Roschkott, A.
Die Windverhältnisse im Sonnblickgebiet. (Zentralanstalt für Meteor. und Geodyn. Pubn. Nr. 138. Beih. zu Jahrg. 1929 der Jahrbüchern der Zentralans. f. Met. & Geodyn.) Wien. 1933. p. 55–64. tables. fold. chart in back. 28 cm.

Science advisory board
Report. 1933/1934–. Washington, D. C. 1934–. diagrs. 25½ cm. (U. S. Weather bureau. pp. 17–19; 45–58.)

Shaw, Napier
Further development of the growers' year—a daylight calendar. (*In* Great Britain. Min. of agric. & fish., & board of agric. for Scotland. Agric. met. scheme. Rept. on agric. met. conference. 1934 . . . no. i. n. d.)

U. S. Congress. Joint committee to investigate dirigible disasters
Investigation of dirigible disasters. Hearings . . . Congress of the U. S., 73d Congress, first session . . . Wash, D. C. 1933. iii, 944 p., incl. tables. 23½ cm. William H. King, chairman. (An investigation of the causes of the wreck of the U. S. S. Akron.)

Vaughan, Thomas Wayland
Report of the standing committee on the oceanography of the Pacific. Toronto. 1934. p. 245–384. illus. 23½ cm. (Reprint: Proc. Fifth Pacific science congress, 1933.)

Vestine, E. H.
Noctilucent clouds. Toronto. 1934. p. 249–272; 303–317. 1 pl., diagrs. 23½ cm. (Reprint: Journal Royal astronomical society of Canada. July–Aug. & Sept., 1934.)

Wattendorf, F. L., & Kuethe, A. M.
Investigations of turbulent flow by means of the hot-wire anemometer. 1934. p. 153–164. diagrs. 27 cm. (Guggenheim aeronautics laboratory. California inst. of technology. Pasadena. Pubn. no. 45. Repr.: Physics. June, 1934. v. 5.)

SOLAR OBSERVATIONS

SOLAR RADIATION MEASUREMENTS DURING MARCH 1935

By IRVING F. HAND, *Assistant in Solar Radiation Investigations*

For a description of instruments employed and their exposures the reader is referred to the January 1935 REVIEW, page 24.

Table 1 shows a deficiency in the amount of solar radiation received at normal incidence at all stations for which normals have been computed. While no observations of this character were made during severe dust storms owing to cloudy skies during their passage, radiation values were greatly lessened by dust on other days.

Table 2 shows an excess in the amount of total solar and sky radiation received on a horizontal surface at Lincoln, Chicago, New York, Fresno, and Fairbanks and a deficiency at all other stations. The value of 9 gram-calories per square centimeter of horizontal surface recorded for the entire day of the 16th of March at Madison during the passage of a dust storm is the lowest daily value ever recorded at that station.

Polarization measurements obtained on 6 days at Washington give a mean of 59 percent with a maximum of 64 percent on both the 22d and 26th. Both of these values are slightly below the March normals for Washington. No polarization observations were made at Madison because of snow and ice surfaces throughout the month.

Although routine atmospheric dust counts have been discontinued by the Bureau, a few counts were made in March because of the passage of some midwestern soil over the city. The highest count of 3,255 per cc is about a quarter of the number of particles per cc measured May 11, 1934, on which date Washington experienced the worst dust storm since this type of measurement was started. Table 4 gives the results of the March counts.

TABLE 1.—*Solar radiation intensities during March 1935*

[Gram-calories per minute per square centimeter of normal surface]

WASHINGTON, D. C.

Date	Sun's zenith distance										
	8 a. m.	78.7°	75.7°	70.7°	60.0°	0.0°	60.0°	70.7°	75.7°	78.7°	Noon
	75th mer. time	Air mass									Local mean solar time
		A. M.					P. M.				
	e	5.0	4.0	3.0	2.0	[1] 1.0	2.0	3.0	4.0	5.0	e
	mm	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*mm*
Mar. 15	3.30	------	------	------	------	1.34	------	------	------	------	3.30
Mar. 18	4.75	0.82	0.91	1.07	1.26	------	------	------	------	------	2.26
Mar. 26	4.75	------	------	------	------	1.29	1.30	1.09	0.92	0.80	3.81
Mar. 29	4.37	.36	.53	.83	1.10	1.45	1.08	0.80	.64	------	3.00
Mar. 30	4.37	------	.36	.51	0.66	0.73	------	------	------	------	3.99
Means	------	(.59)	.60	.80	1.01	1.20	(1.19)	(.94)	(.78)	(.80)	------
Departures	------	−.13	−.21	−.15	−.14	−.22	+.06	.00	.00	+.10	------

TABLE 1.—*Solar radiation intensities during March 1935*—Contd

[Gram-calories per minute per square centimeter of normal surface]

MADISON, WIS.

Date	Sun's zenith distance										
	8 a. m.	78.7°	75.7°	70.7°	60.0°	0.0°	60.0°	70.7°	75.7°	78.7°	Noon
	75th mer. time	Air mass									Local mean solar time
		A. M.					P. M.				
	e	5.0	4.0	3.0	2.0	[1] 1.0	2.0	3.0	4.0	5.0	e
	mm	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*mm*
Mar. 1	3.00	------	------	------	1.19	------	------	------	------	------	3.45
Mar. 12	1.96	------	1.04	1.16	------	------	------	------	------	------	2.16
Mar. 21	5.16	.88	.99	------	------	------	0.86	------	------	------	4.17
Mar. 26	4.75	------	.40	.60	.81	------	------	------	------	------	5.56
Means	------	(.88)	.81	(.88)	(1.00)	------	(.86)	------	------	------	------
Departures	------	−.07	−.22	−.28	−.31	------	−.43	------	------	------	------

LINCOLN, NEBR.

Mar. 2	3.99	------	------	1.05	------	------	------	------	------	------	5.79
Mar. 5	7.57	0.96	1.06	1.23	1.42	1.58	------	------	------	------	2.74
Mar. 7	1.24	------	------	1.25	1.45	1.59	1.25	1.16	0.97	0.86	1.68
Mar. 11	3.15	------	------	------	------	1.64	1.44	1.25	1.12	.98	2.16
Mar. 12	3.30	.92	1.07	1.22	------	------	------	------	------	------	3.45
Mar. 13	4.75	.93	1.00	1.19	1.34	------	------	------	------	------	4.57
Mar. 14	5.79	------	------	------	1.17	1.31	------	------	------	------	4.37
Mar. 23	3.00	------	.61	.96	1.30	1.54	------	------	------	------	4.17
Mar. 25	8.18	------	------	------	.83	------	1.06	.84	.71	.61	4.95
Mar. 26	4.95	.59	.73	.88	1.05	1.35	------	------	------	------	5.36
Means	------	.85	.89	1.11	1.22	1.50	1.25	1.08	.93	.82	------
Departures	------	+.01	−.04	+.02	−.05	−.01	−.03	−.01	−.01	.00	------

BLUE HILL, MASS.

Mar. 1	1.5	------	------	1.13	1.32	------	1.37	------	------	------	1.4
Mar. 3	4.6	------	------	------	1.12	------	1.19	------	------	------	2.2
Mar. 4	1.3	------	------	1.08	1.34	------	------	------	------	------	1.0
Mar. 8	2.3	------	------	------	------	1.52	1.27	1.12	1.06	1.00	1.5
Mar. 9	1.3	------	0.95	1.15	1.34	1.45	1.36	1.20	------	------	1.0
Mar. 13	4.2	------	------	------	------	------	1.18	------	------	------	5.6
Mar. 14	2.1	------	.76	.94	1.18	1.52	------	------	------	------	1.4
Mar. 16	5.0	------	------	------	------	------	1.13	1.08	1.03	------	5.2
Mar. 18	1.3	------	1.04	1.20	1.36	1.62	1.29	------	------	------	1.2
Mar. 20	5.6	------	.64	.91	1.07	1.46	1.25	------	------	------	3.8
Mar. 22	2.3	0.94	1.05	1.20	1.39	1.59	1.31	1.06	------	------	.8
Mar. 24	3.2	.74	.87	1.02	1.24	1.51	1.28	1.15	1.03	------	2.3
Mar. 25	2.4	------	------	------	------	1.34	.95	.81	------	------	2.0
Mar. 26	2.3	.86	.97	1.11	1.27	1.59	1.36	1.14	1.00	.87	1.4
Mar. 27	1.3	.86	.99	1.16	1.36	1.57	1.32	1.20	1.11	.87	1.0
Mar. 29	3.5	------	------	------	1.12	1.20	------	------	------	------	1.9
Mar. 30	4.8	------	------	------	------	1.50	1.27	1.07	.88	.72	2.1
Averages	------	.85	.91	1.09	1.26	1.49	1.25	1.09	1.02	.86	------

[1] Extrapolated.

TABLE 2.—*Average daily totals of solar radiation (direct + diffuse) received on a horizontal surface*

Week beginning—	Washington	Madison	Lincoln	Chicago	New York	Fresno	Fairbanks	Miami	New Orleans	Riverside	Blue Hill	Friday Harbor	Ithaca
	Gram-calories per square centimeter												
1935	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*	*cal.*
Feb. 26	301	293	349	256	268	337	147	388	286	330	300	187	207
Mar. 5	169	202	357	189	209	424	194	343	110	390	282	189	245
Mar. 12	317	288	371	246	261	487	198	414	337	442	316	224	229
Mar. 19	232	253	414	253	299	409	244	503	393	484	378	310	297
Mar. 26	303	288	407	319	348	550	295	461	265	351	459	399	257
	Departures from weekly normals												
Feb. 26	+11	+12	+7	+45	+27	−41	+1	−88	+18	−34	.....	.....	.....
Mar. 5	−150	−96	+3	−15	−54	+30	+34	−148	−171	−24	.....	.....	.....
Mar. 12	−14	−27	−5	+32	−16	+71	0	−12	+22	+3	.....	.....	.....
Mar. 19	−106	−65	+19	+15	+14	−45	+75	+45	+42	+48	.....	.....	.....
Mar. 26	−41	−61	0	+90	+87	+57	+17	−7	−30	−109	.....	.....	.....
	Accumulated departures on												
	−434	−3,836	−189	+406	+1,022	−98	+693	−840	−784	−1,610	.....	.....	.....

(WB—7-30-34—1,000) 295

TABLE 3.—*Total, I_m, and screened, I_y, I_r, solar radiation intensity measurements, obtained during March 1935, and determinations of the atmospheric turbidity factor, β, and water-vapor content, w=depth in millimeters, if precipitated*

BLUE HILL METEOROLOGICAL OBSERVATORY OF HARVARD UNIVERSITY

Date and hour angle	Solar altitude	Air mass	I_m	I_y	I_r	$\beta_{I_{m-r}}$	$\beta_{I_{y-r}}$	β_{mean}	$\frac{I_{w=0}}{1.94}$ (Percentage of solar constant)	$\frac{I_{w=0}-I_m}{1.94}$ (Percentage of solar constant)	w	Air-mass type
Mar. 1, 1935	° ′	*m*	*gr. cal.*	*gr. cal.*	*gr. cal.*						*mm*	
1:27 a. m.	36 14	1.69	1.383	0.964	0.783	0.041	0.069	0.055	76.1	6.2	5.9	NP_P
1:51 p. m.	34 02	1.78	1.408	1.024	.815	.040	.021	.030	80.3	9.1	7.7	
Mar. 3												
1:48 a. m.	34 58	1.74	1.280	.910	.748	.049	.098	.074	72.2	7.4	7.6	
11:23 a. m.	38 13	1.61	1.336	.957	.774	.066	.072	.069	74.5	6.9	8.2	P_C
0:28 a. m.	40 23	1.54	1.344	.943	.763	.060	.077	.068	75.2	7.2	8.6	
0:05 p. m.	40 47	1.53	1.356	.958	.768	.057	.063	.060	76.8	8.1	8.1	
Mar. 4												
0:55 a. m.	39 36	1.57	1.405	.987	.767	.029	.024	.026	82.8	11.6	9.0	P_C
Mar. 8												
0:03 p. m.	42 44	1.47	1.341	.935	.764	.050	.101	.076	74.8	6.7	8.8	P_C;T_G&T_A
0:40 p. m.	41 52	1.49	1.404	.983	.804	.056	.084	.070	75.5	4.2	7.9	Aloft.
2:10 p. m.	34 15	1.78	1.303	.919	.755	.058	.092	.075	71.5	5.3	7.0	
4:38 p. m.	11 30	5.12	.993	.764	.646	.....	.....	.....	.....	.....	.....	
Mar. 9												
1:54 a. m.	36 26	1.68	1.404	.991	.803	.042	.051	.046	77.8	6.5	7.7	
0:47 a. m.	41 55	1.49	1.230	.879	.717	.102	.121	.112	69.4	6.9	8.9	
0:29 a. m.	42 40	1.47	1.248	.901	.727	.102	.075	.088	73.2	9.9	9.4	P_C
0:31 p. m.	42 36	1.48	1.318	.936	.757	.099	.088	.094	73.9	6.9	8.8	
0:54 p. m.	41 32	1.51	1.357	.954	.785	.064	.098	.081	73.9	4.5	7.9	
1:22 p. m.	39 33	1.57	1.481	1.030	.829	.021	.041	.031	81.8	6.5	7.7	
Mar. 14												
2:08 a. m.	28 15	2.11	1.155	.855	.702	.087	.100	.094	64.6	5.8	5.5	
2:44 a. m.	31 48	1.89	1.222	.865	.715	.070	.106	.088	68.1	5.9	6.8	P_C
1:40 a. m.	39 44	1.56	1.270	.893	.730	.079	.109	.094	72.0	7.3	8.5	
0:31 a. m.	44 33	1.42	1.374	.994	.774	.059	.112	.086	73.6	3.6	7.6	T_S aloft
Mar. 16												
2:52 p. m.	31 16	1.92	1.140	.801	.659	.077	.119	.098	66.1	8.0	7.0	NP_C NT_P aloft
Mar. 18												
3:02 a. m.	30 24	1.97	1.375	.962	.796	.033	.075	.054	73.6	3.3	5.7	
2:40 a. m.	32 38	1.86	1.202	.946	.776	.129	.074	.102	66.0	4.6	6.5	P_C
0:28 a. m.	46 13	1.39	1.510	1.145	.883	.024	.....	.024	84.6	7.5	9.6	
0:10 p. m.	46 36	1.38	1.515	1.143	.831	.020	.....	.020	85.5	8.1	9.8	
Mar. 20												
2:18 a. m.	37 20	1.65	1.150	.824	.650	.088	.076	.082	71.8	13.0	7.6	
1:55 a. m.	40 12	1.55	1.241	.850	.689	.058	.074	.066	75.6	12.1	9.2	P_C
1:36 a. m.	42 27	1.48	1.264	.852	.699	.068	.144	.106	71.0	6.4	8.8	
0:01 p. m.	47 27	1.35	1.318	.896	.720	.059	.098	.078	76.2	8.8	10.0	NP_C aloft
1:35 p. m.	42 23	1.48	1.321	.904	.725	.050	.069	.060	72.4	4.9	8.3	
3:24 p. m.	27 32	2.16	1.243	.875	.707	.039	.060	.050	72.4	8.8	6.3	
Mar. 22												
3:15 a. m.	29 35	2.02	1.383	.975	.789	.026	.058	.042	75.8	5.0	6.1	
2:17 a. m.	38 10	1.61	1.445	1.009	.800	.018	.020	.019	84.0	10.0	8.3	P_C
0:47 a. m.	46 56	1.37	1.507	1.028	.819	.017	.031	.024	85.0	7.8	9.8	
0:14 p. m.	48 08	1.34	1.512	1.021	.817	.014	.045	.030	84.1	6.7	9.8	
1:52 p. m.	41 17	1.51	1.435	.998	.799	.033	.046	.040	81.3	7.8	8.9	
3:22 p. m.	28 28	2.09	1.308	.942	.764	.038	.049	.044	74.5	7.6	6.4	

TABLE 3.—*Total, I_m, and screened, I_y, I_r, solar radiation intensity measurements, obtained during March 1935, and determinations of the atmospheric turbidity fator β, and water-vapor content, w=depth in millimeters, if precipitated*—Continued

BLUE HILL METEOROLOGICAL OBSERVATORY OF HARVARD UNIVERSITY

Date and hour angle	Solar altitude	Air mass	I_m	I_y	I_r	$\beta_{I_{m-r}}$	$\beta_{I_{y-r}}$	β_{mean}	$\frac{I_{w=o}}{1.94}$ (Percentage of solar constant)	$\frac{I_{w=o}-I_m}{1.94}$ (Percentage of solar constant)	w	Air-mass type
Mar. 24	° ′	*m*	*gr. cal.*	*gr. cal.*	*gr. cal.*						*mm*	
2:52 a. m.	33 48	1.79	1.292	0.905	0.732	0.047	0.074	0.060	74.3	8.1	7.5	NPc
2:28 a. m.	37 18	1.65	1.355	.941	.758	.055	.035	.045	78.5	9.1	8.3	
0:08 a. m.	49 00	1.32	1.432	.973	.767	.045	.046	.046	81.7	9.8	10.5	
0:11 p. m.	48 58	1.32	1.437	.978	.772	.029	.058	.044	82.0	8.4	10.3	Pc
2:29 p. m.	37 10	1.65	1.329	.922	.724	.033	.038	.036	79.5	6.0	7.7	
Mar. 25												
3:40 p. m.	25 09	2.35	.924	.665	.528	.084	.093	.088	62.9	15.5	6.3	Pc
4:23 p. m.	18 37	3.11	.792	.585	.475	.083	.108	.096	54.4	13.8	4.7	Tc aloft
Mar. 26												
2:41 a. m.	36 25	1.68	1.345	.946	.767	.049	.067	.058	75.8	7.0	7.8	
0:29 a. m.	49 18	1.31	1.489	1.019	.815	.027	.050	.038	83.1	6.7	9.9	Pc
0:02 a. m.	49 49	1.30	1.464	1.006	.805	.028	.048	.038	83.0	7.9	10.0	
3:23 p. m.	29 30	2.02	1.359	.947	.773	.031	.056	.044	74.7	5.0	6.0	
Mar. 27												
2:56 a. m.	34 06	1.78	1.390	.974	.802	.036	.074	.055	77.1	5.8	7.2	
0:29 a. m.	49 42	1.31	1.506	1.029	.823	.086	.050	.068	78.8	1.5	7.0	Pc
0:12 p. m.	50 08	1.30	1.498	1.032	.818	.062	.026	.044	82.1	5.2	9.5	
3:27 p. m.	29 12	2.05	1.305	.926	.749	.036	.051	.044	74.7	7.7	6.5	Pc
Mar. 29												
2:48 a. m.	35 38	1.71	1.136	.781	.619	.067	.095	.081	71.2	12.8	8.4	Pc
Mar. 30												
3:27 p. m.	29 59	2.00	1.266	.867	.696	.031	.062	.046	74.9	9.8	6.9	Tc aloft
5:13 p. m.	11 07	5.08	.690	.523	.424							

TABLE 4.

Date	Time	Number of particles per cubic centimeter	Visibility	Date	Time	Number of particles per cubic centimeter	Visibility
			Miles				*Miles*
Mar. 20	9:30 a. m.	1,953	3	Mar. 22	7 a. m.	1,712	3
Mar. 21	9:30 a. m.	930	5	Mar. 25	7 a. m.	1,124	5
Mar. 21	5:20 p. m.	3,255	2	Mar. 26	7 a. m.	452	2
Mar. 21	8 p. m.	737	10	Mar. 27	7 a. m.	1,364	1

Atmospheric conditions during solar radiation measurements, Blue Hill Observatory of Harvard University

Date and time from apparent noon	Air temperature	Wind (Beaufort scale)	Visibility (scale 0-10)	Sky blueness	Cloudiness and remarks
March 1935	°C.				
1; 0:28 a. m.	−2.8	SW 5	8-9	10	7 Ci, Cist, light haze.
3; 3:04 a. m.	+5.6	WNW 6	7	8	2 Frcu, Stcu, heavy water haze.
3; 1:42 a. m.	+3.9	WNW 7	8	9	Few Frcu. Light haze.
3; 1:44 p. m.	+3.9	NNW 6	9		2 Cu, Stcu.
3; 3:25 p. m.	+3.5	NW 7	9	9	Few Cu, Frcu, unusual visibility.
4; 0:51 a. m.	−2.8	NW 3	8	10	3 Cist, Ci, moderate haze.
8; 0:11 a. m.	−6.1	NxE 5	6-8	9	2 Frcu, Cu, Fum, heavy water haze.
8; 0:12 p. m.	−5.6	NNE 5	8	9	Cu, Fum, Frcu, heavy water haze.
8; 1:53 p. m.	−5.0	NNE 4	8-9	10	Few Cu, Frcu, light haze.
8; 3:18 p. m.	−5.0	NNE 3	8-9	10	Few Stcu, Cu, light haze.
8; 4:42 p. m.	−4.4	NE 3	9	11	Few Stcu, light haze.
9; 2:04 a. m.	−5.6	N 4	6-8	9	Few Ci, few Cu. Mod. to heavy haze.
9; 0:48 a. m.	−3.9	NE 3	7	10	No clouds, heavy haze.
9; 1:06 p. m.	−2.2	var 3	8-9	11	Few Ci, moderate haze.
13; 3:24 p. m.	+1.7	NWxW 6	8	8	7 Stcu, Cu, light haze.
14; 2:51 a. m.	−3.9	W 2	7-8	9	Few Ci, moderate haze.
14; 0:16 a. m.	−1.1	NW 2	8	9	5 Cist, 1 Acu, moderate haze.
16; 2:55 p. m.	+20.6	SW 5	7	9	2 Ci, moderate haze.
16; 3:23 p. m.	+21.1	WSW 5	7	9	2 Ci.
18; 2:59 a. m.	−6.1	NW 5	9	9	No clouds.
18; 0:05 a. m.	−0.6	NW 5	9	10	Few Ci, light haze.
20; 2:53 a. m.	+7.8	NW 4	7	9	2 Ci, 2 Cu, moderate haze.
20; 0:14 a. m.	+10.0	WNW 3	7	9	1 Acu, few Cu, heavy haze.
20; 2:55 p. m.	+13.3	WNW 4	7-8	9	Few Ci, heavy haze.
22; 2:35 a. m.	+7.2	NW 7	9	12	Few Frcu, no haze. Gusty, pyrh. vibrating.
22; 0:03 a. m.	+10.0	WNW 8	9-10	12	Few Frcu, Cu. no haze, rel. hum. 9%.
22; 3:17 p. m.	+11.1	WNW 8	9	11	Few Cu, light haze.
24; 2:50 a. m.	+4.4	NW 7	9	9	Few Frcu, moderate haze to W, gusty.

Atmospheric conditions during solar radiation measurements, Blue Hill Observatory of Harvard University—Continued

Date and time from apparent noon	Air temperature	Wind (Beaufort scale)	Visibility (scale 0-10)	Sky blueness	Cloudiness and remarks
March 1935	°C.				
24; 0:05 a. m.	+7.2	NW 6	9	11	Few Frcu, no haze.
24; 2:41 p. m.	+8.9	NW 5	9-10	10	Few Ci, few Cu, no haze, gusty.
25; 3:23 p. m.	+5.0	var 2 bec. NE.	8	8	Few Ci, few Cu, E wind below, variable smoke.
26; 2:59 a. m.	−2.2	NW 4	7-9	10	No clouds, moderate haze.
26; 0:18 a. m.	+1.7	NW 6	9	10	No clouds, slight haze, gusty.
26; 3:05 p. m.	+3.3	NW 6	9	10	Few Frcu, no haze, gusty.
27; 3:11 a. m.	−1.7	WNW 4	9	10	No clouds, light haze.
27; 0:04 a. m.	+5.0	WNW 6	9	10	No clouds, haze to W.
27; 2:32 p. m.	+8.9	WNW 4	8-9	9	Few Ci.
29; 2:45 a. m.	+3.9	WNW 4	7	6	Few Cu, heavy haze.
30; 1:16 p. m.	+4.4	WNW 6	8	9	1 Ci, few Cu.
30; 3:30 p. m.	+6.7	W 6	9	7	3 Ci, few Cu.

POSITIONS AND AREAS OF SUN SPOTS

[Communicated by Capt. J. F. Hellweg, U. S. Navy, Superintendent U. S. Nava Observatory. Data furnished by the U. S. Naval Observatory in cooperation with Harvard and Mount Wilson observatories. The difference in longitude is measured from the central meridian, positive west. The north latitude is positive. Areas are corrected for foreshortening and are expressed in millionths of the sun's visible hemisphere. The total area for each day includes spots and groups]

Date	Eastern standard time		Heliographic: Diff. in longitude	Heliographic: Longitude	Heliographic: Latitude	Area: Spot	Area: Group	Total area for each day	Observatory
1935	*h*	*m*	°	°	°				
Mar. 1	11	6	−21.0	73.7	−18.0		93	93	U. S. Naval.
Mar. 2	12	20	−10.0	70.9	−18.0		93	93	Do.
Mar. 3	12	53	+4.0	71.4	−18.0		93	93	Do.
Mar. 4	11	18	+20.0	76.6	−17.0	222		222	Harvard.
Mar. 5	11	18	+30.0	71.9	−18.0		139	139	Mt. Wilson.
Mar. 6	11	13	+44.0	72.8	−18.0	77		77	U. S. Naval.
Mar. 7	10	6	+59.0	76.3	−17.0	100		100	Harvard.
Mar. 8	10	27	+73.0	76.3	−16.5	130		130	Do.
Mar. 9	11	10	−70.0	279.3	−17.0		123		U. S. Naval.
			+85.0	74.3	−18.5	31		154	
Mar. 10	12	12	−60.0	275.6	+2.0	62			Do.
			−56.0	279.6	−17.0		93	155	
Mar. 11	14	26	−48.0	273.3	+0.5		96		Mt. Wilson.
			−42.0	279.3	−18.0		41		
			+28.0	349.3	−28.0		4		
			+39.0	360.3	+22.0		25	166	
Mar. 12	11	0	−35.0	274.8	+0.5		171		Do.
			−29.0	280.8	−17.0		28		
			+39.0	348.8	−28.5		17		
			+54.0	363.8	+22.0		16	232	