

COMIDA3 – Flight 42 – October 25 2008

Area flown: Block 14, one transect; Block 13, five westernmost transects

Total hours flown: 6.8

Total transect hours: 3.6

Number of bowheads seen: 0 (0 calves)

Weather and visibility: Sea conditions were variable, ranging from Beaufort 1 to Beaufort 6.

Visibility overall was good though, as sunset approached, light conditions deteriorated to poor for the last two transects. Ceilings were also low near the coast in Block 13. There was substantial new ice in blocks 13 and 14. Block 17 was unworkable due to widespread snow showers and low ceilings.

Sightings: Belugas and unidentified pinnipeds

Bowhead Preliminary Summary, Flight 42 Date: 10/25/2008

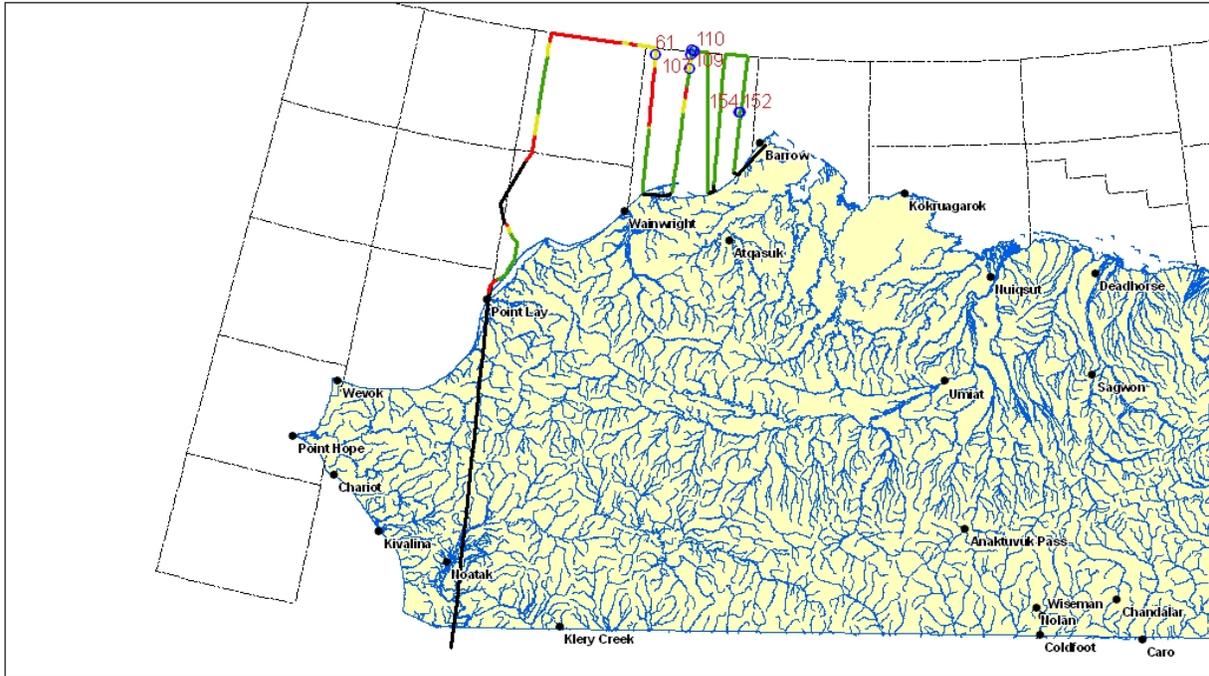
Total bowheads: 0	Start time: 10/25/2008 11:45:59 AM	End time: 10/25/2008 6:30:26 PM
Bowhead sightings: 0	Transect minutes: 214	Transect km:742
Bowheads on transect: 0	Connect minutes: 6	Connect km: 24.4
Bowhead calves: 0	Trans+Con minutes: 220	Trans+Con km: 766.4
Bowhead calves on transect: 0	Search minutes: 67	Search km: 210.4
Bowhead repeats: 0	Total minutes: 405	Total km: 1432
Possible repeats: 0	Deadhead minutes: 118	Deadhead km: 455.2
Total gray whales: 0	Search blocks: 20, 17, 14, 0, 13	
Total belugas: 25	Transect blocks: 17, 14, 13	
Other whale sightings: 0		
Total walrus: 0		
Total bear: 0		

Event	Lat	Long	Block	Species	Total	Repeat	Calves	Swim direction	Swim Speed	Behavior	On effort
61	71.95	-159.72	13	beluga whale	2	.	1	-1	slow	swim	True
104	71.85	-158.79	13	beluga whale	2	.	0	211	medium	swim	True
107	71.97	-158.78	13	beluga whale	5	.	0	189	slow	swim	True
109	72.01	-158.75	0	beluga whale	5	.	0	109	medium	swim	False
110	72.01	-158.68	0	beluga whale	1	.	0	162	medium	swim	False
152	71.53	-157.35	13	beluga whale	1	.	0	-1	.	.	True
154	71.53	-157.4	13	beluga whale	9	.	0	-1	.	.	False

Flightlines by Sea State

- B0 - B2
- B3, B4
- B5, B6
- B7 - B12
- n/a

**Minerals Management Service
Comida 3 Aerial Survey Program
Flight 42, 10/25/2008**



Meteorological/Oceanographic Summary, Flight 42 Date: 10/25/2008

Event	Lat	Long	Time	Type	% Ice	SeaState	Sky	Vis impeded left	Vis impeded right
1	66.88	-162.61	11:45:59 AM	.	-1	n/a	clear	.	.
2	66.88	-162.61	11:51:43 AM	.	-1	n/a	clear	.	.
3	66.89	-162.61	11:56:47 AM	.	-1	n/a	clear	.	.
4	67.04	-162.62	12:04:19 PM	.	-1	n/a	clear	.	.
5	67.25	-162.65	12:09:29 PM	.	-1	n/a	clear	.	.
6	67.47	-162.67	12:14:36 PM	.	-1	n/a	clear	.	.
7	67.68	-162.7	12:19:40 PM	.	-1	n/a	clear	.	.
8	67.99	-162.75	12:27:02 PM	.	-1	n/a	clear	.	.
9	68.2	-162.77	12:32:07 PM	.	-1	n/a	clear	.	.
10	68.42	-162.8	12:37:10 PM	.	-1	n/a	clear	.	.
11	68.63	-162.84	12:42:14 PM	.	-1	n/a	clear	.	.
12	68.85	-162.87	12:47:17 PM	.	-1	n/a	clear	.	.

13	69.07	- 162.91	12:52:29 PM	.	-1	n/a	clear	.	.
14	69.3	- 162.94	12:57:34 PM	.	-1	n/a	clear	.	.
15	69.51	- 162.98	1:02:38 PM	.	-1	n/a	clear	.	.
16	69.71	- 163.01	1:07:44 PM	.	-1	n/a	clear	.	.
17	69.79	- 163.03	1:10:03 PM	shorefast	100	n/a	clear	2-3 km	1-2 km
18	69.82	- 163.04	1:10:41 PM	grease/new	50	B6 all caps, 22-27 kt	clear	2-3 km	1-2 km
19	69.87	- 163.05	1:11:47 PM	no ice	0	B6 all caps, 22-27 kt	clear	5-10 km	<1 km
20	69.91	- 162.97	1:12:58 PM	grease/new	40	B6 all caps, 22-27 kt	clear	5-10 km	<1 km
21	69.93	- 162.88	1:13:55 PM	grease/new	90	B1 ripples, 1-3 kt	clear	5-10 km	<1 km
23	69.98	- 162.71	1:15:54 PM	grease/new	60	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	<1 km
24	70.02	- 162.69	1:16:53 PM	grease/new	70	B2 sm waves, 4-6 kt	partly cloudy	5-10 km	3-5 km
25	70.11	- 162.56	1:19:40 PM	grease/new	80	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	5-10 km
26	70.2	- 162.56	1:21:55 PM	grease/new	80	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	5-10 km
27	70.22	- 162.56	1:22:33 PM	grease/new	80	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
28	70.26	- 162.58	1:23:47 PM	grease/new	80	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
29	70.3	- 162.69	1:25:32 PM	grease/new	20	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
30	70.31	- 162.72	1:26:03 PM	grease/new	5	B2 sm waves, 4-6 kt	partly cloudy	3-5 km	3-5 km
31	70.33	- 162.77	1:27:00 PM	grease/new	5	B3 scattered caps, 7- 10 kt	partly cloudy	3-5 km	3-5 km
32	70.36	-162.8	1:27:45 PM	grease/new	5	B4 numerous caps, 11-16 kt	partly cloudy	1-2 km	3-5 km
33	70.39	- 162.86	1:28:48 PM	grease/new	5	B5 many caps, 17-21 kt	partly cloudy	1-2 km	3-5 km
34	70.4	- 162.96	1:30:03 PM	no ice	0	n/a	partly cloudy	0 km	0 km
35	70.55	- 163.12	1:35:27 PM	no ice	0	n/a	partly cloudy	0 km	0 km
36	70.75	-162.9	1:41:04 PM	no ice	0	n/a	partly cloudy	0 km	0 km
37	70.88	- 162.72	1:46:08 PM	no ice	0	n/a	partly cloudy	0 km	0 km
38	70.93	- 162.64	1:48:13 PM	grease/new	5	B5 many caps, 17-21 kt	partly cloudy	5-10 km	3-5 km
39	70.98	- 162.58	1:49:39 PM	grease/new	5	B6 all caps, 22-27 kt	partly cloudy	5-10 km	3-5 km
40	71.01	- 162.55	1:50:36 PM	grease/new	10	B5 many caps, 17-21 kt	partly cloudy	3-5 km	5-10 km
41	71.15	- 162.55	1:55:07 PM	grease/new	70	B3 scattered caps, 7- 10 kt	partly cloudy	3-5 km	5-10 km
42	71.33	- 162.55	2:00:45 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	3-5 km	5-10 km
43	71.41	- 162.55	2:03:07 PM	grease/new	90	B0 glassy, <1 kt	partly cloudy	3-5 km	5-10 km
44	71.48	- 162.55	2:05:14 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	3-5 km	5-10 km
45	71.65	- 162.55	2:10:22 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	3-5 km	5-10 km
46	71.81	- 162.55	2:15:00 PM	grease/new	60	B4 numerous caps, 11-16 kt	partly cloudy	2-3 km	5-10 km
47	71.86	- 162.55	2:16:14 PM	grease/new	30	B4 numerous caps, 11-16 kt	partly cloudy	2-3 km	5-10 km

48	71.93	- 162.55	2:18:22 PM	grease/new	50	B5 many caps, 17-21 kt	partly cloudy	2-3 km	5-10 km
49	71.99	- 162.55	2:20:01 PM	grease/new	50	B5 many caps, 17-21 kt	partly cloudy	2-3 km	5-10 km
50	72	- 162.51	2:20:33 PM	no ice	0	B6 all caps, 22-27 kt	partly cloudy	5-10 km	5-10 km
51	72	- 161.86	2:25:58 PM	grease/new	2	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
52	72	- 161.43	2:29:22 PM	no ice	0	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
53	72	- 160.76	2:34:43 PM	no ice	0	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
54	72	- 160.61	2:35:54 PM	no ice	0	B4 numerous caps, 11-16 kt	partly cloudy	5-10 km	5-10 km
55	72	- 160.42	2:37:21 PM	no ice	0	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
56	72	- 160.28	2:38:30 PM	no ice	0	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
57	72	- 160.22	2:38:59 PM	no ice	0	B4 numerous caps, 11-16 kt	partly cloudy	5-10 km	5-10 km
58	72	- 159.77	2:42:36 PM	no ice	0	B3 scattered caps, 7- 10 kt	partly cloudy	5-10 km	5-10 km
59	71.99	- 159.72	2:43:18 PM	no ice	0	B3 scattered caps, 7- 10 kt	partly cloudy	5-10 km	5-10 km
60	71.95	- 159.71	2:44:35 PM	no ice	0	B4 numerous caps, 11-16 kt	partly cloudy	5-10 km	5-10 km
61	71.95	- 159.72	2:44:49 PM	no ice	0	B4 numerous caps, 11-16 kt	partly cloudy	5-10 km	5-10 km
62	71.94	- 159.72	2:44:51 PM	no ice	0	B4 numerous caps, 11-16 kt	partly cloudy	5-10 km	5-10 km
63	71.95	-159.7	2:48:14 PM	no ice	0	B4 numerous caps, 11-16 kt	partly cloudy	5-10 km	5-10 km
64	71.82	- 159.71	2:52:36 PM	no ice	0	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
65	71.74	- 159.71	2:55:37 PM	no ice	0	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
66	71.69	- 159.71	2:57:27 PM	grease/new	2	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
67	71.67	- 159.71	2:57:51 PM	grease/new	5	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
68	71.61	-159.7	3:00:10 PM	grease/new	5	B6 all caps, 22-27 kt	partly cloudy	5-10 km	5-10 km
69	71.47	-159.7	3:05:13 PM	grease/new	5	B6 all caps, 22-27 kt	partly cloudy	5-10 km	5-10 km
70	71.43	- 159.69	3:06:51 PM	grease/new	5	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
71	71.42	- 159.69	3:07:13 PM	grease/new	10	B5 many caps, 17-21 kt	partly cloudy	5-10 km	5-10 km
72	71.34	- 159.69	3:09:52 PM	grease/new	70	B3 scattered caps, 7- 10 kt	partly cloudy	5-10 km	5-10 km
73	71.32	- 159.69	3:10:38 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
74	71.21	- 159.68	3:14:27 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
75	71.06	- 159.68	3:19:15 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	1-2 km	<1 km
76	71.05	- 159.68	3:19:37 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	3-5 km	3-5 km
77	70.94	- 159.67	3:23:09 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	<1 km	<1 km
78	70.93	- 159.67	3:23:31 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	3-5 km	3-5 km
79	70.88	- 159.66	3:25:16 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	3-5 km	3-5 km
80	70.79	- 159.66	3:28:19 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	3-5 km	3-5 km
81	70.78	- 159.65	3:28:34 PM	no ice	0	n/a	partly cloudy	0 km	0 km

82	70.8	- 158.99	3:33:38 PM	no ice	0	n/a	partly cloudy	0 km	0 km
83	70.83	- 158.92	3:34:46 PM	grease/new	90	B0 glassy, <1 kt	partly cloudy	<1 km	<1 km
84	70.9	- 158.91	3:36:50 PM	grease/new	90	B0 glassy, <1 kt	partly cloudy	<1 km	2-3 km
85	71	-158.9	3:39:26 PM	grease/new	90	B0 glassy, <1 kt	partly cloudy	3-5 km	5-10 km
86	71.02	-158.9	3:40:11 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	3-5 km	5-10 km
87	71.1	- 158.89	3:42:25 PM	grease/new	90	B0 glassy, <1 kt	clear	3-5 km	5-10 km
88	71.11	- 158.89	3:42:54 PM	grease/new	90	B0 glassy, <1 kt	clear	3-5 km	5-10 km
89	71.14	- 158.88	3:43:47 PM	grease/new	80	B1 ripples, 1-3 kt	clear	3-5 km	5-10 km
90	71.29	- 158.86	3:48:21 PM	grease/new	80	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
91	71.5	- 158.84	3:54:27 PM	grease/new	70	B3 scattered caps, 7- 10 kt	clear	5-10 km	5-10 km
92	71.58	- 158.83	3:56:50 PM	grease/new	30	B4 numerous caps, 11-16 kt	clear	5-10 km	5-10 km
93	71.61	- 158.83	3:57:53 PM	grease/new	10	B5 many caps, 17-21 kt	clear	5-10 km	5-10 km
94	71.7	- 158.81	4:00:46 PM	grease/new	10	B2 sm waves, 4-6 kt	clear	5-10 km	5-10 km
95	71.72	- 158.81	4:01:24 PM	grease/new	10	B2 sm waves, 4-6 kt	clear	5-10 km	5-10 km
98	71.74	- 158.81	4:02:00 PM	grease/new	10	B2 sm waves, 4-6 kt	clear	5-10 km	5-10 km
99	71.76	- 158.81	4:04:52 PM	grease/new	30	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
100	71.79	-158.8	4:05:50 PM	grease/new	30	B3 scattered caps, 7- 10 kt	clear	5-10 km	5-10 km
102	71.8	-158.8	4:06:03 PM	grease/new	30	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
103	71.83	-158.8	4:10:05 PM	grease/new	10	B3 scattered caps, 7- 10 kt	partly cloudy	5-10 km	5-10 km
104	71.85	- 158.79	4:10:42 PM	grease/new	10	B3 scattered caps, 7- 10 kt	partly cloudy	5-10 km	5-10 km
105	71.88	- 158.79	4:11:39 PM	grease/new	10	B4 numerous caps, 11-16 kt	partly cloudy	5-10 km	5-10 km
106	71.94	- 158.78	4:13:30 PM	grease/new	70	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
107	71.97	- 158.78	4:14:20 PM	grease/new	70	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
108	72	- 158.78	4:15:24 PM	grease/new	70	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
109	72.01	- 158.75	4:15:44 PM	grease/new	70	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
110	72.01	- 158.68	4:16:28 PM	grease/new	70	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
111	72	- 158.54	4:18:03 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	3-5 km	5-10 km
112	72.01	- 158.35	4:19:48 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	3-5 km	5-10 km
113	71.99	- 158.35	4:20:15 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
114	71.93	- 158.33	4:22:43 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
115	71.8	- 158.29	4:27:18 PM	grease/new	60	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
116	71.77	- 158.29	4:28:07 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
117	71.71	- 158.27	4:30:14 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
118	71.67	- 158.25	4:31:55 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km

119	71.52	- 158.21	4:37:02 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
120	71.38	- 158.17	4:42:10 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
121	71.23	- 158.13	4:47:23 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
122	71.18	- 158.12	4:49:13 PM	grease/new	80	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
123	71.17	- 158.12	4:49:39 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
124	71.11	-158.1	4:51:49 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	<1 km
125	71.1	-158.1	4:52:14 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
126	71.02	- 158.08	4:54:40 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
127	70.94	- 158.06	4:57:38 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	2-3 km
128	70.85	- 158.03	5:00:52 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	2-3 km
129	70.84	-158	5:01:06 PM	grease/new	100	n/a	overcast	3-5 km	2-3 km
130	70.87	- 157.87	5:02:31 PM	grease/new	100	n/a	overcast	3-5 km	2-3 km
131	70.88	-157.9	5:03:03 PM	grease/new	100	n/a	overcast	3-5 km	3-5 km
132	70.93	-157.9	5:04:19 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
133	70.97	-157.9	5:05:27 PM	grease/new	80	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
134	71	-157.9	5:06:23 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
135	71.06	-157.9	5:08:11 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
137	71.19	-157.9	5:12:03 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
138	71.25	-157.9	5:14:05 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
139	71.43	-157.9	5:19:13 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
140	71.61	- 157.89	5:24:22 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
141	71.75	- 157.89	5:28:24 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
142	71.92	- 157.89	5:33:27 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
143	71.99	- 157.89	5:35:42 PM	grease/new	90	B1 ripples, 1-3 kt	overcast	3-5 km	3-5 km
144	72	- 157.87	5:36:00 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	3-5 km	3-5 km
145	72	- 157.32	5:41:23 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	3-5 km	3-5 km
146	71.99	- 157.29	5:42:09 PM	grease/new	80	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
147	71.97	- 157.27	5:42:47 PM	grease/new	80	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
148	71.94	- 157.28	5:43:44 PM	grease/new	90	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
149	71.81	- 157.31	5:48:47 PM	grease/new	90	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
150	71.77	- 157.31	5:49:55 PM	grease/new	90	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
151	71.63	- 157.34	5:54:58 PM	grease/new	90	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
152	71.53	- 157.35	5:58:16 PM	grease/new	90	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
153	71.53	- 157.35	5:58:17 PM	grease/new	90	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km

154	71.53	-157.4	5:59:07 PM	grease/new	90	B1 ripples, 1-3 kt	clear	5-10 km	5-10 km
155	71.51	- 157.35	6:03:51 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	5-10 km
156	71.44	- 157.36	6:06:02 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	2-3 km
157	71.37	- 157.37	6:08:23 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	5-10 km	1-2 km
158	71.27	- 157.39	6:11:45 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	<1 km	<1 km
159	71.1	- 157.41	6:16:56 PM	grease/new	90	B1 ripples, 1-3 kt	partly cloudy	<1 km	<1 km
160	71.03	- 157.42	6:19:25 PM	no ice	0	n/a	partly cloudy	0 km	0 km
161	71.02	- 157.28	6:21:51 PM	no ice	0	n/a	partly cloudy	0 km	0 km
162	71.03	- 157.29	6:22:10 PM	no ice	0	n/a	partly cloudy	0 km	0 km
164	71.28	- 156.67	6:30:26 PM	no ice	0	n/a	partly cloudy	0 km	0 km