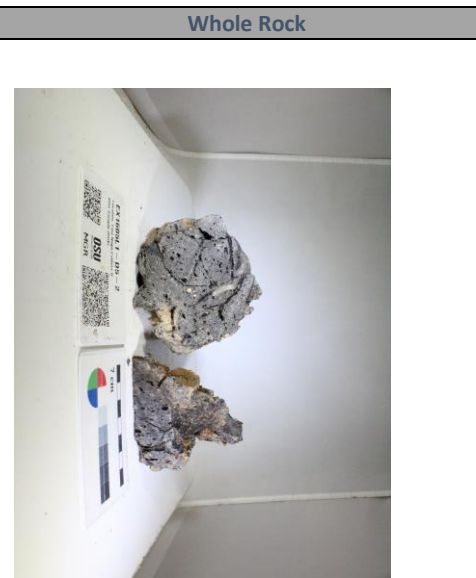
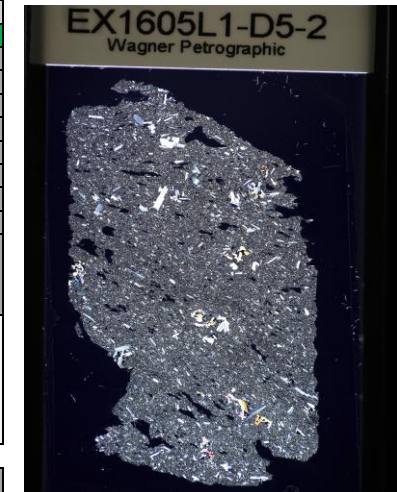


General Information			
Sample Name (IGSN)	EX1605L1-D5-2		
Describer	Kevin Konrad		
Sample Location	Fina Nagu Caldera		
Lithology prefix	plagioclase-clinopyroxene-spinel		
General Lithology	Basalt/andesite		
Texture 1	vesicular		
Texture 2	subtrachytic		
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	OK
Whole Rock Present (%)	100	Check [Or = Pr + Rf]	OK
Whole Rock Replaced (%)	0	Check [Or = Pr + Rf]	OK
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	OK
Total Groundmass Present (%)	100	Check [Or = Pr + Rf]	OK
Total Groundmass Replaced (%)	0	Check [Or = Pr + Rf]	OK
Whole Rock Summary	A fractured plagioclase phyric basalt (likely a pillow basalt). Contains both filled and unfilled vesicles.		
Thin Section Summary	A fresh basalt (or andesite) with glomerocrystic clusters of plagioclase, clinopyroxene and spinel. Grains range up to ~1 mm in diameter. The groundmass consists of plagioclase and pyroxene following a trachytic flow texture. The groundmass matrix appears to be a fresh glassy mesostasis. Sample contains elongated vesicles that follow the direction of the groundmass grains.		



PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [Or]		15		10	3		10	62	
Present (%) [Pr]		15		10	3		10	62	
Replaced / Filled (%) [Rf]		0		0	0		0	0	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK	
Minimum Size (mm)		0.25		0.25	0.25		1		
Maximum Size (mm)		1.2		0.8	0.4		3		
Modal Size (mm)		0.5		0.5	0.3		2		
Shape		euhedral		subhedral	euhedral		elongated		
Habit									
Zonation Type		twinning, sector							
Zonation Extent		pervasive							
Exsolution Type									
Special Features		Display sector zoning		inclined extinction	Range from squares to triangles				
Comments							Most are elongated with rounded edges.		



GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]		20		10	5		65	
Present (%) [Pr]		20		10	5		65	
Replaced / Filled (%) [Rf]		0		0	0		0	
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)		0.01		0.01	0.001			
Maximum Size (mm)		0.03		0.03	0.01			
Modal Size (mm)		0.02		0.02	0.005			
Shape		euhedral		euhedral	euhedral			
Habit								
Comments		Thin, elongated grains			little square specks		Seemingly fresh glass. Could be a very fine grained mesostasis	