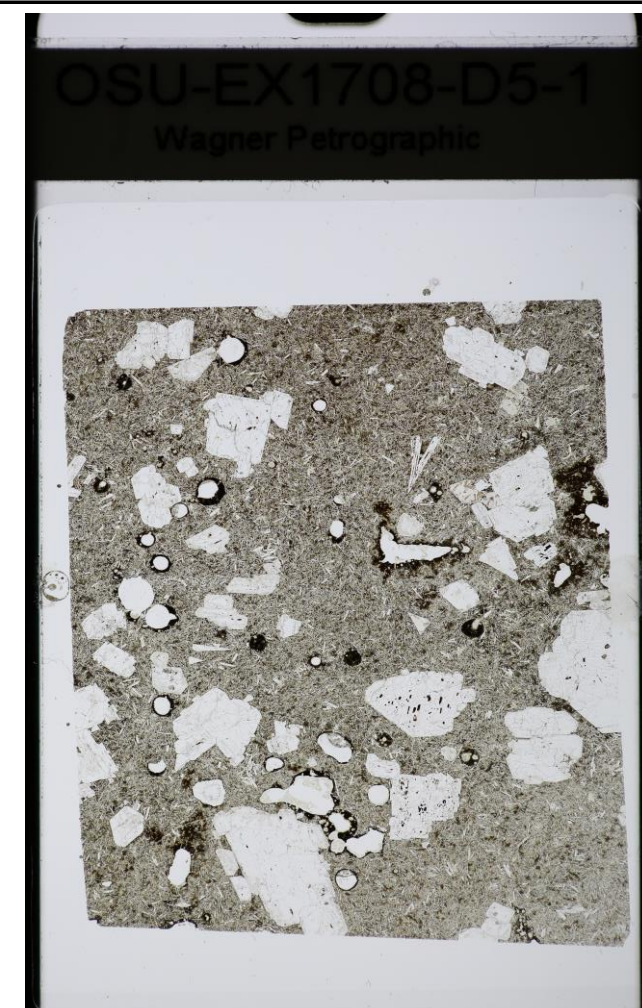
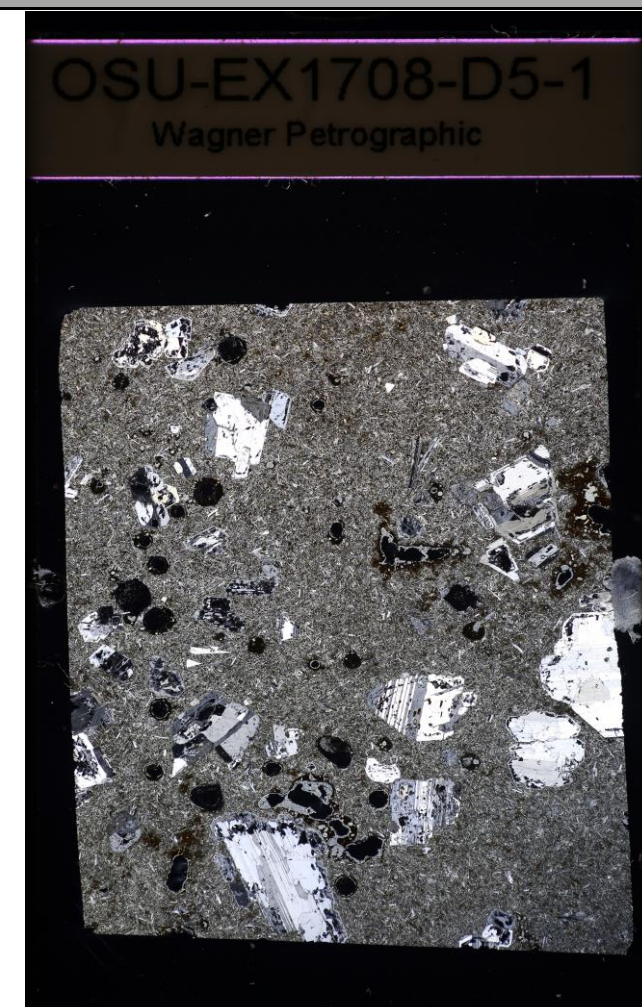


General Information			
Sample Name (IGSN)	EX1708-D5-1		
Describer	Kevin Konrad		
Sample Location	Gounod Seamount		
Lithology prefix	Plagioclase		
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	40	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	60	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 plagioclase phyrlic (boarding on ultra-phyric) basalt with coarse plagioclase grains (up to 1cm length). The groundmass fines outward and becomes heavily Fe-oxide altered towards the rim. The core of the sample contains a fine grained but grey groundmass. Sample contains a thin FeMn coat.		
Thin Section Summary	A plagioclase basalt with coarse plagioclase grains. The plagioclase grains contain spongy textures with some spinel inclusions near the crystal core. Sample contains slight sector zoning and common albite twinning. Some plagioclase grains have cores missing. The groundmass consists of plagioclase laths, partially altered clinopyroxene grains and alteration products. Vesicles commonly contain palagonite rims and alteration halos. Some vesicles/voids have fine palagonite (+/- zeolite) infilling.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		30					15	
Present (%) [Pr]		25					13	
Replaced / Filled (%) [Rf]		5					2	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.5					0.5	
Maximum Size (mm)		10					2	
Modal Size (mm)		5					1	
Shape		subhedral					rounded-irregular	
Habit								
Zonation Type		albite						
Zonation Extent		common						
Exsolution Type								
Special Features								
Comments		Spongy textures common, particular around crystal rims.					Palagonite +/- zeolite rimming common.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		20		10				70
Present (%) [Pr]		17		3				0
Replaced / Filled (%) [Rf]		3		7				70
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.1		0.05				
Maximum Size (mm)		0.25		0.075				
Modal Size (mm)		0.2		0.06				
Shape		subhedral		anhedral				
Habit		elongated laths						
Comments				Altered, likely talc.				Mush composed of alteration products. Spinels are likely present