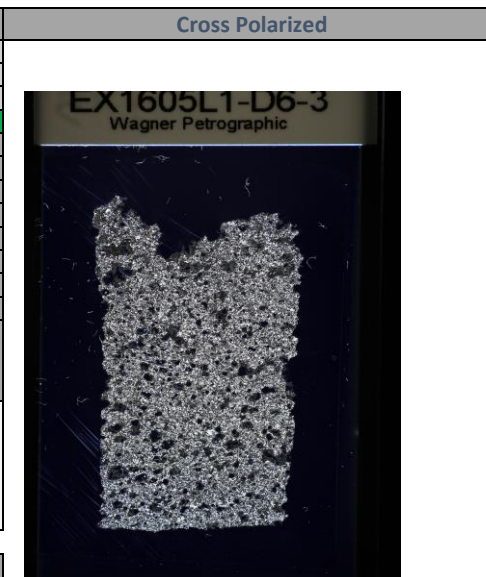


General Information			
Sample Name (IGSN)	EX1605L1-D6-3		
Describer	Kevin Konrad		
Sample Location	Fina Nagu Caldera		
Lithology prefix			
General Lithology	basalt		
Texture 1	vesicular		
Texture 2	altered		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	50	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	50	Check [ Or = Pr + Rf ]	OK
Total Groundmass Original (%)	100	Check [ Gp + Gl + Ms = 100% ]	OK
Total Groundmass Present (%)	50	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	50	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	An aphyric highly vesicular basalt with a glass rich rim. The sample contains some zones of alteration within the larger fractures/voids. Surface of the sample preserves some blocky flow features.		
Thin Section Summary	A aphyric basalt that contains numerous vesicles with clay infill. The groundmass consists of relatively fresh plagioclase and clinopyroxene within a highly altered mesostasis. The mesostasis is more altered around the rims of vesicles.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [ Or ]							40	60	
Present (%) [ Pr ]							20	30	
Replaced / Filled (%) [ Rf ]							20	30	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)							0.01		
Maximum Size (mm)							0.3		
Modal Size (mm)							0.1		
Shape							irregular		
Habit									
Zonation Type									
Zonation Extent									
Exsolution Type									
Special Features									
Comments							A mix of a few large vesicles and a lot of tiny (0.01mm) vesicles. All are partly infilled		



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]		30		5				65
Present (%) [ Pr ]		30		5				20
Replaced / Filled (%) [ Rf ]		0		0				45
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.01		0.01				
Maximum Size (mm)		0.15		0.02				
Modal Size (mm)		0.02		0.015				
Shape		subhedral		subhedral				
Habit								
Comments		typically lath like habit						Difficult to ascertain alteration levels. Certainly highly altered around vesicles.