

FOCI I (RB-01-03-LEG I)

WEATHER OBSERVATIONS

CAST #	Date	Time UTC	Temperature		Bar Press (mb)	Seas (Code)	VIS (Code)	Winds		Amount	Clouds		Weather (Code)
			Dry	Wet				Dir (T)	Speed (Kts)		Type	(Code)	
001	07 MAY	0424	1.5	0.0	1020.0	4	8	320	18	7	6		1
002	08 MAY	1708	2.9	0.8	1012.7	3	8	285	22	1	8,4		1
003	08 MAY	1838	3.0	1.0	1013.8	4	8	280	12	1	8,3		1
004	08 MAY	2047	5.9	2.6	1014.5	3	8	260	10	4	8		1
005	09 MAY	1836	7.1	4.9	1013.9	2	8	250	10	8	8,3		2
006	10 MAY	0112	8.9	6.0	1013.2	2	8	330	08	6	8,3		1
007	10 MAY	0537	5.0	3.4	1013.9	2	7	360	10	8	7,6		2
008	10 MAY	1746	5.0	3.5	1015.4	2	8	360	05	3	8		1
009	10 MAY	2100	6.8	4.7	1015.4	3	8	040	08	4	8,6		1
010	10 MAY	2312	6.5	4.4	1015.6	3	8	330	06	4	8		1
011	11 MAY	2310	8.2	5.0	1015.4	4	8	280	12	1	3,8		0
012	12 MAY	0527	7.9	5.0	1014.4	2	8	130	04	0	-		0
013	12 MAY	2042	8.5	6.2	1010.6	2	8	015	05	3	6		1

If sky is not visible, cloud amount = 9; otherwise cloud amount should be recorded in eights (example: Cloud Amount - 3/8; Record 3

CODE	SEA STATE (ft)		Visibility (nm)	Cloud Type	Weather	CODE
0	0.00	feet - Glassy	< 0.02	Cirrus	Clear	0
1	0.0 - 0.3	feet - Rippled	0.02 - 0.10	Cirrocumulus	Partly Cloudy	1
2	0.3 - 1.6	feet - Wavelet	0.10 - 0.25	Cirrostratus	Continuous Clouds	2
3	1.6 - 4.1	feet - Slight	0.25 - 0.50	Alto cumulus	Blowing Snow	3
4	4.1 - 8.2	feet - Moderate	0.50 - 1.00	Altostratus	Fog, thick dust, haze	4
5	8.2 - 13.1	feet - Rough	1.00 - 2.0	Nimbostratus	Drizzle	5
6	13.1 - 19.7	feet - Very Rough	2.00 - 5.00	Stratocumulus	Rain	6
7	19.7 - 29.5	feet - High	5.00 - 10.00	Stratus	Snow or rain/snow mix	7
8	29.5 - 45.9	feet - Very High	10.00 - 25.00	Cumulus	Showers	8
9	> 45.9	feet - Phenomenal	> 25.00	Cumulonimbus	Thunderstorms	9

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE +8		PAGE NO.	
PROJECT NAME			PROJECT NO.					DAY (GMT)		YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1					6/7		MAY 2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
2000	012° / 9.0	53° 58' 26.0		166° 27' 41.2		78.1	1/2 W DUTCH HARBOR AK				
2016	038 / 9.0	54° 00' 4		166° 25' 3			C/C 038° T				
2100	038 / 9.0	54° 05' 708		166° 19' 35.1		87.8					
2155		54° 12' 09		166° 10' 8.6		161	C/C 052				
2230	053 / 9.1	54° 15' 37		166° 03' 43							
1300	050 / 9.3	54° 18' 406		165° 56' 815		250					
0000	060° / 12.7	54° 24' 81		165° 41' 25			C/C 090°				
0015	050 / 12.5	54° 26' 28		165° 36' 82							
0100	045 / 12.0	54° 26' 528		165° 19' 093		82.4 fm 150 m					
0117	114° / 4.0	54° 26' 09		165° 15' 03			Drifter # 131341 Deployed				
0200	120 / 10.6	54° 23' 50		165° 03' 52		62 fm					
0300	114 / 10.0	54° 19' 002		164° 48' 100		34 fm					
0325	120 / AP	54° 18' 07		164° 44' 62		83 m	On Station UP-3A				
0340	AP 120	54° 18' 070		164° 44' 626		83 m	Anchors in water, commence Deployment				
0358	AP 120	54° 18' 070		164° 44' 626		83 m	Anchors Drugged, Buoy Deployed				
0418	AP 120	54° 17' 853		164° 44' 037		80 m	CTD in water CTD 1				
0424	AP 120	54° 17' 855		164° 44' 040		81.2	CTD at depth (70 m)				

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA		TIME ZONE +8		PAGE NO. 2	
PROJECT NAME			PROJECT NO.				DAY (GMT)	MONTH	YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1				07	MAY	2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS			
0429	AP 120'	54° 17.855		164° 44.040	81		CTD ON DECK / UNDERWAY			
0500	115' / 13.1	54° 16.253		164° 33.199	100					
0600	093' / 13.5	54° 14.500		164° 15.4	94					
0700	093' / 13.6	54° 13.110		163° 52.158	110					
0800	099' / 13.3	54° 11.56		163° 30.37	97					
0900	105' / 12.6	54° 09.33		163° 08.73	85					
1000	105' / 13.0	54° 07.06		162° 47.62	83					
1100	090' / 13.3	54° 05.20		162° 25.56	85.8					
1200	085' / 13.0	54° 04.76		162° 03.37	147					
1300	070' / 13.2	54° 06.57		161° 41.15	124					
1400	075' / 13.3	54° 10.25		161° 19.50	56					
1500	076' / 13.1	54° 13.20		160° 57.50	655					
1600	076' / 12.5	54° 16.076		160° 35.493	230					
1700	076' / 12.0	54° 16.990		160° 16.466	229					
1800	056' / 11.9	54° 21.075		159° 57.313	239					
1900	056' / 12.0	54° 28.802		159° 40.147	129					
2000	055' / 12.6	54° 35.76		159° 22.33	79					

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE +8		PAGE NO. 3	
PROJECT NAME			PROJECT NO.					DAY (GMT)		YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1					07/08		2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
2100	057 12.9	54° 42.75		159° 04.30		86					
2200	057 13.4	54° 50.05		158° 45.53		95					
2300	055 13.4	54° 57.71		158° 25.90		196					
0000	056 13.8	55° 05.30		158° 06.20		109					
0100	053 13.7	55° 12.84		157° 46.40		85					
0200	060 13.5	55° 20.39		157° 26.0		—	1/2 FOR MILLER FREEMAN				
0300	055 12.4	55° 26.50		157° 05.30		93					
0400	060 13.0	55° 32.400		156° 45.000		126					
0500	AP 32.0	55° 34.659		156° 38.5540		230	ON STATION - REMOVED WITH MILLER FREEMAN (2410 - 0515Z)				
0600	025 13.1	55° 43.729		156° 34.982		230					
0700	216020 13.1	55° 55.549		156° 24.331		228	REMANA TO TRACKLINE				
0800	020 13.1	56° 07.52		156° 16.45		226					
0900	018 12.8	56° 19.85		156° 08.16		259					
1000	018 13.3	56° 32.04		156° 00.00		274					
1100	018 12.9	56° 44.48		155° 51.13		299					
1200	018 11.8	56° 56.4		155° 43.30		313					
1300	018 12.5	57° 08.00		155° 35.25		277					

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE +8		PAGE NO. 4	
PROJECT NAME			PROJECT NO.					DAY (GMT)		MONTH YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1					08		MAY 2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
1400	020/12.3	57° 19.80		155° 27.0		272					
1500	020/12.1	57° 31.00		155° 19.18		280					
1600	AP/325	57° 41.09		155° 12.18		—	On Station 01-SSA-1A				
1617	AP/325	57° 41.10		155° 12.19		—	ANCHOR IN THE WATER				
1635	AP/325	57° 41.115		155° 12.209		297	ARRAY RELEASED / MOORING IN PLACE 01-SSP-1A #				
1650	AP/325	57° 41.299		155° 12.607		298	moored 0.2 nm from CTD				
1656	AP/325	57° 41.307		155° 12.598		298	CTD IN WATER				
1708	AP/325	57° 41.270		155° 12.666		298	CTD AT DEPTH (279 m DEPTH) #002				
1716	AP/325	57° 41.182		155° 12.634		298	CTD ON DECK / SAMPLES NEXT BATTERY 172 (13.0)				
1756	AP/260	57° 37.163		155° 04.432		250	ON STATION 01-SSP-2A. #				
1807	AP/260	57° 37.125		155° 04.484		251	ANCHOR IN WATER				
1812	AP/295	57° 37.124		155° 04.487		251	INSTRUMENT IN THE WATER				
1815	AP/295	57° 37.137		155° 04.479		251	INSTRUMENT RELEASED, ANCHOR DROPPED IN PLACE				
1828	AP/105	57° 37.129		155° 04.393		251	CTD IN THE WATER				
1838	AP/105	57° 37.149		155° 04.385		258	CTD AT DEPTH #003 (238m WATER / 238m CTD)				
1846	AP/105	57° 37.148		155° 04.387		—	CTD ON DECK / HANDING TO NEXT STATION				
1900	AP/135	57° 35.700		155° 01.299		238					

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE +8		PAGE NO. 5	
PROJECT NAME			PROJECT NO.					DAY (GMT)		YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1					08/09		MAY 2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
1952	AP 280	57° 29.41		154° 48.63		211	ONSTATION SSP-3A				
2020	AP 270	57° 29.04		154° 48.51		198.2	MOVED FOR TARGET DEPTH 0.37 NM				
2028	AD 270	57° 29.033		154° 48.477		198.3	SSP-3A IN THE WATER				
2030	AP 270	57° 28.86		154° 48.92		198.2	0.25 NM FROM DROP SITE FOR CTD				
2038	AD 270	57° 28.865		154° 48.931		203	CTD IN THE WATER CAST 004				
2047	AP 270	57° 28.86		154° 48.93		203	AT DEPTH w/o 190				
2054	AP 270	57° 28.86		154° 48.94		203	CTD ON DECK				
2200	199 / 13.1	57° 21.30		154° 53.70		146					
2300	199 / 13.2	57° 09.62		155° 01.10		208					
0000		56° 57.00		155° 08.87		214					
0100	190 / 13.9	56° 43.50		155° 15.00		100					
0200	190 / 14.0	56° 30.18		155° 19.11		56					
0300	190 / 14.0	56° 15.92		155° 23.90		56					
0400	128 / 14.2	56° 02.707		155° 22.647		67	CLK 0350 126° P90				
0416	212 / 12.5	56° 00.894		155° 16.453		80					
0500	064 / 11.2	56° 04.773		155° 02.663		54	(R1 < 650 Rpm (For 11.0 KTS.)) (0510 K/560 Rpm)				
0600	064 / 11.0	56° 09.611		154° 44.943		98					

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE + 8		PAGE NO. 2	
PROJECT NAME			PROJECT NO.					DAY (GMT)		YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1					MAY		2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
0700	064 / 11.3	56° 14.547		154° 26.978		89	R/S 630 Rpm Tmk 11.0				
0800	075 / 11.5	56° 19.26		154° 08.58		100					
0900	085 / 12.0	56° 23.59		153° 49.82		98					
1000	055 / 11.0	56° 30.06		153° 32.67		135					
1100	056 / 11.2	56° 35.91		153° 15.57		124					
1200	058 / 11.0	56° 41.70		152° 58.53		106					
1300	053 / 10.7	56° 47.25		152° 41.42		75	1330 AT BC-2A site				
1400	AP / 285	56° 49.00		152° 36.26		128	ON Station				
1545	AP / 000	56° 49.020		152° 36.233		128	ANCHOR IN WATER				
1555	AP / 000	"		"		"	INSTRUMENT IN WATER				
1558	AP / 106	"		"		"	PACKAGE RELEASED				
1700		56° 53.764		152° 24.735		148					
1720	AP / 040	56° 54.018		152° 24.223		143	ON STATION BCP-1A				
1721	"	"		"		"	ANCHOR IN WATER				
1816	"	56° 54.157		152° 24.123		142	PACKAGE RELEASED				
1829	AP / 040	56° 54.363		152° 23.752		136	CTD IN THE WATER				
1836		56° 54.364		152° 23.752		134	CTD @ DEPTH CAST 005				

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NOAAS RONALD H. BROWN			LOCATION		GULF OF ALASKA		NORTH-PACIFIC-- BERING SEA		TIME ZONE +8		PAGE NO. 47	
PROJECT NAME DUTCH HEE-501000			PROJECT NO. 98-01-03-154		TRANSIT				DAY (GMT) 09		YEAR 2001	
JAPAN--ALASKA												
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS					
1843	AP/040	56° 54' 36.4		152° 23.752		135	CTD ON DECK					
1900	039 / 9.5	52° 55' 64.7		152° 22.057			UNDWAY TO CB-2A					
2000	041 / 12.6	57° 04.53		152° 08.07		83						
2100	040 / 12.7	57° 14.31		151° 54.26		68						
2200	041 / 13.3	57° 24.40		151° 39.25		70						
2237	AP 300	57° 27.64		151° 34.48		120.6	ANCHOR IN THE WATERS CB-2A 0.74 NM FROM ORIGINAL SITE					
2243	AP 300	"		"			INSTRUMENT IN THE WATER					
2248	AP 300	57° 27.64		151° 34.48		120.2	MOORING RELEASED / UNDERWAY TO CBP-3A					
2345	AP 310	57° 30.95		151° 26.54		145.8	CBP-3A MOORING SITE, 2350 Anchor Tag					
2352	AP 310	57° 30.95		151° 26.54		145.6	First instrument in water.					
0051	AP 310	57° 30.93		151° 26.53		145.5	Mooring Complete					
0105	AP 310	57° 31.382		151° 27.326		143.7	CTD IN WATER #006					
0112	AP 310	57° 31.384		151° 27.329		143.6	CTD AT DEPTH #006 (130 m wire out)					
0118	AP 310	57° 31.383		151° 27.330		143	CTD ON DECK #006 / Underway For 01-CB-1B					
0200	295 / 13.3	57° 34.73		151° 39.30		114						
0300	296 / 12.7	57° 40.50		152° 01.15		189						
0350	AP 265	57° 43.315		152° 17.334		198	ON STATION 01-CB-1B					

NOAAS RONALD H. BROWN			LOCATION		GULF OF ALASKA		I. NORTH-PACIFIC- BERING SEA		TIME ZONE		PAGE NO. 8	
PROJECT NAME			PROJECT NO. R-01-03		JAPAN-ALASKA		TRANSIT		DAY (GMT)	MONTH	YEAR	
JAPAN-ALASKA			LATITUDE		LONGITUDE		W		10	MAY	2001	
TIME (GMT)	GYRO		LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
0356	AP 265		57°43.292		152°17.323		190	Acoustic Release Tagged 01-CB-1B				
0358	AP 265		57°43.292		152°17.323		190	Buoys on the surface				
0412	Manual		57°43.227		152°17.525		190	Package Hooked - to A-FRAME				
0420	AP 260		57°43.228		152°17.524		190	Package on Deck - move to Historic Station				
0435	AP 340		57°43.331		152°17.614		190	ON STATION FOR Deployment				
0457	AP 340		57°43.334		152°17.618		190	Arrival in the water - commence Deployment				
0508	AP 340		57°43.333		152°17.615		190	Arrival Dropped - Deployed CB-1B (NEW) / MOVE OFF FOR CID.				
0524	AP 350		57°43.478		152°17.163		160	ON STATION FOR CID #007				
0527	AP 350		57°43.479		152°17.158		160	CTD IN WATER #007				
0537	AP 350		57°43.479		152°17.158		159	CTD AT DEPTH (150 m wire out)				
0543	AP 350		57°43.481		152°17.159		159	CTD ON DECK / UNDERWAY TO GP-32A STATION				
0600	051 / 9.4		57°43.850		152°16.203		194					
0700	051 / 13.2		57°51.535		151°58.368		113					
0800	049 / 13.5		57°59.62		151°39.600		111					
0820			58°04.09		151°29.85			c/c 019				
0900	014 / 13.5		58°10.47		151°26.82		168					
1000	017 / 13.7		58°23.82		151°20.35		136					

9

NOAAS RONALD H. BROWN			LOCATION		TIME ZONE +8		PAGE NO. 9	
PROJECT NAME DUCK HARBOR			PROJECT NO. 18-01-031661		DAY (GMT) 10		MONTH MAY	
DORWARD, AK							YEAR 2000	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS	
1100	019 13.2	58° 36.91		151° 13.97		191		
1200	016 12.7	58° 49.69		151° 07.61		137		
1300	016 12.1	59° 01.75		151° 01.80		166		
1400	AP 060	59° 06.32		150° 59.44		157	On station GP-32A, Arrived 1330	
1500	AP 060	59° 06.32		150° 59.44		155		
1600	AP 060	59° 06.32		150° 59.44		155		
1619	AP 060	59° 06.32		150° 59.44		155	ANCHOR IN THE WATER	
1700	AP 060	59° 06.32		150° 59.43		155		
1725	AP 060	59° 06.31		150° 59.43		154	MODEM DEPLOYED MPCS FOR CTD	
1735	AP 060	59° 06.43		150° 59.06		158	ON STATION FOR CTD #008	
1738	AP 060	59° 06.43		150° 59.06		158	CTD IN WATER	
1746	AP 060	59° 06.43		150° 59.06		157	CTD @ DEPTH 148 m CAST #008	
1752	AP 060	59° 06.43		150° 59.06		157	CTD ON DECK	
1800	170 4.8	59° 05.947		150° 58.839		177	ENROUTE TO GP-34A	
1900		58° 57.286		150° 55.401		152	MANEUVERING @ VAR COURSES LOOKING FOR 142 m DEPTH	
1933	AP 070	58° 57.80		150° 55.92		144	ON STATION FOR MODEM GP-34A	
1954	AP 065	58° 57.81		150° 55.92		143.8	Anchor in the water	

North of original station

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE +8		PAGE NO. 10	
PROJECT NAME		PROJECT NO.						DAY (GMT)		MONTH	
DUTCH HARBOR - SEWARD		RB-01-03-LEG1						10/11		MAY	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
2042	AP / 050	58° 57.81		150° 55.92		143.8	MARKING RELEASED GP-31A				
2053	AP / 050	58° 58.051		150° 55.34		143	CTD CAST 009 IN THE WATER				
2100	AP / 040	58° 58.057		150° 55.344		142	CTD AT DEPTH 128 M				
2107	AP / 040	58° 58.053		150° 55.344		143	CTD ON DECK				
2200	105 / 9.7	58° 56.92		150° 53.72		179					
2245	AP / 080	58° 45.03		150° 51.91		187	ANCHOR IN THE WATER GP-30A				
2252	AP / 085	58° 45.03		150° 51.91		187	MARKING AWAY				
2304	AP / 090	58° 45.07		150° 51.44		187	CTD IN THE WATER C45T 010				
2312	AP / 095	58° 45.064		150° 51.436		185	CTD AT DEPTH 183				
2320	AP / 095	58° 45.07		150° 51.44		—	CTD ON DECK / ENROUTE TO FATE 1				
0000	107 / 8.5	58° 43.68		150° 43.81		—					
0100	104 / 9.1	58° 41.83		150° 27.65		200					
0200	107 / 10.0	58° 38.37		150° 10.04		—					
0300	107 / 9.0	58° 35.38		149° 52.54		148					
0400	105 / 8.3	58° 32.917		149° 36.924		126					
0500	102 / 8.0	58° 30.447		149° 21.732		129					
0600	103 / 7.9	58° 28.201		149° 07.727		117					

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9

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE +8		PAGE NO. 11	
PROJECT NAME			PROJECT NO.					DAY (GMT)		YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1					MAY		2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
0700	094° 7.5	58° 25.685		148° 53.021		120					
0800	102° 7.1	58° 23.608		148° 39.45		135					
0900	097° 7.8	58° 21.41		148° 25.97		1017					
1000	098° 7.3	58° 19.28		148° 12.67		1294					
1100	099° 7.6	58° 17.123		147° 59.36		1639					
1200	102° 7.7	58° 14.86		147° 45.69		2302	1215 Arrive FATE site				
1300	101° 7.5	58° 13.56		147° 42.47		2425	Drift West				
1400	S	58° 17.43		147° 39.43		2397	Conducting Seabeam				
1500	S	58° 17.16		147° 47.84		2255	"				
1600		58° 10.947		147° 47.249		2379					
1700	05° 7.4	58° 11.72		147° 45.97		2390					
1800		58° 11.93		147° 45.13							
1900	045° 1.0	58° 12.51		147° 44.36			Deploying FATE moorings				
1937	045° 1.0	58° 12.573		147° 44.238			FATE mooring in the water				
2245	045° 1.0	58° 16.786		147° 40.575		23994	ANCHOR RELEASED				
2257	045° 1.0	58° 16.32		147° 40.20		2397	CTD IN THE WATER				
2310	045° 1.0	58° 17.323		147° 40.275		2396	CTD AT DEPTH, SOON CAST OIL				

9

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE +0		PAGE NO. 12	
PROJECT NAME			PROJECT NO.					DAY (GMT)		YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1					11/12		2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
2321	AP 235	58° 17.33		147° 40.28		2396	CTD ON DECK				
2338	✓ 1/6.5	58° 16.473		147° 40.558		2400	Buoy 07 150M				
0000	320/12.5	58° 18.64		147° 45.75		2225					
0100	328/13.1	58° 30.621		148° 01.442		2047					
0200	326/12.4	58° 40.00		148° 13.60		505					
0300	326/12.7	58° 50.62		148° 27.60		280					
0330	AP 220	58° 55.48		148° 34.05		257	CAPP-6A s.s.e, 0336 Anchor in water				
0346	AP 220	58° 55.481		148° 34.044		257	moving away - Deployed / 4/14 GB-5A				
0400	331/13.3	58° 56.934		148° 35.559		256					
0450	AP 230	59° 02.560		148° 41.546		202	ON SITE GB-5A				
0455	AP 230	59° 02.561		148° 41.544		202	Anchor in water				
0502	AP 230	59° 02.561		148° 41.547		202	moving away - Deployed / moving 0.25 nm from CTD				
0516	AP 230	59° 02.799		148° 41.893		192	CTD in water # 012				
0527	AP 230	59° 02.795		148° 41.898		192	CTD AT DEPTH # 012 (180 m cable out)				
0533	AP 230	59° 02.796		148° 41.897		192	CTD ON DECK # 012 / 4/14 from station GB-4A				
0608	AP 235	59° 07.613		148° 47.126		148	ON SITE GB-4A				
0614	AP 235	59° 07.616		148° 47.130		148	Anchor in water				

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE + 8		PAGE NO. 13	
PROJECT NAME			PROJECT NO.					DAY (GMT)		YEAR	
DUTCH HARBOR - SEWARD			RB-01-03-LEG1					12		2001	
TIME (GMT)	GYRO	LATITUDE	N	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
0709	AP 235	59° 07.679		148° 47.288		148	moving away - Deployed w/w to station GBP/GBM 3A				
0800	330/8.1	59° 11.69		148° 51.46		178					
0900	AA 330	59° 16.91		148° 57.79		188	0930 ON STATION GBP/GBM 3A				
1100	AP 135	59° 16.98		148° 56.98		185					
1200	AP 130	59° 16.98		148° 56.97		186					
1600	AA 210	59° 16.09		148° 58.22		189	MANEUVERING TOWARD START OF GBM DEPLOYMENT LINE				
1700	AP 070	59° 15.42		148° 59.60		174	DEPLOYING CHAIN 9. HARDWARE ON STATION				
1712	AA 040	"		"		174	w/w FOR MOORING SITE TOWING GEAR ASTERN				
1800	AA 640	59° 15.554		148° 59.498		177					
1839	AP 050	59° 16.234		148° 58.337		186	STOPPED TO DEPLOY GBM-35 BUOY				
1842	AP 060	59° 16.236		148° 58.335		187	OCEO WINCH CABLE PAIRED UNDER STRAIN FROM MOORING ANCHOR - ACOUSTIC RELEASE LOST OVER THE SIDE				
1900	AP 060	59° 16.235		148° 58.335		187					
2000		59° 16.22		148° 58.31		188					
2012	AA 090	59° 16.228		148° 58.317		188	BUOY IN THE WATER "OSCAR"				
2023	AA 090	59° 16.423		148° 57.916		187	ANCHOR RELEASED				
2032	AP 060	59° 16.71		148° 57.52		187	CTD IN THE WATER CAST 013				
2042	AP 096	59° 16.71		148° 57.52		186	CTD AT DEPTH 177M				

185/90

NOAAS RONALD H. BROWN			LOCATION		BERING SEA - GULF OF ALASKA			TIME ZONE +8		PAGE NO. 14	
PROJECT NAME		PROJECT NO.						DAY (GMT)		YEAR	
DUTCH HARBOR - SEWARD		RB-01-03-LEG1						12/13		2001	
TIME (GMT)	GYRO	LATITUDE	N.	LONGITUDE	W	DEPTH M	OPERATION DESCRIPTION/COMMENTS				
2051	AP 060	59° 16.714		148° 57.514		186	CTD ON DECK				
2103	AP 060	59° 16.714		148° 57.515		187	ANCHOR IN THE WATER GBL-35				
2128	AP 060	59° 16.715		148° 57.518		187	MOORING-RELEASED				
2138	220 7.4	59° 16.423		148° 58.125		188	BUOY AT 100M				
2200	345 130	59° 19.43		149° 01.00		186					
2300	335 13.5	59° 32.10		149° 10.60		216					
2315	AP 260	59° 34.20		149° 11.73		215	ON STATION FOR GBL-2A				
2321	AP 260	59° 34.20		149° 11.73		215	ANCHOR IN THE WATER				
0042	AP 260	59° 34.20		149° 11.74		215	MOORING RELEASED				
0100	327 13.0	59° 36.60		149° 14.63		219					
0146	AP 320	59° 41.54		149° 22.26		232	Anchor in the water				
0303	AP 320	59° 41.54		149° 22.26		232	MOORING RELEASED, Underway for Seward				
0330		59° 45.85		149° 25.4		—					
0350	14023 13.3	59° 50.000		149 28.800		276					