General Information

Sample Name (IGSN)	EX1806-D2-6
Describer	Kevin Konrad
Sample Location	Gulf of Mexico - Blake Ridge
Lithology prefix	
General Lithology	Granite
Texture 1	Fine-grained
Texture 2	Oxidized

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 (%)	0	Check [Or = Pr + Rf]		OK
Total Groundmass Replaced (%)	100	Check [Or = Pr + Rf]		OK
Whole Rock Summary	A reddish, oxidized, dense rock with quartz and feldspar grains. Likely a granite of some sort. No FeMn coating. Grain size varies throughout the rock.			
Thin Section Summary	A non-marine rock (dropstone?) consisting of quartz (~25%), k-feldspar (~50%), plagioclase (~24%), muscovite (~1%), with a hematite rich mesostasis infilling fractures. The grain size varies throughout the rock and ranges from 0.1 to 3 mm diameter. The quartz grains contained undulating extinction patterns indicating some form of deformation. The grains also occasionally display sub-angular to sub-rounded shapes. It is likely a fine grain granite with hematite alteration along fractures given the mineral proportions and deformation evidence. However, the slightly rounded grain features infer it may be a metamorphosed sandstone.			

Whole Rock

Transmitted Light

PHENOCRYSTS [Ph]

PHENOCRYSTS [Ph]	OL	PLAG	OPX	CPX	SPINEL	OTHER	VESICLES [Vs]	GRNDM [Gm]
Original (%) [Or]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Zonation Type								
Zonation Extent								
Exsolution Type								
Special Features								
Comments								

GROUNDMASS [Gp]

GROUNDMASS [Gp]	OL	PLAG	OPX	CPX	SPINEL	OTHER	GLASS [Gl]	MSTASIS [Ms]
Original (%) [Or]								
Present (%) [Pr]								
Replaced / Filled (%) [Rf]								
Check [Or = Pr + Rf]	OK	OK	OK	OK	OK	OK	OK	OK
Minimum Size (mm)								
Maximum Size (mm)								
Modal Size (mm)								
Shape								
Habit								
Comments								

Cross Polarized