

## Fossil forest reveals sunspot activity in the early Permian

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Table DR1. Data chart

Sample no.	Plant species	Locality	number of rings	Mean ring width in mm	Mean sensitivity
HOG-1 seq.1	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	67	3.081	0.250
HOG-1 seq.2			66	3.452	0.278
K133	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	15	2.180	0.318
K1177	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	54	2.701	0.409
K1777	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	18	1.498	0.273
K3269	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	7	5.459	0.698
K3367a	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	26	2.228	0.259
K3405a	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	26 (55)	1.725	0.449
K3409	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	18	2.109	0.322
K3503	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	28	2.629	0.297
K3733	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	67	2.514	0.266
K4842	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	35	1.940	0.322
K4960 seq.1	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	58	1.976	0.289
K4960 seq.2			58	2.133	0.268
K5358	<i>Agathoxylon</i> sp.	Chemnitz-Hilbersdorf area	14	2.300	0.380
K3793	<i>Agathoxylon</i> sp.	Chemnitz-Sonnenberg area	23	2.458	0.768
K4613	<i>Agathoxylon</i> sp.	Chemnitz-Neefe area	33	2.363	0.235
K349	<i>Agathoxylon</i> sp.	Chemnitz area	52	1.600	0.313
K6043	<i>Agathoxylon</i> sp.	Chemnitz area	24	5.018	0.387
K6044 seq.1	<i>Agathoxylon</i> sp.	Chemnitz area	75	2.441	0.344
K6044 seq.2			69	2.300	0.246
K6045	<i>Agathoxylon</i> sp.	Chemnitz area	31	4.743	0.323
K6046 seq.1	<i>Agathoxylon</i> sp.	Chemnitz area	70	3.199	0.289
K6046 seq.2			75	3.355	0.260
K6047	<i>Agathoxylon</i> sp.	Chemnitz area	54	1.341	0.270
K6048	<i>Agathoxylon</i> sp.	Chemnitz area	50	1.736	0.301
K6049 seq.1	<i>Agathoxylon</i> sp.	Chemnitz area	64	3.690	0.359
K6049 seq.2			77	5.182	0.321
K6050	<i>Agathoxylon</i> sp.	Chemnitz area	34	2.744	0.334
K6051 seq.1	<i>Agathoxylon</i> sp.	Chemnitz area	53	4.505	0.276
K6051 seq.2			46	4.730	0.400
K6052	<i>Agathoxylon</i> sp.	Chemnitz area	49	1.783	0.465
KH0021-01a	<i>Cordaixylon</i> sp.	Chemnitz-Hilbersdorf excavation	11	3.686	0.609
KH0025	<i>Cordaixylon</i> sp.	Chemnitz-Hilbersdorf excavation	76	1.972	0.390
KH0042-03b	<i>Arthropitys bistrata</i>	Chemnitz-Hilbersdorf excavation	22	4.436	0.271
KH0052-01 e	<i>Arthropitys bistrata</i>	Chemnitz-Hilbersdorf excavation	13	1.569	0.369
KH0052-09 a	<i>Arthropitys bistrata</i>	Chemnitz-Hilbersdorf excavation	26	2.745	0.443
KH0277-01	<i>Arthropitys bistrata</i>	Chemnitz-Hilbersdorf excavation	19	3.365	0.446
KH0277-04	<i>Arthropitys bistrata</i>	Chemnitz-Hilbersdorf excavation	7	3.437	0.333
K3257	<i>Arthropitys stercelii</i>	Chemnitz-Hilbersdorf area	24	2.411	0.719
K3279	<i>Arthropitys</i> sp.	Chemnitz-Hilbersdorf area	20	2.395	0.508
K5590 a	<i>Arthropitys bistrata</i>	Chemnitz-Hilbersdorf area	26	2.080	0.374

K6004 a	<i>Arthropityys bistrata</i>	Chemnitz-Sonnenberg area	42	2.392	0.448
KH0067-02a	<i>M. stellata</i> var. <i>lignosa</i>	Chemnitz-Hilbersdorf excavation	36	1.644	0.418
KH0286-03	<i>M. stellata</i> var. <i>lignosa</i>	Chemnitz-Hilbersdorf excavation	35	1.928	0.418
K621 b	<i>M. stellata</i> var. <i>lignosa</i>	Chemnitz-Hilbersdorf area	44	3.768	0.480
K2542	<i>M. stellata</i> var. <i>lignosa</i>	Chemnitz-Hilbersdorf area	31	3.609	0.426
K2771	<i>M. stellata</i> var. <i>lignosa</i>	Chemnitz-Hilbersdorf area	16	3.251	0.489
K4013	<i>M. stellata</i> var. <i>lignosa</i>	Chemnitz-Hilbersdorf area	16	3.678	0.755
K6042	<i>M. stellata</i> var. <i>lignosa</i>	Chemnitz area	17	8.303	0.577
<b>sum/average:</b>			<b>1,917</b>	<b>2.956</b>	<b>0.389</b>

correlated ring curves used for mean ring curve calculation

correlated ring curves not used for mean ring curve calculation

seq. 1/2 in cases of specimens, where two ring sequences were measured in the section

Table DR2. Correlation scheme of selected ring width curves

