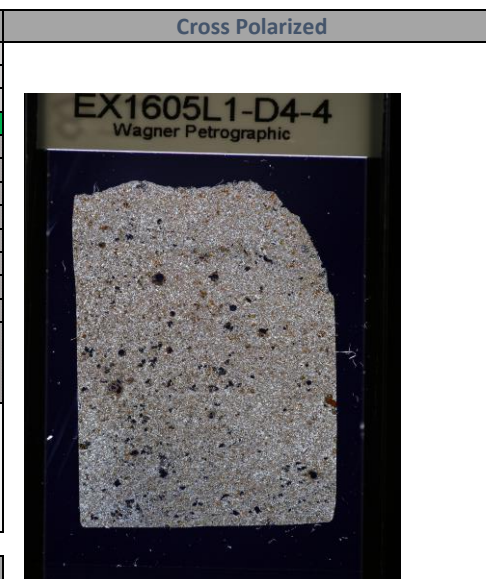


General Information			
Sample Name (IGSN)	EX1605L1-D4-4		
Describer	Kevin Konrad		
Sample Location	Enigma seamount		
Lithology prefix			
General Lithology	basalt		
Texture 1	fine grained		
Texture 2	altered		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	50	Check [ 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	A reddish-brown aphyric igneous rock . Contains some large fractures that are completely infilled. Some small iddingsite grains are found throughout.		
Thin Section Summary	A fine grained basalt that contains at least one recrystallized olivine phenocryst. Groundmass is composed of iddingsite-clay and plagioclase with occasional cpx and spinel. Sample contains some rounded vesicles. Larger vesicles are rimmed with reddish alteration while the smaller vesicles containing some form of palagonite infill.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]	1						5	94
Present (%) [ Pr ]	0						3	47
Replaced / Filled (%) [ Rf ]	1						2	47
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.5						0.001	
Maximum Size (mm)	0.5						0.4	
Modal Size (mm)	0.5						0.1	
Shape	anhedral						rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	100% iddingsite						Small vesicles are infilled by some palagonite like crystals.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]		50						50
Present (%) [ Pr ]		40						0
Replaced / Filled (%) [ Rf ]		10						50
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.01						
Maximum Size (mm)		0.1						
Modal Size (mm)		0.1						
Shape		subhedral						
Habit								
Comments		Some spongy alteration textures.						Mixture of iddingsite, reddish altered glass and small cpx grains. Some palagonite in there