POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR NOVEMBER 1946

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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 area 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*		°	°	°	°				
Nov. 1	12 49	8262	−68	276	−20	71	24	1	G	U. S. Naval.
		8260	−37	307	+33	45	24	1		
		8260	−34	310	+30	42	36	3		
		(*)	−26	318	+25	33	12	2		
		8259	−4	340	+10	7	12	1		
		8261	+19	3	−31	39	61	1		
		8261	+20	4	−29	38	12	1		
		8253	+20	4	−15	27	121	1		
		8253	+25	9	−15	31	194	1		
		8261	+25	9	−25	38	97	17		
		8258	+39	23	+11	40	12	1		
		8254	+45	29	+15	46	12	4		
		8251	+56	40	−11	58	61	2		
		8251	+57	41	−8	58	48	6		
		8251	+73	57	−9	73	242	1		
		(9)		(344)	(+4)		968	43		
2	11 45	8262	−61	271	−20	65	24	1	F	Do.
		8262	−55	277	−21	60	97	6		
		8260	−18	314	+27	28	24	1		
		8261	+31	3	−32	46	48	1		
		8253	+34	6	−15	39	73	1		
		8253	+39	11	−15	42	194	1		
		8261	+40	12	−26	49	73	5		
		8254	+60	32	+13	60	6	3		
		8251	+70	42	−12	71	121	2		
		8251	+71	43	−8	70	97	1		
		(6)		(332)	(+4)		757	22		
3	12 15	8262	−42	276	−20	48	121	(†)		Mt. Wilson.
		(*)	−14	304	+16	19	12			
		8260	−5	313	+27	24	24			
		8261	+41	359	−31	52	24			
		8253	+48	6	−14	51	218			
		8261	+50	8	−23	56	48			
		(5)		(318)	(+4)		447			
4	10 38	8264	−75	231	−24	77	194	1	F	U. S. Naval.
		8263	−64	242	−30	70	48	1		
		8262	−35	271	−22	42	97	10		
		8262	−33	273	−17	39	12	2		
		8262	−27	279	−21	36	121	7		
		8260	+5	311	+27	23	12	5		
		8260	+7	313	+27	24	12	1		
		8253	+60	6	−15	62	61	1		
		8261	+60	6	−30	67	48	2		
		8261	+63	9	−28	69	48	1		
		8253	+65	11	−15	62	170	1		
		(6)		(306)	(+4)		823	32		
5	10 45	(*)	−88	205	−32	88	97	1	F	Do.
		8266	−80	213	+10	80	97	1		
		8266	−71	222	+12	71	48	1		
		8266	−71	222	+16	71	48	1		
		8265	−70	223	+17	70	73	1		
		8264	−61	232	−24	66	194	1		
		8263	−55	238	−30	64	48	1		
		8263	−50	243	−29	59	12	1		
		8262	−20	273	−22	32	48	5		
		8262	−15	278	−22	29	61	2		
		8262	−11	282	−21	27	73	6		
		8260	+22	315	+27	31	24	1		
		8253	+73	6	−16	75	48	1		
		8253	+79	12	−15	80	145	1		
		(8)		(293)	(+4)		1,016	24		
6	11 54	8266	−79	200	+11	79	242	2	G	Do.
		8271	−76	203	−12	77	291	2		
		8270	−68	211	+18	68	48	1		
		8266	−67	212	+11	67	170	3		
		8265	−57	222	+16	57	121	4		
		8264	−47	232	−22	53	194	1		
		8263	−42	237	−29	52	24	3		
		8263	−36	243	−27	47	48	1		

See footnotes at end of table.

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR NOVEMBER 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*		°	°	°	°				
Nov. 6	11 54	8269	−35	244	−15	39	48	1		U. S. Naval.
		8262	−7	272	−20	25	194	9		
		8262	−2	277	−21	25	145	4		
		8262	+1	280	−21	25	97	5		
		8262	+3	282	−18	23	48	1		
		8260	+35	314	+27	41	12	4		
		8268	+36	315	+21	39	6	1		
		8267	+60	339	+11	60	97	1		
		8267	+65	344	+10	65	194	3		
		(11)		(279)	(+4)		1,979	46		
7	12 20	8272	−85	180	+16	85	97	1	F	Mt. Wilson.
		8266	−62	203	+10	62	145	6		
		8271	−60	205	−13	62	145	1		
		8270	−54	211	+18	55	48	1		
		8266	−51	214	+11	52	218	10		
		8265	−43	222	+16	45	97	14		
		8264	−34	231	−23	42	170	1		
		8263	−28	237	−29	42	12	1		
		8263	−23	242	−28	40	36	3		
		8269	−22	243	−16	29	24	4		
		8262	+10	275	−21	26	97	1		
		8262	+17	282	−20	28	242	4		
		8260	+50	315	+27	53	12	2		
		8267	+77	342	+10	77	242	2		
		(11)		(265)	(+4)		1,585	51		
8	11 30	8272	−73	180	+15	73	97	4	F	U. S. Naval.
		8266	−51	202	+11	52	206	2		
		8271	−49	204	−12	51	158	1		
		8266	−47	206	+11	48	145	6		
		8266	−40	213	+11	41	61	2		
		8270	−40	213	+19	42	61	2		
		8266	−38	215	+13	39	12	1		
		8265	−30	223	+15	32	73	5		
		8264	−21	232	−22	33	145	1		
		8263	−18	235	−30	38	12	1		
		8263	−10	243	−29	34	36	1		
		8269	−9	244	−17	23	12	1		
		8262	+19	272	−22	32	61	4		
		8262	+23	276	−21	34	48	3		
		8262	+30	283	−21	38	97	6		
		8260	+64	317	+27	65	6	1		
		(10)		(253)	(+4)		1,230	41		
9	11 39	8275	−85	154	+30	85	73	1	F	Do.
		8274	−81	159	−15	80	97	1		
		8272	−57	182	+15	58	194	10		
		8266	−37	202	+10	38	194	4		
		8266	−33	206	+11	34	121	5		
		8271	−33	206	−12	36	194	2		
		8266	−30	209	+9	31	73	4		
		8266	−26	213	+10	27	73	4		
		8270	−26	213	+18	30	12	1		
		8265	−16	223	+15	20	48	5		
		8264	−8	231	−24	29	194	1		
		8273	−7	232	+10	9	12	1		
		8263	0	239	−30	34	12	3		
		8263	+3	242	−28	32	12	1		
		8262	+33	272	−22	41	48	4		
		8262	+38	277	−21	45	12	3		
		8262	+45	284	−21	51	73	10		
		8260	+73	312	+28	74	6	1		
		(12)		(239)	(+4)		1,448	61		
10	13 16	8278	−87	138	−19	87	97	1	G	Do.
		8275	−73	152	+28	73	48	1		
		8275	−70	155	+30	70	97	1		
		8274	−66	159	−15	68	145	3		
		8277	−60	165	−20	63	24	3		
		8277	−54	171	−18	58	24	2		
		8272	−45	180	+16	46	48	2		
		8272	−42	183	+15	44	194	3		
		8266	−22	203	+10	23	242	2		
		8266	−20	205	+11	22	121	5		
		8271	−19	206	−12	24	194	3		
		8266	−14	211	+9	15	48	3		
		8266	−12	213	+10	14	97	6		
		8270	−12	213	+17	19	12	1		
		8265	−3	222	+15	12	61	13		
		8264	+7	232	−24	29	194	1		
		8273	+8	233	+11	11	24	6		
		8262	+46	271	−23	51	61	3		
		8262	+52	277	−21	57	73	3		
		8262	+55	280	−20	60	97	3		
		8262	+60	285	−22	64	97	2		
		8276	+80	305	−18	80	24	1		
		(13)		(225)	(+3)		2,022	68		

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR NOVEMBER 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*		°	°	°	°				
Nov. 12	11 32	8281	−68	132	+20	69	97	1	F	U. S. Naval.
		8278	−58	142	−20	61	97	1		
		8274	−41	159	−15	44	145	1		
		8280	−40	160	+12	40	97	6		
		8277	−30	170	−19	37	121	9		
		8277	−25	175	−18	32	170	3		
		8272	−17	183	+14	20	145	15		
		8272	−15	185	+14	18	158	1		
		8266	+2	202	+10	7	291	2		
		8266	+8	208	+10	11	97	8		
		8271	+8	208	−12	17	121	1		
		8266	+14	214	+9	15	97	6		
		8264	+32	232	−24	41	194	1		
		8264	+34	234	−25	42	61	7		
		8262	+61	261	−23	65	12	1		
		8262	+76	276	−21	78	97	6		
		(10)		(200)	(+3)		2,000	69		
13	10 22	8281	−55	132	+20	56	73	1	F	Do.
		8278	−44	143	−21	50	73	1		
		8274	−30	157	−15	35	109	1		
		8280	−29	158	+12	30	73	4		
		8280	−25	162	+12	27	73	3		
		8277	−17	170	−19	28	267	15		
		8277	−11	176	−18	23	291	5		
		8272	−7	180	+14	13	97	5		
		8272	−3	184	+12	10	97	7		
		8272	−3	184	+13	11	109	1		
		8266	+15	202	+10	17	291	1		
		8266	+20	207	+11	21	73	3		
		8271	+21	208	−12	26	121	1		
		8266	+26	213	+9	27	48	1		
		8264	+45	232	−24	52	194	2		
		8264	+48	235	−24	54	24	2		
		(9)		(187)	(+3)		2,013	53		
14	11 13	8283	−81	93	+23	81	48	1	G	Do.
		8281	−42	132	+20	44	61	1		
		8278	−31	143	−21	38	61	1		
		8274	−16	158	−15	24	97	1		
		8280	−15	159	+12	17	73	14		
		8274	−12	162	−17	23	6	1		
		8280	−10	164	+11	12	145	2		
		8277	−4	170	−20	23	242	16		
		8277	+3	177	−19	22	242	3		
		(*)	+3	177	+17	14	24	1		
		8272	+10	184	+12	13	145	7		
		8272	+12	186	+14	16	145	5		
		8272	+14	188	+13	17	24	2		
		8266	+28	202	+9	29	24	4		
		8266	+30	204	+10	31	218	1		
		8271	+34	208	−12	36	121	1		
		8266	+35	209	+10	35	48	1		
		8266	+39	213	+9	39	36	2		
		8264	+59	233	−24	62	339	4		
		8264	+61	235	−24	66	48	5		
		(11)		(174)	(+3)		2,147	73		
15	10 26	8283	−73	88	+21	73	194	1	G	Do.
		8282	−70	91	−9	70	73	1		
		8283	−69	92	+22	69	145	1		
		8281	−30	131	+20	33	61	1		
		8278	−19	142	−21	31	48	1		
		8274	−3	158	−15	18	145	1		
		8280	−3	158	+12	9	121	10		
		8280	+3	164	+12	9	194	1		
		8280	+3	164	+11	8	48	7		
		8277	+8	169	−20	24	145	10		
		8277	+15	176	−19	27	24	4		
		8277	+18	179	−18	28	242	1		
		8272	+21	182	+12	22	61	6		
		8272	+25	186	+13	27	97	3		
		8266	+41	202	+10	41	170	1		
		8266	+46	207	+10	46	12	1		
		8271	+47	208	−12	48	97	1		
		8279	+71	232	−24	76	339	5		
		8279	+78	239	−25	80	242	3		
		8264	+81	242	−23	82	48	1		
		(12)		(161)	(+3)		2,506	60		
16	10 26	8283	−60	88	+21	61	121	1	F	Do.
		8283	−59	89	+22	60	194	1		
		8282	−56	92	−9	58	145	1		
		8281	−18	130	+20	24	61	1		

See footnotes at end of table.

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR NOVEMBER 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*		°	°	°	°				
Nov. 16	10 26	8278	−5	143	−21	24	61	1		U. S. Naval.
		8274	+11	159	−15	21	97	1		
		8274	+12	160	−16	22	24	3		
		8280	+12	160	+13	16	121	7		
		8280	+15	163	+13	18	48	6		
		8280	+17	165	+12	19	194	2		
		8277	+22	170	−21	32	145	12		
		8277	+31	179	−18	37	291	1		
		8272	+37	185	+14	38	24	6		
		8272	+39	187	+14	40	73	1		
		8272	+42	190	+12	42	48	8		
		8266	+58	206	+11	58	97	2		
		8271	+61	209	−12	64	97	1		
		(10)		(148)	(+3)		1,841	55		
17	12 10	8286	−78	56	−6	78	12	(†)		Mt. Wilson.
		8283	−46	88	+23	48	145			
		8282	−41	93	−8	43	121			
		8285	−6	128	−22	25	48			
		8281	−4	130	+22	19	48			
		8278	+8	142	−19	23	48			
		8284	+16	150	+31	32	24			
		8274	+27	161	−14	32	145			
		8280	+32	166	+13	33	242			
		8277	+45	179	−15	48	388			
		8272	+53	187	+16	55	170			
		8266	+72	206	+12	72	24			
		8271	+74	208	−11	74	48			
		(13)		(134)	(+3)		1,463			
18	10 55	8288	−77	44	+15	77	145	1	G	U. S. Naval.
		8286	−65	56	−6	65	61	1		
		8283	−33	88	+21	37	97	1		
		8283	−32	89	+24	38	24	1		
		8283	−31	90	+22	36	170	1		
		8282	−27	94	−9	29	121	4		
		8285	+8	129	−23	26	48	5		
		8281	+9	130	+20	20	48	2		
		8287	+19	140	+12	21	97	11		
		8278	+19	140	−21	30	24	1		
		8284	+28	149	+28	37	24	2		
		8284	+36	157	+11	37	12	2		
		8274	+37	158	−16	40	121	6		
		8274	+41	162	−16	43	194	3		
		8280	+45	166	+11	46	194	2		
		8277	+47	168	−20	51	24	7		
		8277	+55	176	−17	59	339	1		
		8272	+64	185	+14	65	170	6		
		(13)		(121)	(+2)		1,913	57		
19	10 53	8290	−75	33	+11	75	242	2	F	Do.
		8288	−62	46	+15	63	97	3		
		8286	−51	57	−6	52	61	1		
		8283	−21	87	+21	28	61	1		
		8283	−19	89	+23	28	145	1		
		8282	−17	91	−11	22	121	8		
		8282	−14	94	−9	18	97	1		
		8285	+21	129	−23	32	48	1		
		8281	+22	130	+20	28	48	1		
		8287	+33	141	+10	34	73	3		
		8278	+33	141	−21	39	24	1		
		8274	+53	161	−16	56	242	7		
		8280	+58	166	+11	58	194	1		
		8277	+69	177	−18	71	339	1		
		8272	+78	186	+14	78	121	1		
		(13)		(108)	(+2)		1,913	33		
20	10 39	8290	−70	25	+15	71	24	2	F	Do.
		8290	−61	34	+11	62	291	3		
		(*)	−50	45	−11	51	24	3		
		8288	−49	46	+13	50	145	8		
		8286	−38	57	−7	39	61	1		
		8283	−7	88	+20	19	145	2		
		8282	−3	92	−11	13	267	9		
		8281	+35	130	+19	38	48	1		
		8285	+36	131	−25	43	24	1		
		8287	+45	140	+10	46	97	3		
		8274	+65	160	−16	67	73	1		
		8274	+66	161	−17	68	24	1		
		8274	+70	165	−18	72	194	1		
		8280	+71	166	+11	71	242	1		
		8277	+88	184	−18	89	242	1		
		(12)		(95)	(+2)		1,901	38		

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR NOVEMBER 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*		°	°	°	°				
Nov. 21	10 0	8291	−76	6	−13	77	48	1	G	U. S. Naval.
		8292	−76	6	−23	78	73	5		
		8290	−50	32	+11	51	315	2		
		8290	−45	37	+11	46	170	4		
		8288	−43	39	+11	44	24	1		
		8288	−37	45	+13	39	194	26		
		8288	−32	50	+14	33	242	1		
		8286	−25	57	−7	30	48	1		
		8283	+6	88	+23	22	6	1		
		8283	+7	89	+21	20	194	1		
		8282	+12	94	−11	18	242	15		
		8282	+15	97	−12	20	145	1		
		8281	+47	129	+19	48	24	1		
		8285	+48	130	−23	52	12	1		
		8287	+59	141	+10	59	194	8		
		8274	+78	160	−18	79	97	2		
		8274	+80	162	−18	80	194	1		
		(11)		(82)	(+2)		2,222	72		
22	10 15	8294	−69	0	−30	72	6	2	G	Do.
		8291	−69	0	−12	70	12	6		
		8291	−61	8	−13	63	48	1		
		8292	−60	9	−23	64	73	2		
		8293	−47	22	−10	48	48	5		
		8290	−37	32	+12	38	315	11		
		8290	−30	39	+11	31	194	10		
		8288	−23	46	+13	25	291	30		
		8288	−19	50	+13	22	436	1		
		8286	−11	58	−7	15	48	1		
		8283	+20	89	+21	27	194	1		
		8282	+25	94	−11	28	339	18		
		8282	+31	100	−11	33	218	4		
		8287	+71	140	+11	71	121	3		
		8287	+74	143	+10	74	388	1		
		(10)		(69)	(+2)		2,731	96		
23	9 56	8291	−55	1	−12	56	24	2		Do.
		8291	−48	8	−13	50	48	1		
		8292	−47	9	−23	52	73	2		
		8293	−34	22	−10	35	109	2		
		8290	−24	32	+11	25	364	13		
		8290	−15	41	+11	18	121	6		
		8288	−10	46	+13	15	776	13		
		8288	−4	52	+13	12	630	1		
		8286	+3	59	−7	10	48	1		
		8283	+32	88	+21	36	121	1		
		8282	+38	94	−11	41	388	12		
		8282	+44	100	−11	46	194	4		
		(8)		(56)	(+2)		2,896	58		
24	11 26	8291	−35	7	−13	38	36	3	F	Do.
		8292	−32	10	−23	39	24	1		
		8293	−20	22	−10	23	73	4		
		8293	−17	25	−10	21	48	6		
		8290	−10	32	+12	14	242	10		
		8290	−4	38	+12	10	73	7		
		8288	+3	45	+13	12	388	9		
		8288	+7	49	+13	13	630	10		
		8288	+12	54	+12	16	630	1		
		8286	+18	60	−8	21	24	2		
		8283	+47	89	+22	50	194	1		
		8282	+55	97	−11	56	679	13		
		(8)		(42)	(+2)		3,041	67		
25	12 10	8295	−80	308	−17	80	145	1	F	Do.
		8292	−23	5	−23	33	36	1		
		8291	−21	7	−13	26	24	1		
		8293	−6	22	−10	13	97	5		
		8290	+3	31	+11	9	218	6		
		8290	+9	37	+11	13	73	4		
		8288	+14	42	+12	17	388	7		
		8288	+19	47	+12	21	630	15		
		8288	+23	51	+12	25	679	4		
		8283	+59	87	+22	60	194	1		
		8282	+67	95	−11	68	727	12		
		(8)		(28)	(+2)		3,211	57		
26	10 19	8295	−66	310	−17	68	194	1	F	Do.
		8291	−9	7	−13	16	24	1		
		8293	+7	23	−11	14	61	3		
		8293	+12	28	−12	17	61	1		
		8290	+17	33	+10	19	145	7		
		8288	+28	44	+11	30	291	5		
		8288	+32	48	+12	34	533	13		
		8288	+35	51	+12	37	485	1		
		8288	+36	52	+10	38	170	12		
		8283	+71	87	+20	72	194	1		
		8282	+80	96	−12	80	582	5		
		(7)		(16)	(+1)		2,740	50		

POSITIONS, AREAS, AND COUNTS OF SUNSPOTS FOR NOVEMBER 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*		°	°	°	°				
Nov. 27	11 23	8298	−80	282	−20	80	194	1	F	U. S. Naval.
		8297	−79	283	+19	79	97	1		
		8295	−50	312	−17	53	121	1		
		8291	+4	6	−11	13	12	2		
		8296	+13	15	−23	28	12	7		
		8293	+21	23	−11	24	73	10		
		8293	+28	30	−12	31	48	1		
		8290	+30	32	+10	31	121	9		
		8288	+40	42	+11	41	291	8		
		8288	+46	48	+12	47	339	19		
		8288	+49	51	+10	50	436	1		
		8288	+52	54	+10	53	97	6		
		(8)		(2)	(+1)		1,841	66		
28	10 52	8298	−69	280	−21	70	194	3	G	Mt. Wilson.
		8297	−66	283	+17	66	97	1		
		8299	−39	310	+17	41	12	4		
		8295	−38	311	−17	42	145	3		
		8293	+35	24	−11	36	73	16		
		8293	+42	31	−11	43	61	1		
		8290	+43	32	+12	44	121	33		
		8288	+55	44	+13	56	218	1		
		8288	+57	46	+10	57	145	22		
		8288	+62	51	+12	62	194	16		
		8288	+65	54	+15	65	339	1		
		8288	+70	59	+13	70	48	1		
		(7)		(349)	(+1)		1,647	102		
29	10 10	8298	−56	281	−21	58	145	1	F	U. S. Naval.
		8297	−51	286	+17	53	61	1		
		8301	−49	288	−36	57	12	1		
		8295	−26	311	−18	32	145	1		
		8299	−25	312	+17	29	73	5		
		8293	+46	23	−11	48	61	2		
		8293	+52	29	−11	54	48	1		
		8290	+56	33	+12	57	97	12		
		8288	+68	45	+12	68	194	2		
		8288	+69	46	+9	69	145	2		
		8288	+75	52	+12	75	364	7		
		8288	+81	58	+10	81	48	1		
		(8)		(337)	(+1)		1,393	36		
30	10 58	8302	−78	245	+24	78	97	9	G	Mt. Wilson.
		8298	−47	276	−21	51	24	7		
		8298	−42	281	−20	46	121	2		
		8297	−38	285	+17	41	73	1		
		8301	−37	286	−35	50	12	1		
		8295	−11	312	−17	22	97	1		
		8299	−10	313	+17	18	48	10		
		(*)	+37	0	−32	48	6	2		
		8300	+57	20	−14	59	24	5		
		8293	+60	23	−10	60	24	5		
		8293	+66	29	−10	66	24	3		
		8290	+71	34	+19	71	48	4		
		8288	+80	43	+16	80	242	1		
		8288	+81	44	+13	81	194	6		
		8288	+88	51	+10	88	97	1		
		(11)		(323)	(+1)		1,131	58		

Mean daily area for 29 days=1,822

Mean 10 g+s for 27 days=152.11

* Not numbered

† Data from Mount Wilson charts

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

PROVISIONAL RELATIVE SUNSPOT NUMBERS FOR NOVEMBER 1946

[Dependent on observations at Zurich Observatory and its stations at Locarno and Arosa]

November 1946	Relative numbers	November 1946	Relative numbers	November 1946	Relative numbers
1	95	11	138	21	141
2	88	12	169	22	124
3	85	13	131	22	153
4	59	14	167	24	140
5	88	15	145	25	138
6	121	16	140	26	127
7	125	17	159	27	116
8	126	18	154	28	102
9	128	19	166	29	84
10	130	20	141	30	69

Mean, 30 days=125.0