serial #90029

CRUISE REPORT

SHIP: R/V Asterias

CRUISE: Asterias 90-8-13

PARENT PROJECT: OBS Development (9470-30100)

AREA: Buzzards Bay

DATE: 13 August, 1990

PORT: Woods Hole, MA

PERSONNEL: Deborah Hutchinson, Chief Scientist, USGS
Greg Miller, USGS
Marinna Martini, USGS
Beecher Wooding, WHOI
Ken Peal, WHOI
Dave Olmstead, Captain, WHOI

PURPOSE: A qualitative test of overall instrument performance of the USGS OBS and WHOI OBH, including mechanical and electronic components (i.e., full instrument deployment and recovery; recording of small shots at different azimuths and distances).

NAVIGATION: Northstar 800 LORAN C aboard the Asterias

SCIENTIFIC EQUIPMENT: USGS OBS C4 and anchor
USGS Benthos Release Equipment
WHOI OBH 1 and anchor
WHOI EG&G Release Equipment
WHOI Satellite Clock
WHOI Shooting Box

STATISTICS:
Days at Sea: .17 (4 hours)
OBS Stations occuppied: 1
Shots fired: 12 x 6-in primacord/electrical cap
1 x electrical cap only

OBS/OBH LOCATIONS:

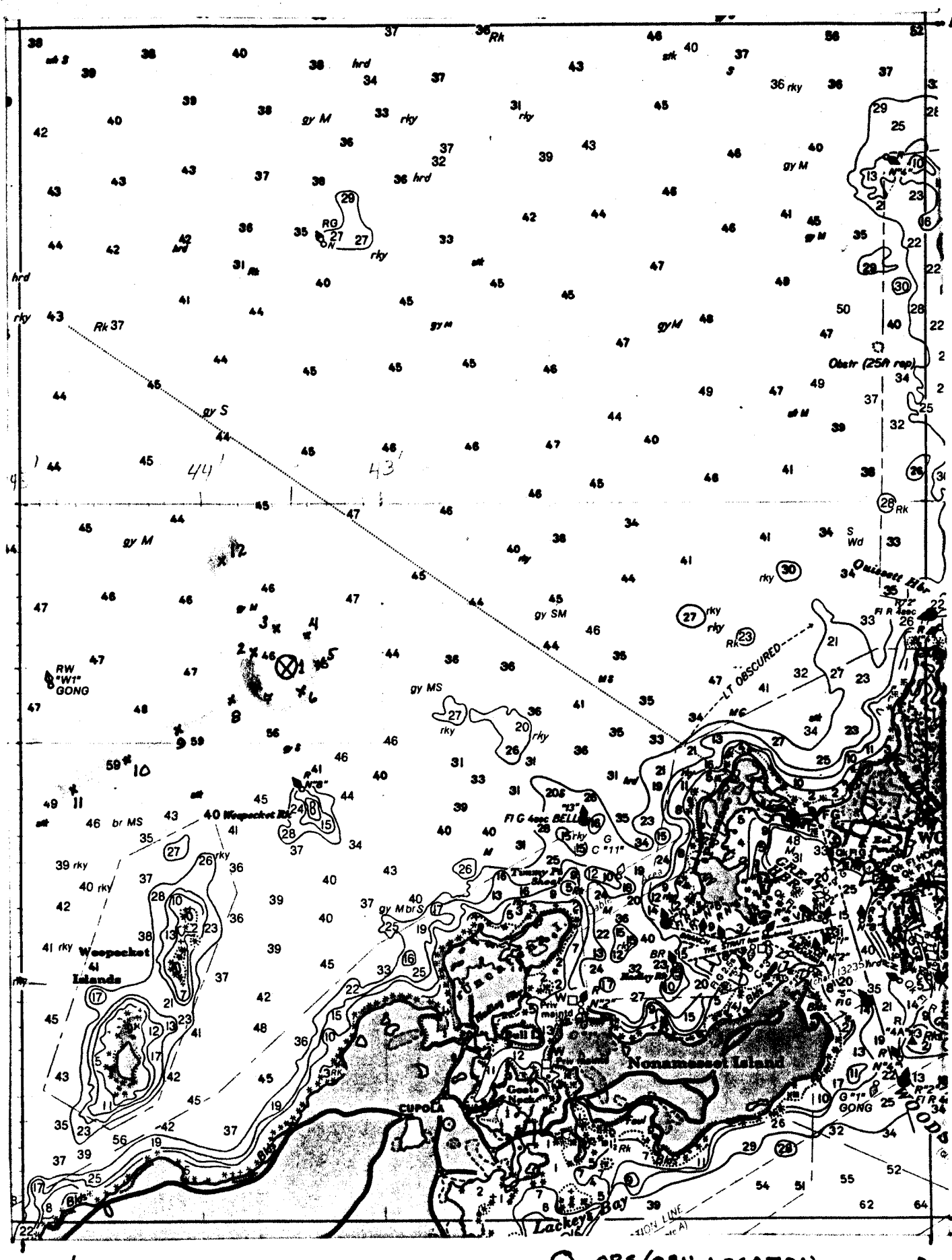
OBH deployment: 11:07 EDT 41°32.33'N 70°43.51'W WD: 48' (14.6 m)

OBS deployment: 11:13 EDT 41°32.33'N 70°43.52'W WD: 49' (14.9 m)

Note: OBH/OBS separation estimated at 64 m.

SHOT INFORMATION:

Shot 1	16:09:30 GMT	41°32.32'N	70°43.53'W	above instruments
Shot 2	16:13:00 GMT	41°32.37'N	70°43.70'W	
Shot 3	16:16:00 GMT	41°32.50'N	70°43.56'W	
Shot 4	16:19:00 GMT	41°32.44'N	70°43.37'W	
Shot 5	16:22:00 GMT	41°32.33'N	70°43.31'W	
Shot 6	16:26:00 GMT	41°32.22'N	70°43.43'W	
Shot 7	16:30:00 GMT	41°32.24'N	70°43.67'W	
Shot 8	16:34:00 GMT	41°32.19'N	70°43.83'W	
Shot 9	16:40:00 GMT	41°32.06'N	70°44.10'W	
Shot 10	16:45:00 GMT	41°31.91'N	70°44.38'W	
Shot 11	16:51:00 GMT	41°31.82'N	70°44.81'W	
Shot 12	17:01:00 GMT	41°32.76'N	70°43.87'W	
Cap:	17:08:00 GMT	41°32.32'N	70°43.50'W	above instruments



ASTERIAS 90-9-13

○ OBS/OBH LOCATION

x6 SHOT LOCATION/NO.