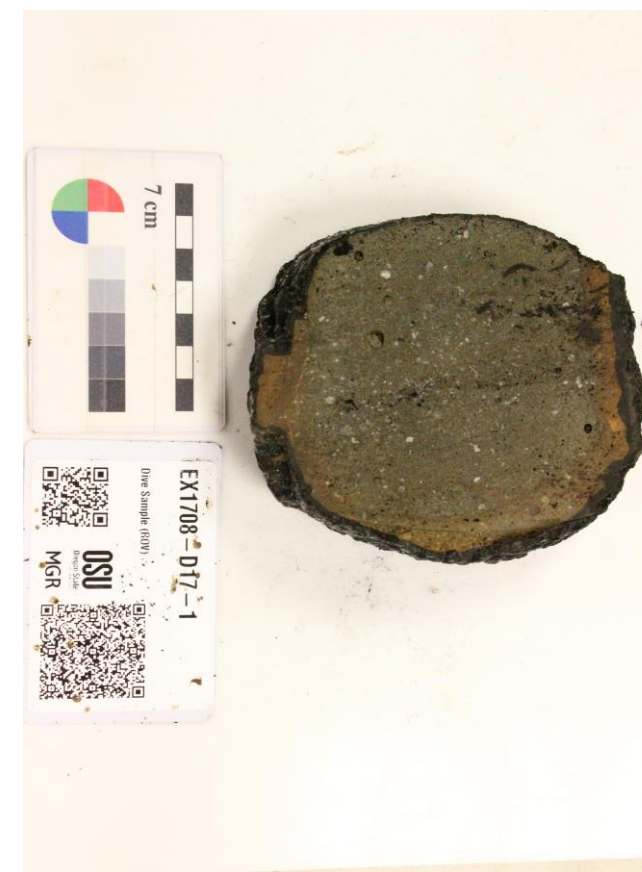


General Information			
Sample Name (IGSN)	EX1708-D17-1		
Describer	Kevin Konrad		
Sample Location	Rapano Seamount		
Lithology prefix	Plagioclase		
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2	Altered		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	70	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	30	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	65	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	35	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A holocrystalline basalt with no discernable phenocrysts. Sample contains regions of Fe-oxide recrystallized glass at the rind of the sample. Sample contains a few vesicles, infilled with carbonate or unfilled. There is a thin (0.5 cm max) FeMn crust enveloping the sample.		
Thin Section Summary	A plagioclase basalt with holocrystalline groundmass. The plagioclase phenocrysts display disequilibrium textures and a yellowish coloring (likely sericite alteration). The groundmass is coarse with plagioclase, clinopyroxene and spinel grains. Vesicles are irregularly shaped and contain both a thin palagonite rim and alteration halos.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		5					10	
Present (%) [Pr]		2					9	
Replaced / Filled (%) [Rf]		3					1	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		2					0.25	
Maximum Size (mm)		2.7					2.5	
Modal Size (mm)		2.3					0.75	
Shape		subhedral					Irregular	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments		Sericite alteration and significant disequilibrium textures					Palagonite rims and alteration halos common	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		60		20	10			10
Present (%) [Pr]		50		15	10			0
Replaced / Filled (%) [Rf]		10		5	0			10
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.35		0.1	0.01			
Maximum Size (mm)		0.5		0.4	0.1			
Modal Size (mm)		0.4		0.2	0.05			
Shape		Subhedral		Anhedral	Subhedral			
Habit		Laths						
Comments		Thin laths						Misc alteration products