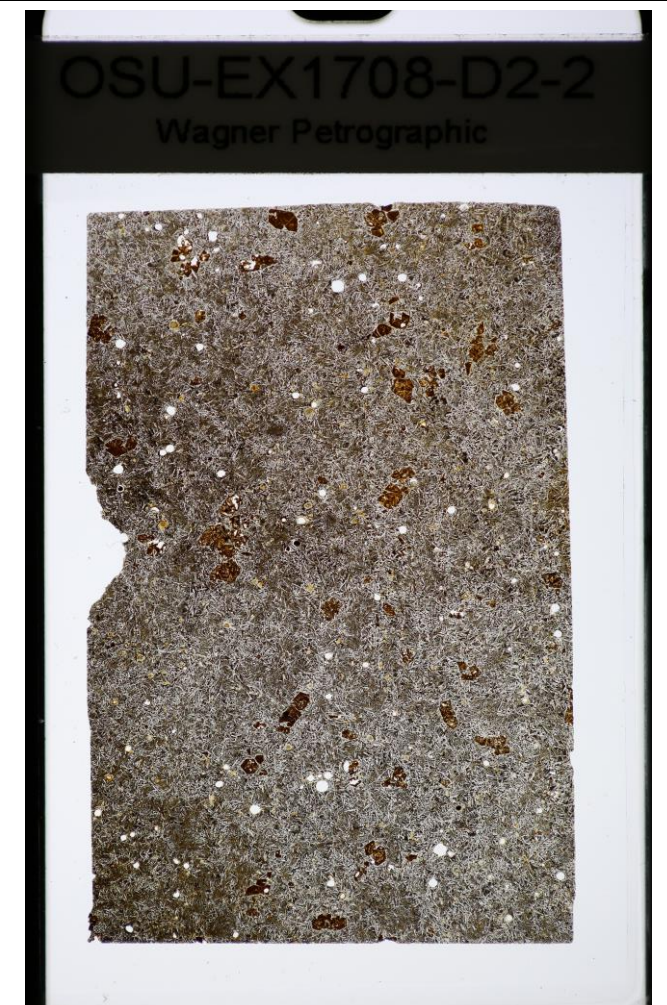
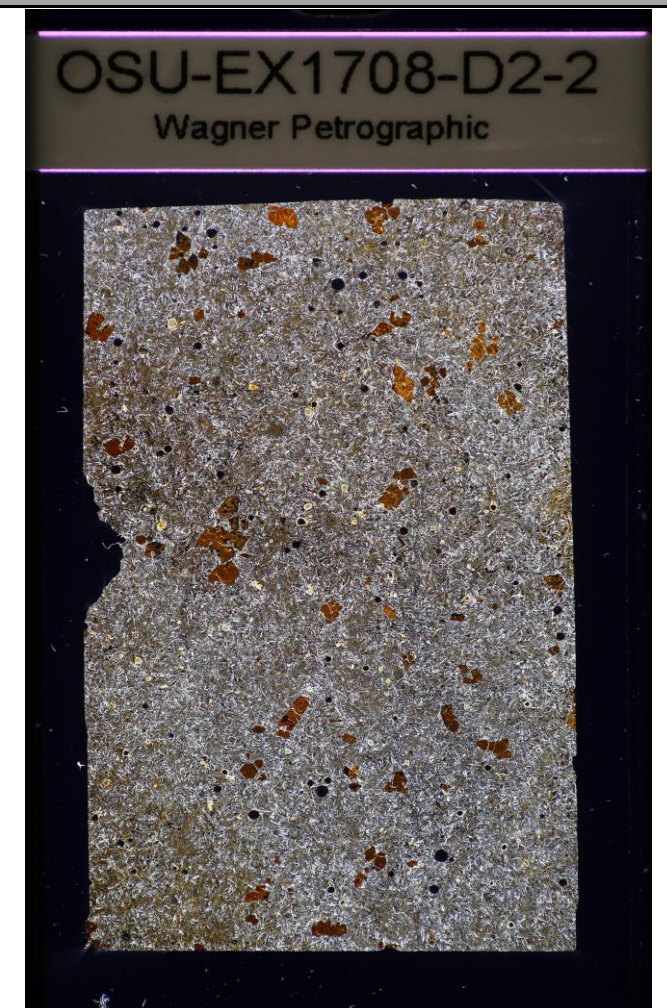


General Information			
Sample Name (IGSN)	EX1708-D2-2		
Describer	Kevin Konrad		
Sample Location	Beach Ridge		
Lithology prefix	olivine		
General Lithology	basalt		
Texture 1	heavily altered		
Texture 2			
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	20	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	80	Check [ Or = Pr + Rf ]	OK
Total Groundmass Original (%)	100	Check [ Gp + Gl + Ms = 100% ]	OK
Total Groundmass Present (%)	40	Check [ Or = Pr + Rf ]	OK
Total Groundmass Replaced (%)	60	Check [ Or = Pr + Rf ]	OK
Whole Rock Summary	<p>A heavily altered olivine-basalt with a thick brown alteration halo. All olivine phenocrysts are recrystallized to iddingsite. Sample is fine grain with the edges likely a glassy-cryptocrystalline texture. A thin 0.5 cm FeMn crust envelopes the sample. A lot of material available.</p>		
Thin Section Summary	<p>A heavily altered olivine basalt with a hypohyaline groundmass. The olivine grains are completely recrystallized to iddingsite. The groundmass consists of plagioclase grains and a heavily Fe-Oxide recrystallized mesostasis. The sample contains rounded vesicles with palagonite rims and occasional infilling.</p>		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]	5						5	
Present (%) [ Pr ]	0						3	
Replaced / Filled (%) [ Rf ]	5						2	
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.4						0.1	
Maximum Size (mm)	1						0.25	
Modal Size (mm)	0.5						0.2	
Shape	Subhedral						rounded	
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments	Recrystallized to iddingsite. Some tiny bits of core remain in a few grains.						Palagonite rimmed. Some contain some non-discernable infill (clay?)	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]	10	40						50
Present (%) [ Pr ]	0	30						0
Replaced / Filled (%) [ Rf ]	10	10						50
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.05	0.1						
Maximum Size (mm)	0.1	0.2						
Modal Size (mm)	0.075	0.15						
Shape	anhedral	subhedral						
Habit								
Comments	Small iddingsite grains	Some recrystallization						Likely was glass rich, now all recrystallized. Fe-oxide heavy