POSITIONS AND AREAS OF SUN SPOTS—Continued

Date	Eastern standard time		Mount Wilson group No.	Difference in longitude	Heliographic Longitude	Heliographic Latitude	Distance from center of disk	Area of spot or group	Spot count	Plate quality [1]	Observatory
1939	*h.*	*m.*		°	°	°	°				
Mar. 20	10	50	6362	−80	281	−23	78	24	1	G	Mt. Wilson.
			6359	−35	326	+13	40	436	15		
			6354	−23	338	−18	26	12	2		
			6353	−22	339	−7	22	48	5		
			6360	+19	20	+17	30	48	4		
			6345	+20	21	−10	21	73	1		
			6344	+46	47	−19	47	291	1		
			6347	+54	55	−13	54	145	1		
			6350	+68	69	+28	74	194	4		
			6357	+77	78	+13	78	24	1		
			6355	+81	82	−12	80	242	10		
			6341	+82	83	+12	83	48	1		
					(1)	(−7)	-------	1585	46		
Mar. 21	11	6	6364	−69	279	+31	76	48	3	P	U. S. Naval.
			6363	−66	282	−15	65	6	2		
			6362	−65	283	−23	65	36	1		
			6361	−35	313	−8	35	12	5		
			6359	−20	328	+15	30	436	13		
			6353	−9	339	−7	9	18	4		
			6360	+32	20	+17	39	12	3		
			6345	+34	22	−10	34	73	2		
			6344	+59	47	−18	58	194	1		
			6347	+65	53	−13	64	242	10		
			6350	+80	68	+27	88	145	3		
					(348)	(−7)	-------	1222	47		
Mar. 22	12	9	6364	−56	278	+30	65	48	1	F	Do.
			6367	−55	279	+2	56	6	1		
			6362	−52	282	−23	53	24	1		
			6361	−24	310	−9	24	6	1		
			6366	−8	326	−8	9	6	4		
			6359	−7	327	+15	22	436	19		
			6353	+4	338	−7	4	48	10		
			6365	+5	339	+21	29	12	2		
			6345	+49	23	−9	49	18	1		
			6344	+72	46	−17	71	388	1		
			6347	+79	53	−14	78	630	20		
					(334)	(−7)	-------	1622	61		
Mar. 23	11	8	6364	−43	278	+31	56	48	3	P	Do.
			6362	−39	282	−23	41	36	1		
			6361	−9	312	−9	10	121	12		
			6359	+6	327	+15	22	436	8		
			6353	+17	338	−7	17	73	4		
			6345	+60	21	−9	60	6	1		
			6344	+85	46	−18	81	339	1		
			6344	+85	46	−14	81	194	1		
					(321)	(−7)	-------	1253	31		
Mar. 24	11	4	6364	−31	277	+33	50	24	15	VG	Do.
			6362	−27	281	−24	32	12	2		
			6363	−27	281	−15	28	12	8		
			6361	+5	313	−9	5	97	13		
			6359	+19	327	+15	29	291	20		
			6353	+33	341	−6	33	97	13		
					(308)	(−7)	-------	533	71		
Mar. 25	11	7	6364	−19	276	+31	42	36	4	P	Mt. Wilson.
			6362	−14	281	−23	21	24	2		
			6363	−13	282	−14	16	24	5		
			6368	+11	306	+9	19	12	1		
			6361	+18	313	−9	18	73	20		
			6359	+31	326	+14	37	267	15		
			6366	+33	328	−2	34	12	1		
			6369	+41	336	−18	42	24	2		
			6353	+47	342	−6	47	36	5		
					(295)	(−7)		508	55		
Mar. 26	12	44	(*)	−35	246	−7	35	24	6	VG	U. S. Naval.
			6364	−7	274	+31	39	18	5		
			6262	−1	280	−23	17	24	2		
			6361	+33	314	−9	33	388	41		
			6359	+46	327	+15	50	242	18		
			(*)	+46	327	+21	52	6	3		
			(*)	+74	355	+12	76	36	1		
					(281)	(−7)		738	76		

POSITIONS AND AREAS OF SUN SPOTS—Continued

Date	Eastern standard time		Mount Wilson group No.	Difference in longitude	Heliographic Longitude	Heliographic Latitude	Distance from center of disk	Area of spot or group	Spot count	Plate quality [1]	Observatory
1939	*h.*	*m.*		°	°	°	°				
Mar. 28	13	50	6372	−34	220	+7	37	12	3	VG	U. S. Naval.
			6371	+13	267	+7	20	36	7		
			6361	+61	315	−9	61	242	15		
			6359	+74	328	+17	77	194	1		
					(254)	(−7)		484	26		
Mar. 29	9	43	6373	−79	164	+10	80	6	1	P	Mt. Wilson.
			6372	−21	222	+7	25	12	1		
			6371	+26	269	+7	30	24	4		
			6361	+74	317	−9	73	194	5		
					(243)	(−7)		236	11		
Mar. 30	12	23	6373	−65	163	+9	67	24	1	P	Do.
			6372	−6	222	+7	15	12	2		
			6370	+39	267	−16	39	48	3		
			6371	+43	271	+6	46	24	3		
					(228)	(−7)		108	9		
Mar. 31	11	18	6373	−51	165	+10	54	48	4	G	U. S. Naval.
			6376	−33	183	−15	35	12	6		
			6375	−2	214	−12	5	24	4		
			6374	+4	220	−13	7	36	7		
			6372	+8	224	+7	17	6	3		
					(216)	(−7)		126	24		

Mean daily area for 30 days=848.

[1] Plate quality.
*Not numbered.
VG, very good; G, good; F, fair; P, poor; VP, very poor.

PROVISIONAL SUNSPOT RELATIVE NUMBERS FOR MARCH 1939

[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	*ad* 102	11	49	21	*Ec* 89
2	92	12	55	22	77
3	70	13	*Ec* 55	23	*a* 74
4	79	14	*a* --	24	*a* 66
5	----------	15	58	25	48
6	----------	16	*Wac* 55	26	49
7	*a* --	17	*Wac* 83	27	----------
8	*d* 44	18	*E* 112	28	35
9	*Mc* --	19	133	29	41
10	47	20	110	30	36
				30	35

Mean, 25 days=67.8.

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 large 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.