

<b>B01-3</b>	pro 1	pro 2	peak	retro
T, °C	510±5	550±10	710±20	?
P, kbar	11±2	11±2	11±2	?
Grt	core	mantle	rim	
Phe	Phe 0	Phe 1	Phe 2	
Qtz				
Ky				
Bt				
Chl				
Fsp				
Ilm				
Zrn				
Mnz				
REE-min				
Rt			o	
Xen				
Ap				
Grph				

<b>B94-333</b>	pro	peak	retro
T, °C	~500	800-900	740±30
P, kbar	~10	30-35	12±3
Grt	core	mantle	rim
Phe			
Bt			
Qtz			
Ky			
Kfs			
Pl			
Cpx			
Zrn			
Mnz/Aln			
REE-Th mins			
Rt			o
Ap			
melt			

<b>B94-256</b>	pro 1	peak	retro 1	retro 2
T, °C	400-500	950-1000	820±10	700±20
P, kbar	≈30	45-65	20	21±2
Grt	+ M inc	+ Z inc	o low-Ca	high-Ca
Phe	M inc	Z inc	mtx	
Q/Coe				
Bt				
Kfs				
Zrn				
Mnz				
Rt			o	
Ap				
Aln				
melt				

<b>B118A50</b>	pro	peak	retro
T, °C	800-900	950-1000	~800
P, kbar	20-40	45-65	~10
Grt			o
Phe			
Q/Coe			
Bt			
Fsp			
Zrn	core	mantle	rim
Aln			
Mnz+Th-mins			
Rt			o
Dia			
melt			

Supplementary figure S1

Figure S1: Mineral evolution diagrams for the studied samples.

Different thickness of lines demonstrates changes in mineral abundance.

o — denotes homogenization of mineral by diffusion. M inc — monazite inclusions,

Z inc — zircon inclusions, mtx — matrix.

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