General Information				Whole Rock	Transmitted Light
Sample Name (IGSN)	EX1605L3-D7-2				
Describer	Kevin Konrad				
Sample Location	Chamorro				
Lithology prefix					
General Lithology	Hydrothermal Vent Deposit				
Texture 1					
Texture 2					
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK		
Whole Rock Present (%)	100	Check [Or = Pr + Rf]	OK		
Whole Rock Replaced (%)	0	Check [Or = Pr + Rf]	OK		
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK		
Total Groundmass Present (%)	100	Check [Or = Pr + Rf]	OK		
Total Groundmass Replaced (%)	0	Check [Or = Pr + Rf]	OK		
Whole Rock Summary	A funky looking rock, appears to be a aphyric basalt that has been hydrothermally altered. Contains numerous fractures and vesicles (unfilled) throughout. Coloration varies along fractures.				
Thin Section Summary	Not a basalt but a hydrothermal vent deposit. It's composed almost entirely of single spherulitic mineral. I want to say it's barite but it's maximum birefringence seems too low (first order grey). Has excellent 90 degree cleavage and no color/pleochroism. There are some opaque specks throughout the rock, which are likely sulfides. If you are familar with this type of monomineralic rock let me know and I'll update the description.				

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]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)									
Maximum Size (mm)									
Modal Size (mm)									
Shape									
Habit									
Zonation Type									
Zonation Extent									
Exsolution Type									
Special Features									
Comments									

GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								