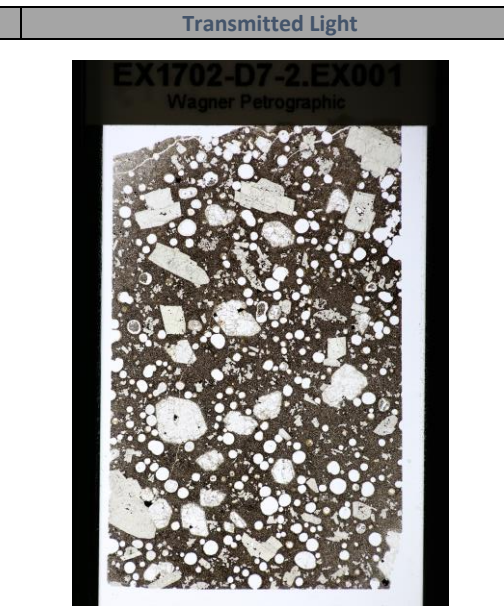
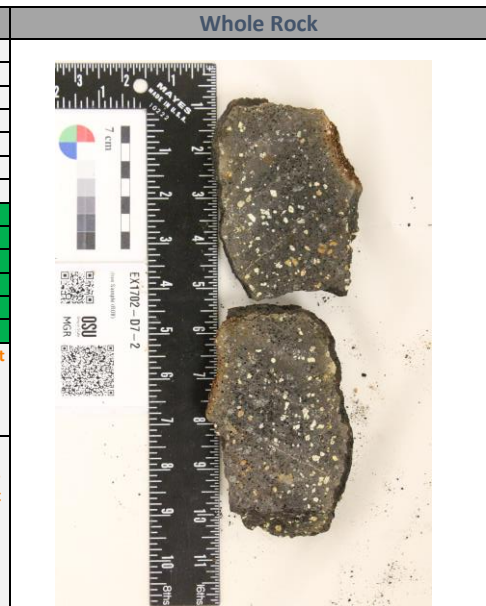
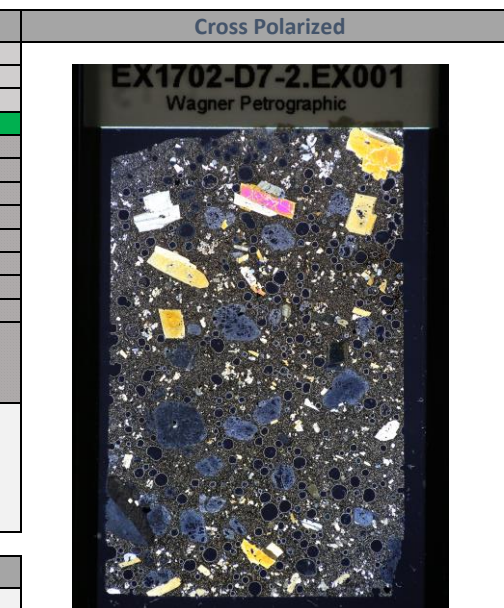


General Information			
Sample Name (IGSN)	EX1702-D7-2		
Describer	Kevin Konrad		
Sample Location	Moki Seamount		
Lithology prefix	Olivine-Clinopyroxene		
General Lithology	Basalt		
Texture 1	Vesicular		
Texture 2	Altered		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	60	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	40	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 basalt with large clinopyroxene phenocrysts and potentially some recrystallized olivine (not iddingsite).		
Thin Section Summary	An ankaramite with coarse clinopyroxene grains (>2.5mm) and coarse but replaced olivine grains. The olivine grains look to have been plucked somehow from the sample and replaced with zeolite infilling. Clinopyroxenes display sector zoning and blueish extinction indicating they're Ti-Augite and the basalt is alkaline. Vesicles are large and rounded and typically unfilled, sealed with a palagonite rim. Groundmass consists of a heavily altered reddish mesostasis with some spinels and clinopyroxene grains remaining.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	20			20			20	40
Present (%) [Pr]	0			18			18	8
Replaced / Filled (%) [Rf]	20			2			2	32
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.5			0.2			0.2	
Maximum Size (mm)	3			3			0.8	
Modal Size (mm)	2			2			0.6	
Shape	anhedral			subhedral			Rounded	
Habit								
Zonation Type				sector				
Zonation Extent				common				
Exsolution Type								
Special Features								
Comments	Completely gone, just crystal structure and zeolite infill remain			Some spinel inclusions present. Blueish extinction. Ti-Augite			Palagonite rims	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]				10	5			85
Present (%) [Pr]				8	5			0
Replaced / Filled (%) [Rf]				2	0			85
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)				0.025	0.02			
Maximum Size (mm)				0.05	0.1			
Modal Size (mm)				0.025	0.05			
Shape				euhedral	subhedral			
Habit								
Comments								Completely altered