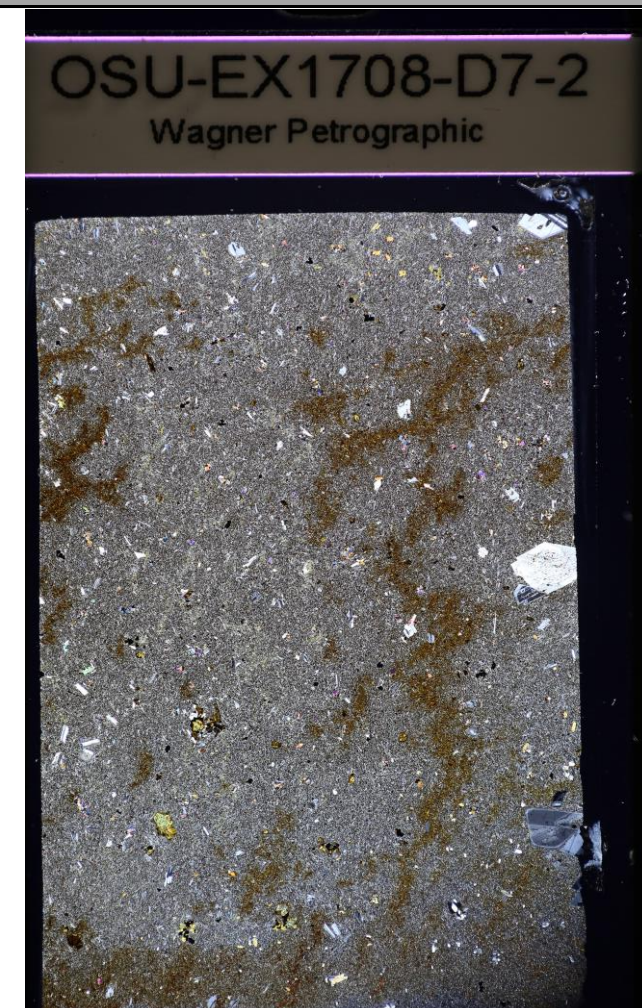


General Information			
Sample Name (IGSN)	EX1708-D7-2		
Describer	Kevin Konrad		
Sample Location	Debussy Seamount		
Lithology prefix	plagioclase		
General Lithology	basalt		
Texture 1	altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	60	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	40	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	50	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	50	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A trachytic clinopyroxene-plagioclase basalt with an altered glass rind. Sample is fine grained with aligned voids that contain Fe-oxide alteration halos. Sample contains a thin (up to 0.25 cm) FeMn crust.		
Thin Section Summary	A plagioclase basalt with clinopyroxene, plagioclase and spinel microcrysts (potential phenos not in thin section). The plagioclase phenocrysts are relatively fresh and contain minor sector zoning and some albite twinning. Inclusions, glass and spinel, are common within the plagioclase grains. Clinopyroxene microcrysts are fresh. The spinel are coarse and contain some minor oxidation. Some spinel microcrysts are found in association with talc recrystallized pyroxene (likely xenocrysts). The groundmass consists of fine plagioclase and clinopyroxene grains within an altered glass matrix. Fe-oxide alteration is more pervasive in zones, likely following fractures/veins. A few palagonite filled vesicles are found within.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		5						
Present (%) [Pr]		4						
Replaced / Filled (%) [Rf]		1						
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		1						
Maximum Size (mm)		1.5						
Modal Size (mm)		1.3						
Shape		subhedral						
Habit								
Zonation Type		albite twin						
Zonation Extent								
Exsolution Type								
Special Features								
Comments		Some inclusions as well as minor sector zoning.						



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		30		5	5			60
Present (%) [Pr]		28		5	5			10
Replaced / Filled (%) [Rf]		2		0	0			50
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.05		0.2	0.2			
Maximum Size (mm)		0.25		0.25	0.25			
Modal Size (mm)		0.1		0.2	0.2			
Shape		subhedral		subhedral	subhedral			
Habit		laths						
Comments		Microcrysts up to 250um diameter		Microcrysts	Microcrysts; some oxidation.			Mosly alteration products (glass)