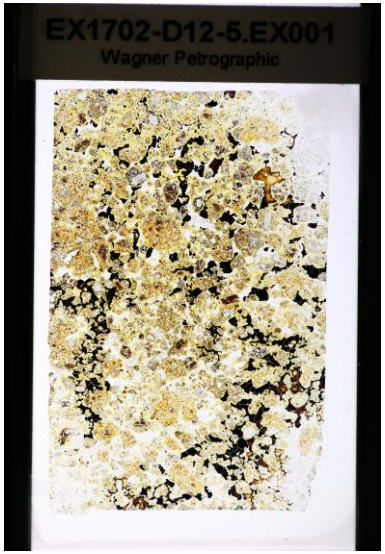
General Information			
Sample Name (IGSN)	EX1702-D12-5		
Describer	Kevin Konrad		
Sample Location	Malulu Seamount		
Lithology prefix			
General Lithology	Hyaloclastite		
Texture 1	Heavily Altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	20	Check [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 (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A altered looking volcaniclastic sample. Contains abundant iddingsite grains and some pyroxene. Possibly some small plagioclase grains. Appears as if Fe-Mn crystallization infills some fractures.		
Thin Section Summary	A heavily altered hyaloclastite with palagonite rimming the individual clasts of basalt. Zeolite and Fe-Mn fills in the fractures between clasts. Clasts appear to contain olivine-clinopyroxene phyric basalts with some olivine grains still preserved (up to 0.75mm). Some clinopyroxene grains have a blueish extinction pattern indicating it was like Ti-Augite and baslt is likely alkaline.		

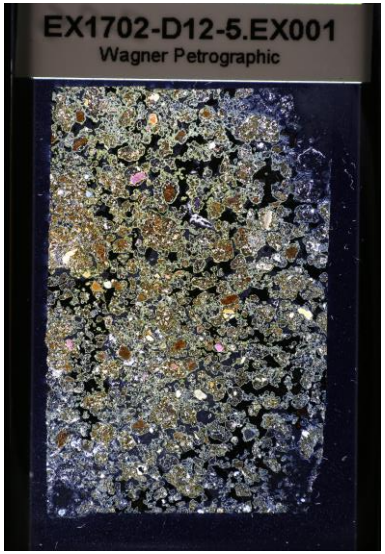
Whole Rock

Transmitted Light



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]								100
Present (%) [Pr]								0
Replaced / Filled (%) [Rf]								100
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments								

Cross Polarized



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