

## KILO MOANA POSITION AND EVENT LOG

CRUISE KM08-14ZD +10

C-MOILE

DATE	ZT	LAT N	LON W	EVENT
07/30/08	1400	21° 13.5 N	157° 51.2 W	
	1500	21° 12.4 N	157° 39.7 W	
	1700	21-31.6 N	157-32.5 W	
	1726	21-36.7 N	157-32.5 W	FAD close aboard
	1800	21° 43.4 N	157° 32.3 W	
		21 55.5 N	157 31.7 W	
	2000	22 07.5	157 31.1	
	2100	22 19.1	157 30.5	
	2200	22 30.0	157 30.0	
	2220	22 29.9	157 30.0	CTD in the water
	2300	22 29.9	157 30.0	#LE 0252 CTD ↑ LE <sup>+</sup> CMB
7/31/08	0000	22 29.9 N	157 30.0 W	
	0010	"	"	CTD SIC2 ↓
	0043	"	"	CTD SIC2 ↑
	0100	22 29.8 N	157 30.0 W	
	0124	"	"	CTD SIC3 ↓
	0200	22 29.8 N	157 30.0 W	
	0208	"	"	CTD SIC3 ↑
	0300	22 29.8 N	157 30.0 W	
	0356	22 29.8 N	157 30.0 W	CTD SIC4 ↓
	0440	"	"	" ABD
	0500	"	"	
	0528	"	"	CTD SIC5 ↓
	0600	"	"	CTD ABD
	0700	22 30.0 N	157 30.0 W	
	0718	"	"	CTD SIC5 ↓
	0744	"	"	" ABD
	0800	22 30.0	157 30.0	

## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08-14  
C-MOREZD +10(W)

DATE	ZT	LAT N	LOE W	EVENT
7/31/08	0824	22° 30.0	157° 30.0	CTD SICT in the water
	0851	22 30.0	157 30.0	CTD SICT on deck
	1000	22 40.4	157 37.1	
	1100	22 50.3	157 43.8	
	1200	22° 55.2N	157° 45.3W	
	<del>1200</del> 1220	"	"	SEA GLIDER ↑
	1240	"	"	U/W to STATION #2
	1300	22° 55.1N	157° 41.9W	
	1400	22° 50.2N	157° 30.9W	
	1500	22° 45.4	157° 19.8W	
	1600	22 40.8 <sup>N</sup>	157° 08.8 <sup>W</sup>	
	1700	22-35.4N	156-57.8W	
	1808	22 30.1	156 45.5 <sup>W</sup>	
	1900	22 23.5 <sup>N</sup>	156 40.9 <sup>W</sup>	
	2000	22 12.0	156 40.4	
	2100	22° 17.5	156° 34.2	
	2200	22° 23.6	156° 41.2	
	2244	22 23.9	156 40.1	CTD in the water S2C1
	2300	22 23.9	156 40.1	
	2329	22 23.9	156 40.1	CTD on deck
8/1/08	0000	22° 24.0 N	156° 40.0 W	
	0040	"	"	CTD S2C2 ↓
	0100	22° 23.9N	156° 40.0W	
	0108	"	"	CTD S2C2 ↑
	0200	22° 23.9N	156° 40.0W	
	0231	"	"	CTD S2C3 ↓
	0300	22 23.9N	156 40.0W	
	0304	"	"	CTD S2C3 ↑
	0400	22 23.9 <sup>N</sup>	156 40.1 <sup>W</sup>	



**KILO MOANA POSITION AND EVENT LOG**  
 CRUISE KM 08-04 KOLBER
ZD +10

DATE	ZT	LAT N	LON W	EVENT
8/01/08	0447	22 23 9 <sup>N</sup>	156° 40 1 <sup>W</sup>	CTD S2 C4 ↓
	0520	"	"	
	0520	22 23 9 <sup>N</sup>	156 40 1 <sup>W</sup>	CTD S2 C4 ABD
	0600	22 23 0 <sup>N</sup>	156 41 0 <sup>W</sup>	
	0626	22 24 0 <sup>N</sup>	156 40 0 <sup>W</sup>	CTD S2 C5 ↓
	0700	22 24 0 <sup>N</sup>	156 40 0 <sup>W</sup>	
	0705	22 24 0 <sup>N</sup>	156 40 0 <sup>W</sup>	CTD S2 C5 ABD
	0719	22-24.0N	156-39.9W	Nitrogen/6ds array ↓
	0745	22 24.0	156 39.9	Gas Array deployed
	0800	22 24.1	156 39.8	
	0814	22 24.1	156 39.8	Net tow
	0839	22 24.2	156 39.6	Completed net tow.
	0914	22-24.5N	156-39.0W	S10 array ↓
	1000	22 24.7	156 38.5	
	1009	22-24.8N	156-38.4W	sed trap ↓
	1100	22 25.1	156 37.4	
	1111	22 25.1	156 37.2	CTD S2C6 in the water
	1152	"	"	CTD S2C6 ↑
	1200	22 25.1 N	156 37.1 W	
	1300	22 20.7N	156 25.4W	
	1342	22 20.0N	156 25.0W	NET TOW DOWN ON BLOOM
	1353	22 20.0N	156 25.1W	NET TOW ↑
	1400	22 20.0N	156 25.2W	
	1409	22 20.1N	156 25.3W	NET TOW ↓
	1436	22 20.3N	156 25.5W	NET TOW ↑
	1500	22 19.8N	156 25.2W	
	1507	22 20.0N	156 24.9W	
	1512	22 20.0N	156 24.9W	CTD BICI DOWN ↓
	1600	22 20 0 <sup>N</sup>	156 24 9 <sup>W</sup>	

KILO MOANA POSITION AND EVENT LOG  
CRUISE KM08-14ZD +10

DATE	ZT	LAT	LON	EVENT
8/01/08	1618	22 20.0 <sup>N</sup>	156 24.9 <sup>W</sup>	CTD B1 C1 ABD
	1700	22-20.0 <sup>N</sup>	156-25.0 <sup>W</sup>	
	1741	22 20.0 <sup>N</sup>	156 25.0 <sup>W</sup>	CTD B1 C2 ↓
		"	"	" ABD
	1900	22 18.6 <sup>N</sup>	156 21.3 <sup>W</sup>	
	1957	22 20.0	156 15.0	CTD ↓ S4C1
	2000	22 20.0	156 15.0	
	2101	22 20.0	156 15.0	CTD on deck
	2200	22 20.0	156 15.0	CTD ↓ S4C2
	2236	22 20.0	156 15.0	CTD on deck
	2300	22 20.0	156 15.0	
8/2/08	0000	22° 19.9	156° 15.0	CTD S4C3 ↑
	0100	22° 23.4 <sup>N</sup>	156° 06.3 <sup>W</sup>	
	0200	22° 24.0 <sup>N</sup>	156° 17.0 <sup>W</sup>	
	0300	22° 24.0 <sup>N</sup>	156° 29.9 <sup>W</sup>	
	0400	22° 18.3 <sup>N</sup>	156° 40.4 <sup>W</sup>	
	0443	22 16.1 <sup>N</sup>	156 42.3 <sup>W</sup>	CTD S5C1 ↓
	0500	22 16.1 <sup>N</sup>	156 42.3 <sup>W</sup>	
	0511	22 16.1 <sup>N</sup>	156 42.3 <sup>W</sup>	CTD S5C1 ABD
	0500	22 14.8 <sup>N</sup>	156 43.7 <sup>W</sup>	
	0643	22 14.7 <sup>N</sup>	156 43.7 <sup>W</sup>	CTD S5C2 ↓
	0700	22 14.7 <sup>N</sup>	156 43.7 <sup>W</sup>	
	0703	22 14.7 <sup>N</sup>	156 43.7 <sup>W</sup>	CTD S5C2 ABD
	0800	22 14.4	156 44.2	
	0835	22 14.4	156 44.2	CTD S5C3 ↓
	0900	22 14.4	156 44.2	
	0915	22 14.4	156 44.2	CTD on deck
	1000	22 13.5	156 44.9	
	1009	22 13.5	156 44.9	Gas array on deck



## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08-14ZD +10(W)

DATE	ZT	LAT N	LON W	EVENT
8/2/08	1045	22 14.0	156 45.6	Net tow
	1100	22 14.1	156 45.4	
	1200	22 13.6	156 47.9	
	1300	22 12.8 W	156 46.9 W	
	1314	"	"	AC9 ↓
	1325	"	"	AC9 ↑
	1355	22 12.7 W	156 46.9 W	PUMP WINCH ↓
	1400	22 12.7 W	156 46.9 W	
	1500	22 12.7 W	156 46.9 W	
	1506	"	"	PUMP WINCH ↑
	1550	22 12.7 N	156 47.0 W	PUMP WINCH ↓
	1600	"	"	
	1650	"	"	PUMP WINCH ABD
	1800	22 11.9 W	156 50.7 W	
	1822	22 12.0 N	156 50.5 W	SID ARRAY ABD
	1900	22 12.1 N	156 50.5 W	
	2057	22 15.0 N	156 44.7	1 <sup>st</sup> line Sed trap.
	2138	22 14.9	156 44.4	Sed trap on deck
	2149	22 14.9	156 44.4	CTD in the water
	2200	22 14.9	156 44.4	
	2236	22 14.9	156 44.4	CTD on deck
8/3/08	0000	22 26.3 N	156 53.1 W	
	0100	22 35.0 W	156 59.9 W	ON STATION
	0110	"	"	CTD S6C1 ↓
	0200	22 35.0 W	157 00.0 W	
	0204	"	"	CTD S6C1 ↑
	0300	22 41.8 N	157 06.8 W	
	0400	22 50.0 N	157 15.0 W	

# KILO MOANA POSITION AND EVENT LOG

PAGE 6

CRUISE KM 08-14  
C-MORE

ZD +10

DATE	ZT	LAT N	LON W	EVENT
8/03/08	0406	22° 50 0 <sup>N</sup>	157° 15 0 <sup>W</sup>	CTD S8 C1 ↓
	0504	"	"	" " ABD
	0600	22° 56.5 <sup>N</sup>	157° 21 6 <sup>W</sup>	
	0715	23 05 0 <sup>N</sup>	157 30 0 <sup>W</sup>	CTD S9 C1 ↓
	0803	23 05.0	157 30.0	CTD S9 C1 on deck
	0900	23 05.0	157 30.0	
	0923	23 05.0	157 30.0	CTD S9 C2 in the water
	1010	23 05.0	157 30.0	CTD S9 C2 on deck
	1108	23 15.0	157 29.7	
	1200	23 25.0 <sup>N</sup>	157 30.0 <sup>W</sup>	
	1214	"	"	
	1300	23 25.0 <sup>N</sup>	157 30.0 <sup>W</sup>	CTD S10 C1 ↓
	1400	23 34.9 <sup>N</sup>	157 30.0 <sup>W</sup>	CTD S10 C1 ↑
	1500	23 44.5 <sup>N</sup>	157 29.7 <sup>W</sup>	
	1507	23 44.6 <sup>N</sup>	157 29.5 <sup>W</sup>	
	1525	23 45.0 <sup>N</sup>	157 29.9 <sup>W</sup>	SEA GLIDER ↓ DEPLOYED
	1530	"	"	ON STATION # 11
	1600	"	"	CTD S11 C1 ↓
	1616	"	"	
	1703	23-51.9 <sup>N</sup>	157-29.9 <sup>W</sup>	CTD S11 C1 ABD
	1733	23 52 2 <sup>N</sup>	157° 29 6 <sup>W</sup>	NET TOW ↓
	1802	23 52 0 <sup>N</sup>	157° 29.5 <sup>W</sup>	" " ABD
	1900	24 02 2 <sup>N</sup>	157 30 0 <sup>W</sup>	
	1943	24 05 0	157 30 0 <sup>W</sup>	CTD S12 C1 ↓
	2000	24 05.0	157 30.0	CTD S12 C1 ↓
	2058	24 05.0	157 30.0	CTD on deck
	2200	24 16.8	157 30.0	
	2255	24 25.0	157 30.0	CTD S13 C1
8-3-08	0000	24 25.0	157 29.7 <sup>W</sup>	



## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08-14  
C MOREZD +10(W)

DATE	ZT	LAT N	LON W	EVENT
8-4-08	0050	24°25.0 N	157°29.7 W	CTD S13C2 ↓
	0100	24°25.0 N	157°29.7 W	
	0120	24°25.0 N	157°29.6 W	CTD S13C2 ↑
	0157	24°25.1 N	157°29.6 W	CTD S13C3 ↓
	0227	"	"	CTD S13C3 ↑
	0300	24°25.0 N	157°29.6 W	CTD S13C4 ↓
	0400	24 25 0 <sup>N</sup>	157 29 7 <sup>W</sup>	
	0409	24 25 0 <sup>N</sup>	157 29 7 <sup>W</sup>	CTD ABD
	0448	24 25 0 <sup>N</sup>	157 29 7 <sup>W</sup>	CTD S13C5 ↓
	0526	24 24 96	157 29.7 <sup>W</sup>	S13 C5 ABD
	0600	24 30 5	157 30 0 <sup>W</sup>	
	0700	24 42 7	157 30 0 <sup>W</sup>	
	0724	24 45 0	157 30 0 <sup>W</sup>	CTD S14C1 ↓
	0800	24 45.0	157 30.0	
	0817	24 45.0	157 30.0	CTA S14C1 on deck
	0905	24 53.4	157 29.9	
	1000	25 04.5	157 30.2	
	1017	25 05.1	157 30.0	CTA S15C1 in the water ↓
	1104	25 05.1	157 30.0	CTD S15C1 on deck
	1200	25 05.0	157 30.0 W	
	1233	"	"	CTD S15C2 ↓
	1300	25 05.0 W	157 30.0 W	
	1325	"	"	CTD S15C2 ↑
	1400	25 10.3 N	157 30.0 W	
	1500	25 22.5 N	157 30.0 W	
	1520	25 25.0 N	157 30.0 W	ON STATION #16
	1524	"	"	CTD S16C1 ↓
	1608	"	"	CTD S16 C1 ABD
	1700	25-33.6 N	157-30.0 W	

## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08-14ZD +10

C-MORE

DATE	ZT	LAT N	LON W	EVENT
8/4/08	1809	25° 45.0 N	157° 30.0 W	CTD S17 C1 ↓
	1854	"	"	" " AFD
	1900	25 45.0 N	157° 30.0 W	
	2000	25 45.0 N	157 30.0 W	
	2100	25 45.0 N	157 30.0 W	
	2209	25 42.4 N	157 31.2	
	2300	25 33.3	157 36.1	
8/5/08	0000	25 29.9 N	157 40.0 W	ON STATION # 18
	0002	"	"	CTD S18 C1 ↓
	0042	"	"	CTD S18 C1 ↑
	0100	25 23.0 N	157 40.0 W	
	0145	25 15.0 N	157 40.0 W	ON STATION # 19
	0153	"	"	CTD S19 C1 ↓
	0200	25 15.0 N	157 40.0 W	
	0229	"	"	CTD S19 C1 ↑
	0300	25 15.0 N	157 34.3	
	0325	25 15.0 N	157 30.0 W	ON STATION # 20
	0330	"	"	CTD S20 C1 ↓
	0400	25° 15.0 N	157° 30.0 W	
	0408	"	"	CTD AFD (S20 C1) AFD
	0518	25° 15.0 N	157° 20.0 W	CTD S21 C1 ↓
	0555	25° 15.0 N	157° 20.0 W	" " AFD
	0703	25 25.0 N	157 20.0 W	CTD S22 C1 ↓
	0738	"	"	" " AFD
	0800	25 25.0 N	157 23.9 W	
	0842	25 25.0 N	157 30.1 W	CTD S23 C1 in the water
	0900	25 25.0 N	157 30.1 W	
	0917	25 25.0	157 30.1	CTD S23 C1 on deck
	1000	25 25.0	157 30.1	



## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08-14  
C MOREZD +10(W)

DATE	ZT	LAT N	LON W	EVENT
8/5/08	1100	25 20.1	157 30.1	
	1200	25° 09.1N	157° 29.9W	
	1236	25-05.0N	157 30.0W	sed trap #1 ↓
	1300	25° 05.0N	157° 30.0W	
	1320	"	"	SED TRAP AWAY
	1400	24° 58.6N	157° 30.0W	
	1500	24° 47.2N	157° 30.0W	
	1600	24° 35.5 N	157° 30.0 W	
	1700	24 25.7N	157-29.9W	
	1800	24 13.8 N	157 30.0 W	
	1900	24 05.0 N	157 30.0 W	
	1907	24 05.0 N	157 30.0 W	CTD S25 C1 ↓
	1945	"	"	" ABB
	2000	24 02.0	157 30.0	
	2100	24 00.0	157 37.8	
	2200	24 00.0	157 50.4	
	2300	24 00.0	158 00.0	
	2330	24° 00.0N	158° 00.0W	SID ↓
	0000	24° 00.1N	157° 59.4W	
	0031	24° 00.2N	157° 59.4W	CTD S26 C1 ↓
	0059	"	"	CTD S26 C1 ↑
	0100	24° 00.2N	157° 59.4W	
	0200	24° 00.3N	157° 59.1W	
	0214	24° 00.3N	157° 59.1W	CTD S26 C2 ↓
	0242	"	"	CTD S26 C2 ↑
	0300	24° 00.0N	158° 00.0W	
	0326	"	"	CTD S26 C3 ↓
	0411	"	"	CTD ABB
	0424	24-00N	158-00W	Nitrogen/gas array ↓

## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08 14  
C-MOREZD +10

DATE	ZT	LAT N	LON W	EVENT
8/6/08	0500	23 59 9 <sup>N</sup>	158 00 1 <sup>W</sup>	
	0600	23 58 7 <sup>N</sup>	157 57 1 <sup>W</sup>	
	0702	24 00 0 <sup>N</sup>	158 00 0 <sup>W</sup>	CTD S26 C4
	0800	24 00.0	158 00.0	
	0808	24 00.0	158 00.0	CTD S26 C4 on deck
	0900	24 00.0	158 00.0	
	0936	24 00.0	158 00.0	CTD S26 C5 in the water.
	1000	24 00.0	158 00.0	CTD S26 C5 on deck.
	1043	24 00.0	158 00.0	CTD S26 C6 in the water
	1100	24 00.0	158 00.0	
	1123	24 00.0	158 00.0	CTD S26 C6 on deck
	1200	23 54.9 <sup>N</sup>	157 59.0 <sup>W</sup>	
	1240	24-00.0 <sup>N</sup>	158-00.0 <sup>W</sup>	PRR ↓ (optics) 1236 on station
	1242	24-00.0 <sup>N</sup>	158-00.0 <sup>W</sup>	PRR ↑ calibration
	1245	24-00.0 <sup>N</sup>	158-00.0 <sup>W</sup>	PRR ↓
	1256	24-00.0 <sup>N</sup>	158-00.0 <sup>W</sup>	PRR ↑
	1308	24-00.0 <sup>N</sup>	158-00.0 <sup>W</sup>	CTD ↓
	1341	"	"	CTD S26 C7 ↑
	1402	24-00.0 <sup>N</sup>	157-59.9 <sup>W</sup>	sed trap #2 ↓
	1440	23-59.9 <sup>N</sup>	157-59.7 <sup>W</sup>	sed trap away
	1502	23 59.5 <sup>N</sup>	158 00.3 <sup>W</sup>	NET TOW ↓
	1525	23 59.7 <sup>N</sup>	157 59.8 <sup>W</sup>	NET TOW ↑
	1530	23 59.6 <sup>N</sup>	157 59.8 <sup>W</sup>	NET TOW ↓
	<del>1555</del>	23 59 6 <sup>N</sup>	157 59 8 <sup>W</sup>	ABD
	1634	24 00 0 <sup>N</sup>	158 00 0 <sup>W</sup>	CTD S26 C8 ↓
	1711	24-00.0 <sup>N</sup>	158-00.0 <sup>W</sup>	CTD ↑
	1800	23 51 9 <sup>N</sup>	158 00 0 <sup>W</sup>	
	1847	23 46 0 <sup>N</sup>	158 00 0 <sup>W</sup>	CTD S27 C1 ↓
	1918	23 46 0 <sup>N</sup>	158 00 0 <sup>W</sup>	ABD



## KILO MOANA POSITION AND EVENT LOG

CRUISE Km 08-14  
C MOREZD +10

DATE	ZT	LAT	LON	EVENT
8/6/08	1923	23 46.0 <sup>N</sup>	158 00.0 <sup>W</sup>	TRANSDUCER ↓
	1928	"	"	"
	2000	23 50.7	158 00.0	ABD
	2027	23 53.0	158 00.0	CTD 528C1 in the water.
	2053	23 53.0	158 00.0	CTD 528C1 on deck
	2100	23 53.0	158 00.0	
	2200	24 03.1	158 00.0	
	2233	24 07.0	158 00.0	CTD 529C1 in the water
	2259	24 07.0	158 00.0	CTD 529C1 on deck.
	2304	"	"	Transducer ↓
	2308	"	"	Transducer on deck
8/7/08	0000	24 13.9 <sup>N</sup>	157 59.9 <sup>W</sup>	ON STATION #30
	0003	"	"	CTD 530C1 ↓
	0032	24 13.9 <sup>N</sup>	157 59.8 <sup>W</sup>	CTD 530C1 ↑
	0037	"	"	TRANSDUCER ↓
	0040	"	"	TRANSDUCER ↑
	0100	24 16.6 <sup>N</sup>	157 59.7 <sup>W</sup>	
	0130	24 20.9 <sup>N</sup>	157 59.9 <sup>W</sup>	ON STATION #31
	0137	"	"	CTD 531C1 ↓
	0200	24 20.9 <sup>N</sup>	157 59.8 <sup>W</sup>	CTD 531C1 ↑
	0300	24 12.1 <sup>N</sup>	157 56.0 <sup>W</sup>	
	0539	24 00.9 <sup>N</sup>	157 53.9	GAS ARRAY ABD
	0600	"	"	
	0656	"	"	CTD 532C1 ↓
	0800	24 01.0	157 53.9	
	0807	24 01.0	157 53.9	CTD 532C1 on deck
	0900	24 01.4	157 57.2	
	0931	24 01.0	157 54.0	CTD 532C2 in the water.
	1008	24 01.0	157 53.9	CTD 532C2 on deck

## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08-14  
C MOREZD +10 (W)

DATE	ZT	LAT N	LON W	EVENT
8/7/08	1057	24 01.0	157 53.9	CTD S32C3 in the water.
	1130	24 01.0	157 53.9	CTD S32C3 on deck.
	1155	24 00.9	157 53.8	OPTZC1 ↑ 1140 OPTZC1 ↓
	1200			
	1226	24 00.9 <sub>N</sub>	157 53.8 <sub>W</sub>	CTD S32C4 ↓
	1300	24 00.8 <sub>N</sub>	157 53.7 <sub>W</sub>	
	1303	"	"	CTD S32C4 ↑
	1357	24 00.8 <sub>N</sub>	157 53.7 <sub>W</sub>	CTD S32C5 ↓
	1420	"	"	CTD S32C5 ↑
	1500	24 05.2 <sub>N</sub>	157 53.0 <sub>W</sub>	
	1600	24 16.8 <sub>N</sub>	157 52.9 <sub>W</sub>	
	1700	24-28.4 <sub>N</sub>	157 52.9 <sub>W</sub>	
	1718	24-30.0 <sub>N</sub>	157-52.9 <sub>W</sub>	
	1732	24 30.03 <sub>N</sub>	157 52 86 <sub>W</sub>	CTD S33 C1 ↓
	1800	24 30.03	157 52 86	
	1811	"	"	CTD S33 C1, ABSD
	1900	24 36.8 <sub>N</sub>	157 48 5 <sub>W</sub>	
	1925	24 38.9 <sub>N</sub>	157 47.1 <sub>W</sub>	CTD S34 C1 ↓
	2000	24 38.9 <sub>N</sub>	157 47.1 <sub>W</sub>	CTD S34 C1 on deck
	2105	24 47.4	157 41.2 <sub>W</sub>	CTD S35 C1 in the water
	2150	24 47.4	157 41.0	CTD S35 C1 on deck
	2300	24 56.7	157 35.3	
8/8/08	0000	25 05.0 <sub>N</sub>	157 30.0 <sub>W</sub>	ON STATION # 36
	0010	"	"	CTD S36 C1 ↓
	0037	"	"	CTD S36 C1 ↑
	0100	25 05.0 <sub>N</sub>	157 30.0 <sub>W</sub>	
	0111	"	"	CTD S36 C2 ↓
	0138	"	"	CTD S36 C2 ↑
	0200	25 05.0 <sub>N</sub>	157 30.0 <sub>W</sub>	



## KILO MOANA POSITION AND EVENT LOG

CRUISE KM-08-14  
C-MOANAZD +10 (4)

DATE	ZT	LAT N	LON W	EVENT
8/8/08	0210	25°05.0N	157°30.0W	CTD S36 C3 ↓
	0257	"	"	CTD S36 C7 ↑
	0300	25°05.0N	157°30.0W	
	0347	"	"	CTD S36 C4 ↓
	0434	"	"	" ABD
	0512	"	"	CTD S36 C5 ↓
	0550	"	"	" ABD
	0557	25-05.0N	157-30.0W	Nitrogen/cus array ↓
	0739	25 05.0 N	157 30.0 W	CTD S36 C6 ↓
	0800	25 05.0	157 30.0	
	0811	25 05.0	157 30.0	CTD S36 C6 on deck
	0900	25 05.0	157 30.0	
	0949	25 05.0	157 30.0	CTD S36 C7 in the water
	1000	25 05.0	157 30.0	
	1025	25 05.0	157 30.0	CTD S36 C7 on deck
	1100	25 05.0	157 30.0	
	1118	25 05.0	157 30.0	CTD S36 C8 in the water
	<del>1100</del> 1200	25 05.0	157 30.0	
	1226	"	"	CTD S36 C8 ↑
	1234	"	"	PRR ↓
	1246	25°05.0N	157°29.9W	PRR ↑
	1300	25°03.8N	157°28.2W	
	1354	25°05.0N	157°30.0W	CTD S36 C9 ↓
	1400	25 05.0N	157 30.0W	
	1431	"	"	CTD S36 C9 ↑
	1448	"	"	NET TOW ↓
	1500	25°04.9N	157°29.7W	
	1544	25°05.0N	157°30.0W	CTD S36 C10 ↓
	1625	"	"	" ABD

## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08-014  
C-MOREZD +12

DATE	ZT	LAT N	LOE W	EVENT
08/08/08	1700	25-07.6N	157-25.7W	
	1800	25° 13.8 <sup>N</sup>	157° 15.6 <sup>W</sup>	
	1900	25 20.2 <sup>N</sup>	157 04.9 <sup>W</sup>	
	2000	25 27.1	156 53.7	
	2100	25 33.0	156 44.2	
	2146	25 36.1	156 38.8	CTD S37C1 in the water
	2200	25 36.1	156 38.8	
	2225	25 36.1	156 38.8	CTD S37C1 on deck
	2300	25 33.4	156 43.3	
	0000	25° 27.6N	156° 52.5	ON STATION # 38
	0010	"	"	CTD S38C1 ↓
	0049	"	"	CTD S38C1 ↑
	0100	25° 27.6N	156° 52.4W	
	0200	25° 21.6N	157° 02.8W	
	0237	25° 19.5N	157° 06.5W	CTD S39C1 ↓
	0312	"	"	CTD S39C1 ↑
	0400	25 15.6 <sup>N</sup>	157° 13.2 <sup>W</sup>	
	0500	25 09.6 <sup>N</sup>	157 24.5 <sup>W</sup>	
	0624	25 09.5 <sup>N</sup>	157° 27.5 <sup>W</sup>	GAS ARRAY ABD
	0703	25 09.5 <sup>N</sup>	157 27.5 <sup>W</sup>	CTD S40C1 ↓
	0800	25 09.5	157 27.4 <sup>W</sup>	CTD S40C1 on deck
	0903	25 09.5	157 27.4	CTD S40C2 ↓
	1000	25 09.5	157 27.4	
	1026	25 09.5	157 27.4	CTD S40C2 on deck
	1033	25 09.5	157 27.4	Net tow ↓
	1050	25 09.5	157 27.2	Net tow ↑
	1057	25 09.5	157 27.2	OPTICS EAST
	1200	25° 02.6N	157° 29.0W	
	1300	24° 52.5N	157° 31.8W	



## KILO MOANA POSITION AND EVENT LOG

CRUISE KM08-14  
C-MORRISZD +10 (W)

DATE	ZT	LAT N	LON W	EVENT
8-9-08	1400	24° 41.4 N	157° 35.0 W	
	1500	24 30.4 N	157 38.5 W	
	1600	24 19.5 N	157 41.9 W	
	1700	24-10.0 N	157-45.0 W	
	1704	24-10.0 N	157-45.0 W	CTD ↓ S41 C1
	1745	24 10.0 N	157° 45.0 W	" ABD
	1800	24 09.8 N	157° 46.2 W	
	1900	24 08.0 N	157 58.4 W	
	2000	24 07.0	158 06.0	CTD S42 C1 in the water ↓
	2027	24 07.0	158 05.8	CTD S42 C1 on deck
	2102	24 07.0	158 05.8	CTD S42 C2 in the water ↓
	2200	24 07.3	158 06.6	
	2143	24 07.0	158 05.7	CTD S42 C2 on deck
	2300	24 05.5	158 18.4	
8-10-08	0000	24° 03.9	158° 27.9	
	0006	"	"	CTD S43 C1 ↓
	0047	"	"	CTD S43 C1 ↑
	0100	24° 04.1 N	158° 28.2 W	
	0200	24° 02.3 N	158° 40.7 W	
	0256	24° 01.0 N	158° 50.0 W	CTD S44 C1 ↓
	0336	"	"	CTD S44 C1 ↑
	0400	24° 00.6 N	158 52.8 W	
	0500	23° 58.1 N	159 04.9 W	
	0540	23° 57.0 N	159 11.0 W	CTD S45 C1 ↓
	0600	"	"	
	0624	"	"	CTD S45 C1 ABD
	0700	23° 56.9	159° 16.5 W	
	0800	23 55.1	159 29.6	
	0818	23 55.0	159 30.0	CTD S46 C1 in the water

PAGE 16

## KILO MOANA POSITION AND EVENT LOG

CRUISE KM 08-14  
C MOREZD +10(W)

DATE	ZT	LAT N	LON W	EVENT
8/10/08	0856	23° 55.0	159° 30.0	CTD 546C1 on deck
	1000	23 55.0	159 30.0	
	1020	23 55.0	159 30.0	CTD 546C2 in the water ↓
	1058	23 55.0	159 30.0	CTD 546C2 on deck
	1110	23 55.0	159 30.0	OPTICS CAST
	1157	"	"	CTD 546C3 ↓
	1200	23° 55.0 N	159° 29.8 W	
	1235	"	"	CTD 546C5 ↑
	1245	"	"	NET TOW ↓
	1300	23° 55.0 N	159° 29.5 W	
	1304	"	"	NET TOW ↑
	1310	23° 55.0	159° 29.4 W	NET TOW ↓
	1337	23° 55.0	159° 29.0 W	NET TOW ↑
	1406	23° 54.9	159° 30.0 W	ON STATION ← 46 AGAIN
	1403	"	"	CTD 546C4 ↓
	1438	"	"	CTD 546C4 ↑
	1500	23° 52.7 N	159° 31.2 W	
	1600	23° 43.2 N	159° 38.9 W	
	1640	23° 36.5 N	159° 43.9 W	XBT ↓
	1700	23-33.5 N	159-46.1 W	
	1800	23 23.8 W	159 53.4 W	
	1900	23 14.1 N	160 00.7 W	
	2000	23 04.0	160 08.4	
	2034	23 01.0	160 10.4	CTD in the water 547C1
	2042	23 01.0	160 10.4	CTD on deck, instrument not working
	2058	23 01.0	160 10.4	CTD in the water 547C1
	2139	23 01.0	160 10.4	CTA 547C1 on deck
	2200	22 58.2	160 12.3	
	2320	22 50.0	160 20.0	CTD 548C1 in the water



## KILO MOANA POSITION AND EVENT LOG

CRUISE Km 08-14  
C MOREZD +10(W)

DATE	ZT	LAT N	LON W	EVENT
8.11.08	0000	22°50.0	160°20.0	
	0007	"	"	CTD548C1↑
	0100	22°54.6N	160°29.2W	
	0200	22°59.9N	160°40.0W	ON STATION # 49
	0212	"	"	CTD549C1↓
	0250	"	"	CTD549C1↑
	0300	27°00.1N	159°59.8W	
	0400	23°08.4 <sup>N</sup>	160°31.6 <sup>W</sup>	
	0423	23°10.0 <sup>N</sup>	160°30.0 <sup>W</sup>	CTD S50 C1 ↓
	0504	"	"	" " ABB
	0600	23°15.5 <sup>N</sup>	160°22.6 <sup>W</sup>	
	0700	23°22.6 <sup>N</sup>	160°13.1 <sup>W</sup>	
	0800	23°25.8	160°09.8	
	0900	23°27.3	160°08.6	
	1000	23°29.4	160°05.5	
	1100	23°31.4	160°02.2	
	1200	23°33.2	159°59.5W	
	1300	23°35.5	159°56.9W	
	1400	23°37.5	159°53.8W	
	1500	23°40.5	159°49.5W	
	1600	23°46.2 <sup>N</sup>	159°42.1 <sup>W</sup>	
	1700	23°51.8N	159°34.4W	
	1800	23°57.8 <sup>N</sup>	159°26.4 <sup>W</sup>	
	1838	24°01.8 <sup>N</sup>	159°20.8 <sup>W</sup>	XBT
	1900	24°04.2 <sup>N</sup>	159°17.7 <sup>W</sup>	
	2000	24°10.1	159°09.8	
	2100	24°14.6	159°03.9	
	2200	24°19.2	158°57.7	
	2300	24°23.8	158°51.6	

## KILO MOANA POSITION AND EVENT LOG

CRUISE Km 08-14  
C MOREZD +10(W)

DATE	ZT	LAT N	LON W	EVENT
8-12-08	0000	24° 28.2	158° 45.5	
	0100	24° 32.9	158° 39.1	
	0200	24° 37.7	158° 32.8	
	0300	24° 42.3	158° 26.6	
	0400	24 46.9 <sup>N</sup>	158 20.4 <sup>W</sup>	
	0500	24 51.5 <sup>N</sup>	158 14.2 <sup>W</sup>	
	0600	24 56.2 <sup>N</sup>	158° 07.9 <sup>W</sup>	
	0700	25 00.9 <sup>N</sup>	158 01.6 <sup>W</sup>	
	0800	25 06.1	157 54.8	
	0900	25 13.5	157 48.5	
	1000	25 21.2	157 42.5	
	1130	25 29.6	157 36.8	Hooked into seed trap
	1200	25° 29.6	157° 36.5	
	1204	25° 29.6	157° 36.5	WEIGHT ↑
	1245	25° 31.0 N	157° 33.4	<del>WEIGHT</del> DN STATION
	1247	"	"	CTOSSICI ↓
	1327	"	"	CTOSSICI ↑
	1400	25° 27.5 N	157° 32.4	
	1500	25° 18.0 N	157° 32.9	
	1600	25 08.8 <sup>N</sup>	157 30.9 <sup>W</sup>	
	1700	24-59.8 <sup>N</sup>	157-28.3 <sup>W</sup>	
	1800	24° 51.0 <sup>N</sup>	157° 25.7 <sup>W</sup>	
	1900	24° 42.0 <sup>N</sup>	157° 23.4 <sup>W</sup>	
	2000	24 33.1	157 21.5	
	2105	24 23.0	157 19.4	
	2200	24 21.7	157 11.2	
	2217	24 21.7	157 08.2	c/c to 000°T
	2248	24 26.9	157 08.0	c/c to 270°T
	2300	24 27.1	157 10.0	



AC: 20PAGE 19

## CONDITION AND EVENT LOG

ZD +104  
EZD +10(W)

EVENT	LAT N	LON W	EVENT
	26.9	157 20.1	
	26.9	157 30.4	C/C TO 180°
	17.7	157 30.6	SPOTTED A STROBE INVESTIGATE
	5.8	157 22.2	
	5.9 <sup>N</sup>	157 11.5 <sup>W</sup>	END SEARCH
	13.9 <sup>N</sup>	157 20.4 <sup>W</sup>	
	13.3 <sup>N</sup>	157 29.0 <sup>W</sup>	CTD ↓
	"	"	CTD ↑
	3.6	157 28.1	Seal trap on deck
	2.0	157 29.7	Sea Glider on deck.
	07.5	157 31.0	
	57.9	157 34.3	
	18.4 <sup>N</sup>	157 37.2 <sup>W</sup>	
	8.2 <sup>N</sup>	157 40.5 <sup>W</sup>	
	.0 <sup>N</sup>	157 43.9 <sup>W</sup>	
	.4 <sup>N</sup>	157 47.2	
	1.3 <sup>N</sup>	157 50.5 <sup>W</sup>	
	7.3 <sup>N</sup>	157 53.8 <sup>W</sup>	
	7.9 <sup>N</sup>	157 56.8 <sup>W</sup>	SEAGLIDER ↓
	7.8 <sup>N</sup>	157 56.8 <sup>W</sup>	ARGOS FLOAT 1 ↓
	7.7	157 56.9 <sup>W</sup>	" " 2 ↓
	2.2	157 58.7 <sup>W</sup>	
	1.7	158 02.0	
	1.3	158 05.3	
	1.0	158 08.6	
	0.6	158 11.8	
	0.3	158 15.1	
	.8	158 18.5	
	0	158 18.4	

