

LA05
Trip Report Sir Wilfred Laurier
July 2005
05-BSP-8A 05-BS-8A

Mooring equipment for 05-BSP-8A and 05-BS-8A was transported by truck and loaded aboard the Canadian Ice Breaker Sir Wilfred Laurier in Victoria B.C. The ship sailed from Victoria on July 2nd, I met the ship in Kodiak on July 8th. This PMEL mooring cruise was a piggyback on Jackie Grebmeier's annual Univ. of Tennessee arctic cruise. On 15 July CTD #27 was completed at mooring site 04-STL-1B, south of St. Lawrence Island in the Bering Sea. Following the CTD cast, mooring 04-STL-1B was recovered from an 80 meter depth Sept. 2004 deployment. The Laurier then traveled east to locate a water depth closer to 72 meters but still in the primary sampling area identified by Jackie Grebmeier. Mooring 05-BS-8A was deployed at approx. 1500 GMT on 15 July in 75 meters of water. Two nitrate meters were scheduled for this mooring but none were available for deployment. A meter of chain replaced each of these two instruments that were not deployed. With this noted exception the mooring was deployed as directed on the PMEL drawing. A few minutes after 05-BS-8A was deployed mooring 05-BSP-8A was deployed approximately one quarter of a mile away. Mooring 05-BSP-8A was deployed exactly as it appears in the PMEL drawing, also in a depth of 75 meters. CTD #28 followed the deployment of these two moorings and concluded the mooring operations for this cruise.

Late on July 15th I was dropped off at the village of Gambell on St. Lawrence island. On July 16th I flew to Nome. July 17th I flew to Kodiak and boarded the NOAA ship Fairweather for a FOCI cruise.

Summary of Activities:

CTD #27 at 04-STL-1B 1326 GMT 15 July 62 degrees 11.474 N 174 degrees 51.742 W. Bottom depth 79 meters. CTD to 73 meters depth.

Mooring 04-STL-1B recovered at 1412 GMT, 15 July at position 62 degrees 11.656 N 174 degrees 51.32 W.

Mooring 05-BS-1A was deployed at 1516 GMT on July 15th at position 62 degrees 11.649 N and 174 degrees 40.178 W at a depth of 75 meters.

Mooring 05-BSP-1A was deployed at 1529 GMT, 15 July 2005 at position 62 degrees 11.7175 N and 174 degrees 39.5883 W in 75 meters of water.

CTD #28 at 05-BS-1A was completed at 1526 GMT, 15 July at position 62 degrees 11.687 N and 174 degrees 39.856 W. Bottom depth is 75 meters, CTD to 68 meters.

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