

QUARTERLY BULLETIN ON SOLAR ACTIVITY

Published by the Eidgen. Sternwarte in Zürich

with financial support from UNESCO

I. SUNSPOTS

Sunspot Relative-Numbers and Sunspot-Areas

Co-operating Observatories for Sunspot Relative-Numbers R: Arcetri, Arosa, Baguio - City, Beirut, Belgrad, Bucarest, Catania, Herstmonceux, Ikoma - Nara, Istanbul, Kanzelhöhe, Karlsruhe, Kiev, Kislovodsk, Locarno, Madrid, Potsdam, Prag, Quezon - City, Roma - Monte Mario, Skalnaté Pleso, Taipei, Tashkent, Tokyo, Tortosa, Uccle, Wroclaw, Zürich.

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1962	January			February			March		
	R	A_R	A_C	R	A_R	A_C	R	A_R	A_C
1	29	136	219	76	1443	387	85	—	475
2	25	—	42	59	—	445	77	1775	440
3	20	98	128	57	1194	461	63	—	366
4	10	86	36	48	142	376	46	—	79
5	18	83	37	43	—	159	27	—	20
6	13	40	10	39	—	66	32	—	79
7	11	27	24	36	103	58	36	—	59
8	10	20	5	27	—	58	25	100	31
9	8	0	0	15	—	46	19	—	—
10	15	—	0	14	—	51	13	—	—
11	0	0	0	19	35	35	7	—	—
12	10	—	4	8	0	—	9	—	0
13	20	—	31	9	0	0	13	292	92
14	31	—	41	20	—	93	15	—	—
15	24	—	—	22	304	117	27	182	35
16	24	356	81	15	275	104	27	77	46
17	19	45	3	22	243	104	29	—	—
18	25	—	75	28	221	—	36	53	—
19	29	—	243	29	225	105	61	—	—
20	34	1129	526	53	—	547	75	—	—
21	42	1308	674	65	—	644	86	—	713
22	63	1125	749	72	1868	636	94	—	—
23	82	1418	792	108	—	866	84	1515	609
24	83	1252	1012	124	2027	952	79	—	752
25	88	—	855	103	1888	—	74	—	667
26	86	1434	756	95	—	733	71	906	522
27	92	1324	719	108	—	702	48	—	494
28	85	1230	913	95	—	651	38	875	495
29	66	1634	609				37	—	356
30	66	804	326				44	619	324
31	71	1148	378				38	350	294
Mean	38.7	668	310	50.3	665	336	45.6	613	316

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1962	April			May			June		
	R	A_R	A_C	R	A_R	A_C	R	A_R	A_C
1	37	161	17	49	--	366	35	773	285
2	31	233	133	48	835	386	34	800	222
3	30	--	101	46	843	378	26	--	11
4	24	--	104	42	--	390	21	0	3
5	28	52	71	37	580	202	26	--	28
6	21	34	18	41	518	219	33	290	195
7	23	164	25	31	--	24	35	120	94
8	22	--	56	34	313	56	38	--	--
9	15	--	122	37	384	280	46	--	187
10	10	0	0	44	464	234	41	151	112
11	21	160	0	44	785	268	40	215	149
12	35	490	146	46	891	291	39	--	146
13	55	1836	361	39	--	320	39	67	108
14	75	--	479	27	--	150	40	193	115
15	84	--	515	15	187	76	59	173	198
16	90	1319	589	18	191	87	58	--	221
17	82	1297	538	26	248	106	70	--	194
18	71	1182	501	29	220	89	68	--	188
19	71	--	408	32	--	43	62	354	143
20	72	741	295	37	--	63	44	--	148
21	75	--	--	45	1010	294	35	138	101
22	78	--	--	59	455	513	46	150	70
23	72	669	336	62	1328	746	33	188	93
24	46	217	173	62	--	646	30	602	201
25	39	818	421	60	1078	697	43	746	432
26	37	824	594	60	--	592	46	711	460
27	32	845	471	57	--	579	36	818	392
28	41	869	505	60	740	492	44	--	370
29	40	740	612	63	801	475	44	--	363
30	34	576	394	58	--	502	49	668	468
31				48	1247	465			
Mean	46.4	630	285	43.7	656	324	42.0	377	196

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1962	July			August			September		
	R	A_R	A_C	R	A_R	A_C	R	A_R	A_C
1	54	478	437	0	0	0	48	477	299
2	42	354	332	7	0	0	57	658	511
3	39	342	308	7	0	0	80	1023	612
4	30	—	348	10	—	22	87	1508	1107
5	28	507	393	14	13	3	88	—	1307
6	26	716	403	11	—	8	80	1157	1017
7	21	368	269	9	—	2	66	1147	844
8	18	—	193	8	—	8	58	1051	1026
9	11	314	195	7	0	2	53	510	345
10	13	283	190	0	0	0	44	508	297
11	19	266	220	0	0	0	50	459	303
12	17	288	245	15	0	8	60	731	297
13	29	—	274	24	104	72	58	928	380
14	34	—	260	40	325	250	53	557	393
15	22	—	221	50	645	343	60	684	390
16	28	—	205	50	470	441	42	490	421
17	34	262	244	54	549	322	33	372	323
18	29	—	148	46	457	268	35	293	292
19	14	24	16	46	456	346	24	243	241
20	14	17	13	39	207	152	24	—	170
21	29	127	75	37	185	162	31	200	175
22	29	—	77	32	161	133	32	193	276
23	17	97	16	29	83	112	38	147	137
24	14	86	36	36	50	169	53	251	153
25	12	43	30	16	65	117	54	310	265
26	10	16	16	7	0	0	55	257	288
27	11	40	16	7	0	0	51	—	181
28	15	25	24	14	0	20	44	163	141
29	9	18	28	15	—	15	36	—	237
30	8	0	6	25	88	43	46	418	202
31	0	0	0	22	102	34			
Mean	21.8	203	169	21.8	152	98	51.3	567	421

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1962	October			November			December		
	R	A_R	A_C	R	A_R	A_C	R	A_R	A_C
1	51	461	319	22	0	19	27	278	221
2	39	357	337	19	64	32	29	294	206
3	22	233	286	17	61	96	37	529	329
4	18	163	235	16	—	88	44	527	357
5	13	96	154	7	—	15	46	—	331
6	25	91	106	12	—	194	49	392	344
7	37	—	122	16	—	160	48	—	282
8	40	138	109	18	—	210	29	176	223
9	42	479	372	16	—	239	25	—	191
10	51	—	509	18	—	308	13	—	74
11	62	—	434	25	—	292	13	41	67
12	64	—	492	33	421	318	16	—	14
13	72	—	428	47	563	554	19	—	28
14	67	—	372	57	—	484	24	41	96
15	61	—	306	60	—	—	12	—	43
16	51	—	326	82	840	718	0	—	—
17	43	148	329	67	—	612	14	132	51
18	33	—	247	58	—	380	26	151	164
19	29	—	201	47	397	299	34	303	250
20	28	279	195	28	185	131	45	—	232
21	32	—	—	23	—	138	34	286	188
22	41	411	245	8	—	73	28	245	165
23	43	344	229	0	0	9	23	241	228
24	41	—	301	13	51	30	32	289	225
25	43	—	217	24	—	211	24	—	—
26	48	326	242	23	—	149	14	—	6
27	40	—	242	16	187	—	0	0	0
28	31	—	196	14	—	103	7	—	0
29	15	—	124	8	—	117	0	0	0
30	20	207	—	14	162	152	0	—	0
31	23	—	—	—	—	—	7	—	17
Mean	39.5	267	274	26.9	244	219	23.2	231	149