

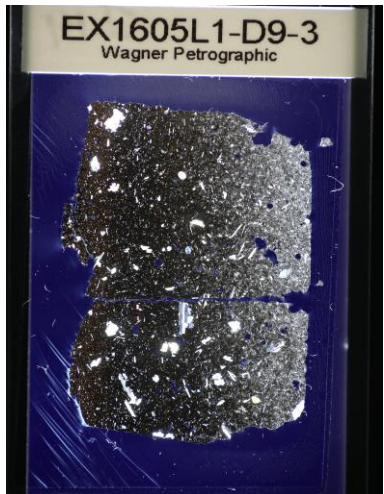


General Information				Whole Rock	Transmitted Light
Sample Name (IGSN)	EX1605L1-D9-3				
Describer	Kevin Konrad				
Sample Location	Unnamed Lava Flows				
Lithology prefix	Plagioclase				
General Lithology	Basalt				
Texture 1	Glass				
Texture 2					
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK		
Whole Rock Present (%)	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 (%)	80	Check [ Or = Pr + Rf ]	OK		
Total Groundmass Replaced (%)	20	Check [ Or = Pr + Rf ]	OK		
Whole Rock Summary	A lovely glass rich basalt in a tube-like structure with plagioclase phenocrysts and a fine grained core. Sample has a few unfilled fractures/vesicles. Very fresh.				
Thin Section Summary	A plagioclase basalt with a dark glassy matrix. The glass contains pockets of hydrous alteration towards the rim of the sample. The matrix grades into a cryptocrystalline core. Sample contains a few olivine microcrysts as well. Spinel inclusions are common in both plagioclase and olivine				

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [ Or ]	2	10					10	78	
Present (%) [ Pr ]	2	10					10	62	
Replaced / Filled (%) [ Rf ]	0	0					0	16	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)	0.1	0.3					0.1		
Maximum Size (mm)	0.25	1.2					0.3		
Modal Size (mm)	0.1	0.5					0.1		
Shape	subhedral	sub-euhedral					rounded		
Habit									
Zonation Type		twinning							
Zonation Extent		common							
Exsolution Type									
Special Features									
Comments	Mostly microcrystic. One larger grain contains spinel inclusions	Might be some minor sector zoning.					Not many vesicles		



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]							80	20
Present (%) [ Pr ]							70	20
Replaced / Filled (%) [ Rf ]							10	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							Varies from hydrous alteration to quite fresh.	Contains plagioclase and clinopyroxene grains. Seems fresh