		General Information					
Sample Name (IGSN)		EX1605L3-D8-3					
Describer		Kevin Konrad					
Sample Location		Eifuku Seamount					
Lithology prefix		Plagioclase-Clinopyroxene-Spinel					
General Lithology		Basalt/Andesite					
Texture 1		vesicular					
Texture 2							
Whole Rock Original (%)	100	Check [Ph + Vs + Gm = 100%]	ОК				
Whole Rock Present (%)	100	Check [Or = Pr + Rf]	ОК				
Whole Rock Replaced (%)	0	Check [Or = Pr + Rf]	ОК				
Total Groundmass Original (%)	100	Check [Gp + Gl + Ms = 100%]	ОК				
Total Groundmass Present (%)	100	Check [Or = Pr + Rf]	ОК				
Total Groundmass Replaced (%)	0	Check [Or = Pr + Rf]	ОК				
Whole Rock Summary	A fresh, g	lass rich plagioclase and clinopyroxene phyric basalt. unfilled vesicles. Surface of the rock is r	-				
Thin Section Summary	A clinopyroxene, spinel and plagioclase phyric basalt with a fresh but fine grained groundmass. The three phenocrysts are commonly found in glomerocrystic clusters and display ophitic behavoir. Plagioclase grains vary in size consistantly from groundmass (0.01mm) to phenocrysts (up to 1.5mm) and display both sector zoning and albite twinning. Groundmass consists of fine grained plagioclase, cpx and spinel in a glassy matrix. Sample has a few elongated and unfilled vesicles.						





PHENOCRYSTS [Ph]	OL	PLAG	ОРХ	СРХ	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]	Cross Polarized
Original (%) [Or]		25		5	5		10	55	
Present (%) [Pr]		25		5	5		10	55	EX1605L3-D8-3 Wagner Petrographic
Replaced / Filled (%) [Rf]		0		0	0		0	0	Wagner Petrographic
Check [Or = Pr + Rf]	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	tragiler r ea ographic
Minimum Size (mm)		0.25		0.25	0.2		0.1		that we have been
Maximum Size (mm)		1.5		1.4	0.3		3		
Modal Size (mm)		0.5		0.3	0.25		1		a state to be a state of
Shape		subhedral		sub-anhedral	euhedral		elongated		
Habit									and the second
Zonation Type		sector, twinning							A Sector Contraction of the
Zonation Extent		common							
Exsolution Type									
Special Features									
Comments		Cut the		Some microcrysts in	1		Subrounded and		
		phenocrysts		there as well			elongated vesicles		
		abundance off at							
		0.25 mm							

GROUNDMASS [Gp]	OL	PLAG	ОРХ	СРХ	SPINEL	OTHER	GLASS [GI]	MSTASIS [Ms]
Original (%) [Or]		30		10	10			50
Present (%) [Pr]		30		10	10			50
Replaced / Filled (%) [Rf]		0		0	0			0
Check [Or = Pr + Rf]	ОК	ОК	ОК	ОК	ОК	ОК	OK	ОК
Minimum Size (mm)		0.01		0.01	0.01			
Maximum Size (mm)		0.25		0.25	0.02			
Modal Size (mm)		0.01		0.01	0.01			
Shape		lath like						
Habit								
Comments								Likely glass