



Corrigendum

Corrigendum to “Last glacial tephra layers in the Talos Dome ice core (peripheral East Antarctic Plateau), with implications for chronostratigraphic correlations and regional volcanic history” [Quaternary Sci. Rev. 165 (2017) 111–126]

Biancamaria Narcisi ^{a,*}, Jean Robert Petit ^b, Antonio Langone ^c

^a ENEA, C.R. Casaccia, Roma, Italy

^b Univ. Grenoble Alpes, CNRS, IRD, IGE, F-38000, Grenoble, France

^c IGG-CNR, UOS of Pavia, Italy

When this paper was originally published there was an error in Table 1. The age of the TD sample 914 should be 26.16 ± 0.71 (not 21.16 ± 0.71). The correct Table 1 is printed below:

Table 1. Major element composition of glass shards from TALDICE tephra horizons determined by electron microprobe analysis. Data in weight percent (wt%) are recalculated to a sum of 100 wt% and are presented as mean and one standard deviation of n analyses of different glass shards. Original oxide totals before recalculation are also given. Total iron expressed as FeO. -a, -b, etc. denote separate populations of glass inside samples. Based on measurements of reference glasses, typical analytical errors (RSD) are as follows: <1% for SiO₂; 1–2% for CaO, Al₂O₃, K₂O; 2–3% for FeO; 3–6% for MnO, TiO₂; 2–9% for Na₂O and MgO. Rock type after TAS plot (Rickwood, 1989, and references therein). Age of tephras are based on AICC2012 timescale (Veres et al., 2013).

TD sample	Age (ka)	<i>n</i>	SiO ₂	TiO ₂	Al ₂ O ₃	FeO _{tot}	MnO	MgO	CaO	Na ₂ O	K ₂ O	Original total	Rock type
822-a	17.61 ± 0.73	13	59.72	0.80	18.40	6.01	0.19	0.93	2.69	6.36	4.90	98.10	trachyte
		<i>SD</i>	0.32	0.07	0.36	0.45	0.02	0.09	0.16	0.48	0.20	1.01	
822-b	17.61 ± 0.73	1	61.08	0.60	18.56	5.23	0.17	0.59	2.03	6.32	5.41	97.40	trachyte
822-c	17.61 ± 0.73	1	62.85	0.37	18.09	4.55	0.16	0.27	1.51	6.46	5.75	95.75	trachyte
822-d	17.61 ± 0.73	1	62.98	0.38	18.57	4.77	0.20	0.28	1.38	5.79	5.64	97.35	trachyte
828-a	18.00 ± 0.82	4	58.69	0.96	17.48	7.68	0.26	1.06	2.61	6.68	4.60	99.05	trachyte
		<i>SD</i>	0.91	0.05	0.43	0.34	0.02	0.05	0.43	0.60	0.68	1.25	
828-b	18.00 ± 0.82	3	61.93	0.56	18.92	4.09	0.12	0.52	2.88	6.41	4.57	99.23	trachyte
		<i>SD</i>	0.80	0.19	1.07	1.42	0.03	0.25	0.20	0.45	0.48	0.69	
828-c	18.00 ± 0.82	1	61.32	0.59	18.42	5.60	0.25	0.58	1.06	7.30	4.87	99.66	trachyte
828-d	18.00 ± 0.82	1	63.59	0.54	18.28	3.98	0.11	0.44	1.10	6.16	5.80	97.53	trachyte
891	21.55 ± 1.15	12	48.26	3.78	15.64	10.55	0.21	5.34	10.55	4.18	1.48	98.11	trachybasalt
		<i>SD</i>	1.16	0.55	0.67	1.09	0.21	0.56	1.09	0.97	0.25	1.31	
914	26.16 ± 0.71	15	68.40	0.30	15.74	4.08	0.13	0.09	1.42	4.72	5.12	99.27	trachyte
		<i>SD</i>	0.27	0.02	0.23	0.09	0.02	0.02	0.05	0.28	0.20	0.72	
949	29.73 ± 0.66	6	61.89	0.31	16.19	7.00	0.28	0.05	0.95	8.57	4.76	98.65	trachyte
		<i>SD</i>	0.31	0.03	0.52	0.37	0.02	0.02	0.03	0.39	0.31	1.06	
970	31.72 ± 0.66	23	67.55	0.30	16.17	4.19	0.13	0.08	1.45	4.87	5.26	98.86	trachyte
		<i>SD</i>	0.44	0.02	0.29	0.12	0.02	0.02	0.05	0.33	0.18	1.22	
1050	38.45 ± 0.48	5	68.46	0.41	14.94	4.96	0.16	0.04	1.22	4.82	4.99	98.86	trachyte

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* Corresponding author.

E-mail address: biancamaria.narcisi@enea.it (B. Narcisi).

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TD sample	Age (ka)	n	SiO ₂	TiO ₂	Al ₂ O ₃	FeO _{tot}	MnO	MgO	CaO	Na ₂ O	K ₂ O	Original total	Rock type
1058	38.96 ± 0.48	4	SD 0.37	0.04	0.14	0.30	0.02	0.02	0.12	0.26	0.37	0.66	
		SD	66.47	0.47	15.64	4.66	0.17	0.21	1.37	5.47	5.54	98.47	trachyte
		SD	2.64	0.32	0.75	0.61	0.02	0.24	0.86	1.28	0.44	1.02	
1059Top-a	39.03 ± 0.48	4	63.13	0.40	17.79	4.60	0.19	0.34	1.52	6.62	5.41	99.46	trachyte
		SD	0.09	0.05	0.33	0.40	0.02	0.08	0.36	0.35	0.60	0.16	
1059Top-b	39.03 ± 0.48	1	60.70	0.67	17.16	7.04	0.26	0.68	1.66	6.44	5.40	99.78	trachyte
1059Top-c	39.03 ± 0.48	1	62.89	0.55	16.38	6.29	0.25	0.47	1.69	6.32	5.16	98.45	trachyte
1059Bottom	39.03 ± 0.48	6	63.76	0.42	17.60	4.77	0.17	0.35	1.46	5.96	5.52	97.94	trachyte
		SD	0.59	0.05	0.19	0.28	0.03	0.07	0.07	0.32	0.21	1.62	
1067Bottom	39.56 ± 0.50	11	64.00	0.53	17.29	3.98	0.16	0.49	1.73	6.09	5.73	98.33	trachyte
		SD	0.61	0.17	0.54	0.46	0.04	0.15	0.31	0.49	0.64	1.48	
1099	42.00 ± 0.51	4	64.72	0.54	17.53	4.51	0.16	0.47	1.94	5.43	4.70	97.01	trachyte
		SD	1.55	0.30	1.03	1.34	0.07	0.28	0.63	1.17	0.43	1.81	
1105C	42.54 ± 0.52	7	47.45	3.19	16.10	10.59	0.17	5.97	11.49	3.45	1.61	97.64	trachybasalt
		SD	0.55	0.34	0.61	0.21	0.03	0.76	0.45	0.37	0.10	1.26	
1105D	42.54 ± 0.52	19	47.43	3.48	16.06	11.22	0.19	5.36	10.36	4.14	1.77	97.16	trachybasalt
		SD	0.80	0.55	0.46	0.66	0.02	0.91	1.14	0.49	0.26	1.27	
1105G	42.54 ± 0.52	26	48.08	3.23	15.77	10.82	0.18	5.66	11.05	3.63	1.57	98.49	trachybasalt
		SD	0.90	0.50	0.65	0.79	0.02	0.95	1.10	0.59	0.21	1.23	
1163	47.20 ± 0.52	7	61.52	0.45	17.41	5.50	0.25	0.31	1.15	7.96	5.44	98.65	trachyte
		SD	0.55	0.07	0.50	0.64	0.07	0.05	0.16	0.83	0.27	0.57	
1164	47.28 ± 0.60	8	66.79	0.27	15.81	5.07	0.18	0.02	1.20	5.71	4.96	98.66	trachyte
		SD	0.68	0.06	0.40	0.60	0.03	0.02	0.09	0.33	0.16	1.42	
1180	48.93 ± 0.70	4	61.57	0.36	17.38	5.94	0.24	0.17	0.87	8.08	5.39	97.75	trachyte-phonolite
		SD	0.67	0.03	0.55	0.64	0.03	0.02	0.11	0.76	0.22	2.67	
1183	49.30 ± 0.72	12	66.06	0.30	15.37	5.75	0.19	0.01	1.04	6.38	4.90	98.19	trachyte
		SD	0.53	0.03	0.51	0.29	0.02	0.01	0.16	0.49	0.24	1.58	
1189	50.02 ± 0.81	8	46.30	4.28	14.85	13.55	0.22	5.36	11.33	3.11	0.99	96.77	basalt
		SD	0.27	0.22	0.42	0.43	0.04	0.31	0.27	0.36	0.14	0.98	
1191	50.27 ± 0.86	10	55.10	2.28	16.67	8.14	0.22	2.17	4.98	6.00	4.44	97.90	tephriphonolite
		SD	1.74	0.32	0.44	0.77	0.03	0.44	0.93	0.76	0.59	1.26	
1197	51.04 ± 0.90	13	61.12	0.30	17.68	6.26	0.25	0.16	0.99	8.13	5.11	97.27	trachyte
		SD	0.64	0.06	0.37	0.36	0.03	0.06	0.15	0.73	0.33	1.47	
1208Top	52.43 ± 0.83	17	63.19	0.21	17.82	4.32	0.19	0.11	0.87	7.87	5.42	98.70	trachyte
		SD	1.70	0.09	0.32	1.48	0.07	0.05	0.20	0.50	0.44	1.19	
1208Bottom	52.43 ± 0.83	10	62.48	0.20	17.55	4.88	0.25	0.13	0.93	8.23	5.36	98.04	trachyte
		SD	1.68	0.05	0.90	1.44	0.14	0.06	0.15	1.05	0.38	0.94	
1226-a	54.76 ± 0.76	5	67.35	0.18	15.21	4.26	0.15	0.02	0.95	6.59	5.30	98.11	trachyte
		SD	1.35	0.04	0.71	1.33	0.05	0.01	0.28	0.98	0.34	1.36	
1226-b	54.76 ± 0.76	1	64.62	0.42	13.03	9.15	0.33	0.00	1.74	5.82	4.88	97.69	trachyte
1226-c	54.76 ± 0.76	1	64.98	0.27	12.71	8.66	0.34	0.06	1.81	6.20	4.97	95.82	trachyte
1226-d	54.76 ± 0.76	1	66.95	0.56	9.15	10.93	0.56	0.03	2.14	5.14	4.54	98.82	trachyte
1246-a	57.77 ± 0.95	9	69.63	0.23	14.27	4.52	0.01	0.01	0.74	5.59	4.87	97.42	rhyolite
		SD	0.86	0.03	0.96	0.63	0.01	0.01	0.15	0.47	0.11	0.47	
1246-b	57.77 ± 0.95	1	63.76	0.47	15.93	5.57	0.20	0.16	2.22	6.91	4.78	98.43	trachyte
1246-c	57.77 ± 0.95	1	67.19	0.40	14.18	5.46	0.17	0.03	1.04	6.41	5.13	97.30	trachyte
1257-a	59.40 ± 1.15	4	62.13	0.37	17.31	6.37	0.24	0.13	0.83	8.17	4.45	97.24	trachyte
		SD	0.49	0.19	0.38	0.78	0.04	0.08	0.16	0.51	0.53	1.53	
1257-b	59.40 ± 1.15	1	58.86	1.56	15.92	7.90	0.22	0.44	1.96	8.62	4.52	97.08	phonolite
1257-c	59.40 ± 1.15	1	62.48	0.68	16.86	6.37	0.20	0.57	2.11	5.58	5.15	100.27	trachyte
1257-d	59.40 ± 1.15	1	64.32	0.29	18.41	3.04	0.12	0.19	1.67	7.44	4.53	98.60	trachyte
1258-a	59.55 ± 1.17	10	67.53	0.27	15.30	4.64	0.14	0.01	0.94	6.38	4.81	98.43	trachyte
		SD	0.59	0.06	0.77	0.94	0.05	0.01	0.13	0.43	0.14	0.97	
1258-b	59.55 ± 1.17	1	65.87	0.25	15.80	4.87	0.15	0.00	1.97	6.42	4.67	98.15	trachyte
1258-c	59.55 ± 1.17	1	66.19	0.21	15.19	5.05	0.15	0.02	2.21	6.65	4.34	98.80	trachyte
1278	63.35 ± 1.45	4	61.88	0.45	17.66	5.67	0.24	0.20	0.90	7.60	5.41	98.58	trachyte
		SD	1.41	0.07	0.53	1.26	0.07	0.05	0.16	0.98	0.42	1.42	
1279A-a	63.61 ± 1.44	1	45.97	3.64	16.57	11.15	0.24	4.35	10.80	4.64	2.64	95.93	tephrite
1279A-b	63.61 ± 1.44	1	52.46	3.28	15.61	10.37	0.18	3.29	7.03	4.70	3.09	98.02	basaltic trachyandesite
1279A-c	63.61 ± 1.44	1	58.62	0.71	17.11	8.94	0.33	0.95	2.96	6.34	4.04	97.29	trachyandesite
1279A-d	63.61 ± 1.44	1	59.01	0.71	16.50	9.03	0.32	0.84	2.96	6.17	4.46	96.11	trachyandesite
1279B-a	63.61 ± 1.44	9	63.64	0.50	17.71	4.38	0.15	0.48	2.06	5.94	5.13	97.25	trachyte
		SD	1.18	0.16	0.60	1.42	0.06	0.13	0.44	0.64	0.40	1.07	
1279B-b	63.61 ± 1.44	1	53.12	3.08	16.25	9.24	0.19	2.77	6.27	5.35	3.74	97.90	basaltic trachyandesite
1279C-a	63.61 ± 1.44	10	64.01	0.44	18.33	3.58	0.12	0.39	1.99	6.09	5.05	97.81	trachyte
		SD	1.03	0.17	0.96	1.41	0.05	0.16	0.72	0.68	0.59	1.52	
1279C-b	63.61 ± 1.44	3	46.18	3.67	16.69	11.27	0.23	4.66	10.60	4.34	2.36	96.73	tephrite
		SD	1.32	0.36	0.93	0.37	0.05	0.63	1.17	0.50	0.71	1.78	
1279C-c	63.61 ± 1.44	1	56.90	4.79	19.76	4.20	0.07	1.80	3.89	5.63	2.97	97.03	basaltic trachyandesite
1279C-d	63.61 ± 1.44	1	58.32	0.69	17.20	8.78	0.33	0.95	2.82	6.60	4.32	98.66	basaltic trachyandesite
1279C-e	63.61 ± 1.44	1	71.72	0.16	13.49	4.21	0.17	0.05	0.36	5.61	4.22	96.27	rhyolite