APPENDIX

for the paper

Late Mississippian (early Serpukhovian) carbon isotope record of northern Laurussia: A proposal for the Viséan/ Serpukhovian boundary

by

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Table A1. Coordinates of the studied sections.

Section	Latitude, N	Longitude, E
Kamenka 99	65° 01' 30.5"	56° 42' 18.9"
Kamenka 125	65° 04' 38"	56° 45' 11.4"
Kamenka 130	65° 04' 29.36"	56° 48' 58.84"
Izyayu 41	65° 33' 10"	58° 38' 43"
Mississippka	65° 46' 59"	60° 39' 25"
Bolshaya Nadota N2	65° 40' 24.45"	60° 56' 52.25"

Table A2. Values of $\delta^{13}C$ and $\delta^{18}O$ relative to PDB and SMOW standards, respectively, for limestones from the NE Europe sections.

Section	Sample	$\delta^{13}C$ (‰)	$\delta^{18}O$ (‰)	Conodont Zone
Kamenka 99	99-1	-1.2	25.9	*L. nodosa*
Kamenka 99	99-2	-2.1	26.0	*L. nodosa*
Kamenka 99	99-2a	-1.0	24.7	*L. nodosa*
Kamenka 99	99-3	0.2	28.6	*L. nodosa*
Kamenka 99	99-4	-0.9	27.9	*L. nodosa*
Kamenka 99	99-5	-1.7	27.1	*L. nodosa*
Kamenka 99	99-6	-1.6	26.0	*L. nodosa*
Kamenka 99	99-7	-2.4	24.4	*L. nodosa*
Kamenka 99	99-8	-1.6	26.4	*L. nodosa*
Kamenka 99	99-10	-2.4	26.5	*L. nodosa*
Kamenka 99	99-11	-3.0	24. 8	*L. nodosa*
Kamenka 99	99-13	-0.9	27.7	*L. ziegleri*
Kamenka 99	99-23	0.9	30.3	*L. ziegleri*
Kamenka 125	125-1/16	-0.2	27.2	*L. ziegleri*
Kamenka 125	125-2/16	-0.4	26.4	*L. ziegleri*
Kamenka 125	125-2/16	-0.4	26.3	*L. ziegleri*
Kamenka 125	125-10/22	0.3	33.2	*L. ziegleri*
Kamenka 125	125-3/16	0.1	33.6	*L. ziegleri*
Kamenka 125	125-4A/16	-1.2	25.6	*L. ziegleri*
Kamenka 125	125-4B/16	-0.8	28.1	*L. ziegleri*
Kamenka 125	125-5B/16	-1.8	24.5	*L. ziegleri*
Kamenka 125	125-6/16	-1.9	25.9	*L. ziegleri*
Kamenka 125	125-7/16	-1.0	24.7	*L. ziegleri*
Kamenka 125	125-7/16	-2.0	25.2	*L. ziegleri*
Kamenka 125	125-8/16	0.5	28.7	*L. ziegleri*
Kamenka 125	125-9/16	-1.0	25.5	*L. ziegleri*
Kamenka 125	125-10/16	0.3	24.3	*L. ziegleri*
Kamenka 130	130-1/16	-0.1	23.8	*G. bollandensis*
Kamenka 130	130-3/16	0.1	26.1	*G. bollandensis*
Izyayu 41	Iz41/1	3.3	26.3	*L. ziegleri*
Izyayu 41	Iz41/2	3.3	26.9	*L. ziegleri*
Izyayu 41	Iz41/3	3.5	27.3	*L. ziegleri*
Izyayu 41	Iz41/4	2.7	25.6	*L. ziegleri*
Izyayu 41	Iz41/5	4.5	26.2	*L. ziegleri*
Izyayu 41	Iz41/6	3.2	26.1	*L. ziegleri*
Izyayu 41	Iz41/7	2.7	24.6	*L. ziegleri*
Izyayu 41	Iz41/8	2.9	24.5	*L. ziegleri*
Izyayu 41	Iz41/9	3.0	23.2	*L. ziegleri*
Izyayu 41	Iz41/10	2.3	25.4	*L. ziegleri*
Izyayu 41	Iz41/12	2.2	25.4	*L. ziegleri*
Izyayu 41	Iz41/13	2.4	26.7	*L. ziegleri*
Izyayu 41	Iz41/14	2.1	26.3	*L. ziegleri*
Izyayu 41	Iz41/15	2.3	26.5	*L. ziegleri*
Izyayu 41	Iz41/17am	1.7	27.4	*L. ziegleri*

continues

Table A2 (cont.). Values of $\delta^{13}C$ and $\delta^{18}O$ relative to PDB and SMOW standards, respectively, for limestones from the NE Europe sections.

Section	Sample	$\delta^{13}C$ (‰)	$\delta^{18}O$ (‰)	Conodont Zone
Izyayu 41	Iz41/17	1.8	29.7	*L. ziegleri*
Mississippka	V-0/95	1.2	24.7	*L. nodosa* ?
Mississippka	V-5/95	2.4	27.9	*L. nodosa* ?
Mississippka	V-6/95	2.2	25.9	*L. nodosa* ?
Mississippka	V-9-1/95	2.9	28.4	*L. nodosa* ?
Mississippka	V-12/95	2.3	27.9	*L. nodosa* ?
Mississippka	V-12a/95	1.6	26.7	*L. nodosa* ?
Mississippka	V-12/1a/95	2.3	27.8	*L. nodosa* ?
Mississippka	V-12/1g/95	1.5	26.5	*L. nodosa* ?
Mississippka	V-13/95	2.5	27.8	*L. nodosa* ?
Mississippka	V-18/1	1.7	27.8	*L. nodosa* ?
Mississippka	V-18/95	2.4	28.0	*L. nodosa* ?
Mississippka	V-19/95	2.6	28.4	*L. nodosa* ?
Mississippka	V-21/95	0.7	28.8	*L. nodosa* ?
Mississippka	V-23/95	2.8	28.3	*L. nodosa* ?
Mississippka	V-24/95	1.6	27.0	*L. nodosa* ?
Mississippka	V-26/95	1.8	28.2	*L. ziegleri* ?
Mississippka	V-28/95	2.4	28.3	*L. ziegleri* ?
Mississippka	V-31/95	1.1	23.9	*L. ziegleri* ?
Mississippka	V-32/95	2.7	27.5	*L. ziegleri* ?
Mississippka	V-37-1/95	2.8	28.0	*L. ziegleri* ?
Mississippka	V-37b/95	2.9	27.9	*L. ziegleri* ?
Mississippka	V-38/95	2.8	28.0	*L. ziegleri* ?
Mississippka	V-39/95	2.5	27.7	*L. ziegleri* ?
Mississippka	V-42/95	2.4	27.7	*L. ziegleri* ?
Mississippka	V-43/95	2.6	28.5	*L. ziegleri* ?
Mississippka	V-44/95	2.1	27.1	*L. ziegleri* ?
Mississippka	V-46/95	2.3	27.7	*L. ziegleri* ?
Mississippka	V-47/95	1.9	27.3	*L. ziegleri* ?
B.Nadota N2	N2-1-1	2.6	27.1	*L. ziegleri*
B.Nadota N2	N2-1-2	2.4	25.2	*L. ziegleri*
B.Nadota N2	N2-1-3	2.2	29.4	*L. ziegleri*
B.Nadota N2	N2-1-4	2.1	27.9	*L. ziegleri*
B.Nadota N2	N2-1-5	1.8	30.3	*L. ziegleri*
B.Nadota N2	N2-1-6	2.6	27.6	*L. ziegleri*
B.Nadota N2	N2-1-9	2.4	30.0	*L. ziegleri*
B.Nadota N2	N2-1-10	2.2	27.2	*L. ziegleri*
B.Nadota N2	N2-1-11	2.6	27.1	*L. ziegleri*
B.Nadota N2	N2-1-12	2.8	27.0	*L. ziegleri*
B.Nadota N2	N2-1-14	2.2	27.6	*L. ziegleri*