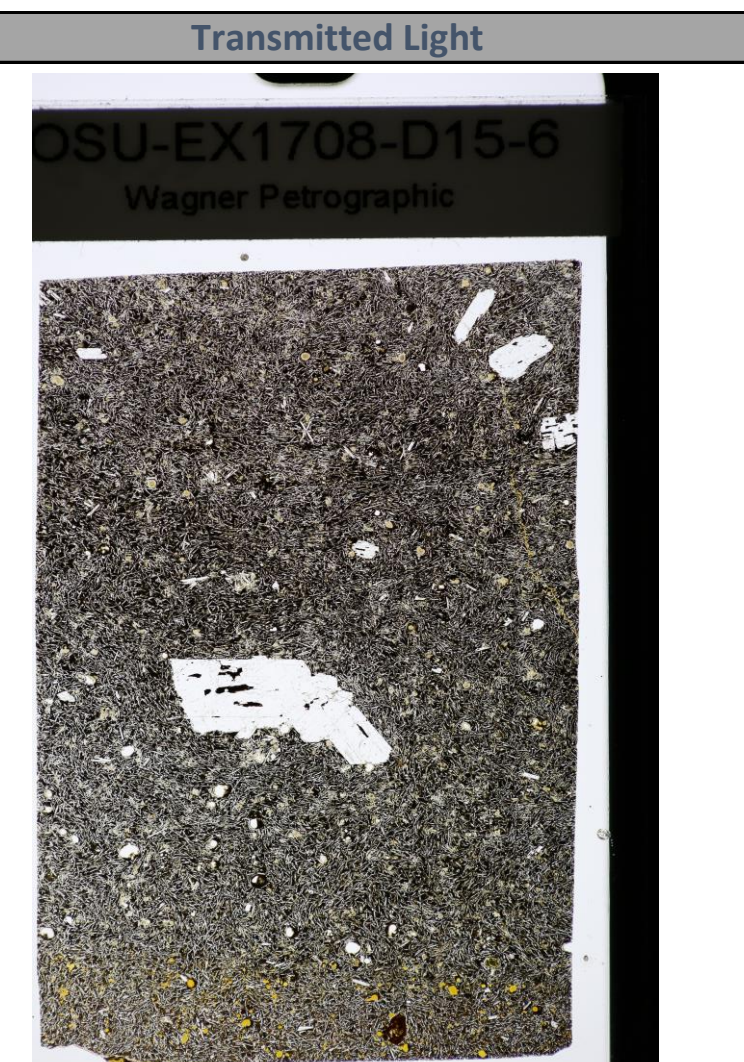
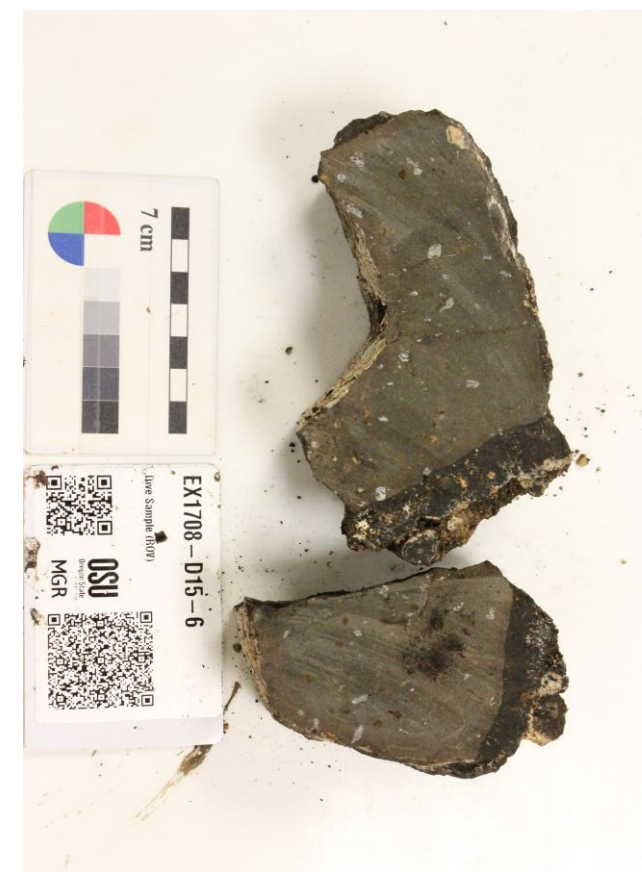
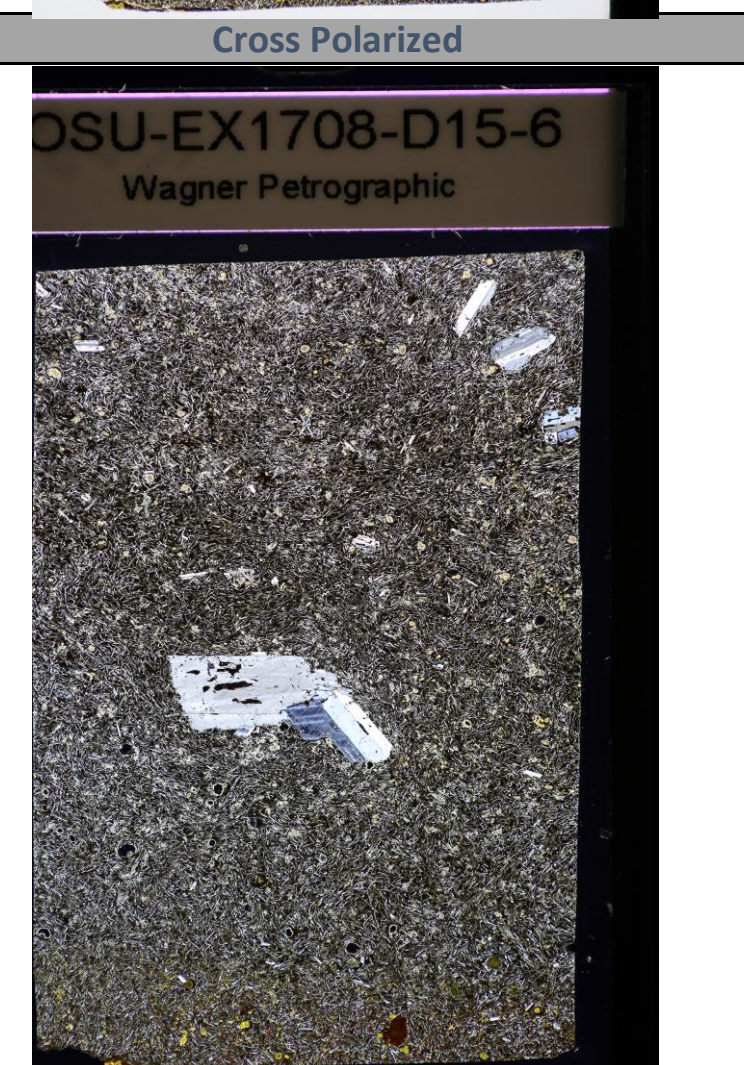


General Information			
Sample Name (IGSN)	EX1708-D15-6		
Describer	Kevin Konrad		
Sample Location	Mozart Seamount		
Lithology prefix	Plagioclase		
General Lithology	Basalt		
Texture 1	Altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	50	Check [Or = 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 (%)	25	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	75	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A very large FeMn crusted rock containing both a plagioclase-olivine basalt and soft substrate sediment. The FeMn crust is bulbous and ~2-4 cm thick. The basalt is fine grained with coarse clinopyroxene and finer iddingsite grains. The groundmass appears fairly fresh throughout. A lot of material is available for this rock.		
Thin Section Summary	A plagioclase basalt with a few olivine (iddingsite) phenocrysts. The plagioclase grains are large and relatively fresh. The groundmass consists of plagioclase laths within a mesostasis of altered glass, spinel and alteration products. Sample contains small vesicles with palagonite rims.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	2	10					5	
Present (%) [Pr]	0	9					3	
Replaced / Filled (%) [Rf]	2	1					2	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.4	0.75					0.2	
Maximum Size (mm)	0.4	6					0.35	
Modal Size (mm)	0.4	0.75					0.2	
Shape	anhedral	Subhedral					Rounded	
Habit								
Zonation Type		Albite twinning						
Zonation Extent		Common						
Exsolution Type								
Special Features								
Comments	Iddingsite						Palagonite rims/infilling.	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		25						75
Present (%) [Pr]		20						10
Replaced / Filled (%) [Rf]		5						65
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)		0.15						
Shape		subhedral						
Habit		laths						
Comments								Mosly altered glass, some alteration product (tal?) and an uncertain amount of spinel