

General Information			
Sample Name (IGSN)	EX1605L3-D20-1		
Describer	Kevin Konrad		
Sample Location	Unnamed subducting Guyot		
Lithology prefix	Plagioclase-Clinopyroxene		
General Lithology	Basalt		
Texture 1			
Texture 2			
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	80	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	20	Check [ Or = Pr + Rf ]	OK
Total Groundmass Original (%)	100	Check [ Gp + Gl + Ms = 100% ]	OK
Total Groundmass Present (%)	80	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	20	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	A fine grained basalt with some small iddingsite grains visible. Sample contains a few large rounded vesicles that are completely infilled.		
Thin Section Summary	A clinopyroxene and plagioclase phyric basalt with a somewhat coarse groundmass (sub-holocrystalline). All vesicles seem to be 100% filled with calcite and contain opaque halos (alteration?) around them.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]		10		5			15	70
Present (%) [ Pr ]		10		5			0	56
Replaced / Filled (%) [ Rf ]		0		0			15	14
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.25		0.15			0.15	
Maximum Size (mm)		1		0.35			0.35	
Modal Size (mm)		0.7		0.3			0.25	
Shape		sub-euhedral		subhedral			Rounded	
Habit								
Zonation Type		Albite twin						
Zonation Extent								
Exsolution Type								
Special Features								
Comments							Completely calcite infill	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]		30		20	10			40
Present (%) [ Pr ]		30		20	10			20
Replaced / Filled (%) [ Rf ]		0		0	0			20
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.1		0.05	0.05			
Maximum Size (mm)		0.2		0.15	0.1			
Modal Size (mm)		0.15		0.1	0.075			
Shape		subhedral		anhedral	anhedral			
Habit		laths						
Comments				Some may be olivine. No iddingsite however.				Some minor calcite, some potentially altered olivine (serpentine). Not great looking