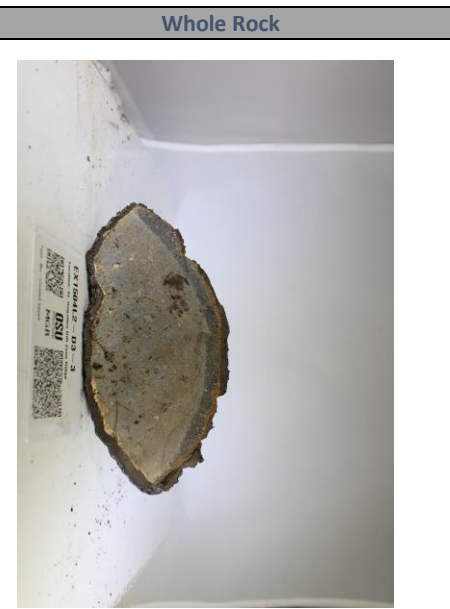


General Information			
Sample Name (IGSN)	EX1504L2-D3-3		
Describer	Kevin Konrad		
Sample Location	St. Rogatien Rift Zone Ridge		
Lithology prefix	Olivine		
General Lithology	Basalt		
Texture 1	Porphyritic		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	80	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	20	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 fine grained basalt with a glassy rim. Thin Mn crust covers the sample. Few recrystallized and partly recrystallized olivine phenocrysts are present. Some large fractures/vesicles.		
Thin Section Summary	A olivine-basalt with a heavily altered glassy groundmass. Some areas contain high concentrations of plagioclase while grains are nearly absent in others. Contains vesicles of various shapes and sizes throughout. The thin section is zoned and becomes glassy towards the top.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	15						35	50
Present (%) [Pr]	12						35	10
Replaced / Filled (%) [Rf]	3						0	40
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.003						0.005	
Maximum Size (mm)	1.5						1.6	
Modal Size (mm)	1						1	
Shape	subhedral						Variable	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	Partly replaced with iddingsite. Some large melt inclusions						Mostly circular vesicles with some elongated, misshapen vesicles	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]	5	30					65	
Present (%) [Pr]	5	30					5	
Replaced / Filled (%) [Rf]	0	0					60	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.001	0.004						
Maximum Size (mm)	0.003	0.008						
Modal Size (mm)	0.002	0.006						
Shape	subhedral	subhedral						
Habit								
Comments		Varies from 10 to 50% of groundmass depending on where you are.					Seems to be altered throughout.	