INSTITUTE OF MARINE SCIENCE
UNIVERSITY OF ALASKA FAIRBANKS

SHIP BRIDGE LOG

VESSEL *ALPHA HELIX*

CRUISE NUMBER 197 DATE July 13, 1997 SUN TIME ZONE +8 FROM SEWARD TO Gulf of Alaska

LOCAL TIME	SHIP'S POSITION		TRUE COURSE	NAV SYS.	DEPTH	REMARKS	OCEANOGRAPHIC STATION DATA																DEPART. TIME
	LATITUDE N.	LONGITUDE W.					STA. NO.	STATION NAME	SEA STATE WAVE DIR.	SEA STATE HT. MTR.	SEA STATE PER SEC.	WEATHER INFORMATION WIND DIR.	WIND VEL.	BAROM. MBS.	AIR TEMP. DRY °C	AIR TEMP. WET °C	WEATHER	CLOUDS TYP.	CLOUDS AMT.	VIS. N.M		
1655	58°27.53'	153°21.29'		G.PS	180	VAN VEEN		ZIR6	170°	.8		210°	13	1009	12.2							
1710	58°27.47'	153°21.27'		GPS	180	CTD Rosette	36	ZIR6	170°	.8		210°	12	1009	12.3							1720
1726	58°27.45'	153°21.28'		GPS	180	CAMERA		ZIR6	170°	.6		200°	13	1009	12.4							1737
1745						ON WATCH UAF																
1751	58°27.66	153°23.24		GPS	192	CTD	37	ZIF1	220	.7		220	14	1009	12.2		1					
1811	58°27.72	153°23.26		GPS	192	~~CTD~~ VAN VEEN		ZIF1	220	1		220	14	1009	12.3		1					
1829	58°27.68	153°23.23		GPS	192	VAN VEEN		ZIF1	220	1		220	12	1009	12.4		1					
1847	58°27.74	153°23.19		GPS	192	CAMERA		ZIF1	220	1		220	9	1009	12.4							
1918	58°27.72	153°23.21		GPS	192	BOX CORE MK.3		ZIF1	220	1		220	9	1009	12.4		1					
2025	58°27.78	153°23.35		GPS	192	GRAVITY CORE		ZIF1	215	1		215	8	1009	12.6		1					
2045	58°27.72	153°23.27		GPS	192	GRAVITY CORE		ZIF1	215	1		215	7	1009	12.6		1					
2108	58°27.80	153°23.35		GPS	192	GRAVITY CORE		ZIF1	215	1		215	8	1009	12.6		1					
2121	58°27.55	153°26.39		GPS	115	VAN VEEN		ZIR10	220	.8		220	9	1009	12.4		1					
——	58°——	153°——		GPS	156	CAST ABORTED DUE TO HARD BOTTOM		ZIR10	220	.8		220	10	1009	12.4		1					
2223	58°30.16	153°26.55		GPS	156	VAN VEEN		ZIR15	220	.8		220	9	1009	12.4		1					
2236	58°30.19	153°26.88		GPS	156	VAN VEEN		ZIR15	220	.8		220	12	1009	12.3		1					
2248	58°30.17	153°26.61		GPS	156	VAN VEEN		ZIR15	220	.8		220	11	1009	12.3		1					
2301	58°30.19	153°26.63		GPS	156	VAN VEEN		ZIR15	220	.8		220	10	1009	12.4		1					
2314	58°30.20	153°26.71		GPS	156	VAN VEEN		ZIR15	220	.8		220	9	1010	12.3		1					
2326	58°30.20	153°26.82		GPS	155	VAN VEEN		ZIR15	220	.8		220	9	1010	12.4		1					
2338	58°30.17	153°26.82		GPS	155	VAN VEEN		ZIR15	220	.8		220	9	1010	12.4		1					

REMARKS

Bill Rath MASTER