698	12968	13287	13577	13844
11/15 - 11/21	168	776	13658	9574	285	3534	5442	8241	10271	11470	12068	12332	12481	12785
11/22 - 11/28	168	1501	13112	9351	239	3863	6252	8353	9961	10644	11176	11602	11857	12025
11/29 - 12/05	168	613	12270	8831	231	3771	5987	7986	8923	10151	10692	11106	11324	11539
12/06 - 12/12	168	896	11884	8042	234	3248	4478	6385	8270	9360	9895	10367	10645	10908
12/13 - 12/19	168	1198	11767	8390	209	3774	6145	7544	8868	9641	10044	10228	10544	10730
12/20 - 12/26	168	899	11563	8167	223	2945	5266	7269	8600	9472	9957	10256	10384	10634
12/27 - 01/02	161	997	11526	8401	229	2976	5491	8056	9196	9597	10055	10412	10598	10837
01/03 - 01/09	161	1475	12198	8976	211	4684	6115	8264	9703	10268	10564	10786	11052	11230
01/10 - 01/16	161	1735	12114	9398	205	5531	7186	8693	9771	10409	10980	11290	11523	11673
01/17 - 01/23	161	1233	13925	8983	266	3704	5400	7183	8572	9988	10876	11641	12156	12405
01/24 - 01/30	161	1755	14430	10371	251	4870	7473	9147	10659	11635	12287	12694	12961	13272
01/31 - 02/06	161	1055	15410	11118	306	3885	7628	10400	11735	12729	13377	13906	14134	14432
02/07 - 02/13	161	988	17495	12074	337	4375	7506	11086	12528	14063	14860	15091	15443	15751
02/14 - 02/20	161	1785	17998	12667	368	4477	7676	11327	13012	14531	15493	16093	16518	17011
02/21 - 02/27	161	2408	19267	14287	357	6462	10137	12665	14814	16260	16968	17678	18081	18378

Table 11.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT EL PASO, TX.
(STATION NO. 23044) JUL.1952 - DEC.1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	7570	23340	19480	297	12907	16630	19010	20214	21322	21635	21909	22157	22516
03/08 - 03/14	161	6722	24606	20731	322	13525	18668	20693	21725	22180	22880	23194	23545	23766
03/15 - 03/21	161	4978	26497	21643	359	15385	18619	21176	22479	23691	24103	24469	24752	25065
03/22 - 03/28	161	10838	27668	23718	268	18987	21433	23020	23982	25053	25504	25910	26198	26472
03/29 - 04/04	161	9815	28303	24629	288	18495	21623	24347	25563	26179	26600	26903	27243	27627
04/05 - 04/11	161	9913	29457	26101	264	21037	23866	26029	26926	27347	27676	27972	28277	28680
04/12 - 04/18	161	9880	30825	26774	324	19907	25045	26974	27825	28309	28795	29133	29334	29734
04/19 - 04/25	161	6684	31992	27851	319	23576	26500	28048	28686	29298	29555	29921	30188	30530
04/26 - 05/02	161	7322	32244	27923	377	20032	26091	28176	29247	29893	30299	30595	30810	31170
05/03 - 05/09	161	12880	33031	29104	276	24167	27329	28526	29827	30433	30823	31102	31337	31838
05/10 - 05/16	161	4652	33496	29375	347	24566	26951	29584	30376	31076	31428	31672	32000	32406
05/17 - 05/23	161	13348	33976	30103	249	25877	28574	29604	30621	31058	31395	31846	32225	32702
05/24 - 05/30	161	11621	34040	29951	286	25058	28397	29512	30019	30962	31476	32102	32481	32971
05/31 - 06/06	161	9678	34013	30077	320	25049	28394	29821	30831	31373	31686	32141	32631	33227
06/07 - 06/13	161	10579	34295	30344	302	24609	28374	30262	30787	31580	31948	32678	33003	33395
06/14 - 06/20	161	17002	34704	31103	222	28047	30252	30711	31476	31697	32116	32485	32877	33234
06/21 - 06/27	161	8600	34090	30495	287	28319	29639	30297	31054	31390	31632	31969	32426	32779
06/28 - 07/04	161	7300	33955	29482	351	24416	27951	29579	30282	30869	31341	31640	32080	32770
07/05 - 07/11	168	9399	33753	27956	404	19189	24392	27265	29074	30055	30716	31187	31742	32296
07/12 - 07/18	168	10598	33125	28254	318	23495	25982	27508	29124	29689	30117	30479	30975	31736
07/19 - 07/25	168	11505	32958	27661	324	21166	24997	26621	28462	29161	29752	30228	30807	31381
07/26 - 08/01	168	11871	32361	26358	321	20330	22775	24514	26597	27715	28368	29041	29642	30548
08/02 - 08/08	168	6710	31211	26906	296	21901	24447	26054	27217	28139	28925	29284	29721	30226
08/09 - 08/15	168	15041	31232	26659	268	21647	23422	25524	27120	28130	28494	28836	29321	29886
08/16 - 08/22	168	10828	30543	25493	277	21150	23146	24324	25618	26416	27032	27754	28307	28793
08/23 - 08/29	168	7149	30034	25043	312	18385	22468	24399	25868	26567	27201	27548	27858	28205
08/30 - 09/05	168	3980	28746	24132	346	18528	21463	23989	24918	25837	26450	26739	27085	27367
09/06 - 09/12	168	8870	27440	23338	297	17737	21098	23037	24065	24838	25280	25600	25963	26305
09/13 - 09/19	168	6037	25974	22560	283	17028	20867	22521	23460	24093	24433	24629	24883	25185
09/20 - 09/26	168	3500	25090	21367	352	15052	18670	21715	22570	23466	23690	23998	24222	24467
09/27 - 10/03	168	3689	24500	20697	336	13829	19097	21124	21968	22656	22908	23078	23264	23423
10/04 - 10/10	168	4704	23558	20193	262	15815	18875	20482	21258	21574	21784	21947	22041	22314
10/11 - 10/17	168	2709	22473	19288	246	15510	17933	19613	20207	20517	20665	20899	21029	21343
10/18 - 10/24	168	3450	20859	17883	268	12924	17011	18380	18890	19241	19443	19693	19894	20055
10/25 - 10/31	168	2352	19759	16451	277	11026	14687	16507	17713	18018	18234	18404	18689	18926
11/01 - 11/07	168	2513	18556	15797	237	12017	14844	15951	16682	16982	17194	17289	17568	17808
11/08 - 11/14	168	1310	17251	14753	233	11051	13400	14885	15667	16009	16159	16337	16497	16671
11/15 - 11/21	168	4084	16600	13935	193	10479	12148	13653	14634	15078	15285	15427	15636	15857
11/22 - 11/28	168	1530	15466	12583	265	6183	10030	12926	13872	14186	14415	14573	14719	14962
11/29 - 12/05	168	2917	15371	12203	204	8080	10073	11983	12926	13347	13673	13926	14072	14197
12/06 - 12/12	168	1613	14506	11822	226	7673	10415	11950	12941	13151	13280	13460	13659	13795
12/13 - 12/19	168	1176	14051	11295	223	6365	9029	10697	12156	12654	13017	13219	13331	13456
12/20 - 12/26	168	2434	14090	11651	212	8162	10363	11599	12488	12895	13140	13228	13404	13533
12/27 - 01/02	161	1575	14886	11482	234	6129	8707	10991	12513	13110	13325	13390	13496	13697
01/03 - 01/09	161	2138	15045	11493	257	5651	8984	10850	12048	12954	13491	13722	13923	14062
01/10 - 01/16	161	3335	15478	12888	210	8612	11583	13131	13612	14000	14249	14411	14577	14684
01/17 - 01/23	161	2172	16214	12916	250	7830	10073	12338	13460	14420	14838	15139	15256	15462
01/24 - 01/30	161	2043	16919	14066	247	9146	12862	14078	14613	15296	15679	15901	16120	16290
01/31 - 02/06	161	2250	17986	14901	261	9048	13173	14359	15377	16100	16761	17022	17255	17462
02/07 - 02/13	161	2777	19319	15656	295	9691	13641	15103	16505	17147	17522	18014	18262	18591
02/14 - 02/20	161	4342	20742	17370	261	12295	15593	17097	18231	18685	18960	19360	19528	19927
02/21 - 02/27	161	3455	22051	18309	295	12954	16603	17962	19344	19798	20180	20494	20751	21073

Table 12.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT ELY, NV.
(STATION NO. 23154) DEC,1951 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	168	4506	20894	16047	327	8770	11948	14635	16229	17683	18590	19022	19589	20136
03/08 - 03/14	168	5231	22922	16970	331	10457	12905	14572	16597	18327	19320	20320	20811	21330
03/15 - 03/21	168	7350	24241	18985	346	11859	14761	16609	19361	20751	21769	22385	22729	23208
03/22 - 03/28	168	6770	26622	19573	388	11609	14330	17148	18816	20652	21954	23807	24442	25030
03/29 - 04/04	168	7340	28239	21168	419	12525	15354	18226	20385	23374	24614	25605	26011	26468
04/05 - 04/11	168	6249	28573	22015	436	13105	17262	19171	21456	23587	25213	26611	27219	27696
04/12 - 04/18	168	5836	30261	23130	452	14517	17628	20798	22848	24871	26098	27675	28358	28975
04/19 - 04/25	168	7808	31040	23317	475	13408	17169	20591	22982	24304	26111	27963	29451	29989
04/26 - 05/02	168	7499	33027	24819	492	14291	19110	21904	25125	26815	28575	29686	30532	31058
05/03 - 05/09	168	9584	33659	25395	455	15849	20233	22635	25359	26633	27750	29583	30938	31995
05/10 - 05/16	168	7992	33806	26414	478	16753	21427	24238	26431	27939	29996	30914	31741	32654
05/17 - 05/23	168	7814	34009	26217	472	16166	21056	24270	25913	27647	28992	30514	31603	33075
05/24 - 05/30	168	8682	34684	26559	468	17529	21030	24307	26528	28414	29128	30601	32152	33060
05/31 - 06/06	168	7281	35439	26732	522	15845	20796	23888	26854	28792	29699	31545	32599	33780
06/07 - 06/13	168	4630	35680	27363	553	16318	20528	24057	27711	29430	31665	32620	33242	34385
06/14 - 06/20	168	7985	35619	28293	476	19143	22453	26204	28709	30037	31210	32503	33454	34534
06/21 - 06/27	168	9798	35654	30102	395	23205	27188	28508	30601	32417	32796	33185	33881	34415
06/28 - 07/04	168	11275	35641	31215	315	25457	29077	30789	32079	32516	32730	33574	34025	34502
07/05 - 07/11	168	11828	34516	29564	345	22955	26058	28184	29927	31065	31968	32365	33318	33773
07/12 - 07/18	168	14395	33962	27398	401	19558	22348	24607	26452	28340	30173	31526	32380	33154
07/19 - 07/25	168	12709	34428	26702	378	20234	22213	24174	25897	27422	28639	30311	31175	32651
07/26 - 08/01	168	11738	32542	25488	362	19235	21018	23005	24103	26116	26914	28957	30177	31172
08/02 - 08/08	168	13626	32271	26420	354	19627	21421	24340	26105	27744	29210	30300	30593	30870
08/09 - 08/15	168	10839	30964	25488	321	19457	22242	24206	25120	26149	26986	28479	29459	30026
08/16 - 08/22	168	10276	30118	24277	368	16003	19870	22461	24260	25505	26728	27865	28626	29066
08/23 - 08/29	168	12375	28705	25346	256	20556	23111	24324	25607	26260	27230	27609	27906	28248
08/30 - 09/05	168	8259	27446	23985	325	16475	21181	24048	25027	25898	26316	26568	26850	27049
09/06 - 09/12	168	6453	26448	23025	285	16938	21232	22784	23863	24674	25010	25269	25483	25875
09/13 - 09/19	168	9145	25424	21918	308	15010	19006	21886	23413	23775	24045	24275	24581	24809
09/20 - 09/26	168	3091	23886	20690	302	15711	18507	20812	21778	22243	22609	22915	23173	23367
09/27 - 10/03	168	4336	22805	19654	257	14602	18019	19905	20600	20828	21227	21444	21678	21994
10/04 - 10/10	168	5753	21419	17666	262	12484	14814	17335	18383	19124	19584	19884	20167	20414
10/11 - 10/17	168	2125	19520	16464	277	10892	14147	16446	17385	18067	18335	18575	18820	19086
10/18 - 10/24	168	2846	18222	14794	270	9984	11627	14192	15561	16577	16840	17111	17402	17653
10/25 - 10/31	168	0	17081	13559	259	8083	10884	13483	14703	14971	15346	15628	15867	16208
11/01 - 11/07	168	3483	15488	12057	236	7125	9224	10884	12359	13304	13967	14248	14580	14928
11/08 - 11/14	168	1802	14002	10688	230	6265	7805	9138	10576	11710	12408	12909	13320	13674
11/15 - 11/21	168	2807	13995	9850	202	5571	7401	8492	9861	10811	11434	11782	12022	12363
11/22 - 11/28	168	3063	12218	9769	166	6103	8311	9332	10032	10634	11004	11234	11402	11584
11/29 - 12/05	168	1932	11466	8767	186	5050	6547	7814	8926	9811	10220	10509	10708	10909
12/06 - 12/12	175	2184	12128	8441	178	4746	5958	7567	8743	9335	9962	10152	10312	10522
12/13 - 12/19	175	2598	11095	8156	168	4435	5929	6986	7875	9121	9667	9952	10092	10245
12/20 - 12/26	175	1875	10737	7819	179	4285	5518	6218	7846	8597	9308	9649	9931	10093
12/27 - 01/02	168	2838	10878	8493	147	5336	6734	7556	8489	9143	9619	9965	10124	10282
01/03 - 01/09	168	2912	12502	8741	167	5031	6617	7553	8835	9502	10037	10354	10417	10694
01/10 - 01/16	168	2660	12419	8847	176	5566	6525	7648	8395	9532	10259	10658	10917	11179
01/17 - 01/23	168	1522	13217	9209	217	4540	6208	7982	9147	10094	10847	11351	11687	12018
01/24 - 01/30	168	2666	14497	10221	222	5354	7902	9325	10143	10996	11800	12392	12703	13013
01/31 - 02/06	168	2430	14889	11369	230	6238	8923	10427	11426	12464	13097	13474	13855	14103
02/07 - 02/13	168	2520	17900	11756	283	5775	7814	9542	11209	13324	14206	14652	14919	15278
02/14 - 02/20	168	4402	17612	13165	256	8158	9990	11378	12663	13809	14803	15580	16368	16855
02/21 - 02/27	168	4360	19254	14618	273	9480	11113	12696	14099	15599	16710	17420	17879	18316

Table 13.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT FT. WORTH, TX.
(STATION NO. 03927) JUL,1952 - JUL,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	154	1241	21554	14469	497	4483	7228	11542	14283	16714	18601	19540	19986	20517
03/08 - 03/14	154	1353	23729	15514	523	4791	8087	11846	15445	18188	19571	20766	21344	21705
03/15 - 03/21	154	2079	25690	16594	552	4888	8873	12283	16675	19235	21474	21975	22535	22999
03/22 - 03/28	154	3292	25121	17460	534	7141	9851	13269	16529	19837	22028	23195	23619	23937
03/29 - 04/04	154	1329	26169	17715	592	6508	10363	13430	16658	19981	22505	24019	24612	25252
04/05 - 04/11	154	1225	27070	18955	581	7201	11932	15390	18995	21972	23263	24600	25274	25664
04/12 - 04/18	154	1951	27861	18743	630	5622	10144	13675	17652	20920	23300	25630	26174	26675
04/19 - 04/25	154	2337	28086	18594	598	6486	11202	14271	18056	19801	22521	24439	25934	26898
04/26 - 05/02	154	832	29078	17542	693	5655	7820	11771	14783	17291	22291	25316	26778	27731
05/03 - 05/09	154	637	30069	20572	619	7832	12886	16525	20077	22602	25892	26802	27185	28339
05/10 - 05/16	154	1310	30095	20454	637	8039	13722	16339	19949	22802	24816	26452	27465	28460
05/17 - 05/23	154	3481	30609	22273	525	12399	16529	19729	22113	24145	25522	26786	27845	29048
05/24 - 05/30	154	2888	31038	23203	477	13671	18407	20790	22900	24809	26101	26770	27928	30071
05/31 - 06/06	154	4874	31059	23348	468	14415	18663	20732	22634	24786	26339	27509	28487	29752
06/07 - 06/13	154	5924	31583	24344	437	15985	20838	22580	24272	26045	27126	27829	28441	29677
06/14 - 06/20	154	2525	31052	24548	478	15222	21635	23288	25389	26593	27288	27849	28671	29785
06/21 - 06/27	154	7664	30835	25173	422	16557	21604	24877	25942	27025	27568	28128	29212	30125
06/28 - 07/04	154	8254	31185	25464	398	17527	23189	25022	26250	27011	27531	28038	29051	30023
07/05 - 07/11	161	6007	30484	25520	376	17981	23205	24502	26106	27136	27888	28353	28829	29797
07/12 - 07/18	161	7305	30457	24004	434	14181	19007	23375	24860	25947	26904	27697	28099	29060
07/19 - 07/25	161	6042	29766	23629	421	15071	19778	22448	23648	25285	26229	27305	27836	28423
07/26 - 08/01	154	3183	29571	24301	428	15871	22198	24362	25416	26164	26566	27065	27806	28439
08/02 - 08/08	154	6206	28580	23992	358	17796	21150	23624	24377	25531	26008	26809	27392	27872
08/09 - 08/15	154	4414	27954	22521	406	15174	18131	21100	22830	24690	25388	25907	26399	26918
08/16 - 08/22	154	7522	26876	22203	360	15178	19356	21286	22930	24093	24651	25020	25451	25902
08/23 - 08/29	154	2859	26140	21674	345	16171	19136	21328	22080	23043	23684	24198	24719	25383
08/30 - 09/05	154	3637	26835	20398	399	12057	16790	19524	20968	22056	22999	23520	24103	24784
09/06 - 09/12	154	2081	24660	19512	434	9927	15455	18915	20685	21541	22233	23049	23442	23854
09/13 - 09/19	154	3480	24118	18304	427	8484	14125	17468	18949	20250	20893	21958	22449	22909
09/20 - 09/26	154	1756	22961	16502	442	7676	11473	14379	15891	17892	19528	20827	21468	21884
09/27 - 10/03	154	1144	22482	17107	427	6977	13021	16225	18571	19441	20435	20695	20949	21183
10/04 - 10/10	154	879	20801	15849	432	6139	10890	13959	16988	18684	19330	19717	20000	20184
10/11 - 10/17	154	424	19769	14281	425	5254	8835	12100	14667	16548	17372	18330	18840	19232
10/18 - 10/24	154	1500	19239	14734	359	7005	10881	13840	15570	16936	17509	17795	17994	18195
10/25 - 10/31	154	1195	18986	12579	408	4128	7344	9339	12605	15273	16030	16484	16768	17157
11/01 - 11/07	154	899	16498	11634	393	3150	6303	9222	12499	13935	14960	15442	15696	16010
11/08 - 11/14	154	883	15540	11241	364	4038	6038	8211	11530	13689	14479	14836	15086	15234
11/15 - 11/21	154	995	14864	9917	353	2827	4948	6500	9621	11913	13045	13549	13964	14261
11/22 - 11/28	154	1245	14295	9882	332	2183	6119	8338	9816	12012	12563	13004	13301	13480
11/29 - 12/05	154	650	14350	9119	333	2225	4158	6053	9337	11287	12187	12552	12672	12823
12/06 - 12/12	154	513	12848	8598	340	1809	2942	5943	8163	10538	11925	12183	12361	12470
12/13 - 12/19	154	878	12746	8439	311	2590	3637	5852	7746	10157	11387	11785	11960	12149
12/20 - 12/26	154	1139	12620	9216	278	2956	5715	8492	9483	10804	11511	11912	11996	12127
12/27 - 01/02	154	801	12935	8266	316	1829	3906	5698	7811	9446	10835	11740	12057	12196
01/03 - 01/09	154	905	13929	8655	335	2060	3387	5821	8175	10469	11671	12191	12464	12660
01/10 - 01/16	154	1022	13615	9321	324	2610	4373	6137	9976	10950	12012	12634	12872	13094
01/17 - 01/23	154	947	14778	8666	356	2318	3255	4880	7773	9757	11230	12565	13273	13608
01/24 - 01/30	154	916	15352	9811	395	1926	3742	6185	8860	12110	13160	13821	14414	14718
01/31 - 02/06	154	1193	16384	10641	399	2838	4672	6880	10175	12545	13926	14938	15230	15712
02/07 - 02/13	154	1087	17387	12543	402	4086	6919	10959	13697	14863	15765	16236	16536	16904
02/14 - 02/20	154	1362	18431	11472	471	2726	4867	6532	9227	13708	15626	16781	17344	17778
02/21 - 02/27	154	1062	19771	12846	476	3739	6004	8707	11583	14658	16662	17873	18609	19043

Tab 14.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT FRESNO, CA.
(STATION NO. 93193) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	4492	20323	15551	307	8735	12021	14075	15724	17281	17766	18248	18807	19113
03/08 - 03/14	161	3538	22199	16404	350	9413	11984	13960	17043	18025	19095	19661	20167	20500
03/15 - 03/21	161	2532	23364	18513	381	10070	15628	18355	19780	20478	21140	21368	21789	22210
03/22 - 03/28	161	1167	26071	19257	419	9858	14415	17908	19924	21778	22645	22930	23361	23708
03/29 - 04/04	161	4847	27222	21304	389	13207	17645	20924	22578	23375	24126	24381	24885	25246
04/05 - 04/11	161	5605	31805	22183	464	12317	17147	21467	23639	25005	25496	25649	26051	26810
04/12 - 04/18	161	6787	29736	23754	418	14570	19638	23095	25306	26185	26739	27145	27475	27845
04/19 - 04/25	161	7746	30000	24805	417	15735	21407	24314	26436	27205	27621	28029	28511	28844
04/26 - 05/02	161	4343	30906	26528	419	18923	24723	27343	28130	28740	29105	29238	29463	29697
05/03 - 05/09	161	7098	31822	26298	442	16537	21464	26367	28156	28896	29614	29832	30098	30391
05/10 - 05/16	161	8254	31825	27941	369	20778	25797	28758	29236	29696	30121	30452	30674	30861
05/17 - 05/23	161	6594	33498	29135	331	24632	28125	29509	30018	30526	30937	31189	31372	31715
05/24 - 05/30	161	6958	33214	29512	353	24697	28479	29927	30619	31284	31599	31728	31870	32217
05/31 - 06/06	161	9695	34923	29730	348	23353	28153	29669	30719	31221	31811	32097	32282	32991
06/07 - 06/13	161	11763	34071	29989	363	23492	28074	30466	31341	31760	32226	32463	32618	33203
06/14 - 06/20	161	9059	34301	31652	212	29826	30917	31414	32147	32535	32555	32566	32914	33401
06/21 - 06/27	161	18730	34769	31889	156	30250	30938	31542	31923	32395	32456	32510	33072	33676
06/28 - 07/04	161	23951	34002	31873	98	30518	30920	31291	32059	32201	32279	32351	32647	33209
07/05 - 07/11	168	13893	34930	30819	228	28091	30180	30516	31199	31784	31961	32063	32263	32861
07/12 - 07/18	168	17276	33533	30722	167	28758	30025	30372	31071	31294	31410	31596	31720	32411
07/19 - 07/25	168	19353	32979	30438	118	29017	29683	30053	30628	30878	30963	31114	31256	31525
07/26 - 08/01	168	7083	32302	29092	281	24819	28823	29484	29802	30150	30342	30548	30753	31377
08/02 - 08/08	168	6891	31983	28617	244	25644	28369	28789	29190	29449	29623	29817	30049	30466
08/09 - 08/15	168	13183	30703	28118	167	25874	27511	27894	28497	28671	28874	29043	29283	29693
08/16 - 08/22	168	16053	29331	27440	135	26190	26780	27257	27561	27850	27992	28205	28405	28760
08/23 - 08/29	168	7485	28409	26135	193	24722	25865	26276	26479	26638	26791	26971	27262	27490
08/30 - 09/05	168	6616	27090	24870	243	24075	24751	25148	25427	25580	25763	26000	26135	26406
09/06 - 09/12	168	3532	26062	23583	202	21659	23197	23722	24026	24264	24444	24624	24851	25148
09/13 - 09/19	168	2628	25100	22348	243	20620	22312	22781	22969	23136	23340	23526	23712	23898
09/20 - 09/26	168	12319	23666	21469	113	20538	21139	21421	21543	21722	21890	22165	22339	22536
09/27 - 10/03	168	10390	22734	19880	154	17503	19480	19928	20283	20455	20674	20821	20978	21251
10/04 - 10/10	168	5749	20653	17694	226	13365	16356	17939	18566	18875	19086	19300	19481	19836
10/11 - 10/17	168	2834	19402	16525	238	12157	15267	16917	17380	17686	17867	18053	18281	18524
10/18 - 10/24	168	4415	18065	15163	193	11353	14331	15381	15746	15990	16244	16438	16755	17008
10/25 - 10/31	168	2937	16684	14107	190	10594	13429	14476	14836	15026	15160	15259	15483	15730
11/01 - 11/07	168	1614	15118	12161	238	6667	9945	12180	13030	13510	13785	13991	14352	14568
11/08 - 11/14	168	1899	14256	10665	244	4966	7762	9604	11384	11936	12568	12907	13057	13414
11/15 - 11/21	168	1356	13581	9423	230	4528	6264	7923	9387	10289	11351	11769	12024	12290
11/22 - 11/28	168	1293	12672	8669	227	3918	5219	7233	8749	9770	10501	11071	11334	11547
11/29 - 12/05	168	682	12073	7519	238	3304	4354	5053	6170	8051	9742	10235	10576	10831
12/06 - 12/12	168	1683	11072	6640	217	2833	3803	4289	5385	6803	7353	8892	9669	10231
12/13 - 12/19	168	1345	10911	6142	225	2188	3043	4123	4603	5985	7231	8418	9458	10026
12/20 - 12/26	168	628	10524	5895	221	2044	3122	4110	4465	5510	6671	7796	9277	9827
12/27 - 01/02	161	1246	10770	6921	219	3259	4118	4622	6204	7389	8058	9384	9943	10149
01/03 - 01/09	161	614	11687	6711	235	3054	3678	4263	5101	6693	7966	9571	10058	10288
01/10 - 01/16	161	1174	11939	6978	244	2516	3856	4540	5602	6975	8643	9426	10131	10869
01/17 - 01/23	161	649	12136	7409	245	3119	4415	5367	6200	7281	8942	9510	10743	11471
01/24 - 01/30	161	1628	12845	8675	258	4056	5123	6063	7799	9276	10350	11535	12047	12432
01/31 - 02/06	161	1472	14099	8557	279	3946	5332	5799	6804	8592	9559	11116	12741	13243
02/07 - 02/13	161	1502	15527	10275	325	3543	5850	8025	9905	11515	12766	13689	14154	14632
02/14 - 02/20	161	1294	17461	12189	316	5361	8052	10376	12276	13624	14300	15142	15617	16154
02/21 - 02/27	161	2369	18551	14162	281	8137	11375	13057	14645	15632	16254	16736	16940	17230

Table 15.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT GREAT FALLS, MN.
(STATION NO. 24143) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	2938	16439	11526	256	6318	9177	10389	11530	12197	12972	13507	14300	14999
03/08 - 03/14	161	3029	18446	12208	297	6784	8897	10432	11463	12968	13894	14571	15581	16595
03/15 - 03/21	161	1848	19666	13712	331	7521	9661	11705	13108	14461	15487	16903	17548	18472
03/22 - 03/28	161	3622	21854	14807	378	7263	9612	12934	14607	15753	17291	18388	19011	19946
03/29 - 04/04	161	3215	23091	15508	393	8008	11097	12596	14604	16500	17269	18864	20319	21480
04/05 - 04/11	161	2094	24418	16390	440	7062	11452	13688	15464	17604	19176	20321	21490	22888
04/12 - 04/18	161	2430	25823	17417	496	8349	10423	14084	16045	18635	20931	22531	23513	24426
04/19 - 04/25	161	3321	27526	17709	467	9586	12137	13916	16016	18390	20294	21941	23327	24940
04/26 - 05/02	161	3081	30125	17313	552	7328	10554	12694	15042	17024	19958	22128	24615	26540
05/03 - 05/09	161	1760	29271	19314	582	7740	11817	15007	18160	21029	23067	24443	26519	27923
05/10 - 05/16	161	1715	30869	21099	571	9463	14884	17546	21115	22986	24880	26016	27501	28656
05/17 - 05/23	161	1990	33113	21312	639	7114	13472	18106	21363	23525	25472	27051	28410	30294
05/24 - 05/30	161	2182	34021	22383	592	11116	15256	19463	22125	24067	26072	27405	29024	30605
05/31 - 06/06	161	2165	32123	22610	631	9540	15036	19719	22272	24459	26342	28828	29977	31035
06/07 - 06/13	161	2791	33932	22622	614	9850	15802	19857	22103	23482	26257	27877	29745	31262
06/14 - 06/20	161	2423	33335	24546	577	12592	18612	22390	24433	26477	28612	29660	30925	32009
06/21 - 06/27	161	4440	33067	24709	595	11027	18252	22440	25233	27095	28698	30052	31101	31899
06/28 - 07/04	161	4670	33399	25906	569	12399	21895	24873	26395	28505	29730	30802	31631	32145
07/05 - 07/11	168	3818	33878	26893	459	18322	22781	25471	27171	28987	30116	30962	31459	31934
07/12 - 07/18	168	5436	32060	26527	439	17497	22322	25200	27050	28729	29751	30569	31036	31309
07/19 - 07/25	168	7121	31429	26419	398	18828	23391	25893	27161	28059	29095	29796	30151	30605
07/26 - 08/01	168	9825	30653	25570	365	18916	21689	24902	26380	27439	28081	28525	29111	29581
08/02 - 08/08	168	3946	29961	24175	363	17554	21229	23006	24273	25500	26228	27034	27680	28597
08/09 - 08/15	168	5242	28379	22817	395	14711	18626	21335	23150	24654	25824	26448	26782	27236
08/16 - 08/22	168	2989	27000	21253	450	11119	17175	19798	22155	23324	24757	25440	25709	25990
08/23 - 08/29	168	4440	25538	20130	361	13370	15776	18464	20353	21342	22540	23601	24170	24564
08/30 - 09/05	168	3469	23922	18112	423	8507	13626	15883	18478	20208	21412	22325	22762	23239
09/06 - 09/12	168	2969	22548	16817	412	7604	11648	14768	17151	18748	20086	20596	21257	21866
09/13 - 09/19	168	1866	21083	15541	386	7656	10467	13561	15486	17550	18446	19372	19791	20426
09/20 - 09/26	168	2139	19361	14306	352	6889	9971	12418	14113	15992	17241	17934	18232	18637
09/27 - 10/03	168	1529	18041	13110	319	6620	9454	11726	12949	14468	15557	15998	16586	17197
10/04 - 10/10	168	2163	16262	11564	286	5472	7958	9838	11558	12583	13480	14247	15010	15529
10/11 - 10/17	168	1261	14891	10372	263	5628	7347	8254	9675	11271	12428	13074	13416	13946
10/18 - 10/24	168	1077	13234	9064	229	4790	5982	7690	8743	9682	10604	11019	11809	12271
10/25 - 10/31	168	1516	11972	8221	208	3957	5497	7049	8045	8772	9456	10185	10660	11169
11/01 - 11/07	168	571	10446	6863	201	2596	4128	5584	6353	7652	8264	8802	9267	9729
11/08 - 11/14	168	617	9637	5939	160	2957	4059	4732	5232	6005	6840	7509	7949	8303
11/15 - 11/21	168	827	8443	5457	147	2526	3372	4435	5379	5961	6436	6889	7215	7487
11/22 - 11/28	168	811	7537	4667	132	2225	2858	3608	4463	4945	5439	5868	6087	6652
11/29 - 12/05	168	1389	6740	4335	109	2402	2855	3368	3862	4568	4927	5267	5761	6050
12/06 - 12/12	168	680	6702	3936	114	1735	2542	2960	3469	4158	4584	4969	5243	5797
12/13 - 12/19	168	960	6691	3677	109	1676	2106	2815	3501	3853	4247	4563	4932	5403
12/20 - 12/26	168	791	6821	3760	104	1720	2554	2927	3353	3972	4324	4562	4936	5440
12/27 - 01/02	161	416	6201	3740	109	1874	2382	2937	3290	3934	4345	4732	5034	5378
01/03 - 01/09	161	1154	6771	4130	110	2138	2721	3294	3678	4278	4684	5141	5507	5897
01/10 - 01/16	161	1050	7801	4474	122	2313	3036	3464	3967	4443	4997	5556	6080	6416
01/17 - 01/23	161	651	9269	4956	138	2508	3264	3936	4508	4911	5484	6289	6692	7087
01/24 - 01/30	161	1612	9225	5624	157	2624	3887	4411	4956	5741	6184	6979	7517	8203
01/31 - 02/06	161	1466	11018	6350	172	3216	4329	5245	5844	6409	7187	7920	8476	8930
02/07 - 02/13	161	1518	11303	7414	197	3601	5125	6029	6760	7510	8835	9503	9783	10244
02/14 - 02/20	161	1237	12377	8422	209	4488	6254	7263	7897	8602	9372	10399	10773	11634
02/21 - 02/27	161	2815	14194	9826	221	5530	7043	8244	9381	10845	11270	11798	12267	12778

Table 16.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT LAKE CHARLES, LA.
(STATION NO. 03937) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	1226	22181	13093	452	4580	7681	9489	11924	13849	15087	16994	18971	20350
03/08 - 03/14	161	1320	22824	13801	470	5599	7890	9628	11492	14152	16627	18649	20163	21026
03/15 - 03/21	161	1224	24088	15921	484	6530	9584	12930	15065	17106	19222	20914	21992	22573
03/22 - 03/28	161	2593	24694	15786	548	5730	7610	10723	13765	17351	20062	22219	22752	23329
03/29 - 04/04	161	2227	25666	17536	496	8087	11394	14232	16209	18660	21304	22682	23646	24120
04/05 - 04/11	161	1038	26562	16660	553	6172	9581	11537	14945	17445	19946	22518	23940	24719
04/12 - 04/18	161	1810	27011	17995	528	7734	11864	14912	16115	18776	20958	23167	24784	25623
04/19 - 04/25	161	304	27844	18440	493	9068	12010	14719	17161	20162	21824	22711	24121	25332
04/26 - 05/02	161	2303	27568	18019	494	9134	11906	14818	17071	18605	20562	22108	23937	25714
05/03 - 05/09	161	2899	28360	20470	500	10913	14940	18171	20813	21976	23370	24923	25763	27098
05/10 - 05/16	161	2126	30375	20907	480	11618	15962	18217	20842	22144	23751	25036	26035	27136
05/17 - 05/23	161	119	29718	21608	483	12494	16142	19001	21636	23566	24755	25892	26533	27545
05/24 - 05/30	161	4913	29833	22093	428	13588	17978	20610	21981	23479	24443	25570	26423	27397
05/31 - 06/06	161	2772	29032	22622	450	12546	19381	22310	23661	24669	25474	26041	26773	27084
06/07 - 06/13	161	4788	29433	22701	417	13619	18970	21273	23456	24768	25461	25929	26608	27305
06/14 - 06/20	161	4316	29755	22263	441	13526	18138	20728	22558	23962	25106	26019	26590	27473
06/21 - 06/27	161	1994	29021	21854	428	14391	17500	20480	22543	23663	24802	25402	25941	26692
06/28 - 07/04	161	3795	29248	21621	435	14139	17150	19201	21785	23600	24540	25195	26095	26895
07/05 - 07/11	168	6555	30301	21639	413	11798	17825	19870	21673	23229	24221	25209	25720	26525
07/12 - 07/18	168	3500	30242	19991	438	10920	15319	18127	20146	21522	22904	23581	24606	25409
07/19 - 07/25	168	5263	28658	19166	413	10853	14418	16223	18700	20217	21005	22969	24163	25096
07/26 - 08/01	168	5901	27733	19534	404	11586	14386	17314	18933	20901	22367	23154	23858	25307
08/02 - 08/08	168	4512	27873	20221	421	11627	15765	18798	20939	21973	22705	23471	24328	25660
08/09 - 08/15	168	3331	27453	19048	414	11153	14200	17429	19081	20631	21837	22681	23258	24399
08/16 - 08/22	168	2607	26461	18990	396	11128	13907	17059	18938	20609	21840	22556	23337	24050
08/23 - 08/29	168	1479	25366	16990	440	8308	11034	14231	16431	18189	19897	21429	22237	23364
08/30 - 09/05	168	1874	24821	17596	404	8782	13111	15282	17447	19570	20594	21233	21793	22794
09/06 - 09/12	168	3827	23727	17394	388	8934	13604	14964	17177	18989	20092	20939	21588	22661
09/13 - 09/19	168	3428	22946	16760	373	8558	12304	14508	16605	18114	19346	20110	20947	21773
09/20 - 09/26	168	1914	22161	16422	389	8303	11356	14804	16892	18233	19323	20068	20654	21057
09/27 - 10/03	168	2455	21764	16620	347	9017	13259	16301	17161	17849	19063	19675	20098	20492
10/04 - 10/10	168	2344	21605	15827	338	8594	12476	14621	16062	17190	17919	18885	19463	19962
10/11 - 10/17	168	708	19848	14821	350	6697	11497	13573	15065	16424	17554	18182	18484	18782
10/18 - 10/24	168	3793	18909	14985	266	9605	11891	13944	15482	16356	16903	17429	17756	18055
10/25 - 10/31	168	1261	18151	12720	348	4644	8889	10867	12851	14219	15008	16437	16670	17129
11/01 - 11/07	168	2081	16614	11250	324	4708	7059	8704	10125	12236	13642	14702	15539	15903
11/08 - 11/14	168	904	15711	11114	320	3999	6712	9460	10790	12687	13584	14492	14890	15181
11/15 - 11/21	168	629	14827	10023	312	3369	5442	7676	9619	11123	12518	13396	13960	14198
11/22 - 11/28	168	1276	14234	9333	294	3618	4959	6961	8713	10144	11662	12345	13229	13418
11/29 - 12/05	168	47	13952	9143	302	2795	4638	6992	8873	10305	11408	12683	12841	13088
12/06 - 12/12	168	99	13266	8202	313	2498	3648	5296	6729	8896	10608	11971	12550	12758
12/13 - 12/19	168	576	13233	7809	313	1910	3027	4638	6767	8434	10159	11036	11992	12434
12/20 - 12/26	168	548	13159	7975	285	2581	4067	5580	6920	8409	9516	11118	11927	12317
12/27 - 01/02	161	381	13197	7337	303	1954	3207	4526	5732	7289	8854	10097	11636	12368
01/03 - 01/09	161	573	13291	7312	327	1763	2464	4273	5741	6941	8797	10894	12211	12702
01/10 - 01/16	161	327	13931	8582	332	2520	3803	5461	6645	9221	11407	12427	12991	13331
01/17 - 01/23	161	290	15354	7900	324	2473	4027	4929	6320	7424	8589	10480	12572	13734
01/24 - 01/30	161	772	15676	9333	342	3135	5198	6679	7589	9481	10745	12513	14181	14798
01/31 - 02/06	161	1079	16650	9970	370	3443	4890	6265	8216	10264	12235	14001	15095	15797
02/07 - 02/13	161	912	18107	11884	398	4455	6414	8513	11184	13419	15188	16306	16664	17003
02/14 - 02/20	161	1127	21600	10987	431	2863	5287	7381	9030	10824	12922	15431	17168	17946
02/21 - 02/27	161	1400	20107	12290	462	2725	6576	8378	10972	13028	15637	17441	18300	18927

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT MADISON, WS.
(STATION NO. 14837) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	959	19212	10835	418	2872	4640	7187	9695	11877	13987	14994	16067	16650
03/08 - 03/14	161	1372	21181	12187	435	4292	5743	7629	10239	13249	15130	16511	17714	18523
03/15 - 03/21	161	1955	21164	13317	452	4747	7189	9615	11536	14224	16344	18512	19187	19605
03/22 - 03/28	161	1555	22813	14227	480	4770	7814	10481	12929	16061	17614	19182	20050	20672
03/29 - 04/04	161	1314	24253	13827	527	3572	6812	9349	11881	13951	16923	19307	20607	21909
04/05 - 04/11	161	2458	25620	16156	531	6300	8741	11573	14997	16609	19532	21894	22958	23933
04/12 - 04/18	161	1180	26548	16473	599	5593	7571	11498	13710	17819	21350	23206	24191	24857
04/19 - 04/25	161	1235	27552	16552	627	5514	8294	10549	13047	16978	21490	23784	24990	25943
04/26 - 05/02	161	2404	28026	16985	633	4965	7427	12218	14123	18418	21081	23885	25513	26536
05/03 - 05/09	161	1659	29788	19140	583	6745	11808	15311	18532	20690	22865	24621	25976	27296
05/10 - 05/16	161	1800	29362	19520	650	6669	9868	14801	18583	22016	23993	26360	27476	28267
05/17 - 05/23	161	2080	31593	20719	622	7384	12605	16637	20537	22913	24741	26318	28115	28924
05/24 - 05/30	161	2275	30922	19756	632	8281	10695	13933	19209	21087	23321	26392	27883	29114
05/31 - 06/06	161	2155	32803	21849	554	11317	14369	18074	20240	23724	25948	27029	28043	29379
06/07 - 06/13	161	3683	31231	21381	572	9703	14672	17030	20040	23496	25316	27348	28091	29059
06/14 - 06/20	161	5770	31914	22045	518	12354	14764	17936	21371	23122	25392	26981	27814	29639
06/21 - 06/27	161	3287	32227	22584	581	10130	14781	18547	23291	25123	26685	27987	29127	29860
06/28 - 07/04	161	3312	32502	22040	554	11098	15099	19054	21307	23589	25570	26975	28293	29502
07/05 - 07/11	168	6249	31463	22894	463	13824	16222	20000	22974	24716	25922	27171	28155	29253
07/12 - 07/18	168	4506	31400	21949	486	10708	16291	19911	21664	24101	24976	26412	27432	28187
07/19 - 07/25	168	6232	31712	22521	458	12595	17008	20828	23118	24809	25467	26447	27137	28096
07/26 - 08/01	168	2755	30359	20480	468	11157	14384	17756	20562	22455	23499	24557	25594	26661
08/02 - 08/08	168	5371	28299	20241	445	10665	14956	16807	20595	21687	23324	24330	25355	26228
08/09 - 08/15	168	5168	28371	20689	406	12380	15524	18812	20817	22117	23113	24282	25068	25961
08/16 - 08/22	168	4328	25670	19218	413	10727	14411	16653	19563	21488	22021	23037	23630	24447
08/23 - 08/29	168	4278	27294	17912	455	7599	11243	15440	18635	20263	21221	21894	22885	23674
08/30 - 09/05	168	2688	24958	17301	406	8517	12182	15371	16876	18778	19958	20896	21821	22744
09/06 - 09/12	168	1364	23498	16410	438	6976	9305	14911	17523	18734	19411	20211	20780	21543
09/13 - 09/19	168	926	21954	13713	465	4213	7292	10277	12504	15283	16938	18454	19424	20224
09/20 - 09/26	168	2010	20422	13121	398	4929	7574	9496	12323	14083	16176	17144	18151	18755
09/27 - 10/03	168	2003	18924	13251	352	5831	8872	10913	12418	15232	16144	16729	17248	17753
10/04 - 10/10	168	472	19033	11612	373	3871	6837	8101	11167	13764	14647	15349	15973	16498
10/11 - 10/17	168	1271	17035	11115	317	4134	6620	8869	11162	13136	13669	14165	14458	14862
10/18 - 10/24	168	218	14879	9362	318	2839	4920	6488	9087	10541	11986	12638	13234	13746
10/25 - 10/31	168	544	13539	8016	292	2313	3860	4979	6854	8167	10288	11145	11873	12437
11/01 - 11/07	168	34	12449	6626	277	1765	2463	3813	5128	6958	8365	9518	10468	11082
11/08 - 11/14	168	145	11014	6361	244	1681	2769	3978	5779	6664	7778	8785	9644	10284
11/15 - 11/21	168	324	9889	5099	220	1543	2264	3060	3450	4429	5732	7274	8278	9235
11/22 - 11/28	168	4	9009	4982	209	1173	1981	2882	3862	4848	6162	7095	8007	8426
11/29 - 12/05	168	534	9021	4633	197	1352	1947	2627	3288	4486	5551	6740	7607	7971
12/06 - 12/12	168	12	8895	4283	188	1097	1710	2397	3081	4134	5202	6304	7003	7455
12/13 - 12/19	168	197	8260	4611	168	1350	2231	3166	3845	4701	5461	6453	6996	7277
12/20 - 12/26	168	34	8082	4223	174	1121	1601	2374	3490	4210	5142	5839	6736	7194
12/27 - 01/02	161	482	7903	4583	175	1543	2307	2790	3666	4549	5491	6310	7019	7375
01/03 - 01/09	161	663	8241	5430	175	1900	2853	4024	5119	6092	6766	7150	7529	7758
01/10 - 01/16	161	708	9214	5756	178	2283	3414	4156	5286	6221	6771	7519	7980	8362
01/17 - 01/23	161	544	9664	5767	223	1585	2751	3631	4778	6157	7600	8244	8748	9022
01/24 - 01/30	161	392	11104	6521	235	2109	3297	4184	5817	7070	7999	8968	9612	9976
01/31 - 02/06	161	1235	11873	7650	234	3337	4558	5706	7145	8176	8980	9902	10713	11135
02/07 - 02/13	161	913	13474	8521	274	3234	4593	6452	7847	9066	10477	11412	11836	12428
02/14 - 02/20	161	562	14493	9539	289	4164	5581	7318	8722	10661	11642	12438	13063	13473
02/21 - 02/27	161	2372	16456	10140	331	3709	5528	7587	8908	10930	12477	13846	14296	14861

Table 18.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT MEDFORD, OR.
(STATION NO. 24225) DEC,1951 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	168	1619	16857	10481	329	4784	6163	7218	8348	10124	12032	13659	15426	16249
03/08 - 03/14	168	1375	18749	11974	332	5811	7465	9292	10883	12663	14003	14990	16113	17137
03/15 - 03/21	168	2753	20723	13442	361	6504	8595	9628	12363	14240	15537	17181	18227	19053
03/22 - 03/28	168	4212	21202	14602	397	6633	9052	11095	13190	15797	17229	19162	19790	20394
03/29 - 04/04	168	3334	23601	16427	395	8463	11542	13607	15149	17269	19134	20744	21394	22074
04/05 - 04/11	168	5108	25860	17522	387	10138	12517	14253	16671	18744	20584	21400	22435	22990
04/12 - 04/18	168	5938	26212	17932	418	10051	12280	14239	16248	18860	20557	22414	23379	24224
04/19 - 04/25	168	5943	27360	19642	387	12398	14791	16465	18699	20676	22044	23349	24481	25431
04/26 - 05/02	168	3957	28789	20737	456	11656	14237	17024	19720	22432	24512	25774	26340	26771
05/03 - 05/09	168	5295	28353	21304	479	11150	14323	18130	20548	23207	25087	26180	27246	27593
05/10 - 05/16	168	6755	30444	23303	464	13412	16794	20802	24196	25740	26989	27827	28354	28718
05/17 - 05/23	168	3743	30365	23263	477	13587	17357	19504	22202	25817	27619	28133	28816	29314
05/24 - 05/30	168	5547	30719	24696	488	14018	19867	23304	25257	27495	28653	29300	29589	29923
05/31 - 06/06	168	4515	31366	24665	511	13462	17813	21941	25677	27887	28802	29666	30137	30383
06/07 - 06/13	168	6508	31333	24854	474	14523	18697	23113	24968	26621	28700	29467	30236	30618
06/14 - 06/20	168	8900	31634	26727	437	16642	22506	26074	28405	29437	30094	30577	30802	30958
06/21 - 06/27	168	6895	31720	26413	452	16464	21709	24678	27191	29571	30231	30591	30845	31119
06/28 - 07/04	168	7180	31543	27765	373	20669	24800	27832	29524	30082	30373	30629	30735	30835
07/05 - 07/11	168	10108	31455	28485	303	23187	27495	29159	29898	30085	30286	30453	30570	30763
07/12 - 07/18	168	10735	32763	28389	288	24421	27458	29396	29702	29820	29936	30028	30161	30280
07/19 - 07/25	168	12229	30207	28320	202	25987	28230	28771	28996	29126	29275	29414	29540	29712
07/26 - 08/01	168	6250	29666	26918	317	22123	26374	27939	28173	28414	28543	28665	28807	28999
08/02 - 08/08	168	7588	28655	26258	267	21549	26249	26991	27354	27504	27619	27740	27899	28035
08/09 - 08/15	168	4798	27715	25461	245	22157	25069	26140	26263	26435	26601	26751	26916	27171
08/16 - 08/22	168	4769	27257	23297	314	17262	21263	23609	24635	25068	25293	25608	25775	25965
08/23 - 08/29	168	5765	25559	21692	335	14230	19423	22046	23042	23632	23896	24084	24409	24738
08/30 - 09/05	168	7128	24103	20998	265	15073	19579	21500	21936	22313	22555	22827	23095	23449
09/06 - 09/12	168	6554	22588	19426	246	14463	17325	19446	20516	20720	21021	21301	21585	21987
09/13 - 09/19	168	1743	21040	17184	331	9289	14125	17007	18504	19209	19501	19788	20162	20354
09/20 - 09/26	168	3030	19963	16836	265	11336	15709	17407	17951	18270	18452	18565	18754	19061
09/27 - 10/03	168	3967	18828	15360	277	8837	13338	15969	16679	17012	17132	17402	17616	17874
10/04 - 10/10	168	2191	17081	12476	307	6177	7746	10227	12112	14054	15104	15795	16099	16396
10/11 - 10/17	168	1321	15598	11645	264	5478	8352	10673	11562	12812	13745	14229	14555	14898
10/18 - 10/24	168	1924	14459	10064	237	5237	6825	8246	9707	10606	11736	12566	12910	13440
10/25 - 10/31	168	2042	13315	8712	209	4995	5919	7324	8156	8952	9672	10635	11425	12027
11/01 - 11/07	168	1613	12020	7402	223	3509	4448	4997	6445	7533	8389	9726	10534	11057
11/08 - 11/14	168	1001	10620	5586	181	2669	3418	4117	4629	5100	5749	6762	7773	9475
11/15 - 11/21	168	716	10008	5520	168	3048	3478	4016	4677	5253	5836	6686	7627	8858
11/22 - 11/28	168	690	8971	4614	160	1960	2703	3157	3647	4139	4829	5788	6368	7943
11/29 - 12/05	168	572	8188	4105	142	1805	2489	3081	3425	3717	4021	4831	5813	6825
12/06 - 12/12	175	375	8297	4251	145	2031	2368	2943	3332	4042	4528	5208	6215	7135
12/13 - 12/19	175	761	7423	3623	131	1547	2109	2545	2881	3207	3565	4330	5424	6499
12/20 - 12/26	175	328	8181	3656	119	1710	2340	2873	3196	3289	3727	4088	4750	6032
12/27 - 01/02	168	723	7902	3911	131	1938	2387	3033	3274	3516	4050	4546	5148	6368
01/03 - 01/09	168	583	8101	4038	146	1865	2487	2874	3185	3607	3985	4773	5764	7216
01/10 - 01/16	168	1221	8588	4113	138	2097	2517	2999	3353	3647	4043	4860	5547	6630
01/17 - 01/23	168	444	9791	4747	181	1964	2620	3100	3786	4026	4926	5855	7185	8345
01/24 - 01/30	168	671	10971	5515	180	2792	3331	3851	4363	5068	5543	6831	7978	9106
01/31 - 02/06	168	1352	11510	6367	197	3138	3902	4685	5250	5869	6654	7806	8914	10193
02/07 - 02/13	168	1296	12843	8028	228	3874	5139	6328	7038	7847	9110	10415	11317	11739
02/14 - 02/20	168	439	14027	8248	254	3832	5221	6076	6959	8043	9031	10339	11116	13012
02/21 - 02/27	168	2093	15844	10159	272	4799	6674	8234	9419	10432	11612	12806	13828	14236

Table 19.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT MIAMI, FL.
(STATION NO. 12839) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER DAS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	4119	22134	16982	306	11617	14172	15699	16895	17944	18775	19536	20006	20940
03/08 - 03/14	161	3458	23277	18016	322	12346	14659	16594	18080	19270	20016	20614	21249	21903
03/15 - 03/21	161	1678	24685	18757	385	10818	15009	17499	19348	20333	21383	21946	22458	23119
03/22 - 03/28	161	3975	24823	18751	374	11509	15690	17284	18721	19774	21118	21796	22638	23480
03/29 - 04/04	161	2769	25797	19708	362	13072	15840	17151	19660	20903	21785	22854	23530	24636
04/05 - 04/11	161	3305	26429	20321	387	12526	16446	18812	20652	21860	22699	23620	24403	25117
04/12 - 04/18	161	4036	27655	21464	333	15286	17920	19927	21331	22446	23520	24379	24994	25606
04/19 - 04/25	161	5974	27954	21444	322	15672	18263	20021	21164	22041	22893	23956	24998	25585
04/26 - 05/02	161	5010	28348	21536	358	15820	19333	20497	21496	22331	23366	24163	24924	25976
05/03 - 05/09	161	3129	28063	21315	381	13643	17618	20136	21413	22279	22970	24251	25259	26473
05/10 - 05/16	161	8257	29264	21745	375	15393	18250	19345	21189	22694	23665	25022	25804	26820
05/17 - 05/23	161	2536	28543	20896	379	13804	16599	18864	20121	21014	22734	24369	25214	26792
05/24 - 05/30	161	5973	28205	19897	416	11936	15186	17475	18881	20547	22651	23761	24726	25328
05/31 - 06/06	161	5432	29588	19255	452	10790	13853	16411	17823	20264	21803	23418	24657	25829
06/07 - 06/13	161	5434	27959	19137	436	12139	13873	15949	17882	20056	21626	22778	24676	25542
06/14 - 06/20	161	3718	28484	19286	443	11590	13468	16009	17897	20329	21624	23327	24497	25793
06/21 - 06/27	161	5402	27121	19659	384	12898	14933	17245	18563	19828	21374	23696	24509	25110
06/28 - 07/04	161	4840	27063	20223	384	12736	16499	18452	19932	21303	22482	23426	24547	25631
07/05 - 07/11	168	6637	28329	19960	331	13673	15899	18042	19586	21069	21851	22622	23758	24848
07/12 - 07/18	168	6754	27249	20269	321	13976	16735	18843	20085	20993	22312	22930	23908	24651
07/19 - 07/25	168	1431	26202	19983	333	13581	16451	18795	20104	21003	21897	22885	23573	24279
07/26 - 08/01	168	9073	26542	19723	298	13379	16066	17837	19403	20593	21516	22290	23073	23819
08/02 - 08/08	168	6143	25936	19183	300	13484	15927	17615	18835	19959	21073	21885	22564	23308
08/09 - 08/15	168	5883	26995	18342	277	13092	15120	16639	18110	18876	19555	20407	21466	22496
08/16 - 08/22	168	8191	23647	18240	243	13584	15527	16352	17663	18688	19443	20189	21095	21967
08/23 - 08/29	168	9119	23488	18368	242	13111	16421	17226	18111	19129	19661	20311	20911	21803
08/30 - 09/05	168	5779	24067	17253	310	10928	13996	15916	17264	18038	18592	19943	20784	21598
09/06 - 09/12	168	4504	23751	16456	325	10639	12559	13968	15679	17048	18738	19578	20409	21123
09/13 - 09/19	168	4290	23358	16769	323	10192	13072	15311	16494	17943	18862	19772	20452	20987
09/20 - 09/26	168	4781	22815	15854	331	9249	12146	14272	15551	16742	17831	18814	19551	20633
09/27 - 10/03	168	5287	21233	16088	277	10404	12974	14545	16134	17007	17746	18556	19175	19845
10/04 - 10/10	168	5296	21022	15411	272	9841	12528	13914	14776	15925	16992	17680	18487	19445
10/11 - 10/17	168	2183	21009	15126	317	8491	11809	13944	15718	16574	17225	17719	18216	19037
10/18 - 10/24	168	4455	19627	14260	297	8081	10632	12190	14077	15023	15953	16897	17647	18874
10/25 - 10/31	168	3029	18836	14055	277	8681	11286	12754	14111	15157	15585	16399	17176	17845
11/01 - 11/07	168	5044	17745	14047	223	9253	11783	13217	13928	14823	15467	16043	16492	17053
11/08 - 11/14	168	3850	16914	12656	237	7953	10366	11495	12365	13362	14002	14533	15383	16023
11/15 - 11/21	168	848	16445	12444	214	8845	10119	11488	12427	13131	13648	14179	14700	15255
11/22 - 11/28	168	2590	16726	12040	225	7890	9826	10922	11864	12534	13350	14068	14639	15137
11/29 - 12/05	168	4427	15252	11660	205	7622	9527	10528	11594	12137	12756	13269	14316	14666
12/06 - 12/12	168	2548	15195	11610	204	7402	9726	10593	11379	12380	13001	13468	13810	14286
12/13 - 12/19	168	2240	15168	11502	211	7671	9394	10388	11540	12227	12778	13234	13772	14362
12/20 - 12/26	168	1703	15673	11425	223	7236	9608	10382	11231	12078	12647	13218	13731	14416
12/27 - 01/02	161	1900	15147	11627	208	7561	9869	10646	11657	12094	12653	13202	13938	14440
01/03 - 01/09	161	2449	15682	11337	247	6611	8493	9879	11061	12278	12811	13493	14160	14764
01/10 - 01/16	161	1130	16031	11722	278	6329	8538	10513	12014	12825	13576	14140	14706	15156
01/17 - 01/23	161	1642	17104	11694	267	6267	8878	10174	11327	12210	13360	14025	14784	15501
01/24 - 01/30	161	2843	17619	13000	265	8058	10182	11633	12999	13691	14477	15240	16119	16573
01/31 - 02/06	161	2416	18969	13449	282	8207	10342	12243	13171	14062	14949	15899	16616	17337
02/07 - 02/13	161	2858	20630	14690	269	9977	12128	13148	14443	15408	16019	17073	17575	18369
02/14 - 02/20	161	3267	20588	15352	290	9791	13144	14222	15029	16029	16897	17902	18495	19018
02/21 - 02/27	161	3877	21556	15785	316	9612	12411	14345	15708	16303	17464	18459	19248	20099

Table 20.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT NASHVILLE, TN.
(STATION NO. 13897) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	900	19925	11128	482	2835	4456	6034	8556	11256	14016	16540	17841	18868
03/08 - 03/14	161	591	20875	11934	498	3086	4840	6867	9349	12154	14907	17146	18928	19654
03/15 - 03/21	161	1194	22661	12965	536	3667	4857	7596	10728	13997	16341	19042	20123	21029
03/22 - 03/28	161	1394	23161	14431	538	4300	6563	8515	12573	16348	18201	19823	21435	22245
03/29 - 04/04	161	2095	25289	15425	580	3805	6697	10658	13775	17274	19994	22048	22704	23165
04/05 - 04/11	161	1827	25431	16106	584	4533	7399	11214	14272	18370	20266	21996	23562	24420
04/12 - 04/18	161	2551	26943	17824	551	6627	10359	13635	16955	19768	21701	23368	24604	25458
04/19 - 04/25	161	2288	27139	18890	534	8155	12241	15805	18244	20420	22409	24253	25505	26235
04/26 - 05/02	161	2375	28117	18461	599	7383	10407	13379	15633	19895	23114	24889	25948	27118
05/03 - 05/09	161	4138	29359	20702	551	8783	13198	17973	21261	23545	24329	25393	26996	27635
05/10 - 05/16	161	3367	29407	19131	592	7793	10316	13897	18543	21334	22817	24994	26512	27503
05/17 - 05/23	161	3276	30135	21765	501	11883	15662	19665	22020	23792	24990	25985	27333	28260
05/24 - 05/30	161	4423	30835	21732	489	12300	16626	19302	21251	23119	24700	25842	26965	28465
05/31 - 06/06	161	4623	30868	21697	493	11223	16263	19421	21719	23292	24760	25686	27103	28339
06/07 - 06/13	161	4518	30548	21672	476	12007	16617	18441	20680	22968	24785	25939	27355	28123
06/14 - 06/20	161	3455	31008	22919	492	13249	18614	21493	23404	24617	25806	26984	27576	28845
06/21 - 06/27	161	5549	34446	22398	422	13950	17140	20666	22431	23662	25002	25639	26712	27833
06/28 - 07/04	161	8960	30092	22843	396	15111	18731	20840	22476	24062	25715	26355	26867	28019
07/05 - 07/11	168	7760	31199	22160	402	14562	17614	19491	21357	23198	24369	25556	26698	28164
07/12 - 07/18	168	2430	30083	21404	417	13628	17085	18371	20609	22394	24086	25034	26229	27302
07/19 - 07/25	168	4140	28818	20579	402	12991	15778	18601	19688	21609	23134	23989	25346	26078
07/26 - 08/01	168	7168	28652	20873	389	12730	16426	19120	20847	22346	23670	24306	24983	25656
08/02 - 08/08	168	4746	27667	21049	343	13328	18198	19973	21242	22079	22846	23700	24467	25508
08/09 - 08/15	168	3920	27833	19454	403	11526	14670	16797	19278	20797	22156	23104	24045	24828
08/16 - 08/22	168	3864	26620	19042	378	11532	15366	16933	18940	20198	21332	21956	22998	24313
08/23 - 08/29	168	6110	25158	19595	321	13010	16283	18624	19626	20572	21572	22294	22837	23750
08/30 - 09/05	168	2824	24324	18004	362	11452	12859	15651	17441	19065	20344	21528	22341	23409
09/06 - 09/12	168	3314	24094	16968	417	7764	11433	15546	17234	18948	19581	20625	21729	22549
09/13 - 09/19	168	3418	22514	15427	415	6456	9866	12798	14800	16925	18291	19524	20609	21196
09/20 - 09/26	168	1519	21729	14863	417	6129	9856	12478	14980	16633	17593	18890	19973	20449
09/27 - 10/03	168	1384	20404	14269	418	4929	9010	12071	14683	16411	17273	18196	19092	19474
10/04 - 10/10	168	1112	19039	13505	378	5207	7987	11291	13783	15448	16597	17094	17716	18228
10/11 - 10/17	168	1104	18082	13128	335	6046	9125	11572	13446	14652	15548	16081	16802	17296
10/18 - 10/24	168	709	17381	12488	358	4736	8063	11409	13730	14638	15362	15736	16040	16368
10/25 - 10/31	168	1184	16510	10562	338	3402	5363	7819	10521	12220	12885	14001	14611	15089
11/01 - 11/07	168	602	15159	9319	327	3034	4524	6243	8570	10597	11853	12747	13470	13924
11/08 - 11/14	168	331	14116	8709	329	2352	3584	5301	8279	10463	11399	12364	12698	13195
11/15 - 11/21	168	683	12868	7746	311	1840	3022	4456	6616	8789	10474	11409	11723	12217
11/22 - 11/28	168	664	12096	6612	278	1446	2579	3773	5577	6421	7914	9490	10684	11231
11/29 - 12/05	168	439	11902	7215	264	1798	3203	4956	6542	8309	9125	9968	10581	10845
12/06 - 12/12	168	177	11290	5816	271	1074	1873	2789	4216	5931	6961	8852	9711	10317
12/13 - 12/19	168	303	10586	6001	267	1442	2049	2979	4323	5781	8181	9370	9833	10123
12/20 - 12/26	168	616	10972	5527	263	1285	1841	2615	3317	5186	7074	8271	9568	9972
12/27 - 01/02	161	95	10733	5573	269	988	1747	2782	3740	5306	7371	8343	9313	10069
01/03 - 01/09	161	293	11170	6264	280	1133	1954	3399	4751	6675	8090	9022	10184	10558
01/10 - 01/16	161	276	12296	6668	297	1282	2480	3615	5473	6855	8958	9906	10682	11111
01/17 - 01/23	161	503	12692	6272	316	1349	1896	2669	4102	5529	8054	9594	10992	11588
01/24 - 01/30	161	78	13107	7138	333	1460	2287	3210	5700	7383	9049	10577	11889	12414
01/31 - 02/06	161	287	14677	7328	375	1412	2310	3187	4469	6127	8553	12430	12892	13477
02/07 - 02/13	161	277	15784	9232	374	2270	3569	6055	8168	9950	12015	13254	13919	14692
02/14 - 02/20	161	917	17603	9894	391	3073	4449	6334	8317	9610	11986	14115	15385	15868
02/21 - 02/27	161	1215	18370	10599	461	2217	3877	5543	8807	12146	14346	15695	16608	17241

Table 21.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT NEW YORK, NY.
(STATION NO. 94728) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	629	19018	9463	416	1868	3792	5213	7547	10013	11875	13050	14457	16425
03/08 - 03/14	161	350	21484	11035	495	1741	2923	6125	10146	12651	14681	16053	16866	18099
03/15 - 03/21	161	324	21814	11738	497	1962	3973	8253	10555	13336	15336	16425	17585	19085
03/22 - 03/28	161	210	22453	14215	506	3295	7199	11289	14507	16418	17691	18892	20021	20759
03/29 - 04/04	161	505	23586	13587	546	2984	6058	9178	11424	15177	16848	19002	20685	21768
04/05 - 04/11	161	732	24844	14879	560	2788	7452	11994	15120	16342	17664	19924	21719	23133
04/12 - 04/18	161	676	25394	15788	581	3882	6747	12252	15663	17251	19794	20990	22738	23892
04/19 - 04/25	161	1147	28924	15991	601	3805	7596	11881	14869	17197	19225	22040	23798	24683
04/26 - 05/02	161	478	28765	16522	658	4050	6502	10708	15509	18533	21364	22858	24926	25821
05/03 - 05/09	161	952	29587	17708	654	3997	8465	13402	17922	19875	22857	24043	25495	26152
05/10 - 05/16	161	1309	28815	18383	589	7043	10856	14739	17953	20009	21953	23538	25354	26737
05/17 - 05/23	161	1661	29810	19015	617	5681	10633	16411	18618	21437	22800	24663	25695	27388
05/24 - 05/30	161	1649	32934	19574	647	6549	10418	15936	19160	21717	23773	25432	26906	28246
05/31 - 06/06	161	2747	30960	20324	569	8025	14082	17310	20607	22830	24011	25147	26379	27631
06/07 - 06/13	161	2232	30720	19562	614	8141	10510	14748	19394	22362	23873	24866	26247	27886
06/14 - 06/20	161	2874	33012	19321	598	7365	11544	15101	17844	21320	23115	25002	26158	27851
06/21 - 06/27	161	1666	31777	18303	637	6031	9051	13796	17336	20181	22399	24200	25818	27208
06/28 - 07/04	161	2016	29883	20571	524	9980	14469	18043	20444	22233	23960	24757	26370	27627
07/05 - 07/11	168	1901	30777	19884	514	9837	14300	17520	18924	20884	22545	24467	25765	27249
07/12 - 07/18	168	2218	29323	19322	533	7257	12266	16091	19325	21740	22832	23861	25178	26629
07/19 - 07/25	168	950	28347	18217	516	7493	11481	15298	17414	19397	21297	22759	24307	25785
07/26 - 08/01	168	2354	28029	17775	465	7618	12392	15130	17619	19192	19890	21165	22891	24942
08/02 - 08/08	168	1802	27241	17402	521	5579	10425	14855	17374	19618	20603	21737	23092	24487
08/09 - 08/15	168	1319	28202	17247	468	7572	11547	14000	16504	18543	20228	21427	22772	24222
08/16 - 08/22	168	1185	27140	16606	447	7095	11427	14397	15791	18028	19497	20600	21584	22675
08/23 - 08/29	168	1449	24604	16496	454	7009	11101	14407	16783	18454	19537	20226	21155	22716
08/30 - 09/05	168	1607	23532	15485	444	6956	10118	12173	14689	17176	17866	19740	20994	22216
09/06 - 09/12	168	1065	25110	15074	452	6094	8262	11116	15171	16846	18398	19279	20254	21174
09/13 - 09/19	168	986	22819	13225	451	3761	6909	9801	13531	14632	16291	17652	18417	19517
09/20 - 09/26	168	515	21084	12969	411	3615	7127	10947	12853	14243	15891	17214	17721	18259
09/27 - 10/03	168	782	19616	11608	422	2698	5078	9372	11375	13024	14535	15627	16296	17113
10/04 - 10/10	168	665	21624	11609	350	4635	6514	9145	11866	12955	13893	14749	15650	16143
10/11 - 10/17	168	568	17404	10501	315	3660	7310	8827	10241	11422	12627	13218	14093	14619
10/18 - 10/24	168	716	14695	9449	311	2204	5330	7269	8992	10644	11741	12549	13126	13713
10/25 - 10/31	168	336	13729	8351	299	2296	4281	5893	7161	9417	10646	11398	11975	12548
11/01 - 11/07	168	0	14003	6679	281	1257	2400	4206	5928	7245	8395	9430	10012	11106
11/08 - 11/14	168	0	11746	6344	261	1109	2473	4539	5583	7148	7943	9007	9617	10263
11/15 - 11/21	168	84	10702	5867	237	1327	2337	3747	4979	6423	7367	8274	9027	9596
11/22 - 11/28	168	84	10710	5483	204	1306	2689	4042	4908	5913	6700	7426	8071	8468
11/29 - 12/05	168	108	9586	5337	209	1007	2268	3394	5218	5999	6600	7363	8009	8305
12/06 - 12/12	168	21	8677	4330	204	659	1318	2258	3223	4634	5451	6431	6960	7816
12/13 - 12/19	168	0	9667	4548	197	892	1544	2761	3905	4889	5538	6342	7142	7762
12/20 - 12/26	168	0	8357	4349	208	503	1223	2155	2992	4927	5932	6473	7192	7635
12/27 - 01/02	161	0	8783	4695	207	719	1513	2865	3811	5247	6148	6757	7326	7692
01/03 - 01/09	161	256	9666	5138	215	1011	1741	3232	4675	5506	6346	7277	7960	8253
01/10 - 01/16	161	60	10248	5549	241	862	1768	3350	5325	6339	7297	8116	8543	8832
01/17 - 01/23	161	62	10565	5826	235	1158	2426	3626	5278	6514	7480	8070	8539	9245
01/24 - 01/30	161	159	11946	6002	268	994	2008	3194	5096	6606	7752	8457	9364	10105
01/31 - 02/06	161	59	12473	6859	297	1129	2438	4969	5848	7363	8470	9779	10673	11403
02/07 - 02/13	161	326	14331	7587	318	1103	3218	5014	6782	8332	9341	10745	11496	12398
02/14 - 02/20	161	377	16538	8656	338	2308	3414	5637	7992	9476	10546	12010	12976	13555
02/21 - 02/27	161	631	15742	9417	369	1964	4114	6349	8523	10255	11938	13211	14160	14717

Table 22.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT N. OMAHA, NB.
(STATION NO. 94918) JUN,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	126	2299	19395	11882	461	3573	6188	8661	10804	12546	14518	16113	16968	17870
03/08 - 03/14	126	1471	19991	12719	479	4018	6767	9574	11746	13485	15661	17187	18059	18572
03/15 - 03/21	126	1435	21795	14694	488	6012	8848	11943	13919	15793	17704	18774	20060	20877
03/22 - 03/28	126	1237	22884	15187	541	5363	8168	11564	15535	17401	18371	19533	20722	21602
03/29 - 04/04	126	1234	24581	15243	603	4484	8212	11615	13597	15650	17548	21193	22445	23259
04/05 - 04/11	126	1593	26261	17660	603	7167	9784	14073	17428	19681	21551	22767	23604	24794
04/12 - 04/18	126	2010	26976	18097	683	6415	9732	12742	18277	21127	22358	24157	25338	26039
04/19 - 04/25	126	1678	27810	18915	648	6290	11950	15901	19343	21073	22778	23658	25282	26530
04/26 - 05/02	126	1383	30054	18865	723	5749	10243	14203	18363	21292	23662	25240	26938	27694
05/03 - 05/09	126	2837	29150	19844	719	5432	12302	16564	18923	22518	24738	26368	27194	27891
05/10 - 05/16	126	2060	30072	21124	709	8491	13851	16538	20456	23882	25697	27056	28495	29299
05/17 - 05/23	126	2949	30915	21586	671	9377	13970	17835	21936	23734	25215	27320	28433	29405
05/24 - 05/30	126	999	32485	21902	735	9404	12730	18739	22080	24940	26542	28125	29208	29943
05/31 - 06/06	126	3346	33425	23357	616	12101	16997	21134	23677	25653	27217	27853	29187	30155
06/07 - 06/13	133	2606	32629	22380	668	10097	14554	18002	21645	24194	26921	28669	29578	30310
06/14 - 06/20	133	6743	32227	24640	521	15295	18848	22394	24981	26655	27939	28990	29484	30543
06/21 - 06/27	133	3432	32364	24774	559	13752	18547	22272	25032	27090	28391	29332	30064	30990
06/28 - 07/04	133	3511	31767	25330	526	16250	21972	24333	25888	27510	28479	29157	29751	30369
07/05 - 07/11	133	5700	31180	24571	537	14257	18797	22327	25784	27008	27817	29065	29636	30104
07/12 - 07/18	133	5576	31949	23986	550	12528	18887	22752	24700	26621	27781	28382	28887	29446
07/19 - 07/25	133	3675	32181	23477	596	11034	18286	22448	24464	26181	27419	28134	28696	29134
07/26 - 08/01	133	6087	31290	22444	565	11279	15813	20016	23104	25414	26382	26907	27709	28386
08/02 - 08/08	133	7454	30568	22590	499	12725	16361	20659	23444	25174	25793	26630	27263	27720
08/09 - 08/15	133	7899	27660	22233	464	12199	18039	21284	23014	24148	25447	26085	26387	26789
08/16 - 08/22	133	2900	26830	20256	539	9882	14603	18569	21114	22814	23818	24564	25112	25665
08/23 - 08/29	133	2773	26172	20291	480	11790	15657	18324	21513	22512	23459	24121	24720	25022
08/30 - 09/05	133	2453	25805	17926	525	6850	11798	15125	17800	19641	21368	22596	23380	23874
09/06 - 09/12	133	2847	24325	17510	576	5415	9756	15417	18616	21160	21878	22224	22763	23113
09/13 - 09/19	133	1872	23736	14207	568	3963	6418	10153	12330	15669	18459	19991	20665	21185
09/20 - 09/26	133	1952	20966	14248	522	5041	7242	10573	13192	16714	18443	19292	19689	20271
09/27 - 10/03	133	1501	20690	14524	464	4999	9166	12075	16104	16910	17726	18449	18784	19090
10/04 - 10/10	133	1248	18683	13197	472	3545	6802	11002	14147	16068	16922	17274	17618	17943
10/11 - 10/17	133	1212	17720	12116	406	4355	7108	10290	12281	14253	15398	15751	15963	16197
10/18 - 10/24	133	1057	16353	11276	382	3431	6374	10414	11785	13205	13892	14433	14857	15233
10/25 - 10/31	133	715	15201	9616	372	2386	5169	7460	8794	10983	12362	13190	13485	13995
11/01 - 11/07	133	794	15168	8238	363	2228	3597	4353	7305	8944	11214	11863	12477	12824
11/08 - 11/14	133	647	12763	7790	317	2060	3974	5084	6980	8639	10350	10943	11405	11704
11/15 - 11/21	133	268	11279	6678	292	1885	2705	4062	5939	7167	8395	9649	10190	10341
11/22 - 11/28	133	1083	10842	6703	257	1883	3575	4659	6188	7411	8435	9283	9598	9948
11/29 - 12/05	133	657	10033	6277	246	1470	3338	4430	5730	7065	8131	8571	8925	9270
12/06 - 12/12	133	316	9673	5758	234	1678	2583	3521	5034	6410	7237	7955	8466	8792
12/13 - 12/19	133	712	9175	5946	216	1726	3026	4279	5607	6620	7601	8047	8309	8462
12/20 - 12/26	133	656	9148	5535	217	1933	2833	3500	4690	5643	7172	7537	8151	8428
12/27 - 01/02	126	751	9199	5936	212	2395	3304	4274	5330	6146	7245	7922	8372	8640
01/03 - 01/09	126	1545	9945	7082	201	3366	4494	6193	7474	8097	8508	8734	8825	9068
01/10 - 01/16	126	862	9930	6658	233	2150	3620	5547	6502	7324	7897	8590	9152	9497
01/17 - 01/23	126	1119	10681	7094	259	2634	3885	5117	6279	7989	8782	9517	9846	10362
01/24 - 01/30	126	655	12136	8171	264	3599	5225	6284	7699	9136	10031	10469	10781	11134
01/31 - 02/06	126	1076	12981	8517	309	3296	4689	6158	7249	9297	10974	11487	11862	12259
02/07 - 02/13	126	1288	16213	9371	340	2727	5018	7459	9241	10375	11286	12270	12734	13389
02/14 - 02/20	126	701	15792	10323	351	4429	6618	8339	9743	11096	12482	13299	14085	14570
02/21 - 02/27	126	1142	17078	11480	439	3669	5494	8124	11166	13749	15106	15471	15790	16265

Table 23.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT PHOENIX, AR.
(STATION NO. 23183) JUL,1952 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	161	4100	22309	18271	330	11478	15176	18488	19484	20160	20399	20698	21049	21330
03/08 - 03/14	161	5749	23609	19259	347	11342	16151	18952	20255	21294	21815	22019	22395	22812
03/15 - 03/21	161	4390	24908	21197	321	14225	19553	20832	22361	22947	23140	23487	23877	24175
03/22 - 03/28	161	4344	26702	22303	316	16139	19507	21313	23106	24279	24650	24840	25067	25472
03/29 - 04/04	161	4263	27709	23925	297	18668	21430	23903	24851	25540	25796	26098	26376	26659
04/05 - 04/11	161	10369	28972	25556	278	19544	24520	26086	26619	27009	27135	27407	27673	27918
04/12 - 04/18	161	12100	30082	26731	280	22194	24993	27083	27916	28209	28432	28593	28791	28934
04/19 - 04/25	161	5086	31785	27801	319	22526	27009	28494	28957	29202	29420	29644	29924	30098
04/26 - 05/02	161	13881	32968	29181	235	25105	28350	29826	30130	30231	30421	30525	30665	30779
05/03 - 05/09	161	13232	32772	29392	276	25008	28292	29680	30325	30849	30993	31149	31328	31572
05/10 - 05/16	161	5927	33204	30386	253	27390	30017	30748	31300	31497	31642	31810	31892	32053
05/17 - 05/23	161	21672	33534	30946	185	28159	29875	30768	31468	31953	32141	32239	32331	32456
05/24 - 05/30	161	15009	34231	30881	248	27169	30252	31273	31763	32042	32278	32462	32544	32693
05/31 - 06/06	161	13426	37593	31032	247	27216	30073	31122	31692	31743	32217	32508	32957	33303
06/07 - 06/13	161	11540	34324	31082	287	27994	30704	31557	31763	31786	32363	32749	32963	33247
06/14 - 06/20	161	4294	34979	31438	268	29737	31177	31612	31715	31757	32302	32596	32974	33337
06/21 - 06/27	161	14549	34038	30982	214	28836	30638	31262	31355	31452	31539	32029	32575	32866
06/28 - 07/04	161	15155	33500	30206	225	26838	29114	30260	30864	30970	31104	31426	31880	32479
07/05 - 07/11	168	14176	33335	28739	298	23254	26989	28499	29530	30156	30484	30738	31230	31620
07/12 - 07/18	168	12019	31626	28593	229	23454	26669	28264	29180	29744	30019	30303	30663	31076
07/19 - 07/25	168	9527	31721	27556	334	20807	25993	27817	28718	29157	29555	30043	30285	30541
07/26 - 08/01	168	11078	31161	27020	308	21139	24628	26860	27856	28546	29067	29465	29740	30066
08/02 - 08/08	168	7963	31481	26734	278	22012	24938	25785	27282	28028	28483	28848	29141	29522
08/09 - 08/15	168	5015	29656	26425	269	22895	25208	26313	27359	27706	27983	28188	28383	28670
08/16 - 08/22	168	11751	29704	25357	265	20589	23468	24891	26038	26809	27185	27463	27629	27905
08/23 - 08/29	168	12185	28234	25491	201	21987	24352	25532	26140	26557	26705	26880	27116	27231
08/30 - 09/05	168	9655	27403	24765	255	21813	23813	25245	25690	25937	26116	26257	26474	26734
09/06 - 09/12	168	9413	26448	23586	253	18062	22868	24085	24622	24838	25063	25254	25407	25563
09/13 - 09/19	168	8486	25258	22799	234	18857	21965	23288	23801	23961	24123	24274	24466	24611
09/20 - 09/26	168	5132	25203	22208	210	20716	22114	22607	22784	22906	23023	23242	23335	23565
09/27 - 10/03	168	5863	27585	20505	258	16964	19615	21045	21485	21642	21844	21986	22187	22362
10/04 - 10/10	168	4422	21490	19362	238	15918	18727	19866	20266	20460	20609	20784	20971	21137
10/11 - 10/17	168	3097	20593	18379	230	14782	18250	18865	19113	19399	19573	19746	19918	20090
10/18 - 10/24	168	5416	19262	17025	193	13548	16335	17380	17753	17947	18065	18198	18425	18712
10/25 - 10/31	168	4211	18338	15927	192	13700	15175	16228	16575	16724	16885	17044	17369	17546
11/01 - 11/07	168	4048	16841	14800	178	11748	13881	14840	15405	15653	15875	16043	16246	16399
11/08 - 11/14	168	2810	16948	13551	204	9681	11765	13610	14321	14710	14826	15005	15219	15499
11/15 - 11/21	168	2884	16292	12563	204	8259	10787	12557	13436	13751	13933	14097	14273	14461
11/22 - 11/28	168	1905	14262	11897	214	7120	10781	12485	12944	13140	13255	13372	13477	13652
11/29 - 12/05	168	1605	13574	10974	207	6272	8853	10837	11857	12342	12497	12647	12762	12971
12/06 - 12/12	168	1795	13044	10808	187	7236	9533	11018	11547	11845	12061	12169	12266	12402
12/13 - 12/19	168	1066	12665	10240	220	4706	8408	10504	11303	11668	11822	11903	12000	12125
12/20 - 12/26	168	930	12432	10415	191	6033	8909	10451	11371	11608	11813	11927	11968	12107
12/27 - 01/02	161	2772	12843	10567	196	6113	9322	10242	11581	11804	11964	12063	12121	12197
01/03 - 01/09	161	1272	13496	10682	218	6250	9392	10711	11513	11967	12136	12297	12411	12512
01/10 - 01/16	161	2037	13806	11236	217	6157	9494	11271	12032	12607	12779	12864	13032	13142
01/17 - 01/23	161	2745	15126	12012	207	7379	10489	11943	12650	13132	13338	13556	13758	14015
01/24 - 01/30	161	2058	15516	12410	248	7223	9728	12376	13280	13970	14155	14285	14558	14850
01/31 - 02/06	161	2025	17015	14368	191	11602	13616	14434	15016	15170	15426	15560	15717	15987
02/07 - 02/13	161	1557	18676	14123	309	7288	11155	14133	15471	15950	16308	16600	16777	17061
02/14 - 02/20	161	3429	19117	16000	250	10978	13941	15742	16974	17353	17679	17924	18083	18324
02/21 - 02/27	161	3786	20620	17262	267	12514	15825	17376	18203	18643	18865	19091	19380	19601

Table 24.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT SANTA MARIA, CA.
(STATION NO. 23273) JUL,1952 - MAR,1969

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	119	3593	20864	16885	302	11224	14696	16100	17432	18190	18690	18963	19197	19550
03/08 - 03/14	119	2801	21199	17013	412	9529	13703	15702	17849	19184	19743	20115	20403	20827
03/15 - 03/21	119	2300	22885	18101	470	10092	14317	17469	19609	20249	21039	21376	21806	22100
03/22 - 03/28	119	4184	24827	18835	472	10509	13457	17316	19878	21088	21821	22539	22872	23273
03/29 - 04/04	112	3974	25591	19652	520	11145	15067	17582	20259	21903	23278	23647	23909	24419
04/05 - 04/11	112	4955	26089	21391	488	12174	17809	20372	22464	23795	24225	24673	25024	25369
04/12 - 04/18	112	5080	27294	22431	493	13245	19151	22346	23881	24767	25145	25718	25969	26247
04/19 - 04/25	112	4378	27876	21958	592	10021	15797	20411	23669	24549	25760	26441	26802	27241
04/26 - 05/02	112	3774	29400	23662	544	12638	20324	23227	24561	25625	27035	27352	27679	28202
05/03 - 05/09	112	5271	29617	23133	550	14063	17803	21421	23572	25582	26585	27047	27810	28483
05/10 - 05/16	112	6067	30618	25413	445	19388	22460	24279	26020	26933	27537	28195	29107	29479
05/17 - 05/23	112	4096	30388	24293	599	14777	20767	24121	25294	26812	27630	28232	28941	29402
05/24 - 05/30	112	4567	31766	24310	679	11702	17212	23739	26213	27342	28420	29108	29581	30307
05/31 - 06/06	112	7501	32804	25705	498	17320	21503	24016	26182	27526	28502	29293	29740	30391
06/07 - 06/13	112	5319	31600	25992	539	18343	22403	24816	26788	27676	28842	29824	30326	30918
06/14 - 06/20	112	4040	32262	26459	533	19664	23367	25500	27144	28585	29029	29739	30268	30969
06/21 - 06/27	112	13463	31748	27827	328	23956	26307	27330	28004	28674	29259	29625	30320	30873
06/28 - 07/04	112	14368	31319	27358	304	22690	25123	26739	27460	28189	28593	29429	30046	30347
07/05 - 07/11	119	9572	30988	27365	263	24481	25260	26397	26922	27528	28334	29034	29897	30433
07/12 - 07/18	119	12230	30722	26516	276	23523	24463	25170	26180	27043	27898	28449	28898	29581
07/19 - 07/25	119	8706	31546	26301	255	23127	24675	25422	26111	26645	27315	27798	28369	29063
07/26 - 08/01	119	10484	29487	25404	319	22088	23969	24833	25237	25903	26601	27061	27734	28769
08/02 - 08/08	119	9497	28773	24662	302	21180	22703	24131	24791	25325	25784	26392	26953	27684
08/09 - 08/15	119	14400	28709	24262	269	19811	22105	23233	24065	24727	25314	25968	26845	27298
08/16 - 08/22	119	7301	28173	23742	327	18617	22220	23124	23941	24731	25261	25717	26286	26678
08/23 - 08/29	119	11597	27275	23230	248	20195	21643	22234	23290	23937	24396	24826	25264	25793
08/30 - 09/05	119	7161	26013	21842	278	18288	20207	21134	21820	22329	22878	23442	24063	24574
09/06 - 09/12	119	7003	24523	20651	313	15660	18033	19894	20976	21596	22390	22961	23274	23584
09/13 - 09/19	119	4072	23453	19483	354	12674	16262	18724	20185	21102	21641	22092	22291	22679
09/20 - 09/26	119	4363	22420	18704	353	12633	16271	18426	19359	20220	20645	21024	21339	21764
09/27 - 10/03	119	2196	21392	17075	352	10996	14869	16668	17382	18250	18929	19520	19916	20408
10/04 - 10/10	119	5889	21637	16899	285	12185	15313	16590	17281	18053	18419	18662	18910	19329
10/11 - 10/17	119	3228	18766	15533	324	9449	13213	15119	16504	17123	17367	17632	17922	18147
10/18 - 10/24	119	4888	17899	14496	273	9057	12532	13832	15068	15676	15965	16421	16654	16924
10/25 - 10/31	119	4341	16619	13803	234	9582	12643	13765	14164	14711	14972	15253	15503	15724
11/01 - 11/07	119	1849	16277	12281	292	6417	10420	12170	12895	13362	13980	14232	14468	14751
11/08 - 11/14	119	2563	14423	11100	266	6822	8855	9604	10696	12299	12864	13194	13657	13827
11/15 - 11/21	119	1936	13280	10586	263	5728	8522	9952	11184	11915	12236	12447	12646	12845
11/22 - 11/28	119	2709	12571	10571	218	6166	9517	10795	11293	11530	11711	11855	11961	12172
11/29 - 12/05	119	1147	11952	9416	271	4014	7057	8845	10520	11022	11116	11262	11455	11712
12/06 - 12/12	119	1840	11276	9573	206	5901	7699	9786	10387	10602	10769	10880	11047	11151
12/13 - 12/19	119	2411	11210	8836	207	4975	6375	7942	9008	9769	10244	10474	10688	10879
12/20 - 12/26	119	1767	11331	8867	245	3631	6969	9002	9631	10160	10354	10497	10694	10922
12/27 - 01/02	119	2116	12011	9160	200	5906	7192	8492	9525	10108	10306	10538	10830	11010
01/03 - 01/09	119	1780	11788	9484	223	4907	7598	9388	10095	10535	10838	11058	11170	11478
01/10 - 01/16	119	1289	12795	9479	274	4289	6095	8693	10166	11071	11254	11516	11736	11980
01/17 - 01/23	119	1077	13245	9761	285	4105	7393	8556	9923	10754	11690	12068	12238	12521
01/24 - 01/30	119	918	14119	9907	321	4306	6310	8496	9769	10949	11694	12617	13000	13476
01/31 - 02/06	119	1554	15094	11452	333	4612	7849	10811	12145	12902	13715	13943	14283	14543
02/07 - 02/13	119	1372	16440	11690	408	3810	6400	9692	12014	14125	14700	14997	15198	15536
02/14 - 02/20	119	1366	17381	13119	394	5625	8973	11899	13873	15128	15641	16011	16390	16842
02/21 - 02/27	119	1924	18907	15118	345	8999	11674	14248	16056	16896	17203	17424	17819	18259

Table 25.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT SEATTLE-TACOMA, WA.
(STATION NO. 24233) DEC,1951 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	168	1297	14512	8230	283	3229	4448	5588	6709	8320	8963	10574	12409	13402
03/08 - 03/14	168	1728	15829	8848	305	3493	5006	6019	6961	8545	9725	11550	13222	14516
03/15 - 03/21	168	2216	19133	10087	327	4346	5611	6962	8611	10319	11345	12329	14111	16080
03/22 - 03/28	168	1972	19135	10911	360	4925	6033	7226	8701	10872	12720	14078	15797	17207
03/29 - 04/04	168	1810	20828	11794	398	5282	6792	8205	8994	10697	12681	15479	17757	19148
04/05 - 04/11	168	3557	21983	14065	411	6611	8585	10460	12093	13964	16817	18324	19593	20666
04/12 - 04/18	168	4206	24232	14481	424	6832	8920	10456	12422	14666	16386	17785	20220	21821
04/19 - 04/25	168	2784	24798	14956	435	7667	9432	11736	13092	14183	17119	18692	20739	22830
04/26 - 05/02	168	4206	26317	17422	449	9004	11376	13879	16043	17703	19931	21512	23204	24595
05/03 - 05/09	168	3297	27603	18613	498	8542	11449	15243	17314	19985	21584	23722	25124	25954
05/10 - 05/16	168	3571	27970	19762	506	9329	13500	15701	19197	21248	22903	25059	26173	26947
05/17 - 05/23	168	3156	30920	19543	506	9989	12750	15283	17763	19792	21510	24843	26541	27726
05/24 - 05/30	168	3740	31161	20719	521	11318	13801	17779	19218	21394	23485	26010	27409	28364
05/31 - 06/06	168	2762	29736	19928	596	8369	11531	14817	17258	21005	24158	26706	28129	28991
06/07 - 06/13	168	3876	31389	19824	545	9221	13592	16281	17882	19648	21745	23905	27426	29509
06/14 - 06/20	168	5732	31999	21163	544	10992	14043	16614	20093	21362	24071	26448	28624	29714
06/21 - 06/27	168	6036	30930	20166	553	9658	12873	15362	18036	20373	23227	25686	27231	29459
06/28 - 07/04	168	3777	31089	22162	533	12242	15389	18556	21021	23379	25797	27619	29239	29610
07/05 - 07/11	168	6441	30205	21754	536	10693	14297	17826	20939	22739	25070	27546	29022	29483
07/12 - 07/18	168	6173	30399	23278	480	13742	18002	20866	23207	25448	26838	28379	28806	29062
07/19 - 07/25	168	4930	29110	22576	457	13009	15927	19866	21677	24537	26548	27586	27900	28271
07/26 - 08/01	168	5848	28514	21862	448	12739	16661	19125	21198	23352	25567	26964	27296	27567
08/02 - 08/08	168	4377	27019	20203	490	10176	13829	17026	19830	22318	24369	25600	25899	26451
08/09 - 08/15	168	5312	26063	19834	427	10689	14405	17172	19255	21513	23089	24445	25001	25385
08/16 - 08/22	168	2943	24663	17491	441	8697	11326	14102	16407	18587	20206	22061	23158	23884
08/23 - 08/29	168	2867	23168	16050	435	7284	10241	12593	14798	17069	19090	20594	21520	22409
08/30 - 09/05	168	4704	21918	15867	403	7477	10099	13466	15081	17706	19313	19960	20634	21349
09/06 - 09/12	168	2545	20631	14687	372	6517	9823	12958	14359	16403	17629	18316	19004	19666
09/13 - 09/19	168	2641	19561	12180	392	4594	6494	8094	10600	12933	14855	16848	17310	17910
09/20 - 09/26	168	2271	17521	11587	337	4890	6841	8555	10711	12441	14067	15383	15856	16448
09/27 - 10/03	168	1235	15718	10775	293	4939	6847	8389	10225	11693	13032	13748	14265	14851
10/04 - 10/10	168	1550	14472	8684	285	3828	4843	5936	7041	8677	9954	11590	12819	13502
10/11 - 10/17	168	930	13076	7843	251	2958	4304	5701	6688	8463	9498	10201	11124	11782
10/18 - 10/24	168	1112	12149	5839	224	2008	3188	4038	4494	5286	6421	7315	8599	10143
10/25 - 10/31	168	1114	10111	5790	192	2295	3296	3873	4752	5862	6688	7510	8415	9263
11/01 - 11/07	168	1089	10176	5203	179	2044	3057	3429	4011	5044	5967	6956	7610	8361
11/08 - 11/14	168	913	8103	3767	143	1501	2112	2462	2842	3218	3829	4732	5610	6624
11/15 - 11/21	168	485	7255	3514	137	1210	1852	2331	2837	3125	3739	4338	5189	6304
11/22 - 11/28	168	540	6421	3195	125	1295	1588	2134	2498	2802	3425	3910	5157	5612
11/29 - 12/05	168	535	5629	2519	100	1102	1376	1645	1902	2223	2503	3058	3582	4610
12/06 - 12/12	175	290	5822	2609	106	958	1312	1480	1896	2266	2969	3344	4015	4764
12/13 - 12/19	175	548	5136	2314	96	1000	1195	1400	1662	2024	2226	2607	3408	4617
12/20 - 12/26	175	310	5308	2287	96	1064	1185	1385	1621	1879	2156	2600	3699	4379
12/27 - 01/02	168	509	5813	2478	92	1171	1483	1738	2014	2177	2375	2798	3465	4303
01/03 - 01/09	168	508	5498	2527	110	1071	1290	1545	1752	2093	2349	2895	4019	5009
01/10 - 01/16	168	278	6107	2487	97	1230	1408	1631	1945	2185	2419	2876	3293	4614
01/17 - 01/23	168	672	6506	3124	120	1454	1559	2087	2411	2784	3177	3675	4477	5539
01/24 - 01/30	168	372	7586	3688	146	1601	1855	2283	2775	3189	3754	4504	5775	6597
01/31 - 02/06	168	914	8600	4477	161	1939	2343	3181	3543	4054	4629	5456	6727	7734
02/07 - 02/13	168	341	9766	5111	185	2246	3042	3554	4024	4535	5338	6186	7862	8793
02/14 - 02/20	168	1299	11166	5604	215	2607	2992	3613	4093	4854	5319	6517	8839	10238
02/21 - 02/27	168	1299	12370	6771	238	2908	3896	4790	5182	6105	6738	8738	10346	[illegible] 372

Table 26.

SOLAR RADIATION IN KILOJOULES PER SQUARE METER PER DAY BY CLIMATIC WEEK AT WASHINGTON, DC.
(STATION NO. 93734) AUG,1953 - DEC,1975

CLIMATIC WEEK	NUMBER OBS	MINIMUM RADIATION	MAXIMUM RADIATION	MEAN RADIATION	STD OF MEAN	PROBABILITY IN PERCENT OF RECEIVING AT LEAST THE INDICATED AMOUNT 90	80	70	60	50 (MEDIAN)	40	30	20	10
03/01 - 03/07	154	792	18317	10971	429	2373	4283	8614	10215	12241	13286	14605	16225	17267
03/08 - 03/14	154	494	20554	11737	460	3161	5025	8271	10767	12720	14223	16310	17285	18483
03/15 - 03/21	154	1116	21382	12623	497	2773	6251	9020	11028	13943	15523	17300	18830	19973
03/22 - 03/28	154	1107	23121	15232	503	5200	8576	12330	14356	17372	19131	20219	21046	21576
03/29 - 04/04	154	1191	23666	14615	543	4152	7364	10543	13715	16138	18138	19690	21235	22363
04/05 - 04/11	154	1472	25676	15748	598	4489	7299	10894	14260	17785	20212	21929	23320	23828
04/12 - 04/18	154	1472	26288	17411	592	5322	9104	13401	16957	19976	21579	23357	24316	24813
04/19 - 04/25	154	1764	27471	17228	562	5521	10707	14213	16689	18312	20201	22140	23825	25217
04/26 - 05/02	154	1639	27253	17111	656	4459	8863	10666	15282	19220	21667	23631	25795	26563
05/03 - 05/09	154	2055	28621	19289	625	5117	10818	15363	19432	21891	23754	25373	26373	27021
05/10 - 05/16	154	2685	28472	18694	572	7416	10922	14950	18055	20760	22146	23306	25174	27189
05/17 - 05/23	154	2665	30622	19937	595	7855	12819	16458	19635	21267	24251	25282	26791	27836
05/24 - 05/30	154	1979	29847	20390	622	9012	12253	17775	20089	22360	24386	26068	27483	28692
05/31 - 06/06	154	2445	32070	21529	585	9523	15675	19650	22564	24046	25132	26341	27232	28566
06/07 - 06/13	154	1422	34010	21708	539	10411	15829	19362	21844	23458	24966	25852	27419	28504
06/14 - 06/20	154	2288	33239	20890	612	8543	13235	18231	20654	23439	24780	26281	27647	28452
06/21 - 06/27	154	3151	33423	21734	521	11550	16278	19385	21362	22938	24414	25838	27043	28880
06/28 - 07/04	154	3005	32885	22667	453	14462	17660	20637	22273	24133	25336	26203	26994	28032
07/05 - 07/11	154	2910	29282	20469	519	10915	14415	17607	20037	21986	23610	24688	26477	27444
07/12 - 07/18	154	2984	28982	20318	493	10975	14692	17803	20063	22187	23757	24750	25612	26452
07/19 - 07/25	154	2941	27888	19694	473	10628	13704	16577	20053	21515	22816	23834	25096	25635
07/26 - 08/01	154	4454	28303	19457	458	9919	13671	17187	19417	20888	21963	23423	24387	25564
08/02 - 08/08	154	3208	28170	18330	499	9228	12496	15067	17334	19255	21376	22800	24267	25170
08/09 - 08/15	161	1098	28196	18718	432	9913	13494	15667	17999	20089	21449	22604	23816	24684
08/16 - 08/22	161	2400	26257	18166	422	10319	13720	15882	17371	19165	20503	21826	22915	23974
08/23 - 08/29	161	3071	26659	18343	414	10542	13780	16674	18871	20326	21123	21597	22118	23332
08/30 - 09/05	161	1308	24436	17351	416	9159	13009	15471	17247	18693	20110	21098	21828	22478
09/06 - 09/12	161	1828	23866	16575	427	7428	11304	14530	16703	18216	19472	20512	21294	22041
09/13 - 09/19	161	2496	24270	15123	412	6261	10318	12415	15020	16808	17939	19018	19629	20365
09/20 - 09/26	161	1283	20221	13920	442	4444	7740	11006	13453	16400	17653	18369	18822	19382
09/27 - 10/03	161	1209	19761	12347	446	2770	5580	8679	13030	14299	15727	16625	17511	18166
10/04 - 10/10	161	654	18276	12347	391	3710	7333	10307	12321	14081	15216	16265	16812	17183
10/11 - 10/17	161	1050	16960	12474	325	6103	8944	11531	12965	14146	14792	15322	15879	16220
10/18 - 10/24	161	939	17983	10499	364	2999	5118	7738	10090	12277	13346	14398	14669	14900
10/25 - 10/31	161	279	14361	9447	318	2979	4962	6869	9197	10767	12029	12533	13230	13480
11/01 - 11/07	161	326	13444	8356	307	2077	3974	6002	8134	9577	10594	11228	12133	12538
11/08 - 11/14	161	1032	12570	8044	257	2710	4564	6737	7690	8582	9660	10575	11168	11567
11/15 - 11/21	161	673	12457	7040	279	1654	2834	4241	6373	8141	9227	9943	10436	10783
11/22 - 11/28	161	518	10577	6332	234	1742	3102	4507	5588	6706	7845	8719	9126	9868
11/29 - 12/05	161	510	10564	6538	224	2077	3392	4791	6165	7507	8184	8803	9175	9447
12/06 - 12/12	161	334	9588	5231	233	930	1636	3178	4279	5421	6531	7579	8566	8945
12/13 - 12/19	161	319	9359	5371	217	1635	2351	3196	4259	5485	7052	7604	8242	8677
12/20 - 12/26	161	513	9407	5143	205	1325	2548	3371	4190	5210	6121	7164	7940	8476
12/27 - 01/02	154	364	9850	5667	226	1335	2227	3912	4781	6309	7358	8001	8424	8805
01/03 - 01/09	154	632	11058	5978	221	1724	2922	4101	5500	6370	7486	8288	8708	9048
01/10 - 01/16	154	443	10392	6375	244	1683	3330	4252	5890	6965	8160	8830	9475	9750
01/17 - 01/23	154	782	10995	6749	268	1735	2719	4151	5574	7601	8898	9642	10072	10406
01/24 - 01/30	154	791	12173	6826	273	1676	2737	4669	6173	7131	7955	9583	10257	11037
01/31 - 02/06	154	785	13247	7481	337	1485	2420	3905	6541	8625	9759	10805	11912	12389
02/07 - 02/13	154	580	14044	8564	344	2286	3329	5774	6852	9252	11260	12162	12783	13201
02/14 - 02/20	154	976	16600	9674	349	2587	4636	7263	9045	11007	11765	13084	13844	14369
02/21 - 02/27	154	748	17120	10842	384	2868	5224	8425	10297	12577	13558	14730	15151	15733

Table 27.