- Fig. A1. (a) Scanned image of a large thin section of fragmented granodiorite (GD) and aplite layer featuring cataclasis. The sample was taken from point (B) in Fig. 2b. The thin section is normal to foliation, and parallel to an older lineation inclined to the east. Rectangles indicate locations of Fig. A1b–d. (b) Image in cross-polarized light showing the cross-cutting relationships among aplite (AP), vein calcite (Cal), and cataclasite matrix (Cat_m), indicating that the formation of the calcite vein preceded cataclasis. (c) Image in plane-polarized light showing plastic deformation of biotite (Bt) defining P and Y foliations, indicating a dextral sense of shear (black arrows). (d) Image in plane-polarized light showing plastic deformation of biotite (Bt) defining P foliation, indicating a sinistral sense of shear (white arrows).
- Fig. A2. (a) Scanned image of a large thin section of a sample taken from point (B) in Fig. 2b. The thin section is normal to foliation, and parallel to a younger lineation inclined to the NNW. P–Y–R₁ fabric indicates a sinistral sense of shear (and normal faulting at the outcrop). Rectangles indicate locations of Fig. A2b and A2d. PSZ = Principal Slip Zone, and PSS = Prominent Slip Surface. (b) Biotite fish (white arrowhead) along the PSS shows a sinistral sense of shear (white arrows; related to normal faulting at the outcrop). (c) Enlarged image of part of Fig. A2b, with a line drawing depicting possible glide dislocation in the biotite fish. (d) Two biotite fish (two white arrowheads) along the P foliation in the PSZ showing sinistral sense of shear (white arrows; related to normal faulting at the outcrop). (e) Kink band developed in a larger biotite fish shown in (d) is evidence of dislocation gliding after the fish formed indicative that the deformation in the PSZ occurred under sufficient differential stress and lithostatic pressure, not near the ground surface.

Table A1. Summary of thermal inversion parameters for FT length data modeling. GOF = goodness of fit.





地質学雑誌127巻1号 末岡 茂ほか(p.25-39)オープンファイル

Run ID	Sample code	Number of – constraints	Number of t-T paths			GOF of the best-fit path			
			Total	Acceptable (GOF > 0.05)	Good (GOF > 0.5)	AFT age	AFT length	ZFT age	ZFT length
a1	SBGr-S1	1	21,829	249	100	0.96	0.94	0.84	0.82
a2	SBGr-S1	3	195,973	1,383	100	0.63	0.95	0.72	0.97
b1	SBGr-N2	1	61,853	1,428	100	0.74	0.98	0.92	0.36
c1	SB101	1	87,372	416	100	0.98	0.82	0.81	0.75
c2	SB101	3	22,567	353	100	0.82	0.75	0.84	0.81