

General Information			
Sample Name (IGSN)	EX1605L3-D2-3		
Describer	Kevin Konrad		
Sample Location	Pagan		
Lithology prefix	plagioclase		
General Lithology	basalt		
Texture 1	vesicular		
Texture 2	trachytic		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	100	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	0	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A very fine grained scoria with reddish exterior and dark grey interior. Sample is highly vesicular with little to no vesicle infill. Thin section from core of the sample		
Thin Section Summary	A very fresh plagioclase basalt with abundant unfilled vesicles. Sample also contains some olivine grains (low birefringences however, I may be wrong). The plagioclase grains are aligned in a trachytic texture. The groundmass consists of a very fine mesostasis and appears to be quite fresh in the core of the rock.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	5	8					40	47
Present (%) [Pr]	5	8					40	47
Replaced / Filled (%) [Rf]	0	0					0	0
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.1	0.2					0.1	
Maximum Size (mm)	0.2	0.3					0.8	
Modal Size (mm)	0.15	0.2					0.2	
Shape	subhedral	subhedral					Rounded	
Habit								
Zonation Type		albite twinning						
Zonation Extent		pervasive						
Exsolution Type								
Special Features								
Comments	Has low first order yellow birefringences so may not be olivine.						Unfilled and vary from rounded (small) to elongated (larger vesicles)	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]								100
Present (%) [Pr]								100
Replaced / Filled (%) [Rf]								0
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								Seems fresh but is fine grain and difficult to ascertain the level of alteration.