

Table S1. Mineral data and sample structural positions.

Sample	°N	°E	ms	grt	st	pl	ky	sil	kfs	Lithology
GH samples;										
BU10-76 (+650 m**)	26.94322	89.47106	x	x	x	x				Paragneiss
BU08-1 (+600 m)	27.42667	89.69115		x		x		x	x	Paragneiss
BU10-74 (+400 m)	26.91969	89.47578	x	x		x				Paragneiss
BU10-81 (+400 m)	26.92267	89.49167	x	x		x				Paragneiss
BU10-55 (+350 m)	27.13889	89.02656	x			x		x	x	Paragneiss
BU10-61 ((+220 m)	27.04997	88.89622	x	x		x	x			Schist
BU08-124 (+200 m)	27.40536	89.25842		x		x		x	x	Paragneiss
BU10-48 (+50 m)	27.25803	89.26336				x		x	x	Paragneiss
BU08-141 (+50 m)	27.25369	89.26180		x		x		x	x	Paragneiss
BU08-4 (<+50 m)	27.32392	89.65653		x		x		x	x	Paragneiss
BU08-130 (<+50 m)	27.14997	89.54369		x	x		x			Paragneiss
BU08-131 (<+50 m)	27.06505	89.55766		x		x	x	x	x	Paragneiss
Upper LH sample;										
BU10-79 (-50 m)	26.91411	89.46975	x	x		x				Schist

* All samples contain quartz and biotite. Note: Sample BU10-79 also has chlorite.

** Approximate distance in meters structurally above and below the MCT.



