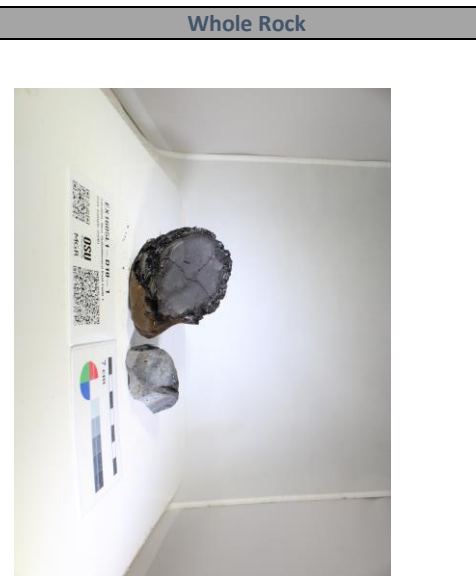
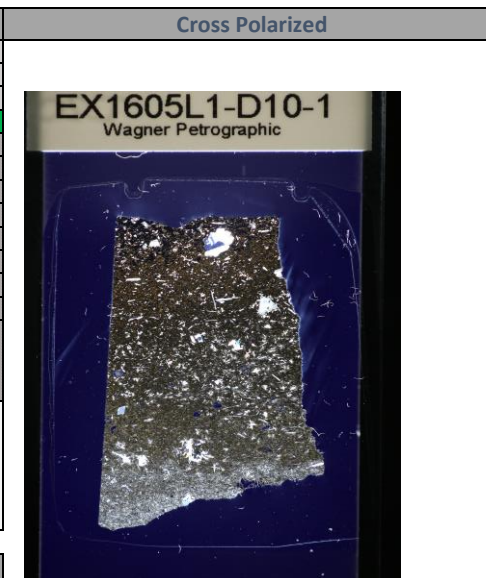


General Information			
Sample Name (IGSN)	EX1605L1-D10-1		
Describer	Kevin Konrad		
Sample Location	New Hydrothermal Vent Field 1		
Lithology prefix	Plagioclase-Olivine		
General Lithology	Basalt		
Texture 1	Glass		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	90	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	10	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	80	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	20	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A lovely glass rich basaltic nodule with some small plagioclase phenocrysts. Sample is mostly fresh with some areas towards the rim slightly more altered.		
Thin Section Summary	A plagioclase and olivine phyric basalt with a glassy rind that coarsens towards a cryptocrystalline interior in the section. The phenocrysts display occasional ophitic textures and both phases contain melt and spinel inclusions. The glass rim contains some hydrous alteration inbetween pockets of fresh material. Hydrous alteration is found throughout, including within the coarser mesostasis.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	5	10					5	80
Present (%) [Pr]	5	10					5	64
Replaced / Filled (%) [Rf]	0	0					0	16
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.1	0.3					0.1	
Maximum Size (mm)	0.25	0.8					0.2	
Modal Size (mm)	0.1	0.4					0.1	
Shape	subhedral	sub-euhedral					rounded	
Habit								
Zonation Type		twinning, sector zoning						
Zonation Extent		common						
Exsolution Type								
Special Features								
Comments	Mostly microcrystic. Spinel inclusions common	Glomerocrysts are common					Nicely round shapes. No infill	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [GI]	MSTASIS [Ms]
Original (%) [Or]							80	20
Present (%) [Pr]							60	10
Replaced / Filled (%) [Rf]							20	10
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments							Hydrous alteration appears reddish in thin section	Consists of reddish clay/hydrous glass alteration and thin plagioclase laths