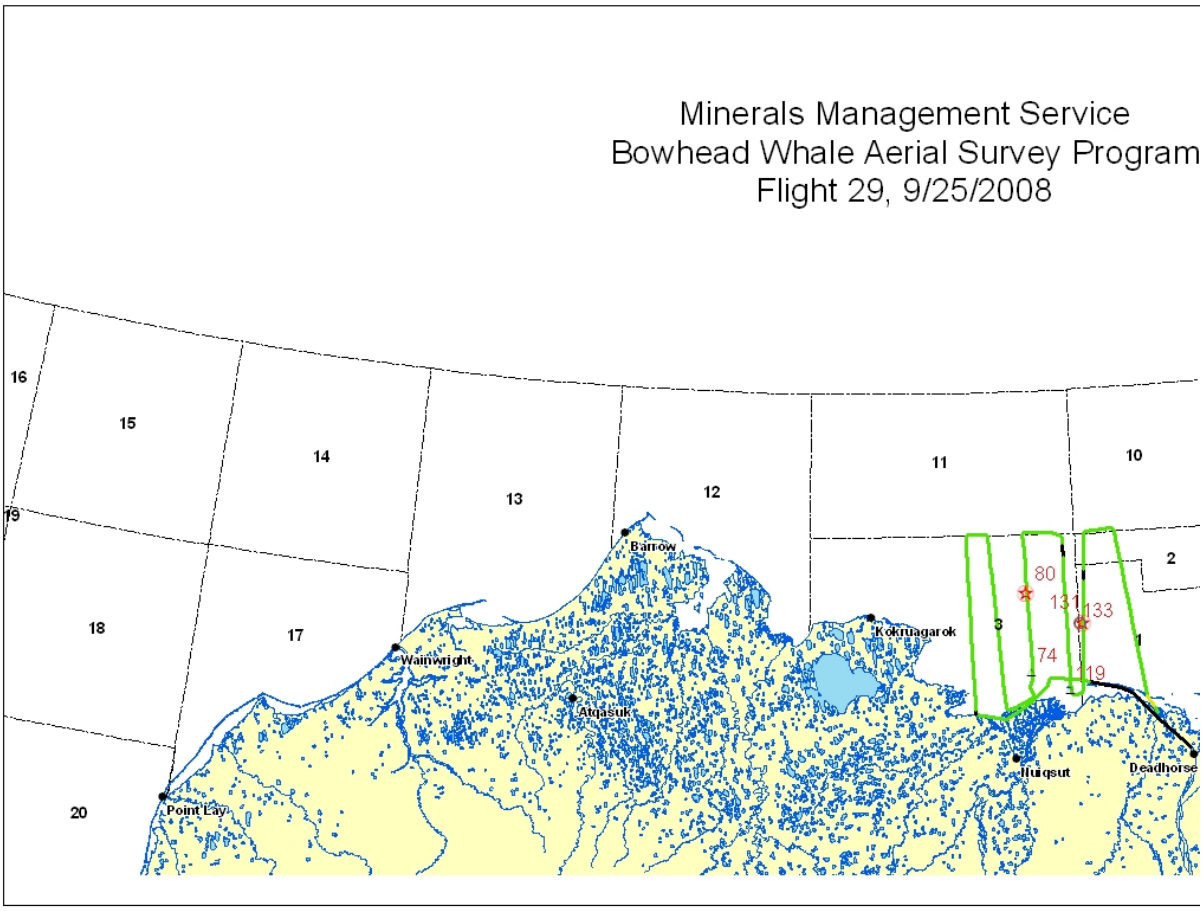
BWASP – Flight 29 – September 25 2008

Area flown: Block 3, completed four easternmost transects; Blocks 1 and 2, completed two westernmost transects.
Total hours flown: 4.1
Total transect hours: 2.6
Number of bowheads seen: 2
Weather and visibility: Wind and sea conditions were good with Beaufort 1 and 2. Visibility was variable due to broken/low ceilings and scattered snow showers.
Sightings: Two bowheads, one unidentified whale that was a probable bowhead, one polar bear swimming north about 10 miles from shore and one polar bear on a barrier island. Bearded seals and probable ringed seals were also observed.

Bowhead Preliminary Summary, Flight 29 Date: 9/25/2008

Total bowheads: 2	Start time: 9/25/2008 3:10:24 PM	End time: 9/25/2008 7:05:36 PM
Bowhead sightings: 2	Transect minutes: 155	Transect km:528.5
Bowheads on transect: 2	Connect minutes: 19	Connect km: 63
Bowhead calves: 0	Trans+Con minutes: 174	Trans+Con km: 591.5
Bowhead calves on transect: 0	Search minutes: 44	Search km: 108
Bowhead repeats: 0	Total minutes: 235	Total km: 773
Possible repeats: 0	Deadhead minutes: 17	Deadhead km: 73.5
Total gray whales: 0	Search blocks: 1, 3, 11, 2, 10	
Total belugas: 0	Transect blocks: 3, 11, 1, 2, 10	
Other whale sightings: 1		
Total walrus: 0		
Total bear: 2		

Event	Lat	Long	Block	Species	Total	Repeat	Calves	Swim direction	Swim Speed	Behavior	On effort
80	71.01	-150.75	3	bowhead	1	no	0	267	unknown	swim	True
131	70.86	-149.92	1	bowhead	1	no	0	273	slow	swim	True
133	70.86	-149.96	1	unknown cetacean	1	no	0	-1	slow	swim	False



Meteorological/Oceanographic Summary, Flight 29 Date: 9/25/2008

Event	Lat	Long	Time	Type	% Ice	SeaState	Sky	Vis imped left	Vis imped right
1	70.23	-148.47	3:10:24 PM	.	-1	n/a	partly cloudy	.	.
3	70.36	-148.85	3:15:02 PM	.	-1	n/a	partly cloudy	.	.
4	70.51	-149.27	3:20:17 PM	.	-1	n/a	partly cloudy	.	.
5	70.54	-149.43	3:21:46 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
6	70.58	-149.88	3:25:40 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
7	70.58	-149.94	3:26:06 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
8	70.59	-149.98	3:26:27 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
9	70.59	-150.02	3:26:43 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
10	70.6	-150.45	3:30:19 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
11	70.56	-150.52	3:31:34 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	<1 km
12	70.5	-150.69	3:33:43 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	2-3 km
14	70.45	-150.92	3:36:10 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	2-3 km

15	70.41	-151.1	3:37:56 PM	no ice	0	n/a	overcast	0 km	0 km
16	70.44	-151.56	3:42:13 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
17	70.46	-151.55	3:42:47 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	<1 km
18	70.49	-151.54	3:43:41 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	5-10 km
19	70.65	-151.58	3:49:02 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
20	70.74	-151.58	3:51:53 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
21	70.77	-151.59	3:52:55 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	0 km	<1 km
22	70.79	-151.59	3:53:29 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	2-3 km
23	70.82	-151.59	3:54:11 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	0 km
24	70.82	-151.59	3:54:28 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	1-2 km
25	70.9	-151.6	3:57:03 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
26	70.93	-151.6	3:58:01 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
27	70.96	-151.6	3:58:55 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	0 km
28	70.97	-151.6	3:59:14 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	<1 km
29	70.99	-151.61	3:59:58 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
30	71.03	-151.61	4:01:08 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
31	71.13	-151.62	4:04:31 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
32	71.15	-151.62	4:05:15 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	0 km
33	71.16	-151.62	4:05:29 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
34	71.18	-151.63	4:05:57 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	3-5 km
35	71.19	-151.63	4:06:20 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
36	71.22	-151.63	4:07:23 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	1-2 km
37	71.23	-151.63	4:07:59 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	<1 km
38	71.26	-151.64	4:08:56 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	2-3 km
39	71.3	-151.63	4:10:11 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	2-3 km
40	71.31	-151.61	4:10:40 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
41	71.31	-151.33	4:13:53 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	5-10 km
42	71.3	-151.31	4:14:08 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	3-5 km
43	71.23	-151.3	4:16:29 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	2-3 km
44	71.2	-151.28	4:17:39 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
46	71.16	-151.28	4:18:52 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
47	71.14	-151.27	4:19:43 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	5-10 km
48	71.1	-151.26	4:20:54 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	5-10 km
49	71.03	-151.24	4:23:10 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	<1 km

50	71	-151.24	4:24:23 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	2-3 km
51	70.98	-151.23	4:24:58 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	5-10 km
52	70.94	-151.22	4:26:25 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	5-10 km
53	70.93	-151.22	4:26:48 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	2-3 km
54	70.9	-151.21	4:27:29 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	<1 km
55	70.84	-151.2	4:29:37 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	3-5 km
56	70.79	-151.18	4:31:25 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	3-5 km
57	70.77	-151.18	4:32:02 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	3-5 km
58	70.67	-151.15	4:35:31 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	5-10 km
59	70.59	-151.14	4:37:56 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
60	70.51	-151.12	4:40:33 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	5-10 km
61	70.47	-151.11	4:41:49 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
62	70.46	-151.1	4:42:15 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
63	70.45	-151.07	4:42:45 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	5-10 km
64	70.47	-150.97	4:44:01 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
65	70.48	-150.88	4:45:07 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
66	70.51	-150.69	4:47:28 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
67	70.51	-150.69	4:47:35 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	3-5 km
68	70.53	-150.7	4:47:59 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	3-5 km
70	70.56	-150.74	4:49:24 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	2-3 km
71	70.59	-150.72	4:50:27 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	<1 km
72	70.62	-150.71	4:51:09 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
73	70.62	-150.7	4:51:21 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
74	70.64	-150.7	4:51:53 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	5-10 km
75	70.67	-150.7	4:52:55 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
76	70.83	-150.72	4:58:03 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	5-10 km
77	70.86	-150.73	4:59:02 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
78	70.91	-150.73	5:00:38 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	<1 km
79	70.96	-150.74	5:02:15 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
80	71.01	-150.75	5:04:08 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
81	71.02	-150.75	5:04:25 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
83	71.02	-150.74	5:13:18 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
84	71.05	-150.75	5:14:30 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
85	71.09	-150.76	5:15:44 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km

86	71.13	-150.75	5:16:54 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
87	71.14	-150.75	5:17:19 PM	no ice	0	B1 ripples, 1-3 kt	overcast	0 km	<1 km
88	71.15	-150.75	5:17:44 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
89	71.23	-150.77	5:20:09 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
90	71.27	-150.78	5:21:38 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	3-5 km
91	71.3	-150.79	5:22:39 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	3-5 km
92	71.31	-150.76	5:23:15 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
93	71.32	-150.69	5:23:55 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
94	71.32	-150.63	5:24:34 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	2-3 km
95	71.31	-150.53	5:25:39 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	2-3 km
96	71.31	-150.36	5:27:24 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	5-10 km
97	71.29	-150.23	5:28:49 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	2-3 km
98	71.29	-150.21	5:29:07 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
99	71.28	-150.19	5:29:28 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
100	71.27	-150.19	5:30:00 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	0 km
101	71.26	-150.18	5:30:19 PM	no ice	0	n/a	overcast	0 km	0 km
102	71.25	-150.18	5:30:46 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
103	71.18	-150.18	5:32:51 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
104	71.16	-150.18	5:33:31 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
105	71.14	-150.19	5:34:17 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
106	71.09	-150.18	5:35:57 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
107	71.04	-150.18	5:37:45 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
108	70.99	-150.18	5:39:31 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	5-10 km
109	70.95	-150.18	5:40:35 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
110	70.93	-150.18	5:41:20 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	<1 km
111	70.9	-150.17	5:42:13 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
112	70.87	-150.17	5:43:20 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
113	70.81	-150.17	5:45:05 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
114	70.8	-150.17	5:45:37 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
115	70.77	-150.17	5:46:36 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
116	70.68	-150.16	5:49:26 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
117	70.64	-150.16	5:50:50 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
118	70.58	-150.16	5:52:33 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
119	70.54	-150.15	5:53:53 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km

120	70.53	-150.15	5:54:24 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
121	70.52	-150.1	5:55:19 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
122	70.52	-150	5:56:30 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
123	70.54	-149.97	5:57:12 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
124	70.6	-149.96	5:59:20 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	3-5 km
125	70.61	-149.96	5:59:37 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	3-5 km
126	70.66	-149.95	6:01:17 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
127	70.73	-149.94	6:03:33 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	3-5 km
128	70.76	-149.94	6:04:38 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	3-5 km
129	70.8	-149.93	6:05:49 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
130	70.83	-149.93	6:06:41 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	5-10 km
131	70.86	-149.92	6:07:54 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	5-10 km
132	70.87	-149.92	6:08:00 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	5-10 km
133	70.86	-149.96	6:11:13 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	5-10 km
134	70.86	-149.98	6:13:21 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	5-10 km
135	70.87	-149.92	6:16:06 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
136	70.94	-149.91	6:18:21 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	1-2 km	1-2 km
137	70.99	-149.91	6:19:45 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	<1 km	<1 km
138	71.03	-149.9	6:21:14 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	<1 km	<1 km
139	71.06	-149.89	6:22:09 PM	no ice	0	n/a	partly cloudy	0 km	0 km
140	71.08	-149.89	6:22:43 PM	no ice	0	B1 ripples, 1-3 kt	partly cloudy	3-5 km	3-5 km
141	71.12	-149.89	6:24:11 PM	no ice	0	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
142	71.19	-149.88	6:26:25 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
144	71.3	-149.86	6:29:58 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
145	71.31	-149.81	6:30:46 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
146	71.31	-149.74	6:31:30 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	1-2 km
147	71.31	-149.71	6:31:48 PM	no ice	0	B1 ripples, 1-3 kt	overcast	1-2 km	<1 km
148	71.31	-149.65	6:32:26 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
149	71.31	-149.61	6:32:50 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	<1 km
150	71.31	-149.57	6:33:19 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
152	71.32	-149.44	6:34:38 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
153	71.3	-149.39	6:35:17 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
154	71.26	-149.37	6:36:45 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
155	71.24	-149.36	6:37:19 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km

156	71.21	-149.35	6:38:37 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	3-5 km
157	71.15	-149.33	6:40:18 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
167	70.77	-149.17	6:52:48 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
168	70.58	-149.09	6:59:13 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
169	70.5	-149.06	7:02:05 PM	no ice	0	B3 scattered caps, 7-10 kt	overcast	5-10 km	3-5 km
170	70.49	-149.05	7:02:24 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	3-5 km
171	70.43	-148.94	7:04:51 PM	no ice	0	n/a	overcast	0 km	0 km
172	70.41	-148.91	7:05:36 PM	no ice	0	n/a	overcast	0 km	0 km
158	71.1	-149.31	6:41:57 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
159	71.06	-149.29	6:43:24 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	3-5 km
160	70.99	-149.26	6:45:45 PM	no ice	0	B1 ripples, 1-3 kt	overcast	0 km	0 km
163	70.96	-149.25	6:46:39 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	3-5 km
164	70.93	-149.23	6:47:28 PM	no ice	0	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
165	70.83	-149.19	6:50:57 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km
166	70.81	-149.18	6:51:35 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	<1 km