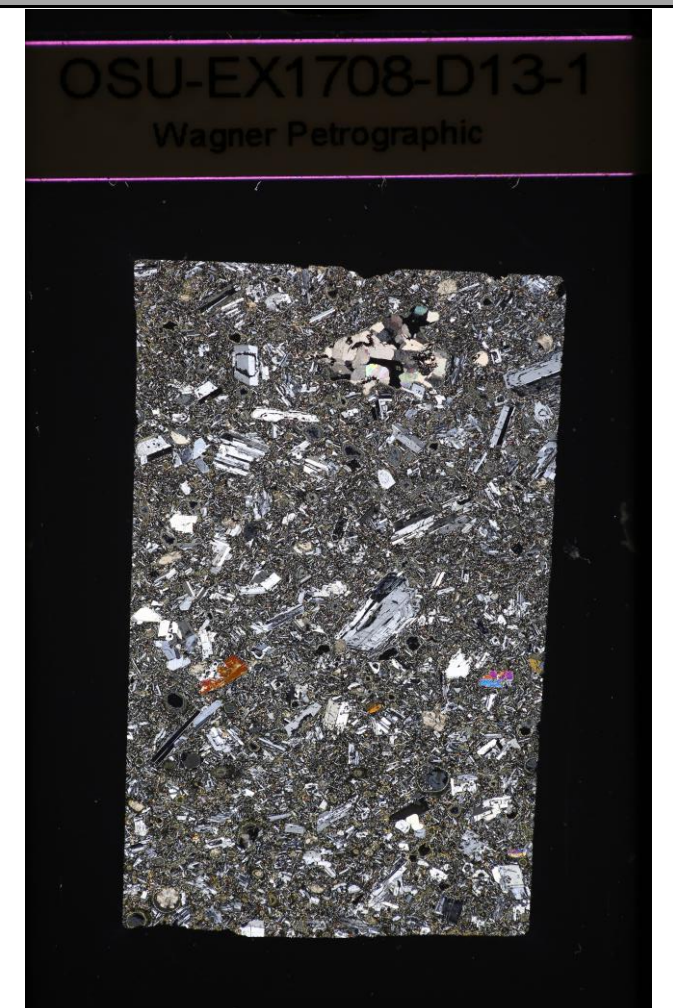


General Information			
Sample Name (IGSN)	EX1708-D13-1		
Describer	Kevin Konrad		
Sample Location	Paganini Seamount		
Lithology prefix	Plagioclase-Clinopyroxene		
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	90	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	10	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	90	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	10	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A plagioclase-clinopyroxene phyric basalt with calcite amygdules. Groundmass is dark, fine grained and somewhat fresh. The basalt is dense and contains a thin FeMn coat.		
Thin Section Summary	A plagioclase and clinopyroxene phyric basalt with a relatively fresh groundmass. The plagioclase grains are coarse (up to 2.5mm) with sector zoning and albite twinning. Some spongy textured layers are found in the phenocrysts. The clinopyroxene are fewer and smaller but still fairly fresh. The groundmass consists of plagioclase, clinopyroxene, spinel and glass (altered). Vesicles are all palagonite rimmed with some filled with calcite. Some of the small vesicles are entirely palagonite filled.		



Cross Polarized

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		25		5			10	
Present (%) [Pr]		23		5			3	
Replaced / Filled (%) [Rf]		2		0			7	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.25		0.25			0.1	
Maximum Size (mm)		2.5		1			0.75	
Modal Size (mm)		1		0.75			0.25	
Shape		subhedral		subhedral			Rounded	
Habit								
Zonation Type		Sector-Albite twin						
Zonation Extent		common						
Exsolution Type								
Special Features								
Comments		Some spongy textures on inner layers					Palagonite rims, zeolite infill and calcite infill common	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		25		10	10			55
Present (%) [Pr]		23		10	10			10
Replaced / Filled (%) [Rf]		2		0	0			45
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.01		0.01	0.01			
Maximum Size (mm)		0.1		0.075	0.075			
Modal Size (mm)		0.05		0.05	0.05			
Shape		Subhedral		Subhedral	Subhedral			
Habit								
Comments								Mostly palagonite recrystallized glass. Other alteration products