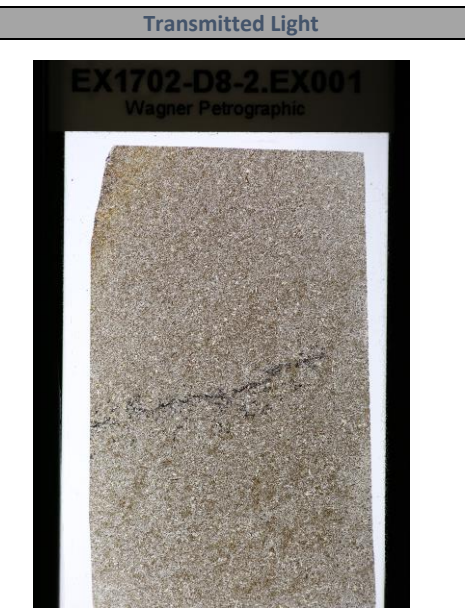
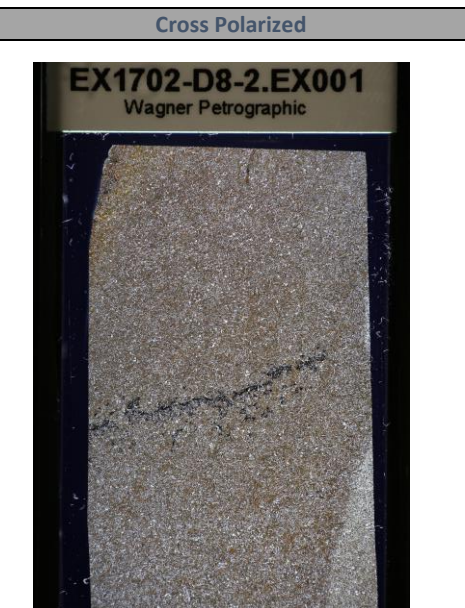


E			
Sample Name (IGSN)	EX1702-D8-2		
Describer	Kevin Konrad		
Sample Location	Utu Seamount		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Trachytic		
Texture 2	Heavily altered		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	20	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	80	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	20	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	80	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A brown recrystallized basalt(?) with a thick 0.5-1" Fe-Mn rind. No phenocrysts are visible and some Mn appears to exist along fractures in the sample.		
Thin Section Summary	A heavily altered trachytic basalt with aligned grains of plagioclase (up 0.1mm) within a matrix of red Fe-oxide altered glass. Sample contains small vesicles with complete palagonite infilling. A fracture down the center of the thin section is filled with a optically black substance, likely Fe-Mn secondary crystallization.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]							2	98
Present (%) [Pr]							0	20
Replaced / Filled (%) [Rf]							2	78
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)							0.01	
Maximum Size (mm)							0.02	
Modal Size (mm)							0.01	
Shape							rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments							Palagonite infilled	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		20					80	
Present (%) [Pr]		20					0	
Replaced / Filled (%) [Rf]		0					80	
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)		0.05						
Shape		Subhedral						
Habit								
Comments							Fe-oxide alteration	