

## **CRUISE REPORT**

**Cruise Number:** MF-9609  
**FOCI Number:** FOCI 9610  
**NOAA Ship:** Miller Freeman  
**Area of Operations:** Bering Sea

**Itinerary:** Departed Dutch Harbor, May, 17, 1996  
(Ports and dates) Arrived Dutch Harbor, May 22, 1996

**Participating Organizations:** NOAA PMEL, AFSC

**Chief Scientist:** William Parker  
**Affiliation:** PMEL

<b>Personnel:</b>	<b>Affiliation:</b>
William Parker	PMEL
Carol Dewitt	PMEL
Dan Dougherty	PMEL
Bill Rugan	AFSC
Lisa Britt	AFSC

### **Objectives of Cruise:**

Deploy two FOCI and two CRAB moorings. Recover two CRAB moorings. Biological sampling at FOCI surface moorings.

### **Summary of Operations:**

Miller Freeman departed Dutch Harbor for the mooring location of F-96BS-6 on 17 May. F-96BS-6 mooring was deployed in 1008 meters after a detailed bottom survey. Two Seimac drifters (7167 and 7233) were deployed at the mooring site and a CTD taken. Mooring F-96BS-7 was deployed (with CTD) the next morning 29 miles NW of F-96BS-6. Upon completion of F-96BS-7 we moved to surface mooring F-96BSM-3 and F-96BSM-2 to conduct fisheries sampling.

After completing fisheries operations at moorings F-96BSM-3 and F-96BSM-2 the Freeman continued on to service the CRAB moorings. Attempts to release the CRAB-2 mooring was unsuccessful due to a mooring release malfunction. The Miller Freeman moved 26 miles to CRAB-1 location and recovered the mooring without complications. Mooring KC96-1 was then deployed at this location with a CTD taken. Returning to the CRAB-2 mooring site the Miller Freeman laid out a 1000 meters of line with hooks to drag for the mooring. The mooring was recovered on the first attempt. All the mooring parts were recovered including the anchor and mooring KC96-2 was deployed with CTD taken.

The ship continued on to Unimak Pass and completed two sets of four CTDs in the pass.

Two live net tows were also taken in 470 meters of water during the transit to Dutch Harbor.

CID casts: 1/  
Net tows: 16  
ARGOS Drifters deployed: 2  
Bongos: 3  
Mooring deployments: 4  
Mooring recoveries : 2

**Acknowledgements:**

We would thank the C.O. John Clary and the officers and crew of the Miller Freeman for their cooperation and assistance in meeting and surpassing the cruise objectives. Special thanks to the Field Operations Officer Dan Cheng and Chief Survey Tech Bill Floering and CB Rick Pietrusiak for their help and assistance.

gmdate,gmtime,dlat,mLAT,dlong,mLongitude,station,haul,altsta,gearabrv,botdpth (m)

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