

CRUISE NUMBER 197
DATE June 16 1997 Wed
TIME ZONE + 8
FROM Seward
TO Gravel AK

July 19/1977

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.	VEL.	BAROM. HRS.	AIR TEMP. DRY °C		WET °C	WEATHER	CLOUDS TYP.
0008	59° 31.56'	151° 41.80'		GPS	99	VAN VEEN		ZOF2	Cal	-		Var	2	1018	13.2				0012
0022	59° 31.63'	151° 41.89'		GPS	94	VAN VEEN		ZOF2	Cal	-		Var	2	1018	13.1				
0035	59° 31.49'	151° 41.79'		GPS	102	CTD Rosette	57	ZOF2	Cal	-		Var	2	1018	13.1				0042
0045	59° 31.47'	151° 41.88'		GPS	104	CAMERA		ZOF2	Cal	-		Var	1	1018	13.1				0053
0125	59° 34.21'	151° 38.03'		GPS	80	CTD Rosette	58	ZOF13	Cal	-		090°	5	1019	13.4				
0136	59° 34.34'	151° 38.06'		GPS	78	VAN VEEN		ZOF13	Cal	-		090°	6	1019	13.4				0140
0148	59° 34.36'	151° 38.23'		GPS	75	VAN VEEN		ZOF13	Cal	-		090°	5	1019	13.2				0153
0155	59° 34.41'	151° 38.32'		GPS	75	CAMERA		ZOF13	Cal	-		090°	6	1019	13.2				0205
0212	59° 34.32'	151° 38.28'		GPS	75	VAN VEEN		ZOF13	Cal	-		090°	8	1019	13.1				0217
0241	59° 33.63'	151° 31.93'		GPS	125	VAN VEEN		ZOF14	Cal	-		Var	Var	1019	12.3				0247
0255	59° 33.63'	151° 31.94'		GPS	125	VAN VEEN		ZOF14	Cal	-		060°	3	1019	12.2				
0308	59° 33.58'	151° 31.79'		GPS	127	VAN VEEN		ZOF14	Cal	-		060°	5	1019	12.1				0315
0321	59° 33.57'	151° 32.07'		GPS	127	CTD Rosette	59	ZOF14	Cal	-		060°	4	1019	12.2°				
0332	59° 33.59'	151° 31.87'		GPS	128	CAMERA		ZOF14	Cal	-		060°	6	1019	12.0				
0429	59° 36.26'	151° 20.11'		GPS	76	CAMERA		ZOF1	Cal	-		055°	5	1019	11.9				0441
0443	59° 36.22'	151° 20.25'		GPS	77	CTD Rosette	60	ZOF1	Cal	-		055°	2	1019	12.0				0448
0500	59° 36.30'	151° 20.12'		GPS	75	VAN VEEN		ZOF1	Cal	-		055°	5	1019	12.0				
0512	59° 36.24'	151° 20.18'		GPS	75	VAN VEEN		ZOF1	Cal	-		055°	7	1019	11.9				0517
0526	59° 36.39'	151° 20.03'		GPS	75	Box Core		ZOF1	Cal	-		055°	5	1019	11.9				0530
0545	S					ON HATCH, WLR													
0615	59° 35.60	151° 23.90		GIS	82	VAN VEEN						030	8	1018	11.7		1		
REMARKS																			

Bill Pond

MASTER