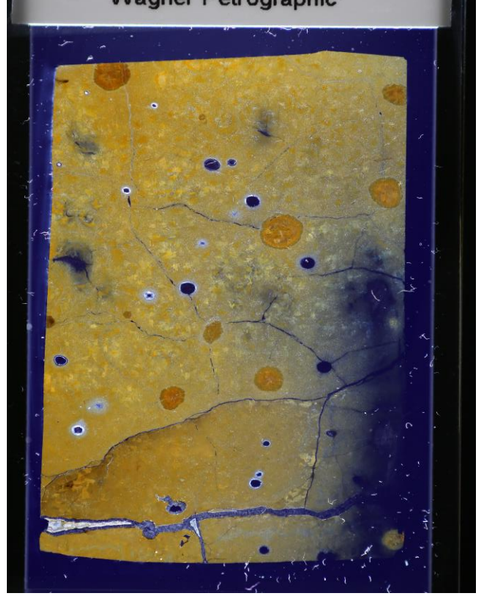
General Information			
Sample Name (IGSN)	EX1703-D16-1		
Describer	Kevin Konrad		
Sample Location	Hadal Trough		
Lithology prefix			
General Lithology	basalt		
Texture 1	Completely Altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	0	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	100	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 tanish rock with black and red patches. Appears to be entirely clay but may have been a basalt at one point. Contains a 0.25-0.5" thick Mn-rind.		
Thin Section Summary	Difficult to tell exactly what this sample is. Appears to be a very fine grained basalt that has been 100% recrystallized. It's a reddish brown rock with rounded vesicles. The vesicles appear to have palagnote rims/infill. Large fractures in the sample have zeolite infill and palagonite rims. A few large, red circular patches of clay are found throughout, possibly degraded iddingsite. Some other distinct clay-like structures are found throughout the section.		

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								