

General Information			
Sample Name (IGSN)	EX1504L4-D13-1		
Describer	Kevin Konrad		
Sample Location	Guyot Ridge (NW Karin Plateau)		
Lithology prefix	trachytic		
General Lithology	basalt		
Texture 1	aphyric		
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 homogenous basalt with some larger plagioclase grains. Contains little to no vesicles but some fractures exist. Sample has a Mn crust.		
Thin Section Summary	A plagioclase rich basalt with trachytic textures. The rock is primarily plagioclase with some small clinopyroxene and altered olivine. A few small vesicles exist in thin section.		

## Whole Rock



## Transmitted Light



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]							1	99
Present (%) [ Pr ]							0.5	79
Replaced / Filled (%) [ Rf ]							0..5	20
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	#VALUE!	OK
Minimum Size (mm)							0.01	
Maximum Size (mm)							0.1	
Modal Size (mm)							0.05	
Shape							rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments							Some alteration halos	

## Cross Polarized



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]	5	70		5	10			10
Present (%) [ Pr ]	0	70		5	10			0
Replaced / Filled (%) [ Rf ]	5	0		0	0			10
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.05	0.1		0.01	0.05			
Maximum Size (mm)	0.07	0.2		0.05	0.07			
Modal Size (mm)	0.05	0.15		0.03	0.05			
Shape	anhedral	euhedral		subhedral	subhedral			
Habit								
Comments		Laths, aligned						alteration