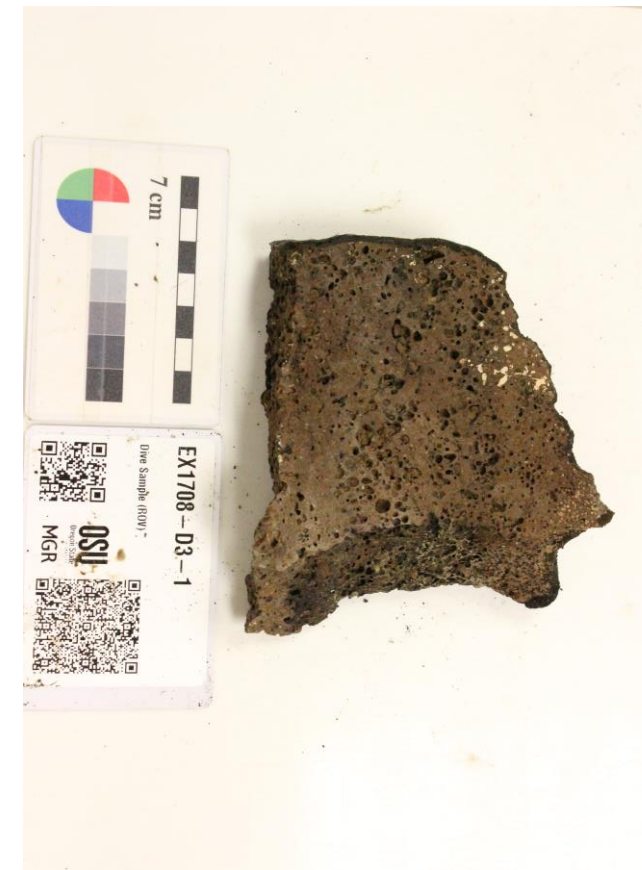
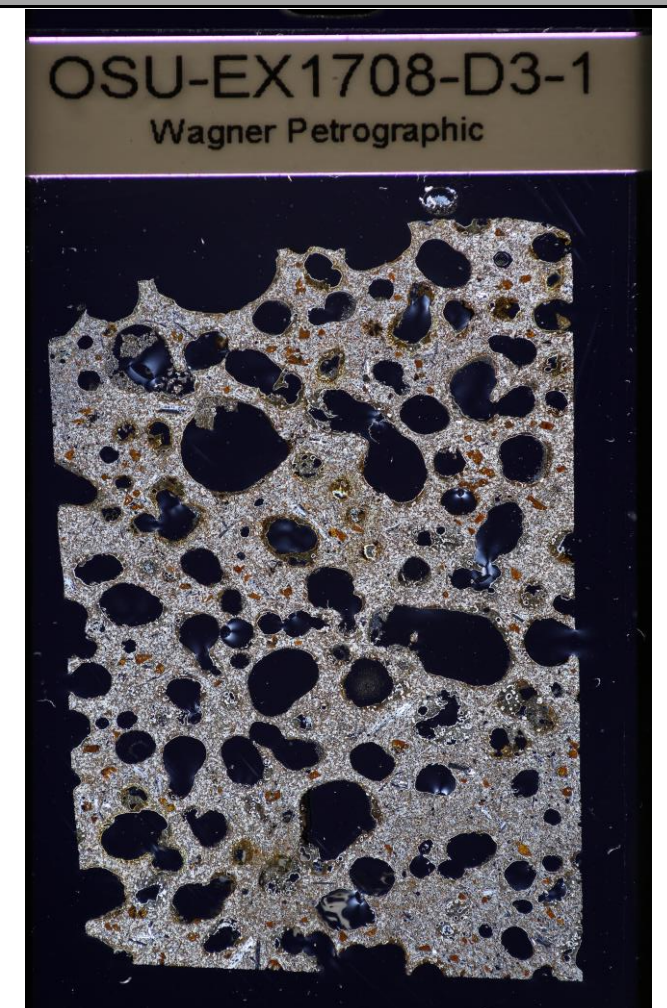


General Information			
Sample Name (IGSN)	EX1708-D3-1		
Describer	Kevin Konrad		
Sample Location	Beethoven Ridge		
Lithology prefix	olivine-plagioclase		
General Lithology	basalt		
Texture 1	vesicular		
Texture 2			
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	5	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	95	Check [ Or = Pr + Rf ]	OK
Total Groundmass Original (%)	100	Check [ Gp + Gl + Ms = 100% ]	OK
Total Groundmass Present (%)	10	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	90	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	An olivine-plagioclase basalt with layers of variably sized vesicles. The olivine are small and entirely recrystallized to iddingsite. The vesicles are primarily unfilled with the exception of a few phosphorite filled voids. Groundmass is fine grained with some plagioclase microcrysts. A few potential clinopyroxene phenocrysts are found within (rare).		
Thin Section Summary	A olivine and plagioclase phyric basalt with large palagonite rimmed vesicles. The olivine grains are completely recrystallized to iddingsite. Plagioclase grains have spongy textures. The groundmass consists of spongy plagioclase grains and Fe-oxide and palagonite recrystallized glass. The small vesicles contain fine zeolite infilling.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]	5	5					50	
Present (%) [ Pr ]	0	2					25	
Replaced / Filled (%) [ Rf ]	5	3					25	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.25	0.25					0.1	
Maximum Size (mm)	0.5	1					5.5	
Modal Size (mm)	0.25	0.5					2.5	
Shape	anhedral	subhedral					rounded	
Habit								
Zonation Type		Albite twinning						
Zonation Extent		common						
Exsolution Type								
Special Features								
Comments	Complete iddingsite recrystallization	Spongy texture.					Groundmass contains fine vesicles with zeolite infill. Coarse vesicles have palagonite rims	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]		15						85
Present (%) [ Pr ]		10						0
Replaced / Filled (%) [ Rf ]		5						85
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.1						
Maximum Size (mm)		0.25						
Modal Size (mm)		0.1						
Shape		elongated						
Habit								
Comments		Spongy textures						Mush of altered glass, zeolites and other alteration products