

SUPPLEMENTAL TABLE S1. Oxygen isotopic values for plagioclase in the anorthositic mylonite (sample 160730-02-13b)

Spot	$\delta^{18}\text{O}_{\text{VSMOW}}$ (‰)	2SE ^a	X_{An} ^b	Note
<i>Grain 1</i>				
#1	2.90	1.45	0.40	Rim
#2	3.29	1.27	0.40	Rim
#3	1.93	3.16	0.40	Rim
#4	3.22	1.69	0.41	Rim
#5	−0.52	1.35	0.40	Rim
<i>Grain 2</i>				
#1	2.14	1.76	0.31	Core
#2	3.55	1.96	0.39	Rim
#3	3.44	1.73	0.30	Core
#4	3.42	1.44	0.42	Rim
<i>Grain 3</i>				
#1	1.21	1.62	0.25	Core
#2	4.75	1.44	0.41	Rim
#3	5.84	1.70	0.24	Core
#4	3.43	1.66	0.39	Rim
#5	1.13	1.92	0.22	Core
<i>Grain 4</i>				
#1	0.88	2.82	0.26	Core
#2	0.58	1.35	0.26	Core
#3	−1.74	1.58	0.41	Rim
#4	5.45	1.58	0.41	Rim
#5	−2.40	1.84	0.41	Rim
<i>Grain 6</i>				
#1	8.84	1.81	0.41	Rim
#2	7.91	2.36	0.39	Rim
#3	11.43	1.52	0.39	Rim
#4	9.15	1.47	0.25	Core
#5	12.19	1.70	0.24	Core
#6	7.89	1.88	0.24	Core

#7	9.26	2.22	0.28	Core
#8	9.90	1.77	0.39	Rim
#9	9.24	1.49	0.40	Rim
#10	4.47	2.32	0.25	Core
#11	7.63	2.43	0.25	Core
#12	5.82	2.46	0.24	Core
<i>Grain 12</i>				
#A1	2.63	1.67	0.41	Rim
#A2	8.15	1.96	0.41	Rim
#A3	6.22	1.91	0.42	Rim
#A4	6.28	2.44	0.41	Rim
#A5	7.40	1.98	0.41	Rim
#A6	7.47	1.98	0.42	Rim
#A7	6.32	1.82	0.41	Rim
#A8	7.32	1.17	0.40	Rim
#B1	8.77	2.06	0.34	Core
#B2	4.31	2.63	0.30	Core
#B3	10.01	2.03	0.31	Core
#B4	5.78	2.11	0.31	Core
#B5	6.40	1.55	0.34	Core
#B6	6.03	1.63	0.40	Rim
#B7	8.96	1.93	0.40	Rim
#B8	4.66	2.44	0.42	Rim
#B9	5.04	1.56	0.41	Rim

^a Standard error of the mean

^b X_{An} values are from the EPMA results nearby the SIMS analysis spots