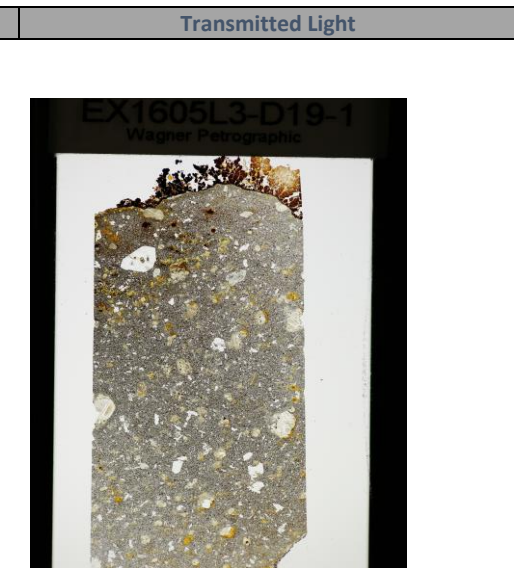
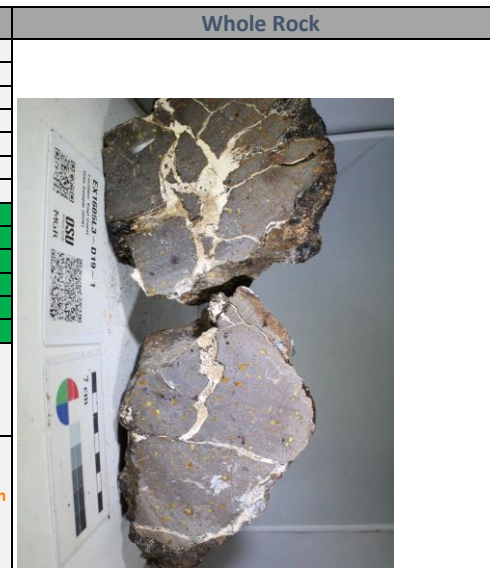
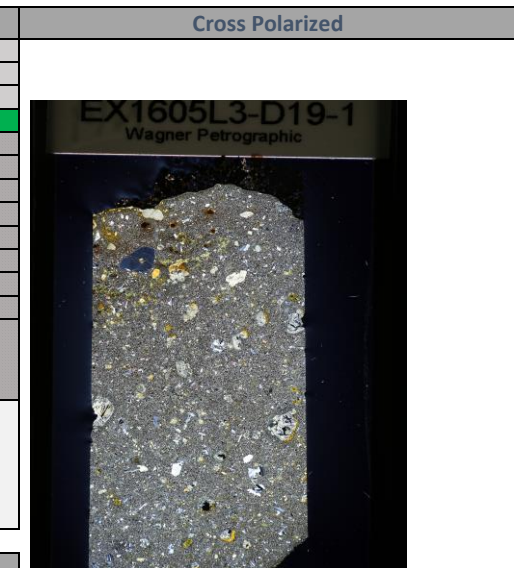


General Information			
Sample Name (IGSN)	EX1605L3-D19-1		
Describer	Kevin Konrad		
Sample Location	Vogt Guyot		
Lithology prefix	Plagioclase-Olivine-Clinopyroxene		
General Lithology	Basalt		
Texture 1	Highly altered		
Texture 2			
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	30	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	70	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 fractured basalt (pillow?) that contains altered olivine phenocrysts. The fractures are infilled with phosphorite. Olivine phenocrysts are recrystallized to a mixture of iddingsite and serpentine. Groundmass is fine grained and likely altered. A potential xenolith exists with pyroxene and olivine grains		
Thin Section Summary	A three phase basalt (plagioclase, cpx, olivine) with the olivine grains completely recrystallized to serpentine or iddingsite. The plagioclase grains are fairly fresh and display albite twinning. The clinopyroxene grains are also in pretty good shape. The groundmass consists of fine plagioclase grains in a variably altered mesostasis.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]	10	15		5				70
Present (%) [Pr]	0	15		5				7
Replaced / Filled (%) [Rf]	10	0		0				63
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.5	0.1		0.25				
Maximum Size (mm)	1.5	1.7		0.35				
Modal Size (mm)	1	0.5		0.3				
Shape	anhedral	subhedral		anhedral				
Habit								
Zonation Type		Albite twins						
Zonation Extent		common						
Exsolution Type								
Special Features								
Comments	Completely recrystallized to iddingsite/serpentine							



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		15						85
Present (%) [Pr]		10						10
Replaced / Filled (%) [Rf]		5						75
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.01						
Maximum Size (mm)		0.02						
Modal Size (mm)								
Shape								
Habit		lath like						
Comments								Seems pervasively altered but difficult to tell.