



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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
New Species Discovered Yes <input checked="" type="checkbox"/> No	This may be yes – Edie and her group are in the process of analyzing the footage from the eye in the sea camera
Bio-prospecting <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Habitat Range Extended <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The large new species of squid seen on last year's cruise in the north end of the Gulf was seen again 200 miles further south off the SW Florida Shelf, at the lithoherm site
Chemical Processes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Geologic Processes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Physical Processes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Sub/ROV/AUV Dives <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Deep-sea crabs with intact photoreceptors were collected for the first time, leading to the remarkable discovery that one of the species, found at 1800 ft. has an ultraviolet visual pigment in addition to the more common blue one
New Technology <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	New collecting methods for bringing up deep-sea crabs with intact photoreceptors - BioBoxes
Maritime Cultural Heritage <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Outreach <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Essays were written every days for the OE and HBOI @sea web pages, making our discoveries available to the general public
Students Involved <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Students had access to the "ask a scientist" link on the OE web page, and received answers within 24 hours of their query
Multidisciplinary <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensory biology, optics, fluorescence imaging, polarization imaging, bioluminescence, low light imaging
Exploration of New Regions <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	