

Sunspot Relative-Numbers.

	Number of observations	Reduction-factor on Wolfs unit		Number of observations	Reduction-factor on Wolfs unit
Belgrade	48	0.58	Sonneberg	24	0.53
Catania	61	0.88	South Hadley	40	0.91
Greenwich	48	0.80	Stonyhurst	52	0.98
Lyons	53	0.93	Tokyo	82	0.60
Madrid	39	0.76	Tsinan	67	0.80
Roma/Monte Mario	57	0.80	Zurich	65	0.60

1940	January	February	March	1940	January	February	March
1	E 39 c	58 b	E 91 c	17	52	51 aa	43 a
2	37	59	74 b	18	64	50	M 56 cd
3	42	58	M 96 c	19	59	M 52 cd	78 a
4	69	52	116 d	20	M 88 ac	M 65 ac	79 d
5	66 b	55 aa	E 92 c	21	71 a	60 a	85 d
6	61	E 47 c	81	22	50	59 d	E 92 c
7	49	E 63 c	77	23	52	44	E 111 cd
8	38	64	E 72 c	24	34	40	115
9	M 47 c	E 82 c	46	25	30 d	44	101 a
10	41	65	47 aa	26	49	E 51 c	E 108 bc
11	E 50 c	41 aad	48 a	27	50	52	136 ad
12	29	M 69 c	E 76 c	28	43	46 a	125
13	34	62	74	29	45 d	M 95 c	98 a
14	61	E 89 c	76 d	30	50 d		86
15	E 47 c	78	49	31	56		85 a
16	61 a	73	M 70 c				
				Mean	50.5	59.4	83.3

a = Passage of an average-sized group through the central meridian.

b = Passage of a large group through the central meridian.

c = New formation of a group developing into a middle-sized or large center of activity:

E, on the eastern part of the Sun's disc; W, on the western part; M, in the central-circle zone.

d = Entrance of a large or average-sized center of activity on the east limb.

Zurich, October 1, 1940.

W. Brunner.

Sunspot Relative-Numbers.

	Number of observations	Reduction-factor on Wolfs unit		Number of observations	Reduction-factor on Wolfs unit
Belgrade	64	0.46	South Hadley	41	0.85
Catania	75	0.91	Stonyhurst		
Greenwich	77	0.88	Tokyo	76	0.51
Lyons	56	0.86	Tsinan	76	0.80
Madrid	64	0.82	Zurich	85	0.60
Roma/Monte Mario	64	0.81			

1940	April	May	June	1940	April	May	June
1	E 85 c	E 26 ac	M 38 c	17	65	77	55
2	80 a	28	41	18	59	63 a	51
3	E 65 c	23	E 77 cd	19	W 71 cd	69 a	46 d
4	46	25	80	20	79 a	M 61 c	38
5	62 a	19 a	58 a	21	94 a	E 71 ac	E 58 c
6	58 ad	21	95 dd	22	83	86	61 b
7	64	22	94	23	63 a	85 d	83
8	56	E 32 c	106	24	W 64 c	67	E 113 c
9	W 41 c	E 31 c	103	25	56 ad	E 76 ac	108 b
10	E 59 c	34	107	26	50	57	E 136 c
11	50 a	36	109	27	62	61 a	117
12	53	M 53 acd	M 94 aac	28	38	62	120 a
13	53	62 a	104	29	32	62 a	104 a
14	60 d	93 a	M 76 c	30	35	53	103
15	74	91	82	31		54	
16	65 ad	85	59 d		Mean 60.7	54.4	83.9

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Zurich, October 17, 1941.

W. Brunner.

Sunspot Relative-Numbers.

	Number of observations	Reduction-factor on Wolfs unit		Number of observations	Reduction-factor on Wolfs unit
Belgrade	81	0.49	South Hadley		
Catania	83	0.89	Stonyhurst		
Greenwich	71	0.91	Tokyo	76	0.54
Lyons	64	0.97	Tsinan	70	0.78
Madrid	56	0.78	Zurich	84	0.60
Roma/Monte Mario	79	0.90			

1940	July	August	September	1940	July	August	September
1	91	69	E 130 abc	17	W 60 c	109 a	E 56 cd
2	67	60	112	18	62	114	79
3	77	67 d	127	19	66	E 97 ac	100 bd
4	47	E 105 ac	97 aa	20	67	E 126 bcd	98
5	E 56 c	103	W 91 ac	21	52	124	106 d
6	M 44 c	111 d	89 a	22	M 58 c	126	93
7	56 a	E 121 c	E 68 c	23	34 a	116 a	66
8	M 68 cc	119 a	62	24	34	94	61
9	E 97 ac	129 b	42	25	E 48 c	84	53
10	M 122 cd	148	49	26	37	E 71 ac	35
11	125 a	E 128 bcd	40	27	E 50 c	75 d	26 a
12	126	124 b	38 a	28	59 d	76	37
13	101	162 d	E 37 c	29	53 a	89 dd	38
14	76	128	41	30	58	89	41
15	62	110	M 32 c	31	M 66 aac	99 b	
16	74 a	E 98 bc	50 a		Mean 67.5	105.5	66.5

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Zurich, October 17, 1941.

W. Brunner.

Sunspot Relative-Numbers.

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Arcetri/Firenze	59	0.71	Roma/Monte Mario	65	0.83
Belgrade	47	0.53	South Hadley	49	0.87
Catania	55	0.75	Stonyhurst		
Greenwich	35	0.85	Tokyo	67	0.57
Lyons	36	0.93	Tsinan	78	0.68
Madrid	52	0.66	Zurich	58	0.60

1940	October	November	December	1940	October	November	December
1	38	41	27 a	17	59	88 d	67
2	33	41	17	18	71 d	87	60
3	29	E 67 ac	E 29 c	19	61	65	29
4	32	61 a	E 45 c	20	67	47	E 37 c
5	35 a	67	66 d	21	64 b	34	37
6	M 44 cdd	43	68	22	E 74 c	16	38
7	57	56 d	89 a	23	68	E 25 ac	27
8	60	E 67 ac	E 82 acd	24	41 a	M 41 c	M 58 ac
9	53	76	M 108 aacc	25	M 45 c	56 d	51
10	57 d	63	E 142 c	26	53	53	47
11	70	60	157 a	27	52 a	M 52 c	38 a
12	57 abd	66 a	135	28	52	46	34 d
13	72 b	M 99 c	W 158 ac	29	E 46 c	42	55
14	66	E 70 ac	149 ad	30	49	31	49
15	70 d	92	100 a	31	38		38
16	71 a	100 a	79		Mean 55.0	58.4	68.3

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Zurich, October 17, 1941.

W. Brunner.