POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR SEPTEMBER 1946—Continued

Date	Eastern standard time	Mount Wilson group No.	Heliographic: Difference in longitude	Heliographic: Longitude	Heliographic: Latitude	Heliographic: Distance from center of disk	Area of spot or group	Spot count	Plate quality	Observatory
1946	*h m*		°	°	°	°				
Sept. 23	14 58	8205	−67	71	+19	67	194	1	P	U. S. Naval.
		8204	−64	74	−8	66	97	1		
		8203	−57	81	−17	61	121	3		
		8203	−52	86	−16	56	97	3		
		8201	−50	88	+18	50	24	1		
		8202	−47	91	−16	52	12	4		
		8200	−34	104	+24	37	145	6		
		8200	−32	106	+24	35	97	3		
		8207	−21	117	+21	25	12	2		
		8198	−16	122	+24	23	73	1		
		8199	−14	124	+6	14	218	1		
		8197	−3	135	+23	17	12	2		
		8197	+4	142	+22	16	145	8		
		8197	+9	147	+21	17	242	2		
		8193	+52	190	+21	52	73	2		
		8193	+55	193	+18	55	24	4		
		8193	+60	198	+17	60	48	1		
		8196	+65	203	+15	65	6	1		
		(12)		(138)	(+7)		1,640	46		
24	9 45	8210	−70	57	−15	72	12	1	G	Mt. Wilson.
		8205	−55	72	+20	55	145	1		
		8204	−51	76	−8	52	61	1		
		8203	−47	80	−17	53	145	21		
		8203	−41	86	−17	48	61	3		
		8201	−40	87	+20	42	12	2		
		8200	−27	100	+26	33	194	29		
		8200	−23	104	+26	29	73	3		
		8207	−10	117	+21	17	12	7		
		8208	−9	118	+13	11	11	6		
		8198	−5	122	+26	20	97	1		
		8199	−3	124	+7	3	206	1		
		8197	+13	140	+22	20	194	9		
		8197	+20	147	+21	23	291	1		
		8206	+31	158	−14	38	12	2		
		8206	+34	161	−14	40	24	10		
		(*)	+41	168	+30	45	12	5		
		8193	+63	190	+21	63	48	9		
		8193	+72	199	+15	73	73	14		
		(14)		(127)	(+7)		1,684	126		
25	10 36	8210	−55	59	−15	60	12	3	G	U. S. Naval.
		8205	−41	73	+19	42	109	1		
		8204	−38	76	−8	41	73	1		
		8203	−37	77	−17	43	73	10		
		8203	−29	85	−17	37	121	13		
		8201	−25	89	+20	28	12	2		
		8200	−13	101	+26	22	194	14		
		8200	−9	105	+26	21	194	12		
		(*)	−7	107	+33	26	6	2		
		8207	+2	116	+20	13	24	12		
		8198	+7	121	+25	19	73	1		
		8199	+9	123	+6	9	206	1		
		8212	+24	138	−25	40	12	8		
		8197	+25	139	+21	28	73	3		
		8197	+31	145	+21	33	582	12		
		8206	+45	159	−15	50	242	13		
		8211	+73	187	−15	76	48	4		
		8193	+76	190	+20	76	48	1		
		(15)		(114)	(+7)		2,102	113		
26	10 51	8205	−33	67	+21	35	12	2	G	Do.
		8213	−32	68	−43	57	24	5		
		8205	−28	72	+19	30	61	1		
		8204	−24	76	−9	29	73	9		
		8203	−23	77	−18	33	48	6		
		8203	−16	84	−17	29	170	12		
		8200	+1	101	+26	20	267	17		
		8200	+6	106	+25	19	242	7		
		8207	+12	112	+21	19	12	12		
		8198	+21	121	+25	27	61	1		
		8199	+23	123	+6	23	206	3		
		(*)	+23	123	−14	31	12	4		
		8212	+39	139	−26	50	12	2		
		8197	+40	140	+21	41	291	12		
		8197	+47	147	+20	48	533	4		
		8206	+59	159	−15	62	242	5		
		8206	+63	163	−15	67	291	4		
		(12)		(100)	(+7)		2,557	106		
27	10 20	8216	−85	2	−18	85	291	1	G	Do.
		8205	−19	68	+21	23	6	9		
		8213	−19	68	−43	53	12	6		
		8205	−15	72	+19	19	24	13		
		8204	−11	76	−9	20	48	15		
		8203	−9	78	−18	26	24	16		
		8203	−2	85	−17	24	170	18		
		8215	−1	86	+27	21	6	2		
		8214	+1	88	+19	12	6	2		
		8200	+14	101	+26	23	194	23		
		8200	+18	105	+25	25	291	12		
		8207	+26	113	+21	29	12	6		
		8198	+35	122	+24	38	48	3		
		8199	+37	124	+5	37	206	3		

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR SEPTEMBER 1946—Continued

Date	Eastern standard time	Mount Wilson group No.	Heliographic: Difference in longitude	Heliographic: Longitude	Heliographic: Latitude	Heliographic: Distance from center of disk	Area of spot or group	Spot count	Plate quality	Observatory
1946	*h m*		°	°	°	°				
Sept. 27	10 20	8212	+52	139	−27	61	16	3		U. S. Naval.
		8197	+52	139	+20	52	291	10		
		8197	+59	146	+19	59	485	3		
		8206	+72	159	−16	75	679	1		
		8206	+77	164	−15	79	485	6		
		(14)		(87)	(+7)		3,294	152		
28	15 13	8216	−70	1	−18	73	388	1	F	Do.
		(*)	−10	61	−21	30	16	4		
		8213	−10	61	−43	51	24	2		
		8213	−5	66	−43	50	24	4		
		8205	−2	69	+21	14	12	2		
		8205	+2	73	+19	12	24	7		
		8204	+5	76	−10	18	36	5		
		8204	+6	77	−19	27	12	1		
		8203	+13	84	−18	29	170	15		
		8217	+19	90	−9	25	12	2		
		8200	+29	100	+26	34	218	13		
		8200	+33	104	+25	37	436	12		
		8198	+49	120	+24	50	24	1		
		8199	+52	123	+5	52	206	1		
		8197	+67	138	+20	67	242	8		
		8197	+73	144	+19	73	412	1		
		(11)		(71)	(+7)		2,256	79		
29	10 7	8216	−58	3	−18	63	388	1	F	Mt. Wilson.
		8219	−19	42	−27	38	16	9		
		8213	+3	64	−42	50	24	8		
		8218	+4	65	−21	28	73	7		
		8213	+8	69	−42	50	36	6		
		8205	+11	72	+19	16	48	8		
		8204	+18	79	−8	24	48	8		
		8203	+18	79	−19	32	24	3		
		8203	+27	88	−17	37	109	5		
		8200	+40	101	+27	43	24	4		
		8200	+42	102	+25	44	436	15		
		8198	+60	121	+25	61	12	1		
		8199	+65	126	+5	65	194	1		
		8197	+80	141	+22	80	194	3		
		8197	+88	149	+21	88	388	1		
		(11)		(61)	(+7)		2,014	80		
30	10 18	8216	−44	4	−17	50	364	1	G	U. S. Naval.
		8218	+11	59	−22	31	6	2		
		8213	+14	62	−42	50	12	4		
		8218	+18	66	−22	34	12	1		
		8205	+25	73	+17	27	24	1		
		8204	+32	80	−11	36	12	4		
		8203	+39	87	−18	46	121	7		
		8200	+52	100	+24	53	218	5		
		8200	+57	105	+23	58	339	11		
		8198	+72	120	+24	72	12	1		
		8199	+78	126	+5	78	194	1		
		(9)		(48)	(+7)		1,314	38		

Mean daily area for 30 days=1,764
Mean 10g+s for 30 days=161.8

*Not numbered.
VG=very good; G=good; F=fair; P=poor.
g=number of groups; s=number of spots.

PROVISIONAL RELATIVE SUNSPOT NUMBERS FOR SEPTEMBER 1946

[Based on observations at Zurich. Data furnished through the courtesy of Prof. W. Brunner, Swiss Federal Observatory, Zurich, Switzerland.]

September 1946	Relative numbers	September 1946	Relative numbers	September 1946	Relative numbers
1	115	11	49	21	88
2	128	12	68	22	101
3	127	13	92	23	133
4	97	14	89	24	109
5	63	15	100	25	139
6	49	16	95	26	132
7	49	17	90	27	152
8	49	18	99	28	129
9	40	19	100	29	105
10	50	20	90	30	93

Mean, 30 days =93.7

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