POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR SEPTEMBER 1946

By LUCY T. DAY

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[Communicated by the Superintendent, U. S. Naval Observatory.] All measurements and spot counts were made at the Naval Observatory from plates taken at the observatories indicated. Difference in longitude is measured from the central meridian, positive toward the west. Latitude is positive toward the north. Areas are corrected for foreshortening and expressed in millionths of Sun's hemisphere. For each day under Mount Wilson group number, longitude, latitude, area of spot or group, and spot count, are included respectively: number of groups, assumed longitude of center of the disk, assumed latitude of center of the disk, total areas of spots and groups, and total spot count.

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. 1	11 54	8182	−72	358	+17	73	121	1	F	U. S. Naval.
		8181	−57	13	+18	57	24	3		
		8179	−51	19	+15	51	194	1		
		8180	−39	31	+7	39	12	2		
		8178	−27	43	+15	29	12	1		
		8177	−3	67	+18	12	194	10		
		8177	+3	73	+18	12	339	1		
		8175	+7	77	−12	21	97	8		
		8175	+13	83	−11	23	194	6		
		8172	+27	97	−24	41	48	3		
		8172	+33	103	−23	41	73	1		
		8173	+35	105	+27	40	73	10		
		8173	+41	111	+26	44	97	6		
		8174	+45	115	+23	47	194	11		
		8174	+50	120	+26	52	73	1		
		8170	+54	124	+9	54	436	1		
		8169	+70	140	+16	71	6	1		
		(12)		(70)	(+7)		2,187	67		
2	10 34	8182	−60	357	+17	60	121	6	VG	Do.
		8183	−50	7	−38	63	12	2		
		8181	−46	11	+18	48	24	5		
		8179	−39	18	+15	40	170	1		
		8178	−15	42	+15	17	24	3		
		8178	−12	45	+14	14	24	6		
		8177	+4	61	+17	11	12	8		
		8177	+7	64	+17	13	121	3		
		8177	+10	67	+17	15	12	4		
		(*)	+13	70	−13	24	12	2		
		8177	+15	72	+17	18	339	1		
		8175	+21	78	−12	28	97	15		
		8175	+28	85	−11	34	194	11		
		(*)	+35	92	+20	36	12	7		
		8172	+45	102	−23	53	73	1		
		8173	+49	106	+27	51	48	7		
		8173	+58	115	+22	59	291	9		
		8173	+60	117	+25	61	291	3		
		8174	+62	119	+23	63	97	12		
		8174	+65	122	+25	66	61	3		
		8170	+68	125	+9	68	436	1		
		(13)		(57)	(+7)		2,471	110		
3	10 41	8184	−88	316	−15	88	145	1	G	Do.
		8184	−75	329	−17	78	97	2		
		8182	−47	357	+17	48	194	3		
		8183	−39	5	−38	58	48	4		
		8181	−31	13	+18	33	48	8		
		8179	−26	18	+15	27	194	1		
		8180	−10	34	+7	11	12	6		
		8178	−1	43	+14	7	12	3		
		8177	+20	64	+17	22	109	4		
		8177	+25	69	+17	27	12	8		
		8177	+29	73	+17	30	291	1		
		8175	+34	78	−13	40	48	9		
		8175	+41	85	−11	45	24	6		
		8175	+42	86	−12	45	194	1		
		8172	+60	104	−25	67	73	1		
		8174	+70	114	+22	71	582	15		
		8173	+71	115	+25	72	97	7		
		8170	+80	124	+8	80	436	1		
		(13)		(44)	(+7)		2,616	81		
4	10 32	8184	−71	320	−15	73	145	1	F	Do.
		8184	−65	326	−16	67	12	1		
		8184	−60	331	−17	64	48	3		
		8182	−34	357	+16	36	194	5		
		8183	−25	6	−37	50	48	6		
		8181	−22	9	+16	24	12	3		
		8181	−18	13	+16	21	12	4		
		8181	−16	15	+18	20	24	3		
		8179	−12	19	+14	14	194	1		
		8178	+16	47	+12	17	12	3		
		8177	+32	63	+16	34	73	5		
		8177	+35	66	+16	37	24	2		
		8177	+40	71	+16	40	291	3		
		(*)	+46	77	−13	50	24	9		
		8175	+55	86	−12	58	267	5		
		8172	+72	103	−24	78	97	1		
		8174	+80	111	+18	80	97	1		
		8173	+85	116	+22	85	388	2		
		(12)		(31)	(+7)		1,962	58		

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. 5	12 32	8184	−56	321	−15	60	194	1	F	U. S. Naval.
		8184	−51	326	−16	55	24	1		
		8184	−46	331	−16	50	61	2		
		8182	−25	352	+18	28	61	6		
		8182	−20	357	+17	22	170	1		
		8183	−10	7	−37	47	6	3		
		8181	−8	9	+19	15	12	2		
		8179	−1	16	+13	6	24	3		
		8179	+1	18	+14	7	194	1		
		8179	+4	21	+13	7	48	3		
		8177	+45	62	+16	46	73	5		
		8177	+54	71	+17	54	388	1		
		8175	+70	87	−11	72	194	2		
		(7)		(17)	(+7)		1,449	31		
6	11 41	8184	−44	320	−15	49	170	1	F	Do.
		8184	−37	327	−15	43	218	10		
		8184	−33	331	−15	40	61	3		
		8182	−12	352	+18	17	61	4		
		8182	−7	357	+16	12	170	1		
		8179	+12	16	+13	13	48	6		
		8179	+14	18	+14	17	194	1		
		8177	+58	62	+16	58	48	2		
		8177	+67	71	+17	67	388	3		
		8175	+87	91	−11	88	48	1		
		(5)		(4)	(+7)		1,406	32		
7	9 45	8184	−31	321	−16	39	121	1	G	Mt. Wilson.
		8184	−27	325	−15	35	6	1		
		8184	−26	326	−16	36	97	17		
		8184	−20	332	−16	31	24	4		
		8182	+1	353	+18	11	6	2		
		8182	+7	359	+17	12	73	1		
		8179	+26	18	+14	28	24	9		
		8179	+27	19	+15	28	170	1		
		8185	+52	44	+16	52	6	1		
		8177	+70	62	+17	71	24	2		
		8177	+81	73	+19	81	388	1		
		(5)		(352)	(+7)		939	40		
8	9 35	8184	−19	320	−16	30	121	2	G	Do.
		8184	−15	324	−16	28	48	15		
		8184	−11	328	−18	27	12	5		
		8184	−8	331	−15	25	61	6		
		8187	−4	335	+29	23	6	3		
		8182	+19	358	+16	21	73	7		
		8186	+22	1	+13	23	12	3		
		8179	+40	19	+15	40	158	1		
		(5)		(339)	(+7)		491	42		
9	10 34	(*)	−85	240	+12	85	48	1	G	U. S. Naval.
		(*)	−85	240	+16	85	36	1		
		8184	−4	321	−15	23	73	5		
		8184	+1	326	−15	24	48	24		
		8184	+6	331	−15	23	24	2		
		8182	+32	357	+17	34	48	4		
		8186	+33	358	+12	33	24	1		
		8186	+38	3	+13	39	6	2		
		8179	+51	16	+15	51	194	1		
		(6)		(325)	(+7)		501	41		
10	11 5	8190	−63	248	−18	68	12	3	F	Do.
		8189	−42	269	−14	46	24	11		
		8189	−40	271	−14	45	61	2		
		8188	−7	304	−24	33	6	2		
		(*)	−7	304	+27	22	6	3		
		8184	+9	320	−14	23	24	11		
		8184	+15	326	−15	27	24	5		
		8184	+19	330	−15	29	24	3		
		8182	+45	356	+16	46	12	4		
		8186	+51	2	+13	51	6	1		
		8179	+65	16	+15	65	194	1		
		(8)		(311)	(+7)		393	46		
11	10 22	8191	−55	244	+11	55	12	5	G	Do.
		8190	−49	250	−20	54	6	1		
		8190	−47	252	−19	53	73	7		
		8189	−29	270	−15	37	61	11		
		8189	−25	274	−15	33	194	1		
		8184	+21	320	−15	31	6	5		
		8184	+30	329	−16	37	12	4		
		8179	+65	4	+13	65	12	3		
		8179	+79	18	+15	79	145	1		
		(5)		(299)	(+7)		521	38		

See footnotes at end of table.

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. 12	10 35	8193	−88	197	+19	88	194	1	G	U. S. Naval.
		8192	−65	220	+17	65	6	1		
		8191	−45	240	+11	45	12	1		
		8191	−40	245	+12	40	121	12		
		8190	−35	250	−18	43	12	10		
		8190	−31	254	−19	40	97	8		
		8189	−17	268	−15	28	73	5		
		8189	−11	274	−15	25	194	3		
		8184	+47	332	−19	52	61	8		
		(6)		(285)	(+7)		770	49		
13	10 18	8193	−85	187	+23	85	970	6	G	Do.
		8193	−75	197	+19	76	194	1		
		8193	−61	211	+25	62	12	1		
		8192	−50	222	+18	50	12	1		
		8191	−32	240	+11	33	24	2		
		8191	−29	243	+12	29	315	6		
		8191	−26	246	+12	27	218	4		
		8190	−21	251	−18	33	121	17		
		8189	−5	267	−15	23	73	9		
		8189	+1	273	−15	24	218	4		
		8184	+61	333	−19	67	24	4		
		(6)		(272)	(+7)		2,181	55		
14	11 6	8193	−73	186	+22	73	170	2	G	Mt. Wilson.
		8193	−68	191	+23	69	776	17		
		8193	−67	192	+18	67	24	2		
		8193	−64	195	+24	64	12	2		
		8193	−60	199	+18	60	194	1		
		8192	−36	223	+17	38	12	1		
		8191	−16	243	+12	17	291	34		
		8191	−10	249	+12	11	267	1		
		8190	−8	251	−19	27	48	24		
		8190	−5	254	−18	26	97	16		
		8189	+8	267	−15	24	73	16		
		8189	+13	272	−13	23	242	1		
		8194	+26	285	−21	38	12	2		
		(6)		(259)	(+7)		2,218	119		
15	12 6	8195	−80	165	+19	80	97	3	F	U. S. Naval.
		8193	−54	191	+21	55	824	7		
		8193	−46	199	+18	47	145	1		
		8192	−21	224	+17	23	61	4		
		8191	−1	244	+11	4	291	15		
		8191	+4	249	+12	5	291	1		
		8190	+8	253	−19	28	145	5		
		8189	+24	269	−14	32	12	1		
		8189	+30	275	−14	36	242	1		
		(6)		(245)	(+7)		2,108	38		
16	10 23	8195	−68	165	+19	69	97	4	G	Do.
		8195	−65	168	+17	65	6	3		
		8193	−42	191	+21	43	485	5		
		8193	−39	194	+23	41	145	1		
		8193	−39	194	+19	40	194	8		
		8193	−33	200	+18	35	145	1		
		8196	−33	200	+15	34	12	6		
		8192	−7	226	+17	12	12	2		
		8191	+10	243	+11	11	339	12		
		8191	+17	250	+12	18	388	4		
		8190	+20	253	−19	33	73	6		
		8189	+37	270	−14	42	6	2		
		8189	+41	274	−14	46	242	1		
		(7)		(233)	(+7)		2,144	55		
17	10 24	8195	−55	164	+19	55	73	4	G	Do.
		8195	−51	168	+17	51	6	1		
		8193	−30	189	+21	32	436	8		
		8193	−27	192	+20	29	339	5		
		8193	−23	196	+17	25	48	14		
		8193	−21	198	+18	24	121	1		
		8196	−20	199	+16	22	24	4		
		8191	+23	242	+11	24	291	18		
		8191	+27	246	+11	27	97	4		
		8191	+30	249	+12	30	388	1		
		8190	+30	249	−19	40	12	6		
		(*)	+31	250	−29	47	12	3		
		8189	+49	268	−14	53	6	1		
		8189	+54	273	−14	58	242	1		
		(7)		(219)	(+7)		2,095	71		

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. 18	10 30	8199	−86	120	+8	86	242	1	F	U. S. Naval.
		8198	−80	126	+27	81	145	1		
		8195	−40	166	+20	42	24	3		
		8193	−17	189	+21	22	436	13		
		8193	−14	192	+19	19	291	8		
		8196	−9	197	+15	12	121	15		
		8193	−8	198	+17	13	97	1		
		8196	−5	201	+15	10	48	4		
		8191	+37	243	+10	37	291	13		
		8191	+40	246	+10	40	97	5		
		8191	+42	248	+11	42	412	1		
		(*)	+43	249	−30	56	24	4		
		8189	+67	273	−14	70	194	1		
		(8)		(206)	(+7)		2,422	70		
19	10 17	8199	−71	122	+7	71	242	1	G	Do.
		8198	−68	125	+26	69	145	1		
		8197	−51	142	+23	52	12	2		
		8195	−28	165	+17	29	6	1		
		8193	−5	188	+21	15	388	18		
		8193	−2	191	+19	12	242	19		
		8193	+1	194	+18	11	97	3		
		8193	+3	196	+17	11	24	3		
		8193	+5	198	+14	10	24	9		
		1893	+6	199	+17	12	97	1		
		8196	+8	201	+15	11	24	3		
		8191	+50	243	+10	50	291	13		
		8191	+55	248	+10	55	436	1		
		8189	+80	273	−14	82	194	1		
		(8)		(193)	(+7)		2,222	76		
20	9 40	8199	−56	124	+7	56	218	1	G	Mt. Wilson.
		8198	−56	124	+26	58	145	1		
		8198	−55	125	+25	57	16	8		
		8195	−16	164	+19	20	24	6		
		8193	+5	185	+23	17	12	2		
		8193	+9	189	+21	17	727	64		
		8193	+16	196	+20	20	24	7		
		8193	+17	197	+16	20	48	22		
		8193	+18	198	+17	21	73	1		
		8196	+21	201	+15	23	24	3		
		8191	+65	245	+13	65	291	16		
		8191	+70	250	+13	70	436	1		
		(6)		(180)	(+7)		2,038	132		
21	11 19	8201	−80	86	+24	81	6	1	G	U. S. Naval.
		8201	−70	96	+24	71	6	2		
		8200	−65	101	+25	66	12	5		
		8200	−61	105	+25	62	24	2		
		8198	−44	122	+25	46	121	1		
		8199	−43	123	+6	43	218	1		
		8198	−42	124	+24	44	24	4		
		8197	−24	142	+23	29	12	6		
		8195	+6	172	+22	16	24	4		
		8193	+24	190	+20	27	436	45		
		8193	+30	196	+15	31	97	10		
		8196	+31	197	+14	32	24	9		
		8191	+81	247	+10	81	582	2		
		(9)		(166)	(+7)		1,586	92		
22	14 11	8205	−80	71	+19	80	194	1	P	Do.
		8204	−80	71	−10	81	97	1		
		8203	−74	77	−16	76	24	3		
		8201	−63	88	+19	64	48	3		
		8202	−62	89	−15	65	12	2		
		8200	−47	104	+25	49	48	6		
		8199	−28	123	+6	28	218	1		
		8198	−28	123	+25	32	97	2		
		8197	−9	142	+22	18	97	5		
		8197	−5	146	+21	14	97	8		
		8195	+20	171	+21	24	12	4		
		8193	+39	190	+20	40	339	27		
		8193	+47	198	+16	47	48	5		
		8196	+52	203	+14	52	12	2		
		(12)		(151)	+(7)		1,343	70		

See footnotes at end of table.

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