

General Information			
Sample Name (IGSN)	EX1605L3-D7-1		
Describer	Kevin Konrad		
Sample Location	Chamorro		
Lithology prefix	Plagioclase-Amphibole		
General Lithology	Pumice		
Texture 1	vesicular		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	90	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	10	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 large pumice cobble with some elongated vesicles. Sample is very fine grained to glass rich. Some black phenocrysts are found throughout (amphibole or biotite?). Rim of the sample is black, likely a thin Mn-coating.		
Thin Section Summary	A glassy pumice with plagioclase and amphibole phenocrysts. Contains cescles throughout that range from unfilled to coated to infilled with some fine clay like secondary mineral. Some coarse spinel grains are found. The plagioclase grains have common sector zoning and the amphibole occasional contain spinel inclusions.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]		5			2	5	25	63
Present (%) [Pr]		5			2	5	20	63
Replaced / Filled (%) [Rf]		0			0	0	5	0
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.2			0.1	0.1	0.1	
Maximum Size (mm)		0.6			0.2	0.4	1	
Modal Size (mm)		0.4			0.2	0.3	0.5	
Shape		subhedral			subhedral	sub-euhedral	subrounded	
Habit								
Zonation Type		Sector,Albite						
Zonation Extent								
Exsolution Type								
Special Features								
Comments						Amphibole grains	Mostly unfilled but some contain partial filling with what appears to be sediment (clay and misc. grains).	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
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								
Comments							Hard to tell if altered, all appears black and clean.	