

HOT-20: Chief Scientist Report

Chief Scientist: D. KARL

HOT-20 Cruise Report

R/V Moana Wave

13-17 Sep. 1990

Personnel List:

Dave Karl	UH
Steve Chiswell	UH
Eric Firing	UH
Vernon Asper	U. So. Miss
Gary Austin	U. So. Miss
James Christian	UH
Steve Emerson	UW
Christina Fair	Scripps
Dale Hebel	UH
Ricardo Letelier	UH
Ed Parnell	UH
Stewart Reid	UH
Jef Snyder	UH
Maria Vernet	Scripps

Cruise Schedule:

7 Sep., 1200: cruise organization/information meeting

12 Sep., 0800: begin loading all gear - Marc Rosen will coordinate the movement of the van and the loading of all seagear, as usual (even though he will not be participating in the cruise)

13 Sep., 0800: ETD Snug Harbor. Please plan to be aboard no later than 0730.

13-17 Sep.: standard HOT and related work at station Kahe and ALOHA.

17 Sep., 2000: ETA Snug Harbor

18 Sep., 0800: offload equipment (Marc will coordinate)

Narrative:

HOT-20 departed Snug Harbor aboard the R/V Moana Wave at 0800 on 13 September 1990. Kahe Point was visited en route to Station ALOHA, and XBTs were dropped after leaving the Kahe Point Station.

Upon arrival at Station ALOHA the time-series sediment trap array was deployed. In addition, an experimental sediment trap array was deployed for scientists at the University of Southern Mississippi.

The hydrowire parted on the first cast at Station ALOHA and the CTD was lost. The science party returned to Snug Harbor immediately to collect grappling gear with which to recover the array. After returning to Station ALOHA, both the time-series' and USM traps were recovered.

The CTD was eventually recovered using grappling gear and HOT-20 returned to Snug Harbor at approximately 2200 on 17 September. Other than the sediment trap data and the downcast data from WOCE deep cast, no data were collected at Station ALOHA on HOT-20.