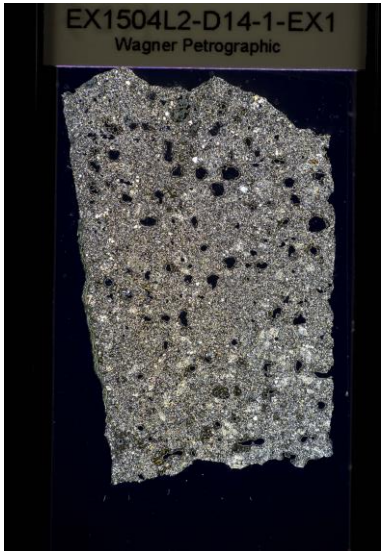
General Information			
Sample Name (IGSN)	EX1504L2-D14-1		
Describer	Kevin Konrad		
Sample Location	North Pioneer Ridge		
Lithology prefix			
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2	Highly Altered		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	20	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	80	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	20	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	80	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A vesicular and fine grained basalt with a few (~2%) iddingsite grains. Some vesicles have a bluish infilling. Sample contains a thin Mn coating.		
Thin Section Summary	A highly altered basalt with plagioclase and clinopyroxene grains that are fairly fresh. Vesicles vary from coating to completely infilled with mixed calcite and clay.		

Whole Rock

Transmitted Light

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]							10	90
Present (%) [Pr]							5	18
Replaced / Filled (%) [Rf]							5	72
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)							0.15	
Maximum Size (mm)							0.25	
Modal Size (mm)							0.25	
Shape							blobular	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments							Infill varies from clay to calcite.	

Cross Polarized



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		10		10				80
Present (%) [Pr]		10		10				0
Replaced / Filled (%) [Rf]		0		0				80
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.02		0.02				
Maximum Size (mm)		0.05		0.05				
Modal Size (mm)		0.03		0.03				
Shape		subhedral		anhedral				
Habit		laths						
Comments								