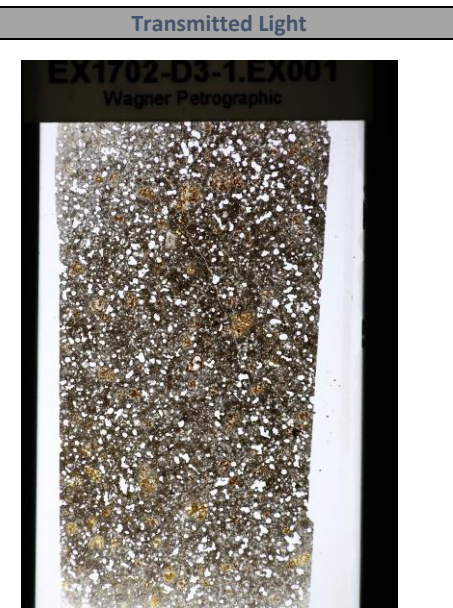


General Information			
Sample Name (IGSN)	EX1702-D3-1		
Describer	Kevin Konrad		
Sample Location	Rose Atoll		
Lithology prefix	Olivine-clinopyroxene		
General Lithology	Basalt		
Texture 1	Highly Altered		
Texture 2	Vesicular		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	10	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	90	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	10	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	90	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A olivine (iddingsite) basalt with a ~0.5 inch Mn rind. Possible regions of altered glass along the rim of the rock. Some clinopyroxene grains. Vesicle infilling seems minor.		
Thin Section Summary	A heavily altered basalt with large iddingsite grains and smaller clinopyroxene grains. Groundmass appears to be altered glass with some small clinopyroxene and plagioclase grains. Vesicles are most unfilled in the thin section with some minor palagonite rims. One olivine grain still has a core that isn't entirely recrystallized.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	15			5			15	65
Present (%) [Pr]	1			4			14	7
Replaced / Filled (%) [Rf]	14			1			1	59
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.2			0.2			0.2	
Maximum Size (mm)	1.25			0.3			0.5	
Modal Size (mm)	1			0.25			0.4	
Shape	anhedral			anhedral			irregular-rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	Nearly 100% iddingsite			Some smaller shards of clinopyroxene			Some minor palagonite rims	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		5		5			90	
Present (%) [Pr]		4		4			0	
Replaced / Filled (%) [Rf]		1		1			90	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.05		0.02				
Maximum Size (mm)		0.1		0.07				
Modal Size (mm)		0.05		0.05				
Shape		elongated						
Habit								
Comments							Reddish altered, maybe mesostasis is more appropriate	