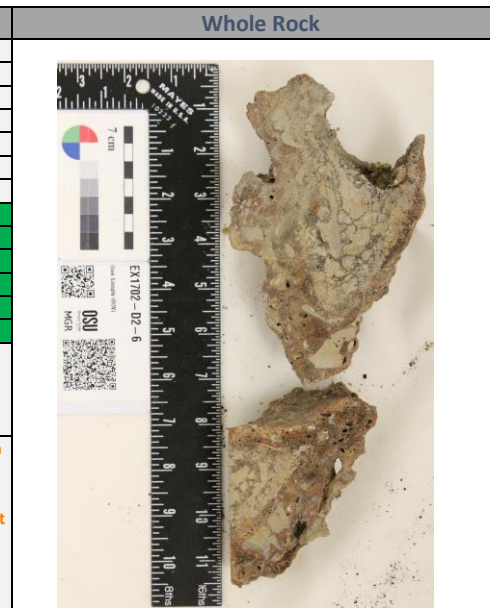
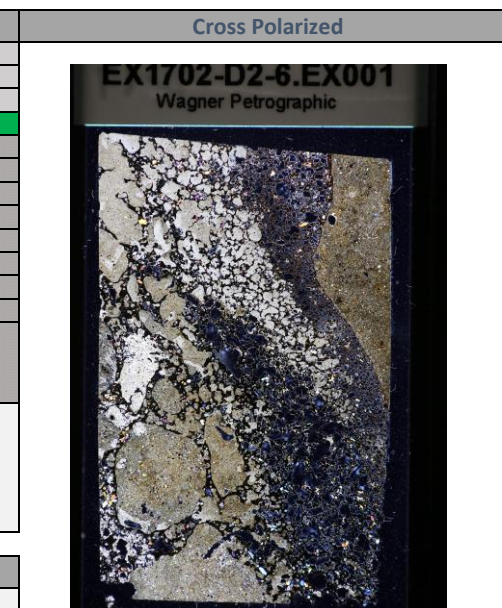


General Information			
Sample Name (IGSN)	EX1702-D2-6		
Describer	Kevin Konrad		
Sample Location	Tau Unit of NMSAS		
Lithology prefix	Olivine-Clinopyroxene		
General Lithology	Basalt		
Texture 1	Volcaniclastic?		
Texture 2	Glassy		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock 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 funky looking basalt, glassy and highly vesicular with zones of fine clay like infill. Doesn't appear to be volcaniclastic but maybe hydrothermally altered? Difficult to tell.		
Thin Section Summary	A likely volcaniclastic rock with inclusions of fine grained olivine-bearing clay mixture intermixed with glass layers. Glass layers range from possibly fresh to Fe-oxide and palagonite recrystallized. Glass sections contain coarse olivine and clinopyroxene phenocrysts. Olivine grains are fresh and show no signs of iddingsite alteration indicating the glass alteration likely occurred upon eruption. The sediment zones contain shards of olivine and pyroxene. Carbonate shells are commonly found within the fine grained portions of the rock. Likely sediment forced into void spaces in the rock during or post eruption. Values below are for the glassy sections of the rock.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	10			10			50	30
Present (%) [Pr]	10			10			10	6
Replaced / Filled (%) [Rf]	0			0			40	24
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.1			0.1			0.2	
Maximum Size (mm)	0.5			0.45			2	
Modal Size (mm)	0.4			0.3			1	
Shape	subhedral			subhedral			rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	Some disequilibrium textures and fractures						The partly filled vesicles have palagonite rims. Others are filled with sediment	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]							100	
Present (%) [Pr]							20	
Replaced / Filled (%) [Rf]							80	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments							Some dark glassy areas may be fresh. Rest has Fe-oxide and palagonite alteration	