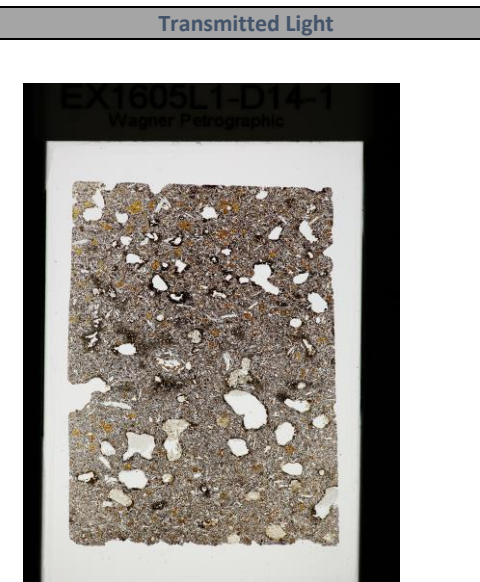
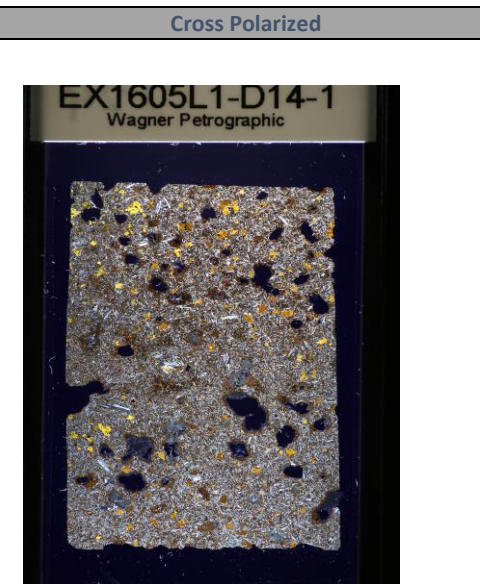


General Information			
Sample Name (IGSN)	EX1605L1-D14-1		
Describer	Kevin Konrad		
Sample Location	Pigafetta Guyot		
Lithology prefix	Olivine-Plagioclase		
General Lithology	Basalt		
Texture 1	Altered		
Texture 2	Vesicular		
Whole Rock Original (%)	100	Check [ Ph + Vs + Gm = 100% ]	OK
Whole Rock Present (%)	50	Check [ Or = Pr + Rf ]	OK
Whole Rock Replaced (%)	50	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	A Mn-crusted basalt with large completely infilled vesicles. Appears fine grained and potentially plagioclase phyrlic. Some potential iddingsite are visible. Thin section taken from area with less vesicles/alteration.		
Thin Section Summary	A olivine (iddingsite) and plagioclase phyrlic basalt with a groundmass consisting of coarse plagioclase grains and a reddish recrystallized mesostasis. Sample contains large vesicles, which are infilled with a spherulitic clay alteration product and contain halos of alteration around them. Some vesicles are partly or entirely unfilled. Cores of the iddingsite grains appear to be partly gutted and possibly serpentinized (second phase of higher temperature hydrous alteration?).		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [ Or ]	15	5					15	65
Present (%) [ Pr ]	0	3					7	26
Replaced / Filled (%) [ Rf ]	15	2					8	39
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.2	0.3					0.2	
Maximum Size (mm)	0.5	0.5					1.5	
Modal Size (mm)	0.4	0.5					0.5	
Shape	anhedral	subhedral					subrounded	
Habit								
Zonation Type		twinned						
Zonation Extent								
Exsolution Type								
Special Features								
Comments	100% recrystallized. Some spinel inclusions	Plagioclase contains some inclusions and disagrated textures					Range from no to complete infill from spherulitic clay like crystals. Most contain a alteration halo	



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [ Or ]	10	60						30
Present (%) [ Pr ]	0	40						0
Replaced / Filled (%) [ Rf ]	10	20						30
Check [ Or = Pr + Rf ]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)	0.01	0.01						
Maximum Size (mm)	0.1	0.1						
Modal Size (mm)	0.06	0.1						
Shape	anhedral	subhedral						
Habit								
Comments	iddingsite	Laths with some disaggregation						Reddish alteration