

**INSTITUTE OF MARINE SCIENCE
UNIVERSITY OF ALASKA FAIRBANKS**

VESEL *ALPHA HELIX*

197
CRUISE NUMBER

DATE July 09, 1997 WFD.

TIME ZONE + 83

FROM

SEWARD

Gulf of Alaska

OCEANOGRAPHIC										STATION				DATA					
LOCAL TIME	SHIP'S POSITION		TRUE COURSE	NAV SYS	DEPTH	REMARKS	STA. NO.	STATION NAME	SEA STATE			WEATHER INFORMATION				DEPART. TIME			
	LATITUDE N.	LONGITUDE W.							WAVE DIR.	HT. MTR.	PER SEC.	WIND DIR.	WIND VEL.	BAROM. HRS.	WEATHER		DRY °C	WET °C	CLOUDS TYP.
0946	58° 06.00	153° 41.11		GPS	200	VAN VEEN "WAKE"		Z2R18	240	18		240	20	1008	10.4	1			
1036	58° 06.05	153° 41.16		GPS	200	VAN VEEN		Z2R18	230	2		230	22	1008	10.7	1			
1108	58° 06.03	153° 41.24		GPS	198	VAN VEEN		Z2R18	230	2		230	20	1008	10.8	1			
1142	58° 06.16	153° 41.50		GPS	198	Box CASE MC3		Z2R18	230	2		230	20	1008	10.7	1			
1145	WATCH TO MATE GILMARTIN.					on watch TG.													
1321	58° 06.08	153° 41.80		GPS	198	CAMERA on bottom		Z2R18	230	1.5			20	1008	11.4				
1510	58° 05.76	154° 01.67		GPS	216	VAN VEEN		Z2R7	230	1		230	18	1008	11.3	1			
1527	58° 05.74	154° 01.72		GPS	215	CTD Rosette	02	Z2R7	230	1		230	17	1008	11.3	1			1539
1545	58° 05.77	154° 01.58		GPS	215	CAMERA on bottom		Z2R7	230	1.5			230	15	1008	11.4	1		1609
1644	58° 00.40	154° 01.32		GPS	203	VAN VEEN		Z2R8	230	1.5			230	18	1007	11.8	1		1657
1701	58° 00.42	154° 01.43		GPS	203	CTD Rosette	03	Z2R8	230	1.5			230	17	1007	11.9	1		1712
1720	58° 00.55	154° 00.85		GPS	203	CAMERA on bottom		Z2R8	230	1.5			230	15	1007	11.9			
1745	WATCH TO Captain Nole TO					on watch LR													
1946	57° 49.22	154° 26.75		GPS	218	VAN VEEN		Z2R3	235	1			235	16	1007	12.4	1		
1956	57° 49.22	154° 26.77		GPS	218	CTD	04	Z2R3	235	1			235	17	1007	12.3	1		
2024	57° 49.07	154° 26.81		GPS	218	VAN VEEN		Z2R3	235	1			235	17	1007	12.3	1		
2045	57° 49.14	154° 26.74		GPS	218	CAMERA		Z2R3	235	1			235	16	1008	12.1	1		
2125	57° 46.41	154° 26.59		GPS	212	VAN VEEN		Z2R11	240	1			240	15	1008	11.9	1		
2136	57° 46.40	154° 26.60		GPS	212	CTD	05	Z2R11	240	1			240	14	1008	11.9	1		
2158	57° 46.37	154° 26.60		GPS	212	CAMERA		Z2R11	240	1			240	12	1008	11.9	1		
2244	57° 46.43	154° 31.86		GPS	220	VAN VEEN		Z2R10	230	1			230	13	1008	11.9	1		
REMARKS																			