

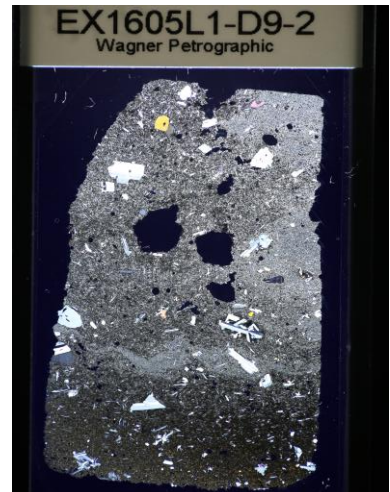


General Information				Whole Rock	Transmitted Light
Sample Name (IGSN)	EX1605L1-D9-2				
Describer	Kevin Konrad				
Sample Location	Unnamed Lava Flows				
Lithology prefix	Plagioclase				
General Lithology	Basalt				
Texture 1	Glass				
Texture 2					
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 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 (%)	70	Check [Or = Pr + Rf]	OK		
Total Groundmass Replaced (%)	30	Check [Or = Pr + Rf]	OK		
Whole Rock Summary	A glass coated basalt with coarse plagioclase phenocrysts and some preserved flow features. Sample contains occasional unfilled vesicles.				
Thin Section Summary	A plagioclase basalt with some olivine phenocrysts. The section shows the gradation from a hydrously altered glassy rim to a somewhat fresh cryptocrystalline core. The phenocrysts are unaltered throughout but the groundmass varies considerably in grain size and alteration throughout. Section contains some large unfilled vesicles. Olivine occasionally contain spinel and plagioclase chadacrysts.				

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [Or]	3	10					20	67	
Present (%) [Pr]	3	10					20	47	
Replaced / Filled (%) [Rf]	0	0					0	20	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)	0.25	0.3					0.1		
Maximum Size (mm)	0.4	0.75					5		
Modal Size (mm)	0.25	0.5					0.3		
Shape	subhedral	sub-euhedral					rounded		
Habit									
Zonation Type		sector, twinning							
Zonation Extent		common							
Exsolution Type									
Special Features									
Comments	Some spinel and plagioclase inclusions/chadacrysts						No visible infill or alteration halos.		



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]							20	80
Present (%) [Pr]							5	50
Replaced / Filled (%) [Rf]							15	30
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments							Hydrously altered with very little fresh glass near rim. Grades into slightly fresh glass	Alteration, grain size, and glass content vary in a non-systematic fashion.