

Epoch	Time	Pit Log	FFID	Tape	Shot	Latitude	Longitude	
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1094074140	2004+245:21:	1563.76				57.045339	-135.530793	
1094074780	2004+245:21:	1564.67				57.059206	-135.533802	
1094076023	2004+245:22:	1566.14				57.085602	-135.532908	
1094077271	2004+245:22:	1567.76				57.109576	-135.515401	
1094078420	2004+245:22:	1569.15				57.129219	-135.489983	
1094079172	2004+245:22:	1569.96				57.129087	-135.46251	
1094081910	2004+245:23:	1573.17				57.136583	-135.450426	
1094082849	2004+245:23:	1574.24				57.140649	-135.474496	
1094083189	2004+245:23:	1574.69		0	12	68	57.134736	-135.482693
1094083267	2004+246:00:	1574.81		16	13 54?		57.133457	-135.48447
1094083606	2004+246:00:	1575.21		44	13	76	57.127991	-135.491962
1094085014	2004+246:00:	1576.95		180	13	212	57.103254	-135.523483
1094085307	2004+246:00:	1577.29		0	13	241	57.098079	-135.529852
1094085495	2004+246:00:	1577.51		220	13		57.094762	-135.533593
1094085556	2004+246:00:	1577.59		225	13	257	57.093696	-135.534805
1094085871	2004+246:00:	1578		250	13	282	57.087857	-135.539647
1094086352	2004+246:00:	1578.53					57.078644	-135.536379
1094088645	2004+246:01:	1581					57.055139	-135.53359
1094089427	2004+246:01:	1582.04					57.071719	-135.533773
1094090344	2004+246:01:	1583.24					57.090604	-135.534298
1094092172	2004+246:02:	1585.56					57.122293	-135.520459
1094092761	2004+246:02:	1586.18		116	14	300	57.113793	-135.511816
1094093391	2004+246:02:	1586.9		180	14	364	57.102496	-135.524422
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1094094458	2004+246:03:	1588.13					57.081423	-135.533069
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1094096477	2004+246:03:	1590.54					57.040416	-135.527657
1094097608	2004+246:04:	1591.89					57.018273	-135.513409
1094098406	2004+246:04:	1592.71					57.004703	-135.504686
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1094175253 2004+247:01:	1674.84				56.991197	-136.366978
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1094185259 2004+247:04:	1686.86				56.922953	-136.36919
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1094190031 2004+247:05:	1692.82	398	21	338	56.994154	-136.496976
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1094442425	2004+250:03:	2093.78				58.994714	-135.296812
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1094448364	2004+250:05:	2102.51	816	34	728	58.850593	-135.243825
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1094452129	2004+250:06:	2108.23	1278	35	1186	58.760892	-135.1636
1094452490	2004+250:06:34:49					58.752752	-135.153264
1094454007	2004+250:07:	2111.2	1500	35	1408	58.716831	-135.120828
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1094457607	2004+250:08:	2116.78	1919	36	1828	58.622971	-135.104289
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1094470593	2004+250:11:36:33					58.277664	-134.985668
1094471577	2004+250:11:52:57					58.251238	-134.992086
1094471699	2004+250:11:54:59					58.248116	-134.991665
1094472036	2004+250:12:	2138.64	3650	38	3559	58.239024	-134.987882
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1094479543	2004+250:14:	2149.46	4459	39	4368	58.062865	-134.896781
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1094480054	2004+250:14:	2150.21	4497	40	4406	58.053237	-134.887964
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1094488204 2004+250:16:	2160.13	505	41	411	58.108881	-135.029411
1094489732 2004+250:16:	2161.98	637	41	542	58.118221	-135.086103
1094490003 2004+250:17:	2162.27	666	41	575	58.121398	-135.095141
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1094719520 2004+253:08:	2476.61	547	48	1	58.097842	-136.759361
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1094750610 2004+253:17:23:29		331	63	1	57.870608	-137.115438
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1094765403 2004+253:21:	2534.57		66	1325	58.067731	-136.700267
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1094770803 2004+253:23:	2541.08	532	67	367	58.013161	-136.87226
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1094775812 2004+254:00:	2546.63	980	68	730	57.948159	-137.024137
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1094776373 2004+254:00:	2547.28	1047	69	798	57.940647	-137.041665

1094776817 2004+254:00:	2547.81	1085	69	835	57.934899	-137.054999
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1094778188 2004+254:01:	2549.43	1215	69	965	57.916716	-137.097145
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1094866204 2004+255:01:	2714.63				59.434904	-139.716204
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1094867335 2004+255:01:	2715.98	12	70	17	59.417425	-139.706821
1094867393 2004+255:01:	2716.04	331	70	35	59.416296	-139.70774
1094867468 2004+255:01:	2716.17	312	70	54	59.414842	-139.708869
1094867628 2004+255:01:	2716.35	374	70	79	59.41179	-139.711227
1094868003 2004+255:02:	2716.84	442	70	147	59.404612	-139.716937
1094869167 2004+255:02:	2718.47	650	70	355	59.382306	-139.737767
1094869424 2004+255:02:	2718.73	191	70	365	59.377436	-139.741287
1094869807 2004+255:02:	2719.24	775	70	481	59.369823	-139.74606
1094870499 2004+255:02:	2720	906	70	615	59.356121	-139.755292
1094871236 2004+255:02:	2721.01	1025	71	730	59.341563	-139.766771
1094871606 2004+255:03: 2721/47		1115	72	820	59.334401	-139.772401
1094873185 2004+255:03:	2723.33	1390	72	1095	59.30355	-139.796681
1094873405 2004+255:03:	2723.59	1452	73	1157	59.299249	-139.800063
1094875145 2004+255:03:	2725	1755	73	1460	59.265681	-139.826422
1094877031 2004+255:04:	2727.79	2113	74	1818	59.229665	-139.854637
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1094878808 2004+255:05:	2729.77	2423	75	2128	59.197861	-139.879491
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1095469599 2004+262:01:	3580.76	442	156	517	58.849477	-144.462112

1095469742 2004+262:01:	3580.92	517	156	442	58.852447	-144.460821
1095579477 2004+263:07:	3735.82				59.786595	-145.273409
1095580908 2004+263:08:	3737.18				59.769221	-145.244314
1095581397 2004+263:08:	3737.72				59.763084	-145.233149
1095582270 2004+263:08:	3738.72	32	157	1	59.754098	-145.210965
1095582605 2004+263:08:	3739.21	98	70	69	59.74938	-145.199832
1095584356 2004+263:08:	3741.63	396	57	365	59.724944	-145.147822
1095584468 2004+263:09:	3741.82				59.723358	-145.144577
1095586318 2004+263:09:	3744.56	761	58	730	59.697158	-145.08956
1095588028 2004+263:10:	3737.03	1081	59	1051	59.673519	-145.04003
1095588407 2004+263:10:	47.58	1126	59	1095	59.668134	-145.028728
1095589855 2004+263:10:	3749.66	1418	60	1387	59.647449	-144.985519
1095590328 2004+263:10:	3750.33	1491	60	1460	59.640387	-144.970802
1095591616 2004+263:11:	3752.16	1757	161	1726	59.621523	-144.931306
1095592205 2004+263:11:	3752.98	1865	61	1825	59.612179	-144.912083
1095592682 2004+263:11:	3753.6	1944	62	1913	59.605597	-144.898363
1095592767 2004+263:11:	3753.71				59.604344	-144.89581
1095599019 2004+263:13:	3761.86				59.586754	-145.13272
1095599298 2004+263:13:	3762.2				59.58671	-145.144993
1095602313 2004+263:13:	3765.89				59.6079	-145.231699
1095602643 2004+263:14:	3766.34	97	163	1	59.612778	-145.222428
1095602986 2004+263:14:	3766.83				59.617919	-145.212675
1095603687 2004+263:14:	3767.82				59.62813	-145.193066
1095604203 2004+263:14:	3768.55	388	163	292	59.635984	-145.178049
1095604710 2004+263:14:	3769.29	461	163	365	59.643388	-145.163823
1095606004 2004+263:15:	3771.13	712		616	59.66185	-145.128414
1095606774 2004+263:15:	3772.24	826	164	730	59.672769	-145.107376
1095607807 2004+263:15:	3773.76	1039	165	943	59.688131	-145.077839
1095608732 2004+263:15:	3775.11	1191	165	1095	59.701929	-145.05126
1095609607 2004+263:16:	3776.39	1371	166	1275	59.715029	-145.025976
1095610448 2004+263:16:	3777.6	1518	166	1421	59.727578	-145.001734
1095611404 2004+263:16:	3779				59.742084	-144.973729
1095611795 2004+263:16:	3779.56				59.74787	-144.962456
1095611855 2004+263:16:	3779.64				59.748846	-144.960612
1095612156 2004+263:16:	3780.06	1517	166	1421	59.75302	-144.952553
1095658177 2004+264:05:	3888.92				60.750635	-147.644711
1095662556 2004+264:06:	3894.35	229	167	1	60.71207	-147.711415
1095662800 2004+264:06:	3894.67	281	167	56	60.706547	-147.711106
1095663608 2004+264:07:	3895.72	483	167	211	60.688845	-147.710073
1095664441 2004+264:07:	3896.94	593	167	365	60.67075	-147.709063
1095665415 2004+264:07:	3898.04	785	168	556	60.650182	-147.707865
1095665624 2004+264:07:	3898.31	817	168	589	60.645456	-147.707636

1095666329 2004+264:07:	3899.32	958	168	730	60.629679	-147.706694
1095667206 2004+264:08:	3900.59	1142	169	904	60.609875	-147.705603
1095667715 2004+264:08:	3901.38	1240	169	1000	60.598616	-147.704857
1095667852 2004+264:08:	3901.55	1240	169	1000	60.595552	-147.704597
1095670938 2004+264:09:	3906.1				60.616845	-147.772765
1095671206 2004+264:09:	3906.46	154	170	1	60.621996	-147.766258
1095671362 2004+264:09:	3906.68	200	170	47	60.624792	-147.762259
1095672621 2004+264:09:	3903	430	170	277	60.647649	-147.729756
1095673161 2004+264:09:	3909.11	518	170	365	60.657735	-147.715437
1095674410 2004+264:10:	3910.81	821	171	602	60.682922	-147.679493
1095675080 2004+264:10:	3911.71	967	171	706	60.69666	-147.659895
1095675219 2004+264:10:	3911.89	967	171	706	60.699424	-147.656115
1095726497 2004+265:00:	3975.72				60.554531	-146.69109
1095728295 2004+265:00:	3977.85				60.539895	-146.662463
1095728888 2004+265:01:	3978.78	101	172	1	60.533435	-146.678034
1095730208 2004+265:01:	3980.77	317	172	218	60.517512	-146.714722
1095731191 2004+265:01:	3982.25	465	172	365	60.504919	-146.744036
1095732006 2004+265:02:	3893.45	626	173	527	60.494734	-146.767643
1095733372 2004+265:02:	3985.47	830	173	730	60.478278	-146.805823
1095733570 2004+265:02:	3985.77	831	174	731	60.475878	-146.81138
1095733806 2004+265:02:	3986.11				60.472323	-146.815204
1095735608 2004+265:03:	3988.88	831		731	60.441477	-146.81408
1095742046 2004+265:04:	3995.88				60.410375	-146.776967
1095742304 2004+265:04:	3996.29	144	175	1	60.41846	-146.778427
1095742503 2004+265:04:	3996.49	184	175	20	60.423874	-146.779084
1095743344 2004+265:05:	3997.28	364	175	199	60.442153	-146.777682
1095743519 2004+265:05:11:59					60.446129	-146.777316
1095744299 2004+265:05:	3998.21	531	175	365	60.46294	-146.775799
1095744622 2004+265:05:	3998.51	604	176	438	60.469727	-146.775196
1095746258 2004+265:05:	4000.1	896	176	730	60.505043	-146.771964
1095747934 2004+265:06:	4001.96	1247	177	1081	60.541718	-146.768574

Notes	Cruise	Region	Guns	#	Press.	Sht. Spacing	SI	Ch.	AC
Initial Entry	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
setting up for start of line. heading north along line track and testing the system.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Start Gun 1	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
still testing. streamer not listening.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Still testing. Guns are firing - streamer not listening.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
beginning turn	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
guns shut off	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
in turn 1 gun firing	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
800 m from start of line 1 gun in	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
start of line	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Injector not firing... May have no headers in first 15 shots. First usable tape.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
both guns firing generator and injector	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Online shooting, no problems.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
MAKING TURN WIDE DUE TO FISHING GEAR 70 M WATER	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
GN COMPUTER HUNG	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
MISSED 7 SHOTS	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
GUN COMPUTER DOWN AROUND SHOT 250. SNAGGED FISHING GEAR AR	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
GUNS OFF, LOST TOO MUCH OF LINE, SO CIRCLING BCK to GET Back on line	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Not shooting	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Heading north and testing guns, ETA to starting point about 45 minutes	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
testing guns, heading north to begin line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Ship turning to reach start of line	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
SOL, 1 gun firing	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
firing 2 guns	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
trace channel 48 is not recording data	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
continuing shotline, 1 gun may be firing at slightly different time than the second gun	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
missed maybe 4 shots between 268-277.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
guns are now synched in offset	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
continuation of shotline	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
shots 449-456 have no headers	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
continue shot line. Problems with bubble misfire began about 10 minutes ago.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Ship slowing down to avoid vessel traffic	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
wave in the streamer. Bubble error continues after every 4 or 5th shot.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
streamer is at even depth in the water	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Continue along line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
Shots skipped order on the gradual turn 773 and 777	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
End of tape 14. Tape changed.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
All is well...although gun timing a bit off	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
All is well.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
All is going according to plan.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1
End of Line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	60	1

1 gun firing	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
sitka slope, seas a bit rough will start on line 1	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
finished turn, both guns now firing	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
ship turning, both guns firing	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
first shot however shots not receiving nav	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
stopped recording data	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Last recorded file. Restarted Syntrak.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Started Recording again	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
now running ok	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
deepening streamer to 4 m due to wave noise	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
streamer depth returned to 3 m depth due to lack of improvement in data quality	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
continuation of shot line, data noisy because of weather/sea conditions	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
in run out	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
EOL	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
turning to port to reach next shot line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
half way through turn to reach start of line GOA0702	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Both guns in water and firing.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
SOL	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
First 60 shots were bad. Restarted syntron to fix...	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Data is noisy and the streamer has a bubble in the middle.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
30 minutes.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
EOL	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Gun 1 Started.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Gun 2 now firing	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
SOL	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Bird 4 is at 4m amd open cycling since sol	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
all birds behaving	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
all is well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Channel 48 coninues noisy	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All well, Ch 48 still poor signal	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All OK	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Misfire on gun #1 on 648	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All OK	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Change tape	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Entering Ic y Strait and getting swell with aft end of stream getting noisy	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Out in Sound near end of line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
EOL	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Gun computer needed rebooting.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Ship turning to position for shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
One gun is on.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1

SOL and both guns are firing.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
channel 48 still bad.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Increasing speed to 5 knots.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Increasing speed slightly to 5.5 knots to try to bring up streamer slightly. It was rid	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
streamer depth now at acceptable depth and in line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuation of shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
EOT 34	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuation of shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Hydrosweep is getting bad Nav. data because GP-04 is offline.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
GP-04 is back online. Hydrosweep is recording. Seismic system continues to op	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Previous problem was actually with the Inertial Navigation System.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Continuing along line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Tape change. End of reel 35.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Continuing along line. All systems operating as expected.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Change tape: 36 end, 37 start All's well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
all's well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All's well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
End of tape 37, start 38 All's well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All's well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Veered off the navigational line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Still veered off the navigational line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Missed a way point therefore off navigational line by ~650m	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Now back on the expected navigational line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
farthest birds falling below zone of tolerance	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
backmost bird still below tolerance but otherwise fine	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
all birds back in tolerance; previously logs identified backmost birds in error, shou	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
end of tape 38, beginning tape 39	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well!	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well!	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well!	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All remains well!	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
end of tape 39, begin tape 40	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
end of line, pulling in port gun	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
end of tape #40	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
turning to port, heading to line 1502	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
turning to port, towards next line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1

start of line, 1 gun firing	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
both guns now firing	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
A OK	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
peachy keen.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
60m off line, shot 513 skipped	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
637 and 638 were very close to each other	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
seismics are splendid	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
end of tape	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
ending line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
end of tape	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Gun 1 Firing.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
SOL	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Gun 2 Firing.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Shot 328-329 missed.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
About 1/2 way thru 90 degree turn. Birds riding slightly low, then slightly high.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All's well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Doing suouer well	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
ok	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
EOT 43 Missed 3 shots 1057-1059, file 729-730 due to overwriting tape 44 Now on	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Entering Muir Basin VII, all ok	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
In Muir basin IX, just completed very minor bend	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All ok - Muir BASIN X	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
OUT OF muir basin x all ok	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
EOT	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well...	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
end of shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
MMO started observing at 08:08 and can observe safety zone for depths > 100m	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Begin recording. One gun firing.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Gun 2 Firing.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Debating what to do about the 1st6 channels being dead. Decided to finish line a	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
all OK with 6 channels out	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
EOT	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
change tape from #49 to 50	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
OK	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Propulsion system down, navigation off course	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
propulsion now back on	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
change tape 50 to tape 51; both guns down to detangle cables	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
ending line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1

Don't know ending Shot# or File#. Propulsion went down. Tape ejected without	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Making the turn to get back onto a new line after solving the propulsion failure pro	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
both guns are now on.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
started a new line	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
started line with a round-number tape: #60. All appear well again.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
All is running well.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
First shot on new line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
EOT	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of Line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
dall's porpoise, shut down guns.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
One gun ow firing...porpoises left the area at 16:39.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
SOL, both guns firing	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Tail end of streamer noisy due to turn...	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
change tape 63 to 64 problem in file and shot numbers on label for tape 63	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
all's well mate	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Change tape 64 to 65. All is well.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
All iswell...	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Same mild low frequency noise. Channel 48 still bad.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
EOT reel 65 start of reel 66	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Far off set traces are noisier	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
one gun didn't fire for two shots	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
guns turned off Marine mammal shutdown	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
still shutdown	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
one gun now firing	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
end line around 21:45. last good shot around 21:18. EOT 66 begin tape 67	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
start of line. one gun firing.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
both guns now firing	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
all same	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
peachy keen	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
all well	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
EOT 67 start of tape 68	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
guns off - Marine Mammals stoped guns	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
starboard gun firing	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
85 shots missed during shutdown	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
end of tape	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
1 gun still firing	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
turning off gun firing, and turning on other gun	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1

both guns firing	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
nearing end of line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
End of line	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
end of tape 69 Note that line number has not changed	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
Making Turn. Gun 2 Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
on line GOA7 site 1 gun firing	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
both guns firing	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
aft end still noisy	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
last 25 m spaced shot was 206 - delete all data from 206 back ist good shot was :	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
data has cleaned up	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
on line, both guns firing ok slightly noisy	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Problems with our inertial system caused ship to drift west of our planned shot line	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape, from shot 191-660, files 1-365.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continuing to correct ship's route to resume planned shot line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Back on planned shot line route.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 71. shots 661-1025, files 366-730.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 72. Shots 1026-1390, file 731-1095.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continuation of shot line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 73, shots 1391-1755, files 1096-1460. Continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape. Shots 1756-2120, files 1461-1825.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of shot line. A few shots at end may have been with only one gun. End of tape	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SOL	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Only one gun fired. Missed one shot.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All is well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape #76. Tape changed to #77.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All is well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Change tape 77 to 78; all's well	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All's well	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Change tape 78 to 79, all's well	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
all's well	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continous noise in the far offsets. probably source noise from previous shot.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Changed tape 80 to 81; all OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 81, SOT 82; all OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SeisNet having problems. Rebooted PC.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SeisNet Shots 2658-2715 Missed Due to Reboot. Recover from Tape.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All is well!!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1

end of tape 83, beginning of tape 84	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All is well!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 84, beginning of tape 85	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All is well!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 85, beginning of tape 86	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
A-ok!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
A-ok!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
A-ok!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 87, beginning of tape 88	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
mammal observed, guns disabled	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
slowing down to 4 knots	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
resume shooting. 1 gun firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
resume the line	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
A ok	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
speed back up to 4.5	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 88.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
seismics are splendid.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 89. Things are just dandy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
peachy keen.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape #90.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Mammal Observation. Shutdown Gun 1 during transit to GOA2003.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Gun 1 Firing again.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SOL GOA2003	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
At planned SOL and tail of streamer is now quieter. Perhaps just process from here	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
The line number was not changed at SOL of this line. This line is GOA2003.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All is well...note line name	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 91, SOT 92, all OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 93, SOT 94, all OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 94, SOT 95, all OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
No problems.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 95 start of tape 96	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
all is well	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 96 start of tape 97	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of line	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 97	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Deployed and one gun firing..	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
completed ship's turn and are preparing to start guns.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
second gun is now firing.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1

shot line begins.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuation of shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Problem with first bird rising to surface, got noisy signal for several shots. Now bir	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuation of shot line. Trying to resolve problem of birds staying at proper dept	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuation of shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuation of shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
End of tape 97, shot 2220 to 1123, file 2191 to 728.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
continuation of shot line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
All is well. Continue on line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Continue on line. Note: As of today, channel 48 is fixed.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Shots in the mid-1680's may have bad navigation associated with them.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Shots started missing at 1705. Coninued missing shots.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Lost line GOA2101. Restarted as line GOA2101C.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Continuing along line.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Changed tape from 00 to 01.	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
SHOT 295 IS THE LAST GOOD SHOT ON THE LINE. FILE NUMBER FOR THA	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
EOL GOA2101C	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
The line ended before it was planned because of the compressors overheating. 1	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	60	1
Streamer being deployed.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Gun 1 Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Ship about to turn to begin line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SOL, both guns firing, streamer straight.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Streamer center is noisy, possibly due to currents.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continuing shot line	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
only one gun fired on this shot.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 02, shots 152 to 516, files 1 to 365.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 03, shots 517-881, files 366-730.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continuing shot line	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continuing shot line	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 04, shots 882-1246, files 731-1095.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All is well. Continuing along line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 05 that contains shots 1247-1611 and files 1096-1460.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Continue on line. All is well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Change tape. Tape 06 has shots 1612 to 1976 and files 1461-1825.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Continuing along line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 07. This tape contains shots 1977-2341 and files 1826-2190.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Continuing along line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 08. This tape contains shots 2342-2706 and files 2191-2555. All is w	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
The center streamer is no longer noisier than the rest of the data in the streamer.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1

Continuing along line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 09. This tape contains shots 2707 to 3071 and files 2556 to 2920.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Continue on line. All is well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 10. Tape 10 includes shots 3072-3436 and files 2921-3285.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
thirty minute log entry. Changed shot rate from 25 to 12.5m	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of Tape 112	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 113	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of line and end of tape 114	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Finished Transit. Gun 2 Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Start of Line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Streamer is noisy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
a-ok!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 115, beginning of tape 116	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
a-ok!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 116, beginning of tape 117	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
continues to be ok	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 117, beginning of tape 118	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
all ok!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 118, beginning of tape 119	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
still just fine!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape 119, beginning of tape 120	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
seismics are splendid	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape #120, everything is peachy keen.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
things are just dandy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape #121, things are fine.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
A-OK.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape #122, all's well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
goody goodness	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of line, end of tape #123	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
turning	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
both guns firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
start of line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
all's well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
one gun firing	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 24, SOT 25, all OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Alls well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 25, SOT 26, all ok	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Only one gun fired	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1

EOL GOA2501	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
SOL GOA2502	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
EOT 127, SOT 128 record noisy due to heading seas.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Bubble in the streamer	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
peachy	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
EOT 28. Start of tape 29	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
bueno	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
EOT 129. Start of tape 130.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
end of line. one gun.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
EOT 130 start of tape 131. still one gun	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Turning. One gun still firing.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
still turning. still one gun.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Both guns firing	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
start of new line. both guns firing.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
MMO shutdown.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
one gun firing after MMO shutdown	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
both guns firing...	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
all is well	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
EOT 131. start of tape 132.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
bueno	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
end of tape	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
EOT shots 1416-1780, files 1096-1460	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Last file and shot on tape 135 Tape changed	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
last shot and file on rape 136; tape then changed	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
EOT shots 2511-2875, files 2191-2555	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
End of shot line, ship turning to align for next line.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
End of tape 138. Label machine failed, so label was written by hand. Tape covers	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Ship turning to begin new shot line.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
completing turn to reach beginning of new shot line.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Gun two in water and has commenced firing. Streamer is running a bit low.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Shot line has commenced.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
end of tape 139, shots 150-514, files 1 -365. Also, MMO reports Dall porpoises ir	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
MMO reports marine mammals no longer in sight.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
End of tape 140. Shots 515-879, files 366-730.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1

continuing shot line	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
End of tape 141. shots 880 to 1244, files 731-1095.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Guns off, end of line 1399, 450 file	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
End of tape 142, shots 1245 to 1399, files 1096-1250.	EW0408	Gulf of Alaska	GI	2	2000	12.5m	1ms	120	1
Gun 1 Firing.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
SOL	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
streamer is noisy.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Hydrosweep is out.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
hydrosweep recording again	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of tape 143, shots 16-197, files 1 to 182. Note previous entries listed tape nu	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
continuing shot line	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
EOL. Turning to starboard to begin new line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of tape 144. Shots 198-334, files 183-319.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
turning towards beginning of new shot line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Still in turn towards new shot line	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
both guns now firing, on run in to new shot line	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
SOL. Skipped a reel number due to user error ...just a numbering issue.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
continuing shot line. Correct tape number is 146.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of tape 146. Printer incorrectly labelled tape as 44. Hand corrected number to	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
continuing shot line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of tape 147	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
continuation of shot line	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Continuing along line. All is well.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of tape 48. This tape contains shots 438 to 619 and files 365 to 546.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
All is well. Line ends in 25 shots.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of tape 149. Tape contains shots 620 to 801 and files	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
EOL. Tape 150 contains shots 802 to 818 and files 729 to 745.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Gun 1 Firing.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
both guns firing	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
start of line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
things are just dandy.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
EOT. Shots 40-221, File 1-182.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
end of line.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
EOT #153, shots 222-290, files 183-251.	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Start of line GOA 3202	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
Lots of low freq noise	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
end of tape shots 76- 257, files 1-182	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
all ok	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of Tape Shots: 258-439 Files: 183-364	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
OK	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1
End of line and survey at GOA 16	EW0408	Gulf of Alaska	GI	2	2000	25m	1ms	120	1

End of tape. Shots: 440-517; Files: 365-442	EW0408	Gulf of Alaska	GI	2	2000 25m	1ms	120	1
0703 MMO started observation.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Gun 1 Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
GOt the OK to start gun 2 first shot on the second gun on 3737.77	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SOL GoA3002, first shot 32	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Beaut	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EoT 57 SoT 58	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Name of survey needs to be changed in earlier entries	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EoT 58, SoT 59, beauty mate	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
She's beauty	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EoT 59, SoT 60	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Beauty boy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EoT 60, SoT 61	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
ok	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EoT 61, SoT 62	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of Line GOA3002.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
1 Gun Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
MMO	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Gun 1 Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
gun 2 firing	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
start of line	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
offsets are noisy	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
far offsets are now cleaner.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
just dandy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
end of tape #163 shots 97-461, files 1-365	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
seismics are splendid	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
end of tape #164. shots 462-826, file 366-730.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
peachy keen	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
end of tape # 165. shots 827-1191, file 731-1095.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
A OK	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
MMO Shutdown	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
still shut down... silly porpoises.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
one gun now firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
shut down again!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
end of tape, end of line. last good shot 1517, file 1421.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	164
Gun 1 Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SOL	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Back half of the streamer is unstable and noisy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Streamer appears to be settling down and the data is less noisy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Tape 167 contains SOL with shots 229-593 and files 1 to 365.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Bubble in the streamer began at about shot 760, file 532. Asked the bridge to stop	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Streamer is even in the water. Appears to be riding well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1

End of tape 168. This tape contains shots 594-958 and files 366-730. Back half c	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Line continues. Streamer has flattened out.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOL, starboard gun pulled after last shot to turn.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of tape 169. This tape contains shots 959 to 1240 and files 731 to 1000.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
turn ended both guns firing	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SOL GoA2902	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Noisy record due to waves.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Record still a bit noisy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EoT 170 SoT 171. Record still noisy.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
All OK, Still noisy record	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EoL GoA2902.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EoT 171	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Gun 1 Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Gun 2 Firing.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Start of Line.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Streamer quieting down near tail. Otherwise all is well.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
END OF TAPE: SHOTS 101-465, FILES 1-365 THEN CHANGED TAPE	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
EOT 173 SHOTS 466-830 FILES TO 730	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
END OF LINE, end of tape, 1 shot (831)	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
in turn 1 gun firing	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
can on streamer is out. Being pulled in and serviced	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
ending turn putting 2nd gun back in water	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
SOL Missing several shots due to going too fast	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Slowed down enough to stop missing shots, we will ditch shots before 184	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Now moving too slowly and thus streamer around 10 m from center to end.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Shot 377 missed	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of Tape.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
Tail of streamer still low. Full freq only near 3 birds	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of Tape.	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1
End of Line. End of Cruise. Yeah!	EW0408	Gulf of Alaska	GI	2	2000 12.5m	1ms	120	1

Cse	Spd	CBD	Gravity	AirT	wpsd	wdir	Survey	Line Name	
	332.3	4.1	194.51	981692.4	16.5	4.2	159 BAR-9 Outer Sitka Sound		EOL
	335.7	4.2	66.61	981710.8	16.3	4.3	155 BAR-10 Outer Sitka Sound		EOL
	355.1	4.8	49.81	981707	16.2	5	176 BAR-10 Outer Sitka Sound		EOL
	355.1	4.5	52.71	981707.2	16.2	4.6	176 BAR-9 Outer Sitka Sound		EOL
	31.8	4.7	172.51	981690.1	16.3	4.7	212 BAR-9 Outer Sitka Sound		EOL
	43	4.5	184.91	981691.5	16.2	4.3	211 BAR-9 Outer Sitka Sound		EOL
	74.8	4.1	106.51	981685.9	15.9	4.1	278 BAR-9 Outer Sitka Sound		EOL
	357.7	4	88.11	981697.7	16.2	4.2	197 BAR-9 Outer Sitka Sound		EOL
	217.5	4.8	66.31	981724.3	16	4	47 BAR-9 Outer Sitka Sound		EOL
	219.3	4.7	158.81	981714.8	16.1	4.7	40 BAR-9 Outer Sitka Sound	GOA1101	EOL
	220	4.4	168.61	981714.2	16	4.5	40 BAR-9 Outer Sitka Sound	GOA1102	EOL
	217.7	4	185.71	981714.4	16	4.3	41 BAR-9 Outer Sitka Sound	GOA1102	EOL
	217.5	4.2	179.61	981711.7	15.9	4.6	39 BAR-9 Outer Sitka Sound	GOA1102	EOL
	212.3	4.5	91.31	981712	15.8	4.2	38 BAR-9 Outer Sitka Sound	GOA1102	EOL
	215.3	4	68.61	981714.2	15.6	4.3	36 BAR-9 Outer Sitka Sound	GOA1102	EOL
	215	4.3	66.51	981715.3	15.6	4.3	35 BAR-9 Outer Sitka Sound	GOA1102	EOL
	186.8	4.4	58.31	981716.2	14.8	4.3	26 BAR-9 Outer Sitka Sound	GOA1102	EOL
	165.1	4.1	50.81	981704.2	15	3.9	345 BAR-9 Outer Sitka Sound		EOL
	11.8	4.1	54.21	981698.4	16.1	3.3	214 BAR-9 Outer Sitka Sound		EOL
	357.5	4.7	49.11	981707.5	15.3	4.6	177 BAR-9 Outer Sitka Sound		EOL
	359.5	4.6	60.31	981709	15.4	4.5	176 BAR-9 Outer Sitka Sound		EOL
	95.8	4	56.71	981692.4	15.7	4.2	256 BAR-9 Outer Sitka Sound		EOL
	192.3	4.6	153.41	981701.8	16	3.3	358 BAR-9 Outer Sitka Sound	GOA1103	EOL
	218	4.1	179.81	981711.8	15.9	4.3	39 BAR-9 Outer Sitka Sound	GOA1103	EOL
	209.5	4.1	105.11	981712.8	15.6	4.3	37 BAR-9 Outer Sitka Sound	GOA1103	EOL
	176.8	3.9	60.31	981710.9	15.3	3.9	3 BAR-9 Outer Sitka Sound	GOA1103	EOL
	176.5	4.5	52.01	981708.7	15.5	4.3	358 BAR-9 Outer Sitka Sound	GOA1103	EOL
	174.8	4	47.81	981708.3	15.8	3.9	354 BAR-9 Outer Sitka Sound	GOA1103	EOL
	176	4.1	54.11	981706.7	15.3	4.4	358 BAR-9 Outer Sitka Sound	GOA1103	EOL
	154	4.4	76.61	981699.6	15.9	4.3	334 BAR-9 Outer Sitka Sound	GOA1103	EOL
	153.8	4.2	124.21	981693.9	16.2	4.3	334 BAR-9 Outer Sitka Sound	GOA1103	EOL
	153	3.1	123.51	981697.4	16.3	3.3	333 BAR-9 Outer Sitka Sound	GOA1103	EOL
	155.1	3.6	141.11	981697.8	16.3	2.8	333 BAR-9 Outer Sitka Sound	GOA1103	EOL
	159.8	4.3	121.31	981699.3	16.4	4.2	340 BAR-9 Outer Sitka Sound	GOA1103	EOL
	159.5	4.6	131.41	981699.1	16.4	4.1	340 BAR-9 Outer Sitka Sound	GOA1103	EOL
	183	4.3	190.21	981705.7	16.5	4.3	355 BAR-9 Outer Sitka Sound	GOA1103	EOL
	199.5	4.5	106.81	981711.3	16.7	4.3	18 BAR-9 Outer Sitka Sound	GOA1103	EOL
	198	4.3	65.11	981715.2	16.7	4.4	19 BAR-9 Outer Sitka Sound	GOA1103	EOL
	248.1	4.3	80.51	981726.7	16.6	4.2	68 BAR-9 Outer Sitka Sound	GOA1103	EOL
	248	4.5	103.61	981705.3	16.4	4.6	68 BAR-9 Outer Sitka Sound	GOA1103	EOL
	246.5	4.1	126.71	981728.8	16.2	4.5	68 BAR-9 Outer Sitka Sound	GOA1103	EOL

253.3	4.9	1706.21	981649.5	16.8	4.6	51 BAR-5 Sitka Slope		EOL
267.5	3.7	1726.11	981653.5	16.8	3	83 BAR-5 Sitka Slope		EOL
239.1	4.2	1757.91	981647	16.8	3.8	44 BAR-5 Sitka Slope		EOL
242.3	4.6	1750.91	981651.9	16.8	3.7	59 BAR-5 Sitka Slope		EOL
237.1	3.8	1774.81	981660.9	16.8	4	56 BAR-5 Sitka Slope	GOA0701	EOL
229.8	3.8	1718.11	981653	16.8	4.7	48 BAR-5 Sitka Slope	GOA0701	EOL
226.7	4.6	1690.31	981649.9	16.8	4.1	48 BAR-5 Sitka Slope	GOA0701	EOL
228.3	4.1	1697.31	981651.4	16.8	4.6	48 BAR-5 Sitka Slope	GOA0701	EOL
228	4.5	1634.81	981647.6	16.8	4.3	47 BAR-5 Sitka Slope	GOA0701	EOL
226.5	4.7	1631.81	981649.8	16.8	4.2	47 BAR-5 Sitka Slope	GOA0701	EOL
225.7	3.4	1632.81	981647.5	16.8	3.9	50 BAR-5 Sitka Slope	GOA0701	EOL
228.1	3.9	1602.01	981652.4	16.7	4.9	46 BAR-5 Sitka Slope	GOA0701	EOL
230.8	3.8	1638.71	981651	16.7	4.3	50 BAR-5 Sitka Slope	GOA0701	EOL
225.5	4.6	1661.51	981651.5	16.7	4.5	47 BAR-5 Sitka Slope	GOA0701	EOL
226.1	4.8	1677.41	981646.6	16.7	4.3	47 BAR-5 Sitka Slope	GOA0701	EOL
166.3	4.7	1724.11	981639.8	16.7	4.9	2 BAR-5 Sitka Slope		EOL
85.1	4.1	1714.11	981615.6	16.8	4.5	266 BAR-5 Sitka Slope		EOL
315.7	4.7	1610.91	981645.5	16.7	4.5	137 BAR-5 Sitka Slope		EOL
314.8	5.2	1634.81	981646.4	16.7	4.3	132 BAR-5 Sitka Slope	GOA0702	EOL
311	4.2	1658.61	981647	16.7	4.6	132 BAR-5 Sitka Slope	GOA0702	EOL
313.1	4.8	1617.91	981650.8	16.7	4.4	134 BAR-5 Sitka Slope	GOA0702	EOL
313	4.6	1934.91	981647.3	16.4	4.6	134 BAR-5 Sitka Slope	GOA0702	EOL
315	4.2	1994.71	981649.2	16.4	4.7	136 BAR-5 Sitka Slope	GOA0702	EOL
318.3	3.6	152.91	981785.9	12.7	3.3	138 JUN-2 Lisianski Inlet		EOL
319.5	4.5	143.41	981787.4	12.7	4.1	139 JUN-2 Lisianski Inlet		EOL
318.8	4.6	142.61	981788.6	12.7	4.4	140 JUN-2 Lisianski Inlet	GOA1401	EOL
321.8	4.3	151.41	981790.6	12.6	4.4	139 JUN-2 Lisianski Inlet	GOA1401	EOL
317.1	4.3	157.61	981790.2	12.4	4.5	140 JUN-2 Lisianski Inlet	GOA1401	EOL
320.8	4.4	159.11	981791.4	12.8	4.4	140 JUN-2 Lisianski Inlet	GOA1401	EOL
324	4.2	143.81	981794.4	12.7	4.4	144 JUN-2 Lisianski Inlet	GOA1401	EOL
321.1	4.2	161.21	981791.3	12.6	4.4	143 JUN-2 Lisianski Inlet	GOA1401	EOL
313.5	4.8	215.61		12.5	4.8	144 JUN-2 Lisianski Inlet	GOA1401	EOL
311.1	4.7	208.81	981789.8	12.8	4.7	129 JUN-2 Lisianski Inlet	GOA1401	EOL
317.8	5.1	190.71	981785.9	12.8	4.8	140 JUN-2 Lisianski Inlet	GOA1401	EOL
313.5	4.6	223.11	981786.5	12.7	4.6	133 JUN-2 Lisianski Inlet	GOA1401	EOL
329.5	4.2	215.91	981784.8	12.6	4.3	150 JUN-2 Lisianski Inlet	GOA1401	EOL
329.3	4.5	270.01	981779.8	12.8	4.3	150 JUN-2 Lisianski Inlet	GOA1401	EOL
335.5	4.2	319.61	981772.9	12.8	4.3	150 JUN-2 Lisianski Inlet	GOA1401	EOL
344.1	4.1	323.61	981772	12.8	4.3	150 JUN-2 Lisianski Inlet	GOA1401	EOL
314.3	4.1	198.41	981778.7	11.5	4	151 JUN-4 Taiya Inlet		EOL
223	4.1	243.81	981782.7	11.4	3.9	57 JUN-4 Taiya Inlet		EOL
189.8	4.6	240.31	981776.3	11.4	5.2	19 JUN-4 Taiya Inlet	GOA1501	EOL

160.5	5.1	242.21	981763.5	11.4	5	341 JUN-4 Taiya Inlet	GOA1501	EOL
159.5	4.4	240.71	981763.1	11.4	4.9	347 JUN-4 Taiya Inlet	GOA1501	EOL
159	4.3	242.21	981763.4	11.3	4.6	338 JUN-4 Taiya Inlet	GOA1501	EOL
158.1	4.8	250.11	981759.6	11.3	5.1	339 JUN-4 Taiya Inlet	GOA1501	EOL
156.5	4.8	260.51	981757.7	11.3	4.9	336 JUN-4 Taiya Inlet	GOA1501	EOL
156	5.7	267.61	981753.7	11.4	5.5	336 JUN-4 Taiya Inlet	GOA1501	EOL
154.7	5.5	283.41	981753	11.4	5.5	335 JUN-4 Taiya Inlet	GOA1501	EOL
180.1	5.4	267.81	981761.9	11.4	5.5	360 JUN-4 Taiya Inlet	GOA1501	EOL
178.8	4.9	257.21	981766.7	11.4	5.2	359 JUN-4 Taiya Inlet	GOA1501	EOL
177.8	5.1	262.61	981764.8	11.4	5.2	358 JUN-4 Taiya Inlet	GOA1501	EOL
144	5.7	261.31	981749.3	11.4	5.5	324 JUN-4 Taiya Inlet	GOA1501	EOL
149.1	5.6	285.61	981748.4	11.6	5.5	331 JUN-4 Taiya Inlet	GOA1501	EOL
145	5.6	297.91	981746.6	11.4	5.4	325 JUN-4 Taiya Inlet	GOA1501	EOL
143.1	5.8	299.41	981745	11.5	5.7	326 JUN-4 Taiya Inlet	GOA1501	EOL
173.5	5.9	305.41	981755.6	11.7	5.6	355 JUN-4 Taiya Inlet	GOA1501	EOL
174	5.8	304.01	981752	11.8	5.7	354 JUN-4 Taiya Inlet	GOA1501	EOL
170.8	5.4	306.31	981750	11.9	5.4	353 JUN-4 Taiya Inlet	GOA1501	EOL
171.3	5.1	374.41	981746.9	12.1	5.2	351 JUN-4 Taiya Inlet	GOA1501	EOL
157.8	5.3	391.71	981742.5	12.1	5.2	348 JUN-4 Taiya Inlet	GOA1501	EOL
152.1	5.6	413.31	981741.5	12	5.4	337 JUN-4 Taiya Inlet	GOA1501	EOL
155.8	5.9	446.51	981739.8	11.8	5.8	333 JUN-4 Taiya Inlet	GOA1501	EOL
166.7	5.3	454.71	981737.3	11.8	5.2	347 JUN-4 Taiya Inlet	GOA1501	EOL
170.5	5.5	586.11	981728.9	11.7	5.7	351 JUN-4 Taiya Inlet	GOA1501	EOL
165.3	5.6	589.31	981727.1	11.9	5.4	346 JUN-4 Taiya Inlet	GOA1501	EOL
167.8	5	507.71	981731	12	5.6	348 JUN-4 Taiya Inlet	GOA1501	EOL
158.8	5.4	600.91	981723.3	11.8	5.3	338 JUN-4 Taiya Inlet	GOA1501	EOL
159.8	5.7	599.31	981720.6	11.9	5.5	342 JUN-4 Taiya Inlet	GOA1501	EOL
173.1	5.4	597.21	981720.2	11.9	5.5	342 JUN-4 Taiya Inlet	GOA1501	EOL
172.5	5.4	607.11	981722.7	11.9	5.1	2 JUN-4 Taiya Inlet	GOA1501	EOL
160.8	5	611.41	981721.2	11.9	5.2	357 JUN-4 Taiya Inlet	GOA1501	EOL
152.1	5.4	628.91	981714.4	11.9	5.5	335 JUN-4 Taiya Inlet	GOA1501	EOL
151.8	5.5	657.61	981711.9	11.8	5.5	331 JUN-4 Taiya Inlet	GOA1501	EOL
155.8	5.4	692.91	981712.1	11.7	5.4	333 JUN-4 Taiya Inlet	GOA1501	EOL
161	5.6	940.11	981711.7	11.6	5.9	341 JUN-4 Taiya Inlet	GOA1501	EOL
157.8	5.1	596.21	981710	11.4	5.3	339 JUN-4 Taiya Inlet	GOA1501	EOL
158.7	4.5	622.51	981709.4	11.8	4.7	342 JUN-4 Taiya Inlet	GOA1501	EOL
161.7	4.6	632.21	981706.3	11.1	4.8	342 JUN-4 Taiya Inlet	GOA1501	EOL
161.8	4.7	613.91	981705.6	11.1	4.4	341 JUN-4 Taiya Inlet	GOA1501	EOL
152	4.5	608.91	981705.8	10.8	4.7	341 JUN-4 Taiya Inlet	GOA1501	EOL
120	4.5	634.11	981701.7	11	4.5	317 JUN-4 Taiya Inlet	GOA1501	EOL
18	4.3	426.61	981716.4	11.6	4.4	198 JUN-4 Taiya Inlet		EOL
22.1	4.4	428.61	981724.8	11.5	4.4	200 JUN-4 Taiya Inlet		EOL

264.7	4.5	441.71	981748.5	11.6	4.4	85 JUN-4 Taiya Inlet	GOA1502	EOL
265.8	4.4	449.41	981748.1	11.7	4.5	85 JUN-4 Taiya Inlet	GOA1502	EOL
264.5	4.4	502.91	981743.3	11.5	4.3	84 JUN-4 Taiya Inlet	GOA1502	EOL
266.7	4.4	446.81	981738.5	11.6	4.3	86 JUN-4 Taiya Inlet	GOA1502	EOL
302.1	4.3	340.31	981756.9	11.5	4.3	109 JUN-4 Taiya Inlet	GOA1502	EOL
329	4	428.51	981748.1	11.7	3.9	149 JUN-4 Taiya Inlet	GOA1502	EOL
329.3	4.2	425.81	981747.1	11.8	4.4	148 JUN-4 Taiya Inlet	GOA1502	EOL
324.1	4.6	439.61	981752.3	11.6	4.7	145 JUN-4 Taiya Inlet	GOA1502	EOL
312.1	5.3	444.81	981752.8	11.6	5.1	134 JUN-4 Taiya Inlet	GOA1502	EOL
313.3	5.2	440.61	981753.2	11.6	5.1	134 JUN-4 Taiya Inlet	GOA1502	EOL
117.5	3.9	234.81	981749.9	7.5	3.8	299 GOA-13 Muir Inlet		EOL
109	3.4	228.91	981750.5	7.5	3.6	295 GOA-13 Muir Inlet	GOA1901	EOL
108.1	3.6	229.81	981750.6	7.5	3.6	295 GOA-13 Muir Inlet	GOA1901	EOL
87.5	4	225.81	981750.7	7.7	3.3	277 GOA-13 Muir Inlet	GOA1901	EOL
82.5	4.3	270.01	981747.8	7.5	4.1	262 GOA-13 Muir Inlet	GOA1901	EOL
106.1	4.2	257.41	981748.1	7.2	3.7	277 GOA-13 Muir Inlet	GOA1901	EOL
152.7	4.2	144.31	981757.8	7.4	4.1	334 GOA-13 Muir Inlet	GOA1901	EOL
153	4	252.91	981755.8	7.8	4.3	334 GOA-13 Muir Inlet	GOA1901	EOL
160.1	4.3	227.21	981760.5	7.4	4.1	338 GOA-13 Muir Inlet	GOA1901	EOL
180.8	4.2	230.51	981768.8	7.5	4.3	8 GOA-13 Muir Inlet	GOA1901	EOL
149.8	4.6	228.11		8.1	4.3	321 GOA-13 Muir Inlet	GOA1901	EOL
179.3	4	306.41	981753.2	8.1	3.9	355 GOA-13 Muir Inlet	GOA1901	EOL
174.5	4.3	310.51	981753.9	8.2	4.5	354 GOA-13 Muir Inlet	GOA1901	EOL
187.5	4.8	201.11	981773.9	8.2	4.5	7 GOA-13 Muir Inlet	GOA1901	EOL
188.8	4.8	99.31	981780	8	4.6	9 GOA-13 Muir Inlet	GOA1901	EOL
189.8	4.2	97.21	981780	8	4.4	8 GOA-13 Muir Inlet	GOA1901	EOL
176.3	4.5	103.91	981780.3	8	4.3	357 GOA-13 Muir Inlet	GOA1901	EOL
176.8	4.5	115.01	981781.9	8	4.4	357 GOA-13 Muir Inlet	GOA1901	EOL
226.3	4.3	90.11	981818.8	9.5	4.7	47 GOA-12 Cross Sound		EOL
223.3	4.2	165.71	981827.2	9.6	4.3	44 GOA-12 Cross Sound	GOA1301	EOL
221.5	4.3	191.41	981826.3	9.6	4.4	42 GOA-12 Cross Sound	GOA1301	EOL
223.7	4.6	260.51	981814.9	11.2	4.8	43 GOA-12 Cross Sound	GOA1301	EOL
227.8	4.3	327.81	981776.3	11.7	4.6	48 GOA-12 Cross Sound	GOA1301	EOL
225.7	4.6	380.91	981767	11.8	4.5	46 GOA-12 Cross Sound	GOA1301	EOL
225	4.2	398.11	981765	11.5	4.3	45 GOA-12 Cross Sound	GOA1301	EOL
221.3	4	424.81	981762.3	10.9	4.2	42 GOA-12 Cross Sound	GOA1301	EOL
195	4.4	435.41	981754.4	13.2	4.7	16 GOA-12 Cross Sound	GOA1301	EOL
191.3	4.6	442.21	981756.6	14.8	4.5	13 GOA-12 Cross Sound	GOA1301	EOL
215.1	1.6	438.91	981762.1	14.7	2.5	26 GOA-12 Cross Sound	GOA1301	EOL
240.1	4.5	436.61	981761	14.6	1.1	57 GOA-12 Cross Sound	GOA1301	EOL
240	4.2	436.41	981766.4	14.7	4.2	60 GOA-12 Cross Sound	GOA1301	EOL
239.5	4.1	437.81	981771.2	14.7	4.3	60 GOA-12 Cross Sound	GOA1301	EOL

339.5	3.8	424.31	981774.8	14.6	3.8	141 GOA-12 Cross Sound	GOA1301	EOL
48.8	4.6	434.31	981744.7	14.7	4.7	228 GOA-12 Cross Sound		EOL
193.5	4.5	439.11	981759.8	14.7	4.6	12 GOA-12 Cross Sound		EOL
186.7	4.5	439.71	981760.6	14.7	4.6	12 GOA-12 Cross Sound	GOA1301B	EOL
188.7	4.6	439.91	981760.6	14.7	4.6	7 GOA-12 Cross Sound	GOA1301B	EOL
195	4.6	434.31	981764.8	14.5	4.7	15 GOA-12 Cross Sound	GOA1301B	EOL
194.8	5	429.11	981766.1	14.6	4.8	15 GOA-12 Cross Sound	GOA1301B	EOL
196.5	4.6	414.81	981762.8	14.8	4.8	17 GOA-12 Cross Sound	GOA1301B	EOL
197	5.1	383.11	981761.3	15.1	4.8	17 GOA-12 Cross Sound	GOA1301B	EOL
196.8	5.1	372.31	981761.4	15	4.8	17 GOA-12 Cross Sound	GOA1301B	EOL
21.8	5.1	358.91	981746.3	15	4.6	204 GOA-12 Cross Sound		EOL
326.8	4.4	420.31	981767	14.8	4.5	147 GOA-12 Cross Sound		EOL
48.5	4.5	424.01	981749.8	14.7	4.4	219 GOA-12 Cross Sound	GOA1302	EOL
49	4.5	425.11	981747.9	14.8	4.4	229 GOA-12 Cross Sound	GOA1302	EOL
48.1	4.4	438.21	981745	14.6	4.4	229 GOA-12 Cross Sound	GOA1302	EOL
47.1	4.5	444.31	981738.1	14.8	4.5	227 GOA-12 Cross Sound	GOA1302	EOL
48.1	4.2	443.41	981735.4	14.8	4.3	228 GOA-12 Cross Sound	GOA1302	EOL
48.3	4.6	428.71	981734.5	14.5	4.7	229 GOA-12 Cross Sound	GOA1302	EOL
49.3	4.9	417.71	981735.1	14.5	4.4	229 GOA-12 Cross Sound	GOA1302	EOL
47.8	5.1	378.01	981739.2	14.3	4.9	228 GOA-12 Cross Sound	GOA1302	EOL
49.3	4.7	344.11	981760.3	9.9	4.8	230 GOA-12 Cross Sound	GOA1302	EOL
47.5	4.9	321.91	981772.7	10.1	4.7	229 GOA-12 Cross Sound	GOA1302	EOL
46	4.7	256.31	981788.3	10.4	4.7	227 GOA-12 Cross Sound	GOA1302	EOL
46.3	4.7	242.81	981791.9	10.3	4.8	227 GOA-12 Cross Sound	GOA1302	EOL
47.5	4.9	245.81	981792.3	9.8	5	227 GOA-12 Cross Sound	GOA1302	EOL
47.8	5	243.81	981792.6	9.7	5	227 GOA-12 Cross Sound	GOA1302	EOL
316.8	4.6	284.51	981818.9	9.5	5.1	128 GOA-12 Cross Sound	GOA1302	EOL
276.8	5.2	253.91	981820.1	9.5	5	124 GOA-12 Cross Sound	GOA1302	EOL
226.1	4.4	263.21	981819.5	10.1	3.8	67 GOA-12 Cross Sound	GOA1302	EOL
230.7	4.4	282.21	981816	10.3	4.6	51 GOA-12 Cross Sound	GOA1303	EOL
231	4.7	286.21	981810.2	10.4	4.6	51 GOA-12 Cross Sound	GOA1303	EOL
231.5	4.4	303.81	981812.9	10.6	4.2	52 GOA-12 Cross Sound	GOA1303	EOL
228.8	4.3	370.31	981779.6	10	4.4	49 GOA-12 Cross Sound	GOA1303	EOL
224.1	4	398.01	981766.4	9.8	4.1	45 GOA-12 Cross Sound	GOA1303	EOL
224.1	4	398.61	981765.9	9.8	4	44 GOA-12 Cross Sound	GOA1303	EOL
226.5	4.1	428.61	981760.5	12.9	3.8	46 GOA-12 Cross Sound	GOA1303	EOL
224.1	4	440.01	981761.4	14.6	4	46 GOA-12 Cross Sound	GOA1303	EOL
224.3	3.8	440.91	981761.1	14.8	3.1	42 GOA-12 Cross Sound	GOA1303	EOL
224	3.8	443.01	981761.6	14.8	3.5	43 GOA-12 Cross Sound	GOA1303	EOL
223	4.3	441.11	981765.2	14.7	4.1	44 GOA-12 Cross Sound	GOA1303	EOL
228.5	4.2	438.11	981766.4	14.5	4.2	45 GOA-12 Cross Sound	GOA1303	EOL
227.1	4.1	437.11	981765.2	14.6	4.2	48 GOA-12 Cross Sound	GOA1303	EOL

224.8	4.3	435.31	981768.2	14.9	4.1	45 GOA-12 Cross Sound	GOA1303	EOL
223.3	4.6	425.61	981773	15	4.3	44 GOA-12 Cross Sound	GOA1303	EOL
223.5	4.1	422.61	981773.4	15	4.2	44 GOA-12 Cross Sound	GOA1303	EOL
223.8	4.2	420.91	981774.1	14.9	4.2	44 GOA-12 Cross Sound	GOA1303	EOL
77.7	4.1	76.61	981810.4	12.8	4	247 GOA-7 Malaspina	GOA2001	EOL
203.7	4.7	90.31	981840.4	12.9	4.7	20 GOA-7 Malaspina	GOA2001	EOL
200.8	4.8	98.31	981831.1	13	4.5	18 GOA-7 Malaspina	GOA2001	EOL
199.7	4.7	99.21	981830.2	13	4.6	19 GOA-7 Malaspina	GOA2001	EOL
197.8	4.9	101.61	981829.8	13.2	4.6	20 GOA-7 Malaspina	GOA2001	EOL
200.8	4.8	107.21	981830	13.3	4.6	18 GOA-7 Malaspina	GOA2001	EOL
199.3	4.7	120.61	981829.3	12.9	4.8	19 GOA-7 Malaspina	GOA2001	EOL
201.8	4.4	146.81	981832.2	12.9	4.6	36 GOA-7 Malaspina	GOA2001	EOL
188.8	4.2	152.41	981819.9	12.9	4.4	12 GOA-7 Malaspina	GOA2001	EOL
188.5	4.7	161.11	981828.3	13.1	4.6	9 GOA-7 Malaspina	GOA2001	EOL
194.1	4.5	171.11	981846.7	13	4.4	11 GOA-7 Malaspina	GOA2001	EOL
190.8	4.7	178.11	981831.1	13.2	4.4	12 GOA-7 Malaspina	GOA2001	EOL
189.1	4.2	180.61	981830.7	13.4	4.3	10 GOA-7 Malaspina	GOA2001	EOL
190.8	4.5	180.01	981833.7	13.9	4.2	13 GOA-7 Malaspina	GOA2001	EOL
188.7	4	180.41	981834	14	4.2	10 GOA-7 Malaspina	GOA2001	EOL
194.1	4.3	159.51	981838.2	14.1	4.3	14 GOA-7 Malaspina	GOA2001	EOL
193.1	4	142.41	981840.5	14.3	4	14 GOA-7 Malaspina	GOA2001	EOL
192.3	4	143.41	981841.2	14.4	4	13 GOA-7 Malaspina	GOA2001	EOL
191.5	4.1	129.31	981843.7	14.2	3.8	13 GOA-7 Malaspina	GOA2001	EOL
305.5	3.6	163.81	981835.1	14.4	3.9	125 GOA-7 Malaspina	GOA2002	EOL
307.5	4.4	167.41	981835.7	14.2	4.1	125 GOA-7 Malaspina	GOA2002	EOL
307	4.3	170.71	981838.4	14.3	4.2	126 GOA-7 Malaspina	GOA2002	EOL
305.1	3.9	172.11	981840.3	14.2	4.1	126 GOA-7 Malaspina	GOA2002	EOL
303.3	3.8	175.81	981841.2	14.2	3.9	124 GOA-7 Malaspina	GOA2002	EOL
305.3	4.1	182.21	981843.8	13.9	4.1	125 GOA-7 Malaspina	GOA2002	EOL
302.8	4.3	181.21	981843.3	13.8	4.2	124 GOA-7 Malaspina	GOA2002	EOL
304	4.4	180.01	981844.5	13.7	4.5	124 GOA-7 Malaspina	GOA2002	EOL
304.1	4.2	179.11	981843.9	13.8	4.3	125 GOA-7 Malaspina	GOA2002	EOL
304.1	4.4	179.61	981844.1	13.5	4.2	123 GOA-7 Malaspina	GOA2002	EOL
302.5	4.4	177.01	981844.5	13.4	4.5	123 GOA-7 Malaspina	GOA2002	EOL
303.3	4.6	176.81	981845.8	13.5	4.5	124 GOA-7 Malaspina	GOA2002	EOL
298.7	4.7	172.31	981846.9	13.7	4.5	120 GOA-7 Malaspina	GOA2002	EOL
297	4.3	175.71	981849.6	14	4.5	117 GOA-7 Malaspina	GOA2002	EOL
299.3	4.7	189.91	981849.8	14.8	4.5	120 GOA-7 Malaspina	GOA2002	EOL
302	4.2	193.61	981850.1	14.8	4.6	121 GOA-7 Malaspina	GOA2002	EOL
301.5	4.5	194.81	981849.8	14.8	4.5	122 GOA-7 Malaspina	GOA2002	EOL
301.5	4.7	193.41	981853.8	14.8	4.5	121 GOA-7 Malaspina	GOA2002	EOL
302.3	4.2	209.51	981849.3	14.8	4.3	121 GOA-7 Malaspina	GOA2002	EOL

303.7	4.5	217.51	981849.8	14.7	4.5	123 GOA-7 Malaspina	GOA2002	EOL
309.8	4.2	238.01	981848.8	13.9	4.2	130 GOA-7 Malaspina	GOA2002	EOL
309	4.6	241.01	981859.4	13.7	4.6	130 GOA-7 Malaspina	GOA2002	EOL
314.1	4.6	248.31	981850.5	13.8	4.5	135 GOA-7 Malaspina	GOA2002	EOL
314.1	4.6	250.51	981850.5	13.6	4.6	135 GOA-7 Malaspina	GOA2002	EOL
314.8	4.3	253.81	981851.6	13.6	4.7	134 GOA-7 Malaspina	GOA2002	EOL
312.3	4.9	251.11	981852.5	13.7	4.7	133 GOA-7 Malaspina	GOA2002	EOL
310.8	4.8	249.21	981853.8	13.5	4.6	130 GOA-7 Malaspina	GOA2002	EOL
310.5	4.7	250.31	981855.9	13.5	4.8	130 GOA-7 Malaspina	GOA2002	EOL
310.5	4.4	251.91	981855.7	13.7	4	131 GOA-7 Malaspina	GOA2002	EOL
310	4.1	252.51	981856.5	13.8	4.2	130 GOA-7 Malaspina	GOA2002	EOL
311.1	4.1	249.81	981857.4	13.5	3.6	131 GOA-7 Malaspina	GOA2002	EOL
309.5	4.3	250.51	981857.5	13.2	4.2	130 GOA-7 Malaspina	GOA2002	EOL
309.5	4.3	249.91	981857.7	12.9	4.1	130 GOA-7 Malaspina	GOA2002	EOL
311.1	4.2	248.31	981858.5	13	3.9	130 GOA-7 Malaspina	GOA2002	EOL
310.3	4	249.41	981867.2	13.3	4	130 GOA-7 Malaspina	GOA2002	EOL
309.7	4.1	255.11	981840.2	13.7	4.1	129 GOA-7 Malaspina	GOA2002	EOL
307	4.2	255.81	981862.7	13.7	4.1	127 GOA-7 Malaspina	GOA2002	EOL
303.5	4.1	249.21	981864.8	13.4	4.2	125 GOA-7 Malaspina	GOA2002	EOL
303.8	4.1	239.31	981865.7	13.3	4.2	124 GOA-7 Malaspina	GOA2002	EOL
294.8	4.4	237.81	981866.1	13.3	4.2	124 GOA-7 Malaspina	GOA2002	EOL
212	4.8	285.71	981865.8	13.4	4.8	32 GOA-7 Malaspina		EOL
211.3	5.1	292.61	981869	13.8	5	32 GOA-7 Malaspina		EOL
44.5	4.7	303.31	981854.1	13.6	4.5	224 GOA-7 Malaspina	GOA2003	EOL
49.3	4.3	300.71	981853	13.8	4.4	225 GOA-7 Malaspina	GOA2003	EOL
49.7	4.1	301.41	981851.4	13.8	4.3	230 GOA-7 Malaspina	GOA2003	EOL
53.8	4.3	295.21	981846.9	13.5	4.4	234 GOA-7 Malaspina	GOA2003	EOL
54.5	4.5	295.81	981846.8	13.5	4.4	234 GOA-7 Malaspina	GOA2003	EOL
57.8	4	293.71	981830.6	13.5	4.3	237 GOA-7 Malaspina	GOA2003	EOL
58.8	4.2	287.11	981841.4	13.7	4.2	239 GOA-7 Malaspina	GOA2003	EOL
57.8	4.4	279.91	981839.9	13.6	4.2	237 GOA-7 Malaspina	GOA2003	EOL
58.1	4.5	263.41	981834.9	13.4	4.5	238 GOA-7 Malaspina	GOA2003	EOL
57	4.1	234.91	981828.1	13.2	4.6	237 GOA-7 Malaspina	GOA2003	EOL
58.1	4.1	232.51	981828.6	13.2	4.3	237 GOA-7 Malaspina	GOA2003	EOL
54.5	3.9	187.91	981823.8	13.6	4.1	234 GOA-7 Malaspina	GOA2003	EOL
53	4.5	117.91	981822	13.6	4.5	234 GOA-7 Malaspina	GOA2003	EOL
52.5	4.4	106.51	981821.7	13.7	4.6	233 GOA-7 Malaspina	GOA2003	EOL
53.3	4.2	76.21	981821.5	13.4	4.3	233 GOA-7 Malaspina	GOA2003	EOL
53.7	3.4	66.61	981822.4	13.8	3.9	233 GOA-7 Malaspina	GOA2003	EOL
163	3.2	226.31	981834.7	7.8	2.8	337 GOA-10/11 Yakutat Bay		EOL
227.5	3.9	235.21	981845.8	7.8	3.9	34 GOA-10/11 Yakutat Bay		EOL
230.1	4.1	237.31	981851.5	7.9	4	51 GOA-10/11 Yakutat Bay		EOL

230.5	4.5	238.81	981853.1	7.9	4.4	51 GOA-10/11 Yakutat Bay	GOA2101	EOL
230.8	4.5	242.11	981855.9	7.8	4.5	51 GOA-10/11 Yakutat Bay	GOA2101	EOL
194.1	4.6	251.01	981844.9	13	5	15 GOA-10/11 Yakutat Bay	GOA2101	EOL
194.8	4.7	253.01	981843.8	12.9	4.7	14 GOA-10/11 Yakutat Bay	GOA2101	EOL
194.8	4.5	248.91	981835.3	10.8	4.6	16 GOA-10/11 Yakutat Bay	GOA2101	EOL
181.7	4.5	173.21	981828.2	10.4	4.6	1 GOA-10/11 Yakutat Bay	GOA2101	EOL
164.8	4.8	139.01	981834.6	9.1	4.7	352 GOA-10/11 Yakutat Bay	GOA2101	EOL
167	4.5	149.61	981829.9	8.9	4.6	347 GOA-10/11 Yakutat Bay	GOA2101	EOL
162.5	4.7	178.11	981829.5	15	4.7	343 GOA-10/11 Yakutat Bay	GOA2101	EOL
131.1	4.2	190.31	981822.7	13.5	4.4	313 GOA-10/11 Yakutat Bay	GOA2101	EOL
105.5	4.4	195.51	981819.6	14.1	4.6	284 GOA-10/11 Yakutat Bay	GOA2101	EOL
145.8	4.4	197.41	981822.6	14	4.2	307 GOA-10/11 Yakutat Bay	GOA2101	EOL
203.8	4.1	201.61	981836.9	13.9	4.3	11 GOA-10/11 Yakutat Bay	GOA2101	EOL
210.8	4.1	202.01	981845.7	14	4.5	31 GOA-10/11 Yakutat Bay	GOA2101C	EOL
189.8	4.7	204.81	981841.6	13.8	4.6	11 GOA-10/11 Yakutat Bay	GOA2101C	EOL
193.5	4.9	206.61	981844.7	13.3	4.7	14 GOA-10/11 Yakutat Bay	GOA2101C	EOL
193.8	4.3	208.71	981844.4	13.6	4.3	14 GOA-10/11 Yakutat Bay	GOA2101C	EOL
212.8	5	205.21	981843.7	13.4	4.4	13 GOA-10/11 Yakutat Bay	GOA2101C	EOL
242.3	3.9	184.41	981847.5	13.4	4.7	44 GOA-10/11 Yakutat Bay	GOA2101C	EOL
77	2.5	169.11	981881.1	11.6	2.7	257 GOA-6 Bering Trough		EOL
71.3	4.2	148.01	981883.1	11.4	3.7	254 GOA-6 Bering Trough		EOL
87.7	5.1	128.11	981877.7	12.7	5.3	267 GOA-6 Bering Trough		EOL
153.3	4.1	135.61	981890.5	13.6	4.2	339 GOA-6 Bering Trough		EOL
159.5	4.3	138.11	981892	13.4	4.5	337 GOA-6 Bering Trough	GOA2505	EOL
156	4.3	140.31	981893.1	13.2	4.5	338 GOA-6 Bering Trough	GOA2505	EOL
156.8	4.1	139.61	981894.2	13.1	4.2	336 GOA-6 Bering Trough	GOA2505	EOL
157.7	4.1	142.51	981896.1	13.2	4.2	338 GOA-6 Bering Trough	GOA2505	EOL
155.5	4.3	146.51	981900	13.6	4.3	340 GOA-6 Bering Trough	GOA2505	EOL
155.5	4.6	144.61	982022.8	13.7	4.5	338 GOA-6 Bering Trough	GOA2505	EOL
155.7	4.2	149.21	981903.6	13.7	4.5	336 GOA-6 Bering Trough	GOA2505	EOL
152	4.1	154.41	981905.9	13.8	4.4	334 GOA-6 Bering Trough	GOA2505	EOL
153.8	4.6	163.31	981905	14.1	4.8	332 GOA-6 Bering Trough	GOA2505	EOL
152.3	4.4	165.71	981903.8	14.1	4.8	334 GOA-6 Bering Trough	GOA2505	EOL
154	5	183.91	981906.1	14.2	4.2	331 GOA-6 Bering Trough	GOA2505	EOL
153.5	4.4	195.91	981907.7	14.2	4.6	335 GOA-6 Bering Trough	GOA2505	EOL
154.5	4.6	245.31	981903.7	14.2	4.5	337 GOA-6 Bering Trough	GOA2505	EOL
155.7	4.7	253.61	981907.1	14.3	4.7	334 GOA-6 Bering Trough	GOA2505	EOL
158	4.7	272.21	981910.9	14.4	4.5	338 GOA-6 Bering Trough	GOA2505	EOL
161.8	4.8	267.41	981911.6	14.2	5.1	340 GOA-6 Bering Trough	GOA2505	EOL
162	5.4	257.61	981917.6	14.2	5	342 GOA-6 Bering Trough	GOA2505	EOL
163.3	5.1	250.91	981914.4	14.4	5.3	342 GOA-6 Bering Trough	GOA2505	EOL
164.5	5.2	247.31	982044.7	14.6	5.2	344 GOA-6 Bering Trough	GOA2505	EOL

163.1	5.3	249.91	981920.3	14.6	5.1	345 GOA-6 Bering Trough	GOA2505	EOL
163.7	5	250.51	981907.1	14.7	5.2	345 GOA-6 Bering Trough	GOA2505	EOL
163.8	5.4	258.21	981917.8	14.7	5.1	343 GOA-6 Bering Trough	GOA2505	EOL
160.7	4.9	265.81	981918.9	14.7	4.9	343 GOA-6 Bering Trough	GOA2505	EOL
166	4.9	294.31	981918.8	14.7	4.9	347 GOA-6 Bering Trough	GOA2505	EOL
168	4.9	390.51	981914.1	14.7	4.9	346 GOA-6 Bering Trough	GOA2505	EOL
164.7	4.8	472.61	981911.4	14.8	4.9	345 GOA-6 Bering Trough	GOA2505	EOL
165.1	4.8	589.21	981905.9	14.8	5	345 GOA-6 Bering Trough	GOA2505	EOL
164.8	4.7	709.21	981901.2	14.8	4.9	345 GOA-6 Bering Trough	GOA2505	EOL
163.7	4.9	817.71	981895.3	14.8	4.9	344 GOA-6 Bering Trough	GOA2505	EOL
163.8	4.9	904.21	981891.4	14.8	4.7	345 GOA-6 Bering Trough	GOA2505	EOL
163.8	4.8	988.71	981886.1	14.7	4.9	344 GOA-6 Bering Trough	GOA2505	EOL
351.3	4.5	956.31	981893.3	14.5	4.5	174 GOA-6 Bering Trough		EOL
350.3	4.6	933.71	981893.7	14.5	4.7	171 GOA-6 Bering Trough	GOA2503	EOL
350.3	4.4	920.91	981895.2	14.5	4.4	171 GOA-6 Bering Trough	GOA2503	EOL
349.8	4.3	764.61	981902.2	14.6	4.4	169 GOA-6 Bering Trough	GOA2503	EOL
348.1	4.6	708.51	981904.7	14.5	4.6	169 GOA-6 Bering Trough	GOA2503	EOL
347	4.3	593.81	981909.5	14.7	4.4	167 GOA-6 Bering Trough	GOA2503	EOL
345.8	4.4	528.41	981913.1	14.8	4.3	166 GOA-6 Bering Trough	GOA2503	EOL
345.7	4.6	410.81	981918	14.6	4.4	165 GOA-6 Bering Trough	GOA2503	EOL
344	4.4	315.01	981921.9	14.6	4.4	164 GOA-6 Bering Trough	GOA2503	EOL
346.5	4.4	254.31	981925.4	14.6	4.6	166 GOA-6 Bering Trough	GOA2503	EOL
347.5	4.7	239.11	981925.3	14.6	4.8	168 GOA-6 Bering Trough	GOA2503	EOL
347.8	4.7	225.31	981924.6	14.5	4.6	168 GOA-6 Bering Trough	GOA2503	EOL
347.8	4.5	189.21	981924.9	14.5	4.7	169 GOA-6 Bering Trough	GOA2503	EOL
347.5	4.7	182.31	981924.2	14.4	4.6	167 GOA-6 Bering Trough	GOA2503	EOL
346.5	4.7	179.01	981922.6	14.4	4.8	167 GOA-6 Bering Trough	GOA2503	EOL
349	4.8	176.61	981921.1	14.4	4.6	167 GOA-6 Bering Trough	GOA2503	EOL
347.5	4.7	177.11	981917.9	14.7	4.6	168 GOA-6 Bering Trough	GOA2503	EOL
349.3	4.5	177.91	981917.8	14.5	4.7	169 GOA-6 Bering Trough	GOA2503	EOL
352	4.5	176.01	981914.5	14.3	4.7	172 GOA-6 Bering Trough	GOA2503	EOL
351.7	4.4	175.51	981913.5	14.3	4.8	172 GOA-6 Bering Trough	GOA2503	EOL
356.8	4.6	170.21	981913.6	14.3	4.3	173 GOA-6 Bering Trough	GOA2503	EOL
78.8	4.9	167.51	981876.7	14.4	4.8	259 GOA-6 Bering Trough		EOL
157	4.6	177.31	981902.1	14.6	4.8	340 GOA-6 Bering Trough		EOL
166.5	4.4	175.71	981901.2	14.7	4.7	347 GOA-6 Bering Trough	GOA2501	EOL
165.1	4.5	178.21	981905.3	14.5	4.3	345 GOA-6 Bering Trough	GOA2501	EOL
164	4.2	179.01	982016.7	14.6	4.3	344 GOA-6 Bering Trough	GOA2501	EOL
164.8	4.9	179.71	981906.8	14.5	4.5	344 GOA-6 Bering Trough	GOA2501	EOL
163.1	4.1	176.91	981908.1	14.6	4	345 GOA-6 Bering Trough	GOA2501	EOL
165.7	4.5	177.91	981911.4	14.7	5	346 GOA-6 Bering Trough	GOA2501	EOL
166.3	4.4	178.61	981911.9	14.7	4.7	346 GOA-6 Bering Trough	GOA2501	EOL

166.8	4.9	178.51	981914.1	14.4	4.7	346 GOA-6 Bering Trough	GOA2501	EOL
236.1	4.4	190.21	981928.4	14.6	4	62 GOA-6 Bering Trough	GOA2502	EOL
248.1	4.4	179.51	981936.6	14.6	4.6	69 GOA-6 Bering Trough	GOA2502	EOL
248.1	4.5	179.91	981936	14.5	4.4	69 GOA-6 Bering Trough	GOA2502	EOL
250.8	4.2	238.81	981935.2	14.2	4.3	70 GOA-6 Bering Trough	GOA2502	EOL
250.1	4.5	242.31	981934	14.3	4.4	70 GOA-6 Bering Trough	GOA2502	EOL
250.8	4.7	255.51	981938.9	14.6	4.5	71 GOA-6 Bering Trough	GOA2502	EOL
250.7	4.2	262.61	981938.3	14.6	4.4	72 GOA-6 Bering Trough	GOA2502	EOL
250.5	4.4	283.21	981938.6	14.6	4.4	70 GOA-6 Bering Trough	GOA2502	EOL
236.3	4.5	290.41	981939.6	14.6	4.6	70 GOA-6 Bering Trough	GOA2502	EOL
177.7	4.9	293.51	981934.7	14.5	4.4	16 GOA-6 Bering Trough		EOL
17.1	4.1	253.41	981914.3	14.5	4.4	204 GOA-6 Bering Trough		EOL
331.8	4.1	260.61	981931.8	14.5	4.6	152 GOA-6 Bering Trough		EOL
330.5	4.3	268.11	981935	14.5	4	152 GOA-6 Bering Trough	GOA2507	EOL
333	4.5	283.71	981928.7	14.6	4.4	153 GOA-6 Bering Trough	GOA2507	EOL
334.1	4.6	314.81	981925.9	14.3	4.3	154 GOA-6 Bering Trough	GOA2507	EOL
333.1	4.6	318.51	981925.2	14.4	4.6	153 GOA-6 Bering Trough	GOA2507	EOL
332.1	4.4	321.51	981923.6	14.5	4.6	152 GOA-6 Bering Trough	GOA2507	EOL
331.5	4.4	323.41	981921.9	14.4	4.4	152 GOA-6 Bering Trough	GOA2507	EOL
332.7	4.3	318.81	981919.6	14.3	4.4	153 GOA-6 Bering Trough	GOA2507	EOL
335.5	4.7	312.51	981917.6	14.3	4.6	155 GOA-6 Bering Trough	GOA2507	EOL
335.3	4.3	312.81	981917.7	14.3	4.5	156 GOA-6 Bering Trough	GOA2507	EOL
332.7	4.6	297.61		14.2	4.5	154 GOA-6 Bering Trough	GOA2507	EOL
335.7	4.5	284.21	981916.9	14.2	4.5	155 GOA-6 Bering Trough	GOA2507	EOL
335.5	4.7	273.71	981916.7	14.3	4.3	156 GOA-6 Bering Trough	GOA2507	EOL
334.8	4.4	270.71	981914.7	14.4	4.4	155 GOA-6 Bering Trough	GOA2507	EOL
337.5	4.5	268.61	981914.8	14.3	4.4	155 GOA-6 Bering Trough	GOA2507	EOL
340.3	4.1	266.51	981909.7	14.3	4	161 GOA-6 Bering Trough	GOA2507	EOL
342.3	3.9	249.61	981907.8	14.3	4	161 GOA-6 Bering Trough	GOA2507	EOL
350.5	4.4	227.51	981905.8	13.9	4.3	163 GOA-6 Bering Trough	GOA2507	EOL
348.8	4.1	225.41	981904.8	14	4.1	165 GOA-6 Bering Trough	GOA2507	EOL
4.7	3.5	197.21	981904.6	12.7	3.9	182 GOA-6 Bering Trough	GOA2507	EOL
47	4.2	193.11	981899.9	12.6	3.3	211 GOA-6 Bering Trough	GOA2507	EOL
97.3	5.4	172.11	981878.8	12.4	5.6	262 GOA-6 Bering Trough		EOL
235	4.2	206.21	981912.1	12.5	4.3	56 GOA-6 Bering Trough		EOL
236.8	4.3	219.61	981913	12.6	4.2	55 GOA-6 Bering Trough		EOL
234.8	4.1	223.81	981913.8	12.8	4.2	55 GOA-6 Bering Trough	GOA2504	EOL
250.1	3.8	226.01	981916.5	13.3	3.8	72 GOA-6 Bering Trough	GOA2504	EOL
250.3	4	218.71	981917.6	13.3	3.9	69 GOA-6 Bering Trough	GOA2504	EOL
251.7	4	221.21	981920.3	13.3	3.9	72 GOA-6 Bering Trough	GOA2504	EOL
252.8	3.8	219.21	981921.1	13.4	3.9	71 GOA-6 Bering Trough	GOA2504	EOL
253.5	3.6	170.51	981924.5	13.3	3.9	72 GOA-6 Bering Trough	GOA2504	EOL

252.8	3.6	129.01	981930.8	13.2	3.9	74 GOA-6 Bering Trough	GOA2504	EOL
251	3.5	102.31	981933.9	13.1	3.8	72 GOA-6 Bering Trough	GOA2504	EOL
251.5	3.6	87.51	981935.7	13.3	3.9	71 GOA-6 Bering Trough	GOA2504	EOL
251	3.6	86.81	981936	13.3	4	71 GOA-6 Bering Trough	GOA2504	EOL
62.1	4.5	1298.51	981881.8	14.7	4.5	243 KB-1 Kitrov Basin		EOL
250.3	4.5	1487.21	981914.2	14.7	4.3	72 KB-1 Kitrov Basin	GOA3102	EOL
250.8	3.8	1060.31	981917.4	14.7	4.3	71 KB-1 Kitrov Basin	GOA3102	EOL
249.5	3.9	5.51	981925.4	14.7	4.2	70 KB-1 Kitrov Basin	GOA3102	EOL
248.3	4.3	761.71	981932.7	14.8	4.2	69 KB-1 Kitrov Basin	GOA3102	EOL
247.8	4.4	730.01	981932.5	14.7	4.1	68 KB-1 Kitrov Basin	GOA3102	EOL
248	3.7	718.01	981933.2	14.8	4.1	68 KB-1 Kitrov Basin	GOA3102	EOL
249.1	4.1	730.91	981935.7	14.7	4	69 KB-1 Kitrov Basin	GOA3102	EOL
256.8	3.9	741.91	981935.7	14.7	3.9	70 KB-1 Kitrov Basin	GOA3102	EOL
317.5	4.2	755.81	981936.5	14.7	4.2	120 KB-1 Kitrov Basin		EOL
57	4.3	683.31	981916.5	14.7	4.3	222 KB-1 Kitrov Basin		EOL
153.1	4.9	702.21	981911.5	14.7	4.6	328 KB-1 Kitrov Basin		EOL
152.3	4.5	703.21	981914.3	14.7	4.7	332 KB-1 Kitrov Basin	GOA3101	EOL
152.1	4.3	705.11	981913.9	14.7	4.8	332 KB-1 Kitrov Basin	GOA3101	EOL
151.5	4.7	759.71	981910.6	14.6	4.9	331 KB-1 Kitrov Basin	GOA3101	EOL
151	4.9	770.71	981909.6	14.6	4.7	332 KB-1 Kitrov Basin	GOA3101	EOL
150.3	4.8	1176.01	981890.5	14.5	4.7	330 KB-1 Kitrov Basin	GOA3101	EOL
151	5.1	1222.91	981889.6	14.5	4.8	330 KB-1 Kitrov Basin	GOA3101	EOL
153.7	5.3	2329.81	981849.1	14.6	5.3	334 KB-1 Kitrov Basin	GOA3101	EOL
154.7	5.6	2489.01	981791	14.6	5.2	334 KB-1 Kitrov Basin	GOA3101	EOL
152.8	5.1	2993.71	981820.7	14.5	4.9	333 KB-1 Kitrov Basin	GOA3101	EOL
153	5	2975.51	981820.1	14.5	4.9	332 KB-1 Kitrov Basin	GOA3101	EOL
152.3	4.9	3027.31	981817.8	14.5	5.3	334 KB-1 Kitrov Basin	GOA3101	EOL
327.7	4	981819.7		14.4	3.8	147 GOA-16 Surveyor Fan		EOL
126.5	4.8	3720.61	981796.5	14.4	5	307 GOA-16 Surveyor Fan		EOL
128.8	4.8	3715.51	981796.5	14.3	5	309 GOA-16 Surveyor Fan	GOA3201	EOL
128.5	5.1	3687.11	981797.8	14.3	4.9	307 GOA-16 Surveyor Fan	GOA3201	EOL
126.3	4.9	3687.11	981796	14.3	4.8	307 GOA-16 Surveyor Fan	GOA3201	EOL
124.7	4.7	981798.8		14.3	5	307 GOA-16 Surveyor Fan	GOA3201	EOL
126.7	5	3698.31	981798.6	14.3	5	306 GOA-16 Surveyor Fan		EOL
8.1	4.8	3688.31	981806.1	14.2	4.9	190 GOA-16 Surveyor Fan	GOA3202	EOL
10.3	4.9			14.3	4.6	188 GOA-16 Surveyor Fan	GOA3202	EOL
6.7	4.7	3690.21	981806.2	14.2	4.6	189 GOA-16 Surveyor Fan	GOA3202	EOL
7.8	4.6	3688.21	981806.6	14.2	4.7	189 GOA-16 Surveyor Fan	GOA3202	EOL
8.8	4.9	3694.21	981806.8	14.2	4.8	189 GOA-16 Surveyor Fan	GOA3202	EOL
13.5	4.5	3708.41	981807.1	14.4	4.6	190 GOA-16 Surveyor Fan	GOA3202	EOL
10.8	4.4	3708.41	981808.4	14.4	4.7	190 GOA-16 Surveyor Fan	GOA3202	EOL
12.1	4.9	3721.51	981806.9	14.5	4.6	190 GOA-16 Surveyor Fan	GOA3202	EOL

10.1	4.7	981808.4		14.5	4.7	191 GOA-16 Surveyor Fan	GOA3202	EOL
131.1	3.2	131.21	981915.5	12.7	3.3	312 GOA-4A Kayak Trough		EOL
128.1	4.1	139.81	981916.1	12.8	3.4	309 GOA-4A Kayak Trough		EOL
128.5	3.7	145.41	981914.4	12.9	3.8	308 GOA-4A Kayak Trough		EOL
122.3	4.9	156.01	981909.1	12.7	4.5	296 GOA-4A Kayak Trough	GOA3002	EOL
126.1	4.9	161.51	981908	12.8	5.1	304 GOA-4A Kayak Trough	GOA3002	EOL
126.1	5.1	170.11	981909.4	12.9	5.4	306 GOA-4A Kayak Trough	GOA3002	EOL
123.7	5.3	171.21	981910.4	12.9	5.1	306 GOA-4A Kayak Trough	GOA3002	EOL
125.1	5.2	155.71	981916.5	12.3	5.3	305 GOA-4A Kayak Trough	GOA3002	EOL
117.3	5.2	147.51	981920.7	13.1	5.3	299 GOA-4A Kayak Trough	GOA3002	EOL
117.7	5.2	148.51	981931.5	13.1	5.1	298 GOA-4A Kayak Trough	GOA3002	EOL
117.1	5.4	157.71	981924.5	12.4	5.2	298 GOA-4A Kayak Trough	GOA3002	EOL
117.7	5.1	162.71	981926.7	12.2	5.2	299 GOA-4A Kayak Trough	GOA3002	EOL
126.1	5.1	162.01	981931.5	13.1	4.9	303 GOA-4A Kayak Trough	GOA3002	EOL
130.5	4.8	165.81	981931.2	13.5	5	311 GOA-4A Kayak Trough	GOA3002	EOL
133	4.8	168.41	981933.9	13.4	4.6	312 GOA-4A Kayak Trough	GOA3002	EOL
130.1	5.1	169.41	981933.3	13.4	4.8	312 GOA-4A Kayak Trough		EOL
273	4.6	173.91	981943.6	13.3	4.5	93 GOA-4A Kayak Trough		EOL
272.8	4.1	138.31	981963.3	13.3	4.4	93 GOA-4A Kayak Trough		EOL
50	4.7	121.51	981928.1	13.1	4.8	238 GOA-4A Kayak Trough		EOL
50	5	120.61	981927.3	13.2	5	227 GOA-4A Kayak Trough	GOA3001	EOL
52	5.1	121.71	981926.3	13.1	5.1	231 GOA-4A Kayak Trough	GOA3001	EOL
55.1	4.9	128.31	981925.3	13	5.1	234 GOA-4A Kayak Trough	GOA3001	EOL
55.8	5.3	136.11	981924.3	13	5.2	235 GOA-4A Kayak Trough	GOA3001	EOL
52.1	5.1	180.01	981922.4	12.7	5.1	235 GOA-4A Kayak Trough	GOA3001	EOL
52.8	5.2	174.11	981918.2	14	5.2	234 GOA-4A Kayak Trough	GOA3001	EOL
51.3	5.5	162.71	981918.6	13	5.2	233 GOA-4A Kayak Trough	GOA3001	EOL
51.3	5.4	153.01	981918.5	12.8	5.3	231 GOA-4A Kayak Trough	GOA3001	EOL
46.8	5.2	146.71	981918.2	12.5	5.1	227 GOA-4A Kayak Trough	GOA3001	EOL
46.8	5.2	142.51	981917.6	13	5	227 GOA-4A Kayak Trough	GOA3001	EOL
45.8	5.3	141.31	981916.8	12.9	5	227 GOA-4A Kayak Trough	GOA3001	EOL
48.3	4.9	140.91	981916.4	13.1	5.3	226 GOA-4A Kayak Trough	GOA3001	EOL
47	4.9	139.21	981917.2	13.2	5.4	228 GOA-4A Kayak Trough	GOA3001	EOL
49.7	5.4	139.71	981916.3	13.1	5.4	228 GOA-4A Kayak Trough	GOA3001	EOL
47.1	4.5	140.61	981917.7	12.9	4.8	227 GOA-4A Kayak Trough	GOA3001	EOL
42.7	3.9	638.51	981937.6	12.2	3.7	221 GOA-01A Upper PWS		EOL
165.8	4.8	294.61	981964.5	12.3	4.4	342 GOA-01A Upper PWS	GOA2901	EOL
165.8	4.8	401.41	981964.5	12.3	4.8	346 GOA-01A Upper PWS	GOA2901	EOL
169.1	4.6	618.11	981953.4	12.2	4.6	349 GOA-01A Upper PWS	GOA2901	EOL
168.8	4.6	750.71	981966	12.2	4.6	351 GOA-01A Upper PWS	GOA2901	EOL
168	4.8	747.21	981946.4	12.5	4.7	347 GOA-01A Upper PWS	GOA2901	EOL
166.1	5.2	743.61	981947.3	12.5	5.1	348 GOA-01A Upper PWS	GOA2901	EOL

167	5.2	494.31	981958	12.4	5.1	347 GOA-01A Upper PWS	GOA2901	EOL
167.3	5.2	699.71	981958.3	12.5	5.2	348 GOA-01A Upper PWS	GOA2901	EOL
165.1	5.2	743.61	981953	12.5	5.3	344 GOA-01A Upper PWS	GOA2901	EOL
165.3	5.4	709.21	981951.3	12.5	5.4	345 GOA-01A Upper PWS	GOA2901	EOL
37	5	981964		12.3	5	219 GOA-01A Upper PWS		EOL
40.3	5	1252.51	981956.5	12.4	5	218 GOA-01A Upper PWS	GOA2902	EOL
40.3	5	736.71	981950	12.4	4.9	220 GOA-01A Upper PWS	GOA2902	EOL
39	4.5	753.51	981937.1	12.5	4.8	219 GOA-01A Upper PWS	GOA2902	EOL
38.8	4.8	754.51	981925.4	12.5	4.8	218 GOA-01A Upper PWS	GOA2902	EOL
38.5	4.7	741.71	981933.4	12.4	4.8	218 GOA-01A Upper PWS	GOA2902	EOL
37.5	4.9	711.21	981933.7	12.4	4.9	218 GOA-01A Upper PWS	GOA2902	EOL
39.1	3.9	696.41	981934	12.3	4.7	218 GOA-01A Upper PWS	GOA2902	EOL
103.1	4.1	150.31	981915.8	12.5	3.7	283 GOA-02A Lower PWS		EOL
233.7	5.6	101.61	981949.4	12.5	5.4	53 GOA-02A Lower PWS		EOL
234	5.4	84.41	981949.6	12.5	5.4	53 GOA-02A Lower PWS	GOA2801	EOL
222.8	5.3	252.71	981935.9	12.4	5.4	43 GOA-02A Lower PWS	GOA2801	EOL
219.5	5.5	318.61	981928.9	12.4	5.4	42 GOA-02A Lower PWS	GOA2801	EOL
217	4.9	350.11	981927.2	12.3	5.2	39 GOA-02A Lower PWS	GOA2801	EOL
215.7	5.1	359.51	981926.2	12.2	5.3	36 GOA-02A Lower PWS	GOA2801	EOL
213.5	5.5	357.41	981926.8	12.2	5.4	34 GOA-02A Lower PWS	GOA2801	EOL
188	5.4	354.31	981924.9	12.2	5.4	14 GOA-02A Lower PWS		EOL
175	5.5	357.81	981918	12	5.4	355 GOA-02A Lower PWS		EOL
347.1	4.7	259.61	981927.2	12.5	3.8	167 GOA-02A Lower PWS		EOL
348.8	5.1	260.31	981927.1	12.6	5.6	169 GOA-02A Lower PWS	GOA2802	EOL
348.7	3.5	264.01	981925.7	12.6	4.4	168 GOA-02A Lower PWS	GOA2802	EOL
359	3.2	273.11	981923.3	12.6	3.2	180 GOA-02A Lower PWS	GOA2802	EOL
358.5	3.5	276.11	981923.3	12.5	3.6	179 GOA-02A Lower PWS	GOA2802	EOL
357.8	3.5	296.71	981918.9	12.5	3.5	178 GOA-02A Lower PWS	GOA2802	EOL
357.8	3.4	304.11	981920.8	12.5	3.3	177 GOA-02A Lower PWS	GOA2802	EOL
357.5	3.6	369.31	981913.9	12.4	3.5	178 GOA-02A Lower PWS	GOA2802	EOL
353.8	3.9	390.71	981910.8	12.3	3.7	175 GOA-02A Lower PWS	GOA2802	EOL