EXPL

NOAA Office of Ocean Exploration Quick Look Report Expedition Title: _Operation Deep-Scope 2005: _____

Results (please check all disciplines in which this cruise collected data)	Details (please describe any novel discoveries in the discipline, answers such as "possible, awaiting data analysis" and "no apparent discoveries" are acceptable)
Bathymetric Mapping □ Yes xNo	
New Species Discovered xYes No	Possible new species of deep-sea squid, or verification of new species discovered on Deep-Scope 2004, with Eye in the Sea Camera
Bio-prospecting □ Yes xNo	
Habitat Range Extended xYes □ No	Possible extension of range of deep-sea squid discovered on Deep-Scope 2004
Chemical Processes	
Geologic Processes Yes xNo	
Physical Processes Yes xNo	
Sub/ROV/AUV Dives xYes □ No	Johnson-Sea-Link Submersible
New Technology xYes □ No	New techniques for recovering deep-sea benthic species with intact photoreceptors; CLAM on Eye-in-the-Sea
Maritime Cultural Heritage □ Yes xNo	
Outreach xYes □ No	OE signature expedition, with daily updates on OE webpage and ask a scientist forum; HBO I @sea webpage with daily updates; participation in Deep-Scope 2005 expedition professional development workshop
Students Involved x Yes □ No	Graduate students Erika Heine and Karen Breitlow
Multidisciplinary xYes □ No	Underwater imaging; fluorescence studies; polarization studies; visual ecology studies; non-obtrusive observations of behavioral interactions of deep-sea mobile predators with Eye-in-the-Sea camera
Exploration of New Regions □ Yes x No	

* Biological processes was left out of the check-off sheet. We are all biologists, so the majority of our discoveries were biological in nature. 1) previously unknown fluorescence of deep-sea species; 2) schooling behavior in deep-sea sharks 3) camouflage in deep-sea species not apparently as effective as in shallow water species; 4) UV photosensitivity in deep-sea crab