GSA Data Repository Item 2019199

Joachimski, M.M., Alekseev, A.S., Grigoryan, A., and Gatovsky, Y.A., 2019, Siberian Trap volcanism, global warming and the Permian-Triassic mass extinction: New insights from Armenian Permian-Triassic Sections: GSA Bulletin, https://doi.org/10.1130/B35108.1.

Data Repository

Table DR1. Carbon isotope values of the Chanakhchi and Vedi II sections

Table DR2. Conodont Oxygen Isotope Values (n = replicate analyses)

Table DR2: Conodont Oxygen Isotope Values (n = replicate analyses

Chanakhchi section

Sample	conodont taxa analysed	cm from base of section	$\delta^{18}O$ (‰VSMOW)	1 std. dev.	n
CH 3	*Clarkina*	137	19.62	0.33	3
CH 4	*Clarkina*	238	19.20	0.16	3
CH 5	*Clarkina*	242	19.41	0.11	3
CH 5	*Hindeodus*	242	20.17		1
CH 6	*Clarkina*	265	19.28	0.04	3
CH 6	*Hindeodus*	265	19.70		1
CH 7	*Clarkina*	323	19.71	0.23	3
CH 8	*Clarkina*	384	19.63	0.16	4
CH 9	*Clarkina*	494	19.44	0.29	4
CH 10	*Clarkina*	575	19.32	0.23	3
CH 11	*Clarkina*	676	19.34	0.17	3
CH 12	*Clarkina*	826	19.39	0.09	3
CH 13	*Clarkina*	846	19.81	0.11	3
CH 14	*Clarkina*	903	19.28	0.27	3
CH 15	*Clarkina*	918	19.55	0.23	3
CH 15	*Hindeodus*	918	19.89		1
CH 17	*Clarkina*	992	19.64	0.25	3
CH 18	*Clarkina*	1002	19.75	0.28	3
CH 19	*Clarkina*	1022	19.58	0.19	4
CH 19	*Hindeodus*	1022	19.40		1
CH 22	*Clarkina*	1177	19.51	0.26	3
CH 23	*Clarkina*	1213	19.44	0.29	3
CH 24	*Clarkina*	1235	19.23	0.04	3
CH 25	*Clarkina*	1275	19.66	0.32	3
CH 28	*Clarkina*	1305	19.69	0.24	3
CH 32	*Clarkina*	1352	19.54	0.15	3
CH 33	*Clarkina*	1369	19.65	0.13	3
CH 34	*Clarkina*	1379	19.83	0.28	3
CH 35	*Clarkina*	1383	19.54	0.19	3
CH 36	*Clarkina*	1386	19.51	0.07	3
CH 37	*Hindeodus*	1390	17.96	0.13	3
CH 38	*Hindeodus*	1395	18.31	0.29	3
CH 39	*ramiforms*	1400	17.10		1
CH 43	*Hindeodus*	1514	17.62		1
CH 46	*Hindeodus + Isarcicella + ramiforms*	1701	18.31	0.18	2
CH 48	*Hindeodus + Isarcicella + ramiforms*	1863	17.47		1
CH 48a	*Hindeodus + ramiforms*	1936	17.56		1
CH 52	*ramiforms*	2160	17.80	0.15	3
CH 53	*ramiforms*	2209	17.53	0.23	2

CH 54a	*Hindeodus + ramiforms*	2306	16.98		1
CH 56	*Hindeodus + ramiforms*	2478	17.51		1
CH 57	*ramiforms*	2559	17.47	0.10	3
CH 58	*ramiforms*	2662	17.91	0.30	2
CH 59	*ramiforms*	2772	18.02	0.23	3
CH 60	*Hindeodus + ramiforms*	2826	17.95	0.08	3
CH 61	*Hindeodus + ramiforms*	2906	17.74	0.22	2
CH 62	*Hindeodus + ramiforms*	3013	18.14		1
CH 70		3872	17.37	0.25	3
CHK 14-22	*Neospathodus*	4057	17.01	0.01	3
CHK 15-1	*Neospathodus*	4202	16.89	0.00	3
CH 74		4282	17.43	0.20	2
CHK 15-25	*Neospathodus+ramiforms*	4617	17.18	0.21	2
CH 79		4657	17.34	0.14	3
CH 84		5367	17.28	0.18	3
CHK 16-15	*Neospathodus+ramiforms*	5367	17.32	0.16	3
CHK 17-16	*Neospathodus*	5710	16.75	0.02	3
CH 86		5777	17.11	0.09	3
CH 88		6317	17.20	0.33	3
CH 89		6602	17.06	0.23	3

Vedi II section

Sample	conodont taxa analysed	cm from base of section	$\delta^{18}O$ (‰VSMOW)	1 std. dev.	n
VE 1	*Clarkina*	1	18.66		3
VE 2	*Clarkina*	35	18.90	0.11	3
VE 3	*Clarkina*	86	18.71	0.23	3
VE 4	*Clarkina*	89	19.26	0.06	2
VE 4	*Clarkina*	89	19.15	0.15	2
VE 5	*Clarkina*	144	19.22	0.26	3
VE 6	*Clarkina*	173	19.04	0.10	3
VE 7	*Clarkina*	223	19.02	0.18	2
VE 8	*Clarkina*	235	18.94	0.09	3
VE 10	*Clarkina*	303	18.83	0.15	3
VE 11	*Clarkina*	319	19.04	0.10	3
VE 12	*Clarkina*	330	19.09	0.16	3
VE 23	*ramiforms + Hindeodus*	596	17.34	0.22	3
VE 26	*ramiforms + Hindeodus*	859	17.16	0.01	2
VE 29	*ramiforms + Hindeodus*	1032	17.25	0.16	3
VE 30	ramiforms	1078	17.03		1
VE 32	ramiforms	1210	17.03	0.07	2

Standard analyses (n = analyses of standard aliquots)

NBS 120c	21.70	0.09	19
Ag3PO4	9.91	0.08	6
TuAp	16.56	0.15	8