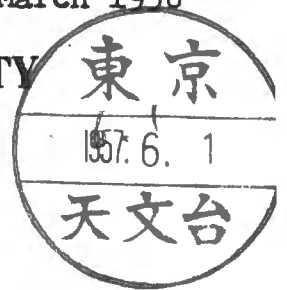


QUARTERLY BULLETIN ON SOLAR ACTIVITY

Published by the Eidgen. Sternwarte in Zürich

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I. SUNSPOTS

SUNSPOT RELATIVE-NUMBERS AND SUNSPOT-AREAS

Co-operating Observatories for Sunspot Relative-Numbers R: Arcetri, Arosa, Athen, Beirut, Belgrad, Catania, Freiburg, Granada, Herstmonceux, Istanbul, Kanzelhöhe, Karlsruhe, Locarno, Madrid, Meudon, Nara-Ikoma, Potsdam, Prag, Roma-Monte Mario, Skalnaté Pleso, South Hadley, Taipei, Taiwan, Tokyo, Tortosa, Uccle, Valencia, Wellington, Zürich.

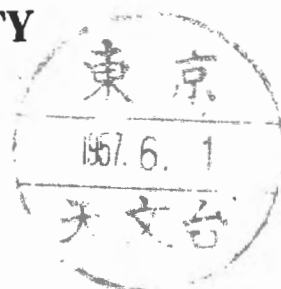
The Sunspot-Areas are based upon measurements made at the U.S. Naval Observatory Washington on plates secured either there or at the Mt. Wilson Observatory. The true area A of the umbrae plus penumbrae is expressed in millionths of the visible hemisphere.

1956	January		February		March	
	R	A	R	A	R	A
1	54	568	50	965	152	3250
2	49	491	63	1817	120	2249
3	46	273	60	1062	115	2066
4	41	273	57	590	100	2208
5	49	413	31	331	112	2227
6	49	539	32	613	110	2555
7	53	303	29	452	107	2557
8	57	532	26	306	104	2685
9	52	370	31	254	102	2282
10	32	439	40	593	97	1854
11	41	462	56	2449	87	2860
12	65	598	80	2734	86	2207
13	85	1622	90	3628	97	3016
14	90	2181	142	4967	122	2887
15	95	2555	168	5592	140	3194
16	118	3088	224	6344	135	1807
17	126	3313	237	6346	138	1977
18	130	4259	270	7140	130	1996
19	128	3545	246	7977	128	2706
20	120	4654	260	7781	122	2636
21	110	3414	208	8282	122	3050
22	100	3596	186	7326	118	3105
23	93	3853	177	5905	130	2509
24	87	3393	156	5399	136	1632
25	103	3163	149	2437	138	2447
26	69	2159	140	2239	140	1880
27	44	996	125	1556	115	1580
28	48	691	132	2151	117	1348
29	53	657	132	2461	122	1915
30	48	-			116	2047
31	46	485			113	779
Mean	73.6	1763	124.0	3438	118.4	2307

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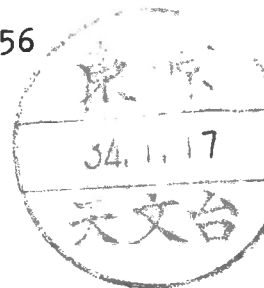
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1956	April		May		June	
	R	A	R	A	R	A
1	82	552	94	2726	98	1913
2	69	645	107	2659	105	1946
3	66	285	138	2582	109	2235
4	66	141	169	2609	106	1922
5	50	378	158	2762	117	2154
6	45	906	162	3841	118	2283
7	63	1197	162	3154	111	1894
8	86	2046	186	3301	90	2009
9	103	2294	180	2745	85	1237
10	145	3871	178	3231	89	1012
11	145	—	169	3241	87	1033
12	160	3246	154	3662	97	814
13	178	3023	142	3650	103	1051
14	164	3010	133	2693	112	1415
15	152	2319	110	2339	119	1939
16	155	2878	122	2003	132	2421
17	172	3047	132	2644	120	2263
18	166	2860	144	2189	130	2076
19	155	2317	140	2430	167	2668
20	145	2287	127	2835	161	2716
21	145	2505	144	2445	162	3163
22	130	2602	119	1609	150	3830
23	121	1584	82	1333	139	3566
24	96	—	102	1913	125	2575
25	104	913	103	2668	106	3093
26	91	1290	120	2728	70	1592
27	91	1483	115	2925	71	726
28	67	520	137	3855	122	1407
29	40	411	136	4395	135	1999
30	70	1652	146	3491	162	2456
31			123	2501		
Mean	110.7	1795	136.6	2812	116.6	2047

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1956	July		August		September	
	R	A	R	A	R	A
1	164	2858	140	3817	168	2399
2	155	2284	148	2651	158	2309
3	133	2123	146	2371	136	2289
4	153	2354	149	2177	130	2232
5	138	1924	152	3625	142	2938
6	139	2421	149	2743	158	4366
7	163	3018	151	2930	165	3780
8	158	2914	140	3030	157	3327
9	150	2522	140	3003	146	3248
10	157	3026	136	2896	136	3848
11	177	2924	140	3101	170	4921
12	216	2982	148	2544	208	5569
13	192	2284	150	2798	244	5304
14	156	2019	140	3342	251	6007
15	156	1817	143	2743	254	4265
16	144	1480	143	2627	244	3133
17	98	1066	131	2811	234	3831
18	67	876	173	3442	213	2884
19	65	912	192	4425	214	2832
20	71	856	217	5024	223	2518
21	78	2217	224	4500	202	1941
22	86	2594	237	4869	153	1708
23	113	3594	213	5498	139	1571
24	84	2342	232	5113	125	1218
25	90	2088	154	4367	132	2045
26	100	2533	178	5160	136	2330
27	116	2562	203	5487	131	1996
28	104	2706	196	4049	127	1772
29	108	1949	200	5024	143	1278
30	130	2339	212	3189	158	1959
31	140	3090	182	2970		
Mean	129.1	2280	169.6	3623	173.2	2994

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1956	October		November		December	
	R	A	R	A	R	A
1	170	3051	157	3475	163	2566
2	183	3377	175	3128	177	1623
3	190	4628	187	4237	189	3920
4	187	--	198	4920	200	4851
5	180	3618	220	5838	213	4420
6	145	3034	274	7201	185	5367
7	145	3027	308	8992	173	4584
8	170	3772	312	7579	157	3689
9	180	3798	260	6336	185	4655
10	176	4667	236	8055	216	4997
11	166	4423	243	6591	229	2905
12	175	4556	262	5380	212	4728
13	154	2748	230	5289	202	3819
14	134	2240	215	4959	210	3597
15	121	2073	230	6077	198	4358
16	110	1528	236	6597	186	4653
17	90	1464	231	5759	190	4164
18	115	1327	180	5720	156	3841
19	134	2109	178	4885	151	4092
20	145	1941	180	4248	143	3586
21	149	2030	183	3704	173	3577
22	160	--	154	3158	200	5064
23	153	2762	138	2929	219	4784
24	163	2807	120	2276	219	3874
25	165	2458	160	2424	229	4410
26	152	1772	160	1682	229	5703
27	140	2140	125	2285	215	5072
28	150	3592	135	3049	202	3421
29	168	2907	154	2307	187	3183
30	178	3332	198	1787	171	3809
31	167	3938			177	3837
Mean	155.3	2935	201.3	4696	192.1	4102