

Solar cyclic activity over the last millennium reconstructed from annual ^{14}C data (*Corrigendum*)

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Here we correct an error in the uncertainties (error bars) of the computed cycle-averaged sunspot number $\langle \text{SN} \rangle$. The uncertainties are presented after the $\pm$ symbol in Cols. (4) and (11) of Table 1 of the paper. The values of the $\langle \text{SN} \rangle$ are correct. The

corrected Table 1 is given here. Since the error is only related to the uncertainties, the results and conclusions of the paper are not affected.

Table 1. Solar activity cycles as reconstructed here from annually resolved ^{14}C .

n	$Y_{\min}$	$Y_{\max}$	$\langle\text{SN}\rangle$	T	q	Comments	n	$Y_{\min}$	$Y_{\max}$	$\langle\text{SN}\rangle$	T	q	Comments
1	976	981	88 ± 20	12	4		44	1457	1468	-5 ± 8	8	0	<i>Spörer minimum</i>
2	988	992	77 ± 14	9	3	994 AD event	45	1465	1469	-8 ± 7	9	0	<i>Spörer minimum</i>
3	997	1002	82 ± 13	11	5		46	1474	1478	-0 ± 5	15	0	<i>Spörer minimum</i>
4	1008	1013	33 ± 10	12	5		47	1489	1494	3 ± 7	10	0	<i>Spörer minimum</i>
5	1020	1026	10 ± 9	10	5		48	1499	1504	-1 ± 7	11	0	<i>Spörer minimum</i>
6	1030	1035	3 ± 8	10	3		49	1510	1514	0 ± 5	15	0	<i>Spörer minimum</i>
7	1040	1045	5 ± 6	8	1	1043–1048 gap	50	1525	1529	-6 ± 8	8	0	<i>Spörer minimum</i>
8	1048	1053	33 ± 10	9	2	1052 AD event	51	1533	1536	5 ± 8	9	1	
9	1057	1063	12 ± 10	8	2		52	1542	1545	11 ± 8	10	2	
10	1065	1070	35 ± 12	9	4		53	1552	1555	21 ± 8	13	2	Distorted cycle*
11	1074	1080	62 ± 15	9	0		54	1565	1570	9 ± 9	9	1	
12	1083	1087	55 ± 13	10	0	Distorted cycle*	55	1574	1578	44 ± 13	10	2	
13	1093	1099	64 ± 12	16	0	Distorted cycle*	56	1584	1591	34 ± 13	11	4	
14	1109	1119	54 ± 9	16	1		57	1595	1601	62 ± 13	14	4	
15	1125	1137	115 ± 17	17	1		58	1609	1615	14 ± 11	11	4	
16	1142	1148	46 ± 14	11	5		59	1620	1626	13 ± 8	12	4	
17	1153	1158	14 ± 9	10	5		60	1632	1638	1 ± 8	9	0	
18	1163	1169	49 ± 13	13	4		61	1641	1646	6 ± 8	9	0	<i>Maunder minimum</i>
19	1176	1184	49 ± 14	12	3		62	1650	1655	-1 ± 8	8	0	<i>Maunder minimum</i>
20	1188	1193	106 ± 20	11	4		63	1658	1663	-2 ± 7	10	0	<i>Maunder minimum</i>
21	1199	1205	54 ± 12	11	5		64	1668	1673	-6 ± 7	10	0	<i>Maunder minimum</i>
22	1210	1214	28 ± 13	9	3		65	1678	1682	13 ± 9	8	0	<i>Maunder minimum</i>
23	1219	1225	10 ± 7	13	2		66	1686	1691	-7 ± 8	10	0	<i>Maunder minimum</i>
24	1232	1237	68 ± 20	9	4		67	1696	1701	-4 ± 6	13	0	<i>Maunder minimum</i>
25	1241	1246	58 ± 16	10	4		68	1709	1715	-9 ± 7	8	0	<i>Maunder minimum</i>
26	1251	1256	46 ± 16	11	3		69	1717	1723	35 ± 11	16	0	Distorted cycle*
27	1262	1271	24 ± 11	13	1		70	1733	1739	71 ± 15	12	4	
28	1275	1279	20 ± 12	12	2	1279 AD event	71	1745	1749	6 ± 9	9	1	
29	1287	1291	17 ± 14	10	3		72	1754	1759	64 ± 18	9	4	SC1 [†]
30	1297	1301	-5 ± 7	10	0	<i>Wolf minimum</i>	73	1763	1766	51 ± 15	9	2	SC2 [†]
31	1307	1313	7 ± 7	11	0	<i>Wolf minimum</i>	74	1772	1778	134 ± 18	11	3	SC3 [†]
32	1318	1320	-7 ± 8	8	0	<i>Wolf minimum</i>	75	1783	1789	115 ± 17	12	2	SC4 [†]
33	1326	1334	7 ± 6	14	0	<i>Wolf minimum</i>	76	1795	1801	14 ± 8	11	4	SC5 [†]
34	1340	1344	16 ± 12	11	0		77	1806	1815	5 ± 8	14	2	SC6 [†]
35	1351	1357	108 ± 23	12	3		78	1820	1825	37 ± 16	9	4	SC7 [†]
36	1363	1369	114 ± 20	12	3		79	1829	1833	114 ± 19	10	4	SC8 [†]
37	1375	1381	35 ± 13	11	4		80	1839	1844	54 ± 15	8	2	SC9 [†]
38	1386	1391	-4 ± 7	9	2		81	1847	1852	72 ± 17	9	4	SC10 [†]
39	1395	1400	8 ± 8	10	2		82	1856	1861	91 ± 18	9	4	SC11 [†]
40	1405	1418	7 ± 6	17	0	<i>Spörer minimum</i>	83	1865	1872	73 ± 12	13	3	SC12 [†]
41	1422	1435	-3 ± 8	10	0	<i>Spörer minimum</i>	84	1878	1883	24 ± 10	10	3	SC13 [†]
42	1432	1436	-5 ± 9	10	0	<i>Spörer minimum</i>	85	1888	1894	23 ± 10	12	4	SC14 [†]
43	1442	1453	-9 ± 7	15	0	<i>Spörer minimum</i>							

Notes. The columns are as follows: internal cycle number n , years of minimum $Y_{\min}$ and maximum $Y_{\max}$ of each cycle, and the corresponding cycle-averaged SN $\langle\text{SN}\rangle$ with 1σ uncertainties, cycle length (min-to-min) T in years, quality flag q , and comments. Periods of deep grand minima, when solar cyclic activity drops below the sunspot formation level, are marked in italics. The digital version of this table is available via the CDS. * Transition from grand minimum to normal activity modes. [†] Standard Schwabe cycles (www.ngdc.noaa.gov/stp/solar/solardataservices.html).