POSITIONS AND AREAS OF SUN SPOTS—Con.

Date	Eastern standard time	Mount Wilson group No.	Heliographic: Difference in longitude	Heliographic: Longitude	Heliographic: Latitude	Heliographic: Distance from center of disk	Spot or group	Spot count	Plate quality	Observatory
1940	*h m*		°	°	°	°				
Mar. 19	11 24	6781	−73	150	−9	74	145	5	G	U. S. Naval.
		(*)	−64	159	+11	66	12	3		
		6780	−64	159	+19	67	461	6		
		(*)	−14	209	+14	18	36	3		
		6776	−3	220	+23	29	242	5		
		(*)	+10	233	−9	11	48	9		
		6778	+36	259	−9	36	24	13		
				(223)	(−7)		968	44		
Mar. 20	11 5	6784	−84	126	+11	85	242	2	G	Do.
		6783	−76	134	+12	78	776	8		
		6781	−59	151	−9	59	145	5		
		6780	−50	160	+19	56	364	11		
		6776	+10	220	+23	31	242	5		
		6782	+25	235	−9	25	170	24		
		6773	+35	245	−7	35	12	1		
				(210)	(−7)		1,951	56		
Mar. 21	11 5	6784	−70	127	+11	73	388	2	VG	Do.
		6783	−62	135	+12	64	776	11		
		6781	−45	152	−10	45	97	6		
		6780	−37	160	+19	46	339	11		
		6776	+23	220	+22	36	194	1		
		6782	+38	235	−10	38	267	19		
		6773	+49	246	−7	49	12	1		
				(197)	(−7)		2,073	51		
Mar. 22	11 23	6786	−87	97	−3	87	48	1	G	Do.
		6784	−58	126	+11	61	388	1		
		6783	−48	136	+12	52	824	10		
		6781	−32	152	−10	32	73	5		
		6780	−23	161	+18	34	243	3		
		6776	+37	221	+22	47	145	1		
		6782	+51	235	−10	51	170	4		
		6773	+64	248	−7	64	12	1		
		6785	+87	271	−6	87	24	1		
				(184)	(−7)		1,926	27		
Mar. 23	12 43	6786	−73	97	−4	73	242	3	F	Mt. Wilson.
		6784	−44	126	+10	48	291	1		
		6783	−33	137	+12	37	824	14		
		6788	−29	141	−9	29	145	3		
		6781	−18	152	−10	18	36	7		
		6780	−9	161	+18	27	97	8		
		6776	+51	221	+22	58	170	1		
		6782	+66	236	−11	66	97	2		
				(170)	(−7)		1,902	39		
Mar. 24	9 51	6791	−76	82	−28	77	12	2	VG	Do.
		6790	−65	93	+12	67	24	1		
		6786	−60	98	−4	60	291	7		
		6789	−48	110	+12	52	73	5		
		6784	−30	128	+10	34	291	2		
		6783	−21	137	+12	28	1,164	22		
		6788	−17	141	−9	17	145	7		
		6781	−9	149	−7	9	24	16		
		6780	+4	162	+17	24	73	10		
		6787	+59	217	+18	64	24	3		
		6776	+64	221	+22	67	97	2		
		6782	+81	239	−12	81	97	3		
				(158)	(−7)		2,315	80		
Mar. 25	11 17	6791	−63	81	−28	64	48	8	G	U. S. Naval.
		6790	−49	95	+11	52	36	3		
		6786	−46	98	−4	46	218	7		
		6789	−32	112	+12	36	61	2		
		6784	−18	126	+10	25	291	1		
		6783	−7	137	+13	21	1,164	25		
		6788	−3	141	−9	4	145	7		
		6781	+6	150	−7	6	48	1		
		6780	+17	161	+17	23	145	10		
		6787	+71	215	+19	75	12	2		
		6776	+78	222	+22	80	145	1		
				(144)	(−7)		2,313	67		
Mar. 26	11 12	6792	−71	60	+9	73	24	1	G	Do.
		6792	−63	68	+9	66	73	3		
		6791	−50	81	−28	53	24	3		
		6790	−37	94	+14	43	24	1		
		6786	−32	99	−4	33	218	2		
		6789	−17	114	+12	25	24	2		
		6784	−11	120	+13	23	73	6		
		6784	−3	128	+10	17	291	1		
		6783	+7	138	+13	21	1,406	30		
		6788	+11	142	−9	11	194	6		
		6781	+19	150	−7	19	6	1		
		6780	+30	161	+17	38	121	8		
		6793	+32	163	−11	32	24	2		
				(131)	(−7)		2,502	66		

229398—40——2

POSITIONS AND AREAS OF SUN SPOTS—Con.

Date	Eastern standard time	Mount Wilson group No.	Heliographic: Difference in longitude	Heliographic: Longitude	Heliographic: Latitude	Heliographic: Distance from center of disk	Spot or group	Spot count	Plate quality	Observatory
1940	*h m*		°	°	°	°				
Mar. 27	11 11	6794	−73	45	−13	74	339	5	G	U. S. Naval.
		6792	−50	68	+8	53	97	10		
		6790	−22	96	+12	28	24	2		
		6786	−19	99	−5	19	218	3		
		6789	−8	110	+11	21	24	4		
		6789	−1	117	+12	18	12	1		
		6784	+2	120	+13	20	24	4		
		6784	+9	127	+10	19	291	1		
		6783	+20	138	+12	27	1,357	30		
		6788	+25	143	−9	25	97	5		
		6780	+45	163	+17	51	48	6		
		6793	+46	164	−11	46	73	7		
				(118)	(−7)		2,604	78		
Mar. 28	11 9	6794	−61	44	−11	61	339	9	G	Do.
		(*)	−58	47	−4	59	12	2		
		6792	−37	68	+8	42	267	21		
		6790	−10	95	+12	22	36	4		
		6786	−6	99	−5	6	218	3		
		6789	+6	111	+11	19	73	7		
		6784	+22	127	+10	27	242	1		
		6783	+33	138	+12	37	1,261	25		
		(*)	+42	147	−9	42	61	7		
		(*)	+45	150	−7	45	12	4		
		6780	+57	162	+17	63	24	4		
		6793	+60	165	−11	60	48	7		
				(105)	(−7)		2,593	94		
Mar. 29	11 0	6794	−48	44	−12	48	315	13	G	Mt. Wilson.
		6796	−48	44	−11	48	48	6		
		6792	−25	67	+7	30	388	30		
		6790	−2	90	+12	19	12	3		
		6786	+7	99	−5	7	242	12		
		6789	+15	107	+12	24	12	3		
		6784	+34	126	−11	39	242	2		
		6783	+46	138	+12	50	1,261	28		
		6788	+56	148	−9	56	48	3		
		6793	+71	163	−11	72	36	2		
				(92)	(−7)		2,604	102		
Mar. 30	12 55	6795	−35	42	−11	35	48	4	F	Do.
		6794	−34	43	−12	34	291	7		
		6792	−12	65	+7	18	291	30		
		6786	+21	98	−5	21	242	2		
		6784	+48	125	+11	53	242	2		
		6783	+59	136	+12	62	1,261	15		
		6788	+70	147	−9	70	36	3		
				(77)	(−7)		2,411	63		

Mean daily area for 30 days=1,518.

*Not numbered.

VG=very good; G=good; F=fair; P=poor.

PROVISIONAL SUNSPOT RELATIVE NUMBERS FOR MARCH 1940

[Dependent alone on observations at Zurich]

[Data furnished through the courtesy of Prof. W. Brunner, Eidgen. Sternwarte, Zurich Switzerland]

March 1939	Relative numbers	March 1939	Relative numbers	March 1939	Relative numbers
1	*Ec* 91	11	*a* 48	21	*d* 85
2	*b* 74	12	*Mc* 76	22	*Ec* 92
3	*Mcd* 96	13	74	23	*Ecd* 111
4	116	14	*d* 76	24	115
5	*Ec* 92	15	49	25	*a* 101
6	—	16	*Mc* 70	26	*Ecb* 108
7	77	17	*a* 43	27	*ad* 136
8	*Ec* 72	18	*Mc* 56	28	125
9	*aa* 46	19	*a* 78	29	*a* 98
10	—	20	*d* 79	30	86
				31	*a* 85

Mean, 29 days=84.7

a=Passage of an average-sized group through the central meridian.
b=Passage of a large group through the central meridian.
c=New formation of a group developing into a middle-sized or center of activity: E, on the eastern part of the sun's disk; W, on the western part; M, in the central-circle zone.
d=Entrance of a large or average-sized center of activity on the east limb.