		General Information					
Sample Name (IGSN)		EX1708-D17-4					
Describer		Kevin Konrad					
Sample Location		Rapano Seamount					
Lithology prefix		Plagioclase					
General Lithology		Basalt					
Texture 1		Vesicular					
Texture 2							
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	ОК				
Whole Rock Present (%)	90	Check [Or = Pr + Rf]	ОК				
Whole Rock Replaced (%)	10	Check [Or = Pr + Rf]	ОК				
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	ОК				
Total Groundmass Present (%)	95	Check [Or = Pr + Rf]	ОК				
Total Groundmass Replaced (%)	5	Check [Or = Pr + Rf]	ОК				
Whole Rock Summary	A sparsle	y plagioclase and clinopyroxene(?) phyric holocrystallii variable alteration. Sample contains unfilled vesicle					

A holocrystalline plagioclase basalt with unfilled vesicles. The plagioclase phenocrysts with spongy textures and occasional spinel inclusions. The groundmass is plagioclase rich with some clinopyroxene and fine spinel grains.

Thin Section Summary



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Transmitted Light

PHENOCRYSTS [Ph]	OL	PLAG	ОРХ	СРХ	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		10					15	
Present (%) [Pr]		7					15	
Replaced / Filled (%) [Rf]		3					0	
Check [Or = Pr + Rf]	ОК	ОК	OK	ОК	ОК	ОК	ОК	OK
Minimum Size (mm)		0.75					0.2	
Maximum Size (mm)		2					0.75	
Modal Size (mm)		1.5					0.4	
Shape		Subhedral					Irregular	
Habit								
Zonation Type		Albite Twinning						
Zonation Extent		Common						
Exsolution Type								
Special Features								
Comments		Some spongy texures, slight sericite alteration					No significant infilling or rims but alteration halos are common.	

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GROUNDMASS [Gp]	OL	PLAG	OPX	СРХ	SPINEL	OTHER	GLASS [GI]	MSTASIS [Ms]
Original (%) [Or]		70		20	10			
Present (%) [Pr]		70		19	10			
Replaced / Filled (%) [Rf]		0		1	0			
Check [Or = Pr + Rf]	ОК	ОК	ОК	ОК	ОК	OK	ОК	ОК
Minimum Size (mm)		0.25		0.4	0.1			
Maximum Size (mm)		0.5		0.75	0.2			
Modal Size (mm)		0.35		0.5	0.2			
Shape		subhedral		anhedral	subhedral			
Habit		thin laths						
Comments								

