

# QUARTERLY BULLETIN ON SOLAR ACTIVITY

Published by the Eidgen. Sternwarte in Zürich

with financial support from UNESCO



## I. SUNSPOTS

Sunspot Relative-Numbers.

Co-operating Observatories: Arcetri-Firenze, Arosa, Athen, Belgrad, Catania, Granada, Greenwich, Istanbul, Locarno, Madrid, Potsdam, Roma-Monte Mario, South Hadley, Skalnaté Pleso, Tokio, Tortosa, Uccle, Valencia, Wellington, Zürich.

1949	January	February	March
1	108	135	150
2	99	149	160
3	86	179	144
4	88	199	158
5	75	206	168
6	87	218	172
7	91	220	180
8	94	193	172
9	112	190	162
10	118	180	152
11	109	186	156
12	113	200	180
13	122	222	178
14	123	212	168
15	118	221	172
16	140	224	175
17	145	218	182
18	157	222	196
19	177	220	197
20	169	190	210
21	167	157	221
22	153	133	169
23	155	135	153
24	149	140	126
25	145	137	112
26	128	126	110
27	90	140	114
28	86	152	112
29	80		90
30	90		122
31	119		120
Mean	119.1	182.3	157.5

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東京天文台  
東京都北區三鷹町

1949	April	May	June
1	148	82	121
2	155	85	125
3	152	121	116
4	176	122	119
5	176	139	120
6	145	141	125
7	147	132	100
8	151	118	108
9	144	114	83
10	139	103	85
11	104	104	102
12	126	72	86
13	130	60	119
14	141	56	114
15	150	69	85
16	130	80	103
17	160	111	86
18	154	111	85
19	158	110	76
20	160	105	83
21	160	100	92
22	155	111	115
23	177	119	139
24	185	140	137
25	177	120	116
26	160	103	164
27	130	114	197
28	122	98	220
29	112	119	224
30	85	120	206
31		112	
Mean	147.0	106.2	121.7

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東京都北多摩郡三鷹町  
東京天文台太陽

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1949	July	August	September
1	156	150	165
2	124	156	163
3	138	120	168
4	100	102	170
5	67	103	166
6	79	80	172
7	86	58	170
8	61	50	160
9	57	45	153
10	52	34	160
11	59	17	170
12	95	56	167
13	107	82	163
14	91	102	160
15	113	148	162
16	113	163	142
17	105	164	174
18	109	158	205
19	136	155	170
20	144	173	164
21	142	140	130
22	150	190	144
23	171	177	138
24	182	158	122
25	187	148	131
26	164	155	106
27	182	160	88
28	164	152	79
29	185	145	50
30	185	133	47
31	196	158	
Mean	125.8	123.8	145.3

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1949	October	November	December
1	73	120	170
2	115	125	158
3	150	120	145
4	196	122	125
5	194	135	106
6	222	125	97
7	190	128	124
8	190	135	120
9	180	157	122
10	166	128	124
11	183	130	137
12	198	133	143
13	182	143	148
14	145	158	105
15	150	128	107
16	145	136	106
17	125	167	96
18	77	172	102
19	58	149	112
20	73	134	88
21	77	160	92
22	113	140	110
23	118	122	103
24	106	156	119
25	95	143	140
26	71	150	129
27	83	170	107
28	88	152	114
29	104	188	101
30	120	180	90
31	92		105
Mean	131.6	143.5	117.6

Zürich, October 1949

M. Waldmeier