		General Information					
Sample Name (IGSN)		EX1605L3-D9-3					
Describer	Kevin Konrad						
Sample Location	Daikoku Seamount						
Lithology prefix							
General Lithology		Hydrothermal Vent Deposi	it				
Texture 1							
Texture 2							
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	ОК				
Whole Rock Present (%)	100	Check [Or = Pr + Rf]	ОК				
Whole Rock Replaced (%)	0	Check [Or = Pr + Rf]	ОК				
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	ОК				
Total Groundmass Present (%)	100	Check [Or = Pr + Rf]	ОК				
Total Groundmass Replaced (%)	0	Check [Or = Pr + Rf]	ОК				
Whole Rock Summary	A britt	e rock with powder white coating. Seems like an alter Contains very coarse pockets of whit	ed plagioclase phyric igneous rock. e minerals.				
Thin Section Summary	Difficult to tell if this is a completely recrystallized basalt or a hydrothermal vent product. Contains a mottled and very fine grained matrix. Within the matrix are fossil phenocryst structures, which are completely recrystallized with barite grains. Void spaces are also coated with spherulitic barite. Opaque Fe-Sulfide grains are common along fractures and sometimes seem to replace previous minerals. I hypothesize (but am likely wrong) that it was a plagioclase phyric basalt that was completely recrystallized under high temperature hydrothermal conditions.						



Whole Rock



Transmitted Light

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [Or]								100	
Present (%) [Pr]								100	
Replaced / Filled (%) [Rf]								0	
Check [Or = Pr + Rf]	ОК	ОК	OK	OK	OK	ОК	ОК	ОК	EX1605L3-D9-3
Minimum Size (mm)									Wagner Petrographic
Maximum Size (mm)									CONTRACTOR STORES
Modal Size (mm)									
Shape									- Alexander Record
Habit									
Zonation Type									
Zonation Extent									
Exsolution Type									CALL STREET STREET STREET
Special Features									and the second at
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Comments									and the second
comments									
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GROUNDMASS [Gp]	OL	PLAG	ОРХ	СРХ	SPINEL	OTHER	GLASS [GI]	MSTASIS [Ms]
Original (%) [Or]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								