

BWASP – Flight 32 – September 28 2008

Area flown: Block 4, minimal transect effort; Block 11, five full transects and one partial transect.

Total hours flown: 5.3

Total transect hours: 2.2

Number of bowheads seen: 6 (0 calves)

Weather and visibility: Low ceilings and “ice fog” prevented extended transect effort in Block 4.

Excellent Beaufort conditions (1-3) prevailed in Block 11. The westernmost transect in Block 11 was interrupted with a very large snow squall; otherwise ceilings and visibility were good.

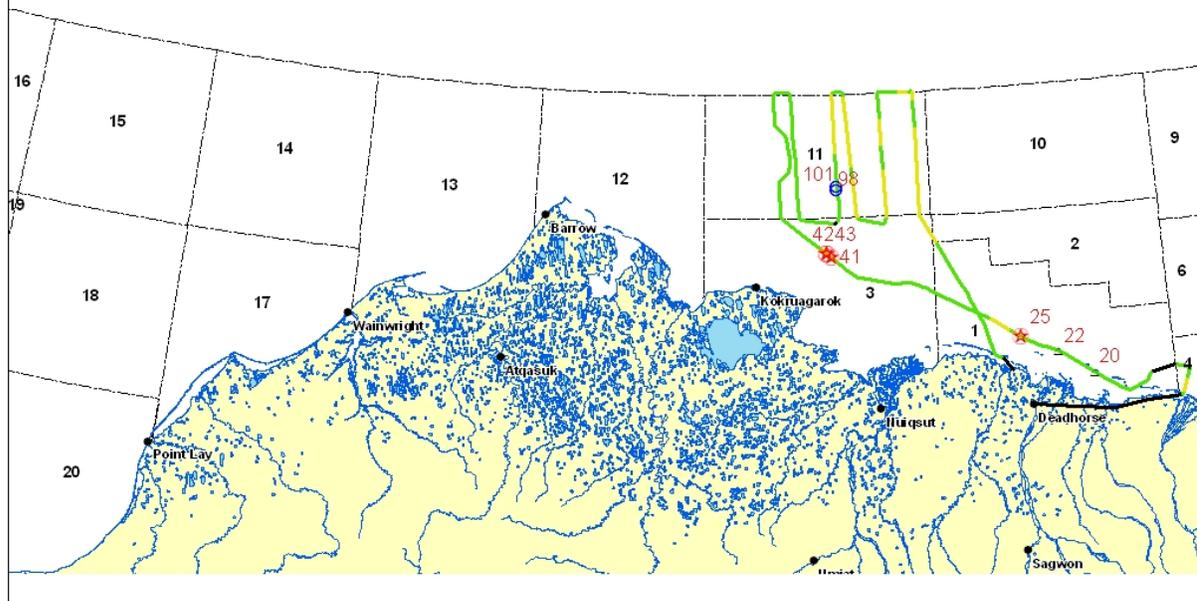
Sightings: Bowheads, belugas, polar bears on Cross Island, bearded seals and a probable ringed seal.

Bowhead Preliminary Summary, Flight 32 Date: 9/28/2008

Total bowheads: 6	Start time: 9/28/2008 12:21:51 PM	End time: 9/28/2008 5:36:43 PM
Bowhead sightings: 4	Transect minutes: 131	Transect km: 448.3
Bowheads on transect: 0	Connect minutes: 25	Connect km: 78.4
Bowhead calves: 0	Trans+Con minutes: 156	Trans+Con km: 526.7
Bowhead calves on transect: 0	Search minutes: 121	Search km: 440
Bowhead repeats: 0	Total minutes: 315	Total km: 1090.4
Possible repeats: 0	Deadhead minutes: 32	Deadhead km: 123.7
Total gray whales: 0	Search blocks: 4, 1, 3, 11, 0	
Total belugas: 11	Transect blocks: 4, 11, 0, 3	
Other whale sightings: 0		
Total walrus: 0		
Total bear: 17		

Event	Lat	Long	Block	Species	Total	Repeat	Calves	Swim direction	Swim Speed	Behavior	On effort
25	70.58	-148.56	1	bowhead	1	no	0	355	medium	swim	False
41	71.07	-151.75	3	bowhead	2	no	0	248	slow	swim	False
42	71.09	-151.83	3	bowhead	2	no	0	-1	unknown	mill	False
43	71.09	-151.84	3	bowhead	1	no	0	308	slow	dive	False
98	71.45	-151.65	11	beluga whale	10	.	1	232	.	cow with calf	True
101	71.48	-151.66	11	beluga whale	1	.	0	-1	.	.	True

Minerals Management Service
Bowhead Whale Aerial Survey Program
Flight 32, 9/28/2008



Meteorological/Oceanographic Summary, Flight 32 Date: 9/28/2008

Event	Lat	Long	Time	Type	% Ice	SeaState	Sky	Vis impeded left	Vis impeded right
1	70.2	-148.41	12:21:51 PM	.	-1	n/a	partly cloudy	0 km	0 km
2	70.16	-147.73	12:28:36 PM	.	-1	n/a	partly cloudy	0 km	0 km
3	70.13	-147.08	12:34:41 PM	.	-1	n/a	partly cloudy	0 km	0 km
4	70.16	-146.53	12:39:45 PM	.	-1	n/a	partly cloudy	0 km	0 km
5	70.17	-145.95	12:45:33 PM	.	-1	B2 sm waves, 4-6 kt	overcast	<1 km	<1 km
6	70.19	-145.93	12:46:13 PM	no ice	0	B3 scattered caps, 7-10 kt	overcast	<1 km	<1 km
7	70.21	-145.91	12:46:55 PM	no ice	0	B3 scattered caps, 7-10 kt	overcast	2-3 km	<1 km
8	70.27	-145.83	12:48:42 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	<1 km
9	70.28	-145.81	12:49:12 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	0 km	0 km
11	70.32	-145.79	12:50:13 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	0 km	0 km
12	70.34	-145.89	12:51:30 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	0 km	0 km
13	70.35	-146.02	12:53:04 PM	no ice	0	n/a	overcast	0 km	0 km

14	70.32	- 146.43	12:57:02 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	1-2 km	1-2 km
15	70.27	- 146.52	12:58:21 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	1-2 km
16	70.23	- 146.83	1:01:29 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	<1 km	1-2 km
17	70.26	- 146.98	1:02:59 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	1-2 km
18	70.27	- 147.03	1:03:32 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	3-5 km	5-10 km
19	70.3	- 147.17	1:05:04 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
20	70.35	- 147.37	1:07:11 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
21	70.47	- 147.88	1:12:44 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
22	70.48	- 147.94	1:13:23 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
23	70.51	- 148.09	1:14:51 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	1-2 km
24	70.53	- 148.26	1:16:25 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
25	70.58	- 148.56	1:19:20 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
26	70.62	- 148.77	1:21:33 PM	no ice	0	B3 scattered caps, 7-10 kt	overcast	2-3 km	3-5 km
27	70.68	- 148.99	1:23:57 PM	no ice	0	B3 scattered caps, 7-10 kt	overcast	<1 km	1-2 km
28	70.7	-149.1	1:25:02 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	2-3 km	3-5 km
29	70.78	- 149.53	1:29:29 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
30	70.78	- 149.56	1:29:49 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
31	70.86	- 149.99	1:34:06 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	5-10 km
32	70.89	- 150.16	1:35:49 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	5-10 km
33	70.9	-150.2	1:36:13 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	1-2 km	5-10 km
34	70.91	- 150.28	1:36:57 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	<1 km	<1 km
35	70.92	- 150.42	1:38:17 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
36	70.92	- 150.69	1:40:35 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	1-2 km
37	70.96	- 151.26	1:45:46 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
38	70.96	- 151.32	1:49:21 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
39	71	- 151.49	1:51:12 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
40	71.04	- 151.61	1:52:40 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
41	71.07	- 151.75	1:54:17 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
42	71.09	- 151.83	1:55:09 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
43	71.09	- 151.84	1:55:14 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
44	71.16	- 152.08	1:58:00 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
45	71.17	- 152.11	1:58:18 PM	no ice	0	B2 sm waves, 4-6 kt	overcast	5-10 km	5-10 km
46	71.2	- 152.24	1:59:53 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
47	71.31	- 152.65	2:04:34 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km

48	71.32	- 152.66	2:05:04 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
49	71.48	- 152.67	2:10:20 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
50	71.5	- 152.67	2:10:51 PM	no ice	0	B1 ripples, 1-3 kt	overcast	5-10 km	5-10 km
51	71.51	- 152.66	2:11:10 PM	no ice	0	B1 ripples, 1-3 kt	overcast	1-2 km	5-10 km
52	71.56	- 152.51	2:13:39 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	5-10 km
53	71.6	- 152.48	2:17:37 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	5-10 km
54	71.61	- 152.48	2:18:01 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	5-10 km
55	71.62	- 152.48	2:18:22 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	5-10 km
56	71.65	- 152.49	2:19:10 PM	no ice	0	B1 ripples, 1-3 kt	overcast	2-3 km	5-10 km
57	71.67	- 152.49	2:19:58 PM	no ice	0	B1 ripples, 1-3 kt	overcast	1-2 km	5-10 km
58	71.75	- 152.54	2:22:37 PM	no ice	0	B1 ripples, 1-3 kt	overcast	<1 km	5-10 km
59	71.77	- 152.56	2:23:15 PM	no ice	0	B1 ripples, 1-3 kt	partly cloudy	1-2 km	5-10 km
60	71.82	- 152.71	2:25:18 PM	no ice	0	B1 ripples, 1-3 kt	partly cloudy	1-2 km	5-10 km
61	71.82	- 152.72	2:25:30 PM	no ice	0	B1 ripples, 1-3 kt	partly cloudy	1-2 km	5-10 km
62	71.83	- 152.75	2:26:02 PM	no ice	0	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
63	71.89	- 152.76	2:27:43 PM	no ice	0	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
64	71.89	- 152.76	2:27:54 PM	no ice	0	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
65	71.92	- 152.77	2:28:56 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
66	72	- 152.78	2:31:35 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
67	72.01	- 152.76	2:31:55 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
69	72.01	- 152.61	2:33:29 PM	grease/new	1	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
70	72.01	- 152.56	2:33:52 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
71	72.01	-152.5	2:34:31 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
72	72.01	- 152.48	2:34:56 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
73	71.84	- 152.44	2:40:23 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
74	71.78	- 152.43	2:42:21 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	<1 km
75	71.77	- 152.43	2:42:41 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	3-5 km
76	71.62	- 152.38	2:47:48 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	3-5 km
77	71.6	- 152.38	2:48:23 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	3-5 km
78	71.59	- 152.38	2:48:35 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	3-5 km
79	71.58	- 152.38	2:49:03 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
80	71.56	- 152.37	2:49:38 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
81	71.52	- 152.37	2:50:55 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
82	71.45	- 152.35	2:53:17 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	3-5 km

83	71.3	- 152.32	2:58:12 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	3-5 km
84	71.29	- 152.29	2:58:46 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
85	71.29	- 152.13	3:00:24 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	1-2 km	<1 km
86	71.28	- 151.94	3:02:28 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	5-10 km
87	71.28	- 151.88	3:03:07 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	<1 km	<1 km
88	71.27	- 151.73	3:04:42 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	0 km	0 km
89	71.27	-151.7	3:04:59 PM	no ice	0	n/a	partly cloudy	0 km	0 km
90	71.28	- 151.64	3:05:50 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	2-3 km
91	71.31	- 151.61	3:06:53 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	2-3 km
92	71.38	- 151.62	3:09:07 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	2-3 km
93	71.39	- 151.61	3:09:19 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	1-2 km	2-3 km
94	71.42	- 151.63	3:10:24 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	1-2 km	2-3 km
95	71.43	- 151.66	3:10:55 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
98	71.45	- 151.65	3:11:41 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
99	71.46	- 151.66	3:11:48 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
100	71.45	- 151.64	3:13:34 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
101	71.48	- 151.66	3:14:33 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
102	71.67	- 151.68	3:21:01 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
103	71.78	- 151.69	3:24:35 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
104	71.94	- 151.71	3:29:41 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
105	72	- 151.71	3:31:48 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
106	72.01	- 151.69	3:32:12 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
107	72.01	- 151.58	3:33:22 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
108	72.01	- 151.55	3:33:44 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
109	72.01	- 151.51	3:34:05 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
110	72.01	-151.5	3:34:17 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
111	71.98	- 151.49	3:35:08 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
112	71.82	- 151.45	3:40:13 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
113	71.63	-151.4	3:46:37 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
114	71.58	- 151.38	3:48:15 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
115	71.52	- 151.37	3:50:16 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
116	71.48	- 151.36	3:51:29 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
117	71.34	- 151.33	3:55:52 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	<1 km	5-10 km
119	71.3	- 151.32	3:57:20 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	<1 km	5-10 km

120	71.29	-151.3	3:57:43 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	2-3 km	5-10 km
121	71.28	-151.21	3:58:45 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
122	71.26	-150.86	4:02:32 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
123	71.27	-150.81	4:03:07 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
124	71.3	-150.79	4:04:12 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	3-5 km	2-3 km
125	71.32	-150.79	4:04:49 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
126	71.48	-150.81	4:10:09 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
127	71.58	-150.82	4:13:20 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
128	71.71	-150.84	4:17:30 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
129	71.86	-150.86	4:22:33 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
130	72	-150.87	4:27:26 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
131	72.01	-150.85	4:27:50 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
132	72	-150.48	4:31:42 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
133	72	-150.37	4:32:55 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
134	72	-150.29	4:33:45 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
135	72.01	-150.25	4:34:11 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
136	72	-150.23	4:34:28 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
137	71.98	-150.23	4:34:58 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
138	71.95	-150.23	4:36:09 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
139	71.79	-150.23	4:41:13 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
140	71.42	-150.21	4:53:25 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
141	71.3	-150.2	4:57:25 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
142	71.28	-150.17	4:58:14 PM	no ice	0	B3 scattered caps, 7-10 kt	partly cloudy	5-10 km	5-10 km
143	71.14	-149.92	5:03:21 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
144	70.94	-149.61	5:10:39 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
145	70.84	-149.45	5:14:23 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	<1 km
146	70.81	-149.41	5:15:28 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
147	70.76	-149.34	5:17:21 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
148	70.67	-149.19	5:20:47 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	5-10 km
149	70.55	-149.08	5:24:41 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	1-2 km	5-10 km
150	70.5	-149.04	5:26:21 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	<1 km	5-10 km
151	70.48	-149	5:26:57 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	<1 km	<1 km
152	70.47	-148.89	5:28:03 PM	no ice	0	B2 sm waves, 4-6 kt	partly cloudy	<1 km	0 km
153	70.46	-148.88	5:28:18 PM	no ice	0	n/a	overcast	0 km	0 km

154	70.41	- 148.76	5:30:22 PM	no ice	0	n/a	overcast	0 km	0 km
155	70.4	- 148.75	5:30:42 PM	no ice	0	n/a	overcast	0 km	0 km