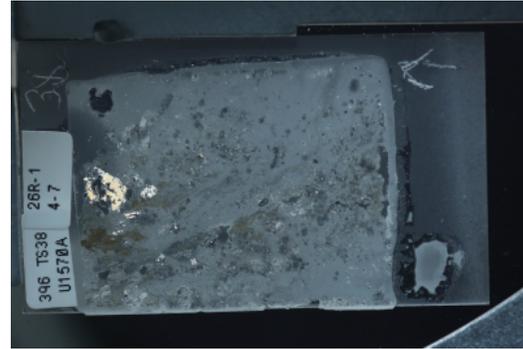


THIN SECTION LABEL ID: **396-U1570A-26R-1-W 4/7-TSB-TS38** Thin section no.:
 Observer: SL Piece no.:
 Thin section thickness: 30 Unit/subunit:
 Thin section summary: garnet cordierite dacite flow. The groundmass is glassy and highly vesicular. Phenocrysts include garnet, cordierite, graphite, plagioclase and pyrite. Most of them were lost during the polishing process.

Plane-polarized: 59436381



Cross-polarized: 59436661



Igneous Petrology

Lithology: garnet dacite **Groundmass grain size (avg.):** glass
Texture: hypohyaline **Grain size distribution:** bimodal

Phenocrysts	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	10				8	subhedral	tabular	

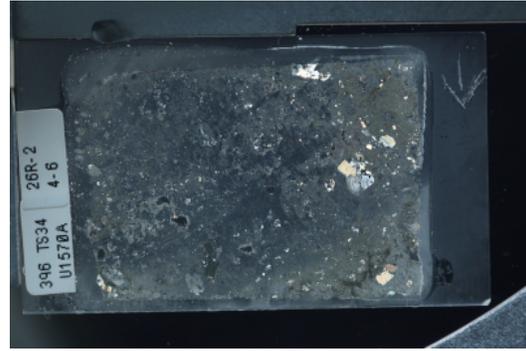
Groundmass	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Glass				N/A	N/A	N/A	N/A	flow texture

THIN SECTION LABEL ID: **396-U1570A-26R-2-W 4/6-TSB-TS34** Thin section no.:
 Observer: SL Piece no.:
 Thin section thickness: 30 Unit/subunit:
 Thin section summary: garnet cordierite dacite flow. The groundmass is glassy and highly vesicular. Phenocrysts include garnet, cordierite, graphite, plagioclase, clinopyroxene and pyrite. Many of them were lost during the polishing process.

Plane-polarized: 59436321



Cross-polarized: 59436581



Igneous Petrology

Lithology: garnet dacite **Groundmass grain size (avg.):** glass
Texture: hypohyaline **Grain size distribution:** bimodal

Phenocrysts	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
	Plagioclase	10				8	subhedral	
Clinopyroxene	3			0.2	8	anhedral	tabular	

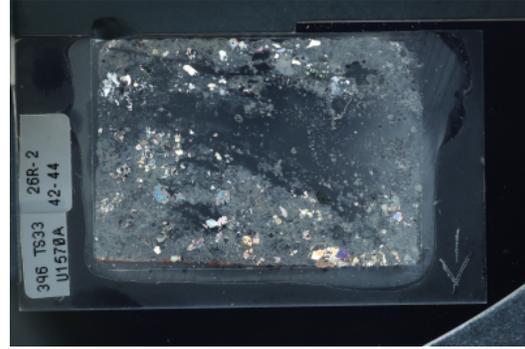
Groundmass	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
	Glass				N/A	N/A	N/A	

THIN SECTION LABEL ID: **396-U1570A-26R-2-W 42/44-TSB-TS33** Thin section no.:
 Observer: SL Piece no.:
 Thin section thickness: 45 Unit/subunit:
 Thin section summary: garnet cordierite dacite flow. The groundmass is glassy and highly vesicular. Phenocrysts include garnet, cordierite, graphite, plagioclase, clinopyroxene and pyrite. Many of them were lost during the polishing process.

Plane-polarized: 59436201



Cross-polarized: 59436561



Igneous Petrology

Lithology: garnet dacite

Groundmass grain size (avg.): glass

Texture: hypohyaline

Grain size distribution: bimodal

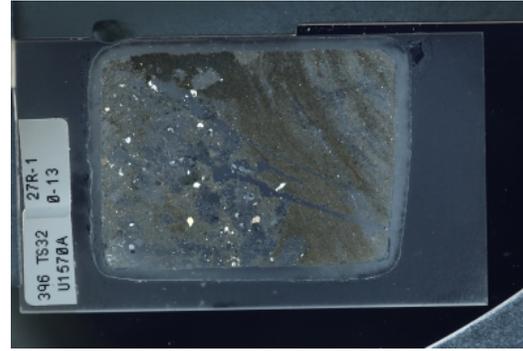
Phenocrysts	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	10				8	subhedral	tabular	
Clinopyroxene	8			0.2	8	anhedral	tabular	
Groundmass	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Glass				N/A	N/A	N/A	N/A	flow texture

THIN SECTION LABEL ID: **396-U1570A-27R-1-W 10/13-TSB-TS32** Thin section no.:
 Observer: SL Piece no.:
 Thin section thickness: 45 Unit/subunit:
 Thin section summary: Contact between a glassy dacite flow with phenocrysts of garnet, cordierite, plagioclase, graphite and pyrite (Domain 1) and brown sandstone (Domain 2). The sandstone also includes the presence of glass needles and phenocrysts from the dacite.

Plane-polarized: 59436141



Cross-polarized: 59436541



Igneous Petrology

Lithology: garnet dacite **Groundmass grain size (avg.):** glass
Texture: hypohyaline **Grain size distribution:** bimodal

Phenocrysts	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	10				8	subhedral	tabular	

Groundmass	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Glass				N/A	N/A	N/A	N/A	flow texture

THIN SECTION LABEL ID: **396-U1570B-11R-1-W 116/118-TSB-TS35**

Thin section no.:

Observer: SL

Piece no.:

Thin section thickness: 30

Unit/subunit:

Thin section summary: polymictic limestone with siliciclastic and bioclastic grains. Elliptical micritic peloids are also present.

Plane-polarized: 59431851



Cross-polarized: 59436601



THIN SECTION LABEL ID: **396-U1570B-21R-2-W 141/145-TSB-TS36**

Thin section no.:

Observer:

Piece no.:

Thin section thickness:

Unit/subunit:

Thin section summary: ash with common large phenocrysts of feldspar and rare biotites cemented in a carbonated matrix

Plane-polarized: 59431911



Cross-polarized: 59436621



THIN SECTION LABEL ID: **396-U1570B-21R-3-W 114/118-TSB-TS37**

Thin section no.:

Observer: SL

Piece no.:

Thin section thickness: 30

Unit/subunit:

Thin section summary: thin section is dominated by an ash-rich grain-supported LIMESTONE with clay in contact with a micritic with parallel lamination limestone. A single large grain of pyrite is observed in the micritic limestone. The ash-rich limestone also contains common plagioclase and quartz crystal. The contact between the two limestones show dendritical growth of calcite perpendicular to the lamination.

Plane-polarized: 59432001



Cross-polarized: 59436641

