104980

COASTAL AND MARINE SCIENCE AT THE WOODS HOLE FIELD CENTER (WHFC)

384 Woods Hole Rd., Quissett Campus, Woods Hole, MA 02543-1598

97007nav

TWICHELL CORLISS SW WASHINGTON
CRLS 97007
AUGUST 25-SEPTEMBER 19, 1997
NAVIGATION LOG

NAVIGATION LOG

CRLS 97007

SHIP AND CRUISE: CORLISS 97007

AREA: SW Washington

DATES: 25 Aug - 19 Sept, 1997

CHIEF SCIENTIST: Dave Twichell

[illegible] Swath [illegible] 100kHz

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970927	239	1759Z	–	–	–				DOCKSIDE WESTPORT
		1350							O/W
	239	2004	TEST	46°56.107	-124° 0.770				Start recording BOOMER
		2014							Fish in Water – Test
		2020							SHUT DOWN [illegible]
		2033							Start digital Log – Boomer
		2035		56.748	0.010				
		2041	Test1.dat	56.52	0.295				Start recording Side Scan
		2042		~~55.451~~	~~6.72~~				Reset Side Scan
		2147	Test5	46°55.457	-124° 6.72				E1
		2222							END DAY 1
970928	240	1545	LIF1	46°55.357	-124° 13.174				Start Survey
		1555		56.396	13.171				
		1603							Make quick turn – cross crab pot line
		1605		57.340	13.117				
		1615		58.238	13.1				quick turns Avoid pots
		1616							back on line

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
970928	240	1626	1	46° 59.236	-124° 13.061	~345°	mag.		
		1637		47 0.235	13.052				
		1652		47° 1.617	12.985				
		1720		47° 03.83	124° 12.91				NAV Crashed After Power supply failed
				~~Position when NAV Crashed~~					
		1731		47 4.85	124° 12.837				Nav online
		1752		6.36	12.815				
		1756		47° 6.67	124° 12.95				at WP#2 online
		1805		7.26	13.248				
		1815		7.99	13.60				
		1832		9.232	14.32				
		1847							End Survey - Pull IN Equipt.
		1858							End NAV file

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
29 AUG 97	241	1425 Z							AT DOCK
		1511							START NAV DISK 3
8/22/97	241	1607	1	47° 3.37	-124° 12.95				Start Survey
		1614	1	" 3.94	" 12.92				
		1624	1	4.76	12.87				
		1630	1	5.29	12.85				
		1640	1	6.11	12.81				
		1646	1	6.59	12.90				
		1655	1	7.27	13.25				
		1710	1	8.51	13.90				Curt & DAVE argue about multiples
		1725	1	9.79	14.58				
		1738	1	10.82	15.13				
		1748	1	11.61	15.54				
		1757	1	12.33	15.97				
		1815	1	13.88	16.75				
		1827	1	14.83	17.25				
		1839	1	15.85	17.80				
		1851	1	16.85	18.38				

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	S. SCAN Disk#	Comments
97-08-29	241	1918	1	47° 18.50	-124° 19.21			4	
		1924	1	19.77	19.87				
		~~1938~~		~~20.32~~	~~20.34~~				
		1930							EOL 1, turn to 180° heading
		1938	2	20.32	20.34				begin LINE 2
		1948	2	19.70	20.10				
		1950	2	18.92	20.02				drop fish down to 12m
		2000	2						
		2010	2	18.40	19.45				
		2021	2	17.6	19.36				
		2028	2	17.08	19.44				
		2035	2	16.53	19.36				
		2058	3	15.24	18.31				
		2108	3	15.04	16.87				
		2115	3	14.96	16.14				
		2123	3	14.08	15.14				Swerve to miss pot
		2139	4	13.81	14.58	145°			
		2156	4	12.59	14.51	145°			

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97-08-29	241	2215	4	47°11.25	124°13.51	145°			
		2243	5	11.18	14.45	90°			
		2253	5	11.31	15.49				
		2306	5	11.47	16.81				
		2314	5	11.53	17.68				
		2330	5	11.75	19.49				
		2348	5	11.98	21.36				
		6010							End Survey End Day
		0005		11.216	21.278				
	~~242~~								
97-08-30	242	1540	7					5	Start recording on Side Scan
		1549	7						Shut down all systems for electric tree haul
		1643	7	47°08.07	124°16.32				Seismic & Side Scan recording
		1656	7						Pull in fish - water shallows
		1659	7	7.95	14.81				
		1706	7	7.84	14.11				

Not sure About this must ~~double check~~ Barry's NAV is indicating 241, Not 242

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97/08/30	240 2	1725	8	47° 07.32	124° 12.78			5	Boomer down
		1733	8	06.85	12.77				
		1740	8	06.40	12.82				
		1749	8	05.81	12.79				
		1800	8	05.08	12.81				
		1810	9	04.63	13.04				
		1824	9	4.76	14.47				
		1838	9	4.9	15.87				
		1852	9	5.04	17.33				
		1904	9	5.16	18.46				
		1920	10	4.7	19.08				
		1930	10	4.11	19.17				
		1940	10	3.52	19.28				
		2010	11	2.03	18.78				
		2042	11	1.61	15.03				
		2114	11	1.35	12.02				
		2129	10	0.60	11.65				

9c

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97-08-30	242	2145	12	46° 59.42	-124 11.97				
		2204		46° 57.89	12.42			NAV End Disk 5	
		2210						END	SURVEY
97-08-31	243	1522	13	46° 55.24	-124° 12.86				Started survey ~1516
		1528		46° 54.88	-124° 12:51				
				46° 54.13	-124° 11.92				
		1548		53.71	11.54				
		1554 →	1557						Nav crashed for 3 min
		1609		53.01	10.94				Many crab pots – trackline sinuous
		1622		46°52.21	124 10.26				
		1633		51.63	9.69				
		1636		51.45	09.58				Line 13 wp # 18
		1648		50.66	9.38				
		1657		50.02	9.19				
		1700		46°49.81	124° 09.14				
		1720		48.36	8.7				NAV was not recording since last crash, GADS!

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97/8/31	243	1730	13	46 47.59	124 08.49	167	4.6	6	
		1751		45.99	08.09				at WP 19 - off Willapa Bay
		1802		45.17	8.56				
		1834		42.77	9.95				at WP 20
		1900		40.71	8.62				
		1908		40.18	8.54				
		1931		38.46	7.54				
		2000		36.31	6.34				
		2018		46° ~~46~~ 34.93	124 05.6				at WP 21
		2034		33.69	5.62				
		2042		32.28	5.55				
		2100	13	31.39	05.61				
		2129		28.64	5.56				
		2207		25.65	5.54				Lost NAV for a few minutes - back online
		2233		23.51	5.60				
		2253		21.96	5.54				
		2317		20.33	5.50				
97/8/31	243	2329	13	19.47	5.52				at WP 22

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97-8-31	243	2339	13	46 18.95	-124° 6.10				
		2352		46° 18.18	-124° 6.89				
		0015		16.78	8.41				
		0027		16.08	9.31				
97/9/1	244	0036	13	15.49	10.03				EOL 13
									End Survey
97/9/1	244	1717	14	46°17.62	-124° 9.56			7	[redacted] LINE 14 on Nav
	244	1730	14	16.96	8.85			7	disk 7
		1749		15.93	7.55				
		1860		15.22	6.73				
		1830		13.70	04.99				
		1842		12.98	4.14				
		1900		11.92	02.90				
		2045		4.81	123 57.78				
		2055		4.09	123 57.65				
		2105		3.35	57.49				
		2140		0.75	56.95				

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97-9-1	244	2155	14	45° 59.7	-123 57.08			7	
		2215		58.5	58.43				
		2234		57.32	59.52				
		2245	14-15	56.70	00.25			7	EOL 14- SOL 15
		2300	15	57.76	0.69				
		2318		59.13	1.32				
		2330		46° 0.06	1.90				
		2341		46° 0.99	2.38				
		2355		46° 02.04	124° 02.99				Start point for Sept 2
97/9/2	245	1617	16	46° 16.4	124° 10.7			8	Start Line 16
		1638		15.80	10.38				
		1653		15.43	9.97				
		1714		14.46	9.71				
		1730	16	13.60	09.28	160	3.6		
		1749		12.36	8.64				
		1803		11.39	08.08	161	4.3		
		1824		9.99	7.53				
		1832		46°09.41	124° 07.24				

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97/9/2	245	1900 Z	16	46° 07.43	124° 06.22	160	4.4	8	
		1931		46° 05.09	05.06				
		1947		3.93	4.48				
		2000		02.98	03.98				
		2020		1.51	3.24				
		~~2030~~ 2027	35						lost nav
		2031		46° 00.60	124° 02.79				Nav on again
		2040	16	46° 00.06	124° 02.35				EOL 16 SOL 17
		2101	17	59.99	00.05			8	
		2112	17-18	00.02	123 58.95				EOL 17 SOL 18
		2130		46° 01.10	123° 59.54				
		2200	18	02.73	124 00.38			8	
		2222		4.02	124 1.01				
		2230		4.54	1.27				
		2300		46° 06.76	124° 02.40				
		2330		09.02	03.51				
97/9/3	246	0000		46° 11.16	124° 04.57			8	EOL 18
97/9/3	246	1616	19	46° 03.00	123° 57.46	270	4.5	9	SOL 19

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97/9/3	246	1630	19	46° 03.0	123° 58.97	270	4.9	9	
		~~1700~~		~~46° 3.0~~	~~-124° 2.08~~				
		1700		46° 3.0	-124 2.08				
		1733		3.0	5.47				
		1800		3.0	8.2				
	246	1827	19	46° 02.99	124° 11.02			9	EOL 19 - SOL 20
		1902	20	5.49	11.0				
		1908	21	6.0	11.0				
		2000	21	46° 06.00	124° 05.33			9	
		2030	21	06.01	124° 01.99				
		2054						9	End Nav disk 9
		2057	21					10	Start nav disk 10 - getting fish nav.
		2100		05.99	123 58.58				
	246	2112	22	06.05	57.16				EOL 21 - SOL 22
		2130		07.02	57.84				
	246	2159	22/23	46 08.95	123 58.65	270	4.6	10	EOL 22 - SOL 23
		2230	23	8.98	1.95				
		2300	23	46. 09.00	124 05.4				

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97/09/03	246	2330Z	23	46° 09.03	124° 08.79	270	4.6	10	
		0001		08.96	11.84				
		0030		09.04	14.88			10	
97/09/04	247	1455	–					11	depart dock
		1525	24					11	start logging Nav.
		1600	24	46° 12.48	124° 03.57			11	
		1631		12.52	07.06				
		1704		12.50	11.24				
		1730		12.50	14.50				
		1800	24	12.50	18.65			11	
		1830	25	12.5	22.07				EOL 24, SOL 25
	247	1900		46° 14.88	124° 21.97				
		1906		15.53	21.98				EOL 25, SOL 26
		1932	26	15.53	20.20				
		2003	26	15.48	17.43				
		2032	26	15.5	14.69				
		2130		15.5	08.09				

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97/9/5	248	1621	27	46° 08.08	124° 15.05	340	4.1	12?	SOL 27
		~~1700~~ 1655						12	check to make sure on disk 12
	248	1700		46° 11.9	124° 15.8				
		~~1700~~ 1705						12	Reboot Nav
	248	1730		46° 13.43	124 16.53				
	248	1800	27	16.55	17.39				
		1830		19.29	18.09				
		1905		21.73	18.76				
		1932		23.9	19.3				
		1939		24.5	19.3				EO227 - SOL28
	248	2000		24.49	16.99				Sidescan in water
		2030	28	46° 24.49	124° 13.58	090	4.7	12	
		2100		24.4	09.9				
		21~~24~~09		46° 24.493	124 08.766				caught crab pot
		2130		24.45	06.86				
	249	1455							Depart dock
		1700		46° 36.70	124° 07.95				

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
	249	1730	29	46° 36.68	124° 11.15	270	3.7	13	
		1805		36.69	14.77				
		1828		36.69	17.09				EOL 29
97/09/6	249	1900	30	33.89	16.38	155	4.8	13	
		1930		31.22	15.67				
		2000		28.61	15.02				
	249	2030	30	25.80	14.30				
		2100		23.09	13.66				
		2130	30	20.40	12.88	167			
	249	2200		17.86	12.28	167	5.3	13	
		2230		15.20	11.58				
		2237		14.53	11.39				EOL 30
97/09/07	250	1533	31	18.52	124 05.13	270	3.5	14	SOL 31
		1600		46° 18.49	124 07.85				
		1701		18.50	14.12				
		1730		18.51	16.97				
	250	1758	32	18.80	19.94	360	4.2	14	EOL 31 - SOL 32

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
9/7/97	250	1832		46° 20.86	-124° 19.98				21
		1912	33	21.5	16.90				
		1940		21.48	13.12				
		2000	33	46° 21.50	124° 10.81				
		2056		21.52	5.49				
		2058	33	46° 21.49	124° 4.50				EOL 33
97/9/8	251							15	
	251	1630	34	46° 30.61	124° 06.50	270	4.7	15	
		1700		30.56	09.99				
		1735		30.6	13.7				
		1805		30.6	16.9				
		1835		30.6	20.49				
	251	1840	34-35	30.6	20.99		5	15	EOL 34 - SOL 35
		1900		28.8	21.0				
		1914	35-36	46° 27.5	124° 21.0	090	4.8	15	EOL 35 · SOL 36
		1932		27.5	18.9				
		2000		27.5	15.4				

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
		2030		46° 27.5	124° 11.8				
		2102	36	27.5	07.8	090	5.1	15	
		2132		27.5	124 04.2				
97/9/9	252	1650	37			270	4.8	16	
		1655							NAV [illegible]
		1658							ON LINE
		1700		46° 33.6	124° 05.6				
		1736		33.6	10.2				
		1800		33.58	13.26				
	252	1834	37	33.6	17.0	270	4.9	16	
		1900		33.6	19.5				
		1928		33.6	22.5				EOL 37 -50238
		2004		30.79	21.5				
		2030		28.73	20.9				
		2100		26.45	20.15				
		2130		46° 24.1	124° 19.4				

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
9/10/97	253	1454						17	START DSR
			39						
		1539	39	46° 16.96	124° 08.58	351	4.5	17	SOL 39
		1615		19.7	09.1				
		1631	39	21.0	09.4				
		1700		23.3	09.9				
		1730		25.7	10.4				
97/9/10	253	1802	39	28.5	11.1	351	5.3	17	
		1900		33.4	12.2				
		1931		36.1	12.7				
		2000		38.4	13.3				
		2030		41.0	13.9				
		2100		46° 43.4	124° 14.4	351	4.6	17	
		2130		45.8	14.9				
		2200	39	48.4	15.5	351	5.5	17	
		2230		50.8	16.0				
		2300		53.6	16.7				
		2330		56.6	17.3				
		2350							EOL 39

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97/9/11	254	1600	40	46° 51.9	124° 07.6	174°	4.3	18	SOL 40
		1642		49.0	06.8				EOL 40 SOL 41
97/9/12	255	1700	41	46° 49.0	124° 08.6	270	4.9		
		1735		48.99	12.0				
		1800		49.0	14.9				
		1830		49.0	18.5				
		1900		49.0	21.9				
		1930		49.0	25.1				
		1937	41/42	49.0	25.8				EOL 41 SOL 42
		2016		52.1	124° 25.9				EOL 42 SOL 43
		2032		52.0	23.9				
		2100		52.0	20.6				
		2130		52.0	17.7				
		2200		52.0	14.8				
		2240		52.0	10.3				
		2300		52.0	124° 07.8				EOL 43

YrMoDy	JulDy	Time+Zone	Line#	Latitude N	Longitude W	Course	Speed	Disk#	Comments
97/9/13	256	1604	44	46° 54.3	124° 10.0	073	4.1	19	// to jetty
		1617	44/45	46 54.2	124 08.9				
		1638	45	52.6	08.2				
		1700		50.7	07.8				
		1732		47.8	07.2				
	256	1752	45/46	46.0	06.8				EOL 45 - SOL 46
		1837	46	46.0	12.6				
		1900		46.0	15.4				
		1958	46/47	46° 46.0	124° 23.5	348	5.6	19	EOL 46, SOL 47
		2030		48.~~74~~	24.3				
		2102		51.5	25.1	349	5.1		
		2130		53.8	25.7				
		2200		56.3	26.6				
		2220		46 58.0	124 27.1				