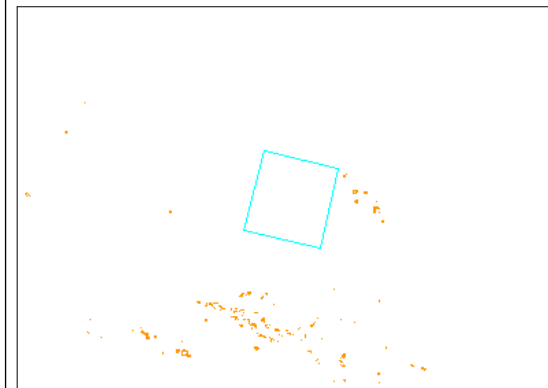


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## VESSEL DETECTION REPORT



### Acquisition Information

**Satellite:** RADARSAT-2  
**Sensor:** SAR  
**Swath:** DVWF  
**Polarization:** HH  
**Resolution:** 38 m  
**Incidence angle:** Near: 35° Far: 56°  
**Acquisition Time:** 2019-09-07 15:01:45.7 UTC  
**Scene coordinates:** 06°37'21"S 145°06'06"W  
 07°35'30"S 141°01'43"W  
 10°57'26"S 146°10'26"W  
 11°57'55"S 142°03'35"W

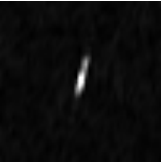
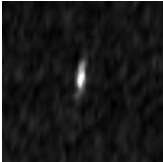

### 22 Vessels detected

**Correlated :** 19 (green)  
**Only in SAR:** 3 (red)  
**Comment**

Good image quality

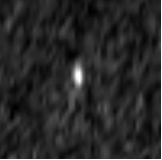
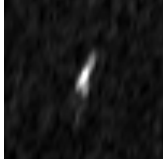




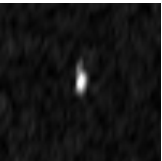


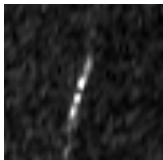


# Detected vessels - Only in SAR


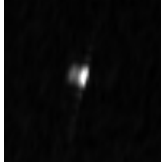
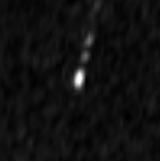
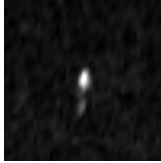

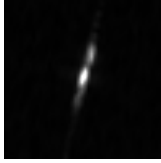

Detection thumbnail size 1000x1000 m

 <p><b>Position</b> 09°05'01"S 144°38'55"W <b>Heading(SAR)</b> 197° <b>Length(SAR)</b> 130 m <b>Width(SAR)</b> 14 m</p> <p><b>Confidence</b> HIGH</p>	 <p><b>Position</b> 08°57'18"S 145°04'33"W <b>Heading(SAR)</b> 008° <b>Length(SAR)</b> 76 m <b>Width(SAR)</b> 8 m</p> <p><b>Confidence</b> HIGH</p>
 <p><b>Position</b> 09°00'42"S 144°44'34"W <b>Heading(SAR)</b> 017° <b>Length(SAR)</b> 91 m <b>Width(SAR)</b> 12 m</p> <p><b>Confidence</b> HIGH</p>	

## Detected vessels - Correlated with AIS

Detection thumbnail size 1000x1000 m

	<b>MMSI</b> 111113538 <b>IMO</b> <b>Name</b> Q0827 11V <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 10°36'27"S 145°33'18"W <b>Heading</b> 103° <b>Speed</b> 2 kts <b>Confidence</b> HIGH <b>Time Offset</b> +00:22:55		<b>MMSI</b> 412695490 <b>IMO</b> <b>Name</b> unknown <b>Length</b> 45 m <b>Vessel Type</b> Fishing	<b>Position</b> 10°34'33"S 145°43'11"W <b>Heading</b> 267° <b>Speed</b> 3 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:22:12
	<b>MMSI</b> 577245000 <b>IMO</b> <b>Name</b> OCEAN TRINITY <b>Length</b> m <b>Vessel Type</b> Fishing	<b>Position</b> 10°46'56"S 144°45'52"W <b>Heading</b> 73° <b>Speed</b> 10 kts <b>Confidence</b> HIGH <b>Time Offset</b> +00:33:10		<b>MMSI</b> 200610 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 10°42'02"S 144°54'04"W <b>Heading</b> 264° <b>Speed</b> 9 kts <b>Confidence</b> HIGH <b>Time Offset</b> +00:38:47
	<b>MMSI</b> 416097500 <b>IMO</b> <b>Name</b> YUAN BAO NO.888 <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 10°28'02"S 145°31'16"W <b>Heading</b> 86° <b>Speed</b> 10 kts <b>Confidence</b> HIGH <b>Time Offset</b> +00:24:05		<b>MMSI</b> 990095024 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 10°26'11"S 145°37'05"W <b>Heading</b> 267° <b>Speed</b> 10 kts <b>Confidence</b> HIGH <b>Time Offset</b> +00:41:54
	<b>MMSI</b> 412685220 <b>IMO</b> <b>Name</b> unknown <b>Length</b> 60 m <b>Vessel Type</b> Fishing	<b>Position</b> 10°20'58"S 145°39'08"W <b>Heading</b> 260° <b>Speed</b> 4 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:25:39		<b>MMSI</b> 546018800 <b>IMO</b> 9677492 <b>Name</b> ARANUI 5 <b>Length</b> 126 m <b>Vessel Type</b> Passenger	<b>Position</b> 11°07'49"S 142°21'03"W <b>Heading</b> 233° <b>Speed</b> 14 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:10:38
	<b>MMSI</b> 577257000 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 10°05'24"S 145°31'58"W <b>Heading</b> 268° <b>Speed</b> 9 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:21:59		<b>MMSI</b> 577246000 <b>IMO</b> <b>Name</b> OCEAN STAR 8 <b>Length</b> m <b>Vessel Type</b> Fishing	<b>Position</b> 10°17'36"S 144°31'29"W <b>Heading</b> 156° <b>Speed</b> 10 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:26:17
	<b>MMSI</b> 111103124 <b>IMO</b> <b>Name</b> CC226 BUOY-14 100% <b>Length</b> 10 m <b>Vessel Type</b> 25	<b>Position</b> 09°55'34"S 145°49'29"W <b>Heading</b> 143° <b>Speed</b> 0 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:22:10		<b>MMSI</b> 412200079 <b>IMO</b> <b>Name</b> unknown <b>Length</b> 60 m <b>Vessel Type</b> Fishing	<b>Position</b> 09°32'32"S 145°46'55"W <b>Heading</b> 268° <b>Speed</b> 10 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:26:14

	<b>MMSI</b> 412326798 <b>IMO</b> <b>Name</b> HONG YANG 8 <b>Length</b> 37 m <b>Vessel Type</b> Fishing	<b>Position</b> 09°26'40"S 144°13'04"W <b>Heading</b> 357° <b>Speed</b> 7 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:10:06		<b>MMSI</b> 518100014 <b>IMO</b> 9188520 <b>Name</b> HAISOON 39 <b>Length</b> 103 m <b>Vessel Type</b> Tanker	<b>Position</b> 08°56'45"S 145°34'14"W <b>Heading</b> 299° <b>Speed</b> 12 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:11:49
	<b>MMSI</b> 441014000 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 08°55'52"S 144°35'16"W <b>Heading</b> 46° <b>Speed</b> 11 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:26:43		<b>MMSI</b> 440944000 <b>IMO</b> 8515082 <b>Name</b> AGNES 95 <b>Length</b> 45 m <b>Vessel Type</b> Fishing	<b>Position</b> 07°09'50"S 144°14'41"W <b>Heading</b> 140° <b>Speed</b> 7 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:27:09
	<b>MMSI</b> 98345876 <b>IMO</b> <b>Name</b> NET MARK-FH5-0001 <b>Length</b> 4 m <b>Vessel Type</b> Reserved	<b>Position</b> 10°46'23"S 146°03'47"W <b>Heading</b> 306° <b>Speed</b> 1 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:22:05		<b>MMSI</b> 564738000 <b>IMO</b> 9499010 <b>Name</b> CAP PAPATELE <b>Length</b> 148 m <b>Vessel Type</b> Cargo	<b>Position</b> 06°57'04"S 144°54'54"W <b>Heading</b> 205° <b>Speed</b> 15 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:12:50
	<b>MMSI</b> 412695430 <b>IMO</b> <b>Name</b> unknown <b>Length</b> 30 m <b>Vessel Type</b> Fishing	<b>Position</b> 10°40'08"S 145°52'06"W <b>Heading</b> 212° <b>Speed</b> 2 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:20:39			

# AIS/VMS

#	MMSI	IMO	Name	Position	Speed(kt)	Heading	Type	Time Offset	Data
1	111111121		0603	10°04'23"S 146°06'28"W	1	60°		-00:24:16	KSAT
2	111111153		0605	10°02'30"S 145°55'14"W	2	67°		-00:23:10	KSAT
3	111111155		0606	10°00'22"S 145°45'21"W	0	90°		-00:25:56	KSAT
4	111111156		0607	10°00'05"S 145°35'32"W	0	80°		-00:22:15	KSAT
5	111111157		0608	10°00'30"S 145°25'30"W	0	55°		-00:26:27	KSAT
6	111111160		089	09°00'48"S 145°44'49"W	1	135°		-00:25:23	KSAT
7	111111173		QYY13007	10°34'32"S 145°50'51"W	1	269°		-00:25:42	KSAT
8	111111353		LQ16007	09°41'34"S 145°56'20"W	1	147°		-00:25:46	KSAT
9	111111701		LG107008	09°22'14"S 145°54'42"W	1	227°		-00:25:36	KSAT
10	111111708		FU109	09°12'00"S 145°43'44"W	0	123°		-00:25:15	KSAT
11	111111709		FU110	09°11'06"S 146°06'53"W	1	162°		-00:24:13	KSAT
12	111111765		QYY130012	10°05'45"S 145°31'44"W	9	277°		+00:40:58	KSAT
13	111111771		LQ1705	09°27'20"S 145°52'50"W	9	267°		+00:37:24	KSAT
14	111112106		FU58815	09°32'49"S 145°38'56"W	1	45°		-00:24:38	KSAT
15	111112189		unknown	09°03'45"S 145°52'15"W	1	118°		-00:20:15	KSAT
16	111112203		unknown	09°28'42"S 145°51'07"W	1	0°		+00:40:20	KSAT
17	111112205		unknown	09°22'43"S 146°01'04"W	1	297°		+00:37:50	KSAT
18	111112598		Q0816	10°19'56"S 146°03'16"W	1	0°		-00:22:17	KSAT
19	111112600		Q0818	10°19'09"S 145°49'10"W	3	200°		-00:25:49	KSAT
20	111112761		QYY13016	10°22'00"S 145°43'11"W	2	93°		-00:25:36	KSAT
21	111112763		QYY13018	10°05'01"S 145°31'45"W	10	269°		-00:25:47	KSAT
22	111112890		LU08010	09°00'31"S 145°48'19"W	1	35°		-00:26:34	KSAT
23	111112897		LG109018	09°39'52"S 145°33'47"W	2	78°		-00:24:08	KSAT
24	111112898		unknown	09°40'23"S 145°48'24"W	1	291°		+00:38:39	KSAT
25	111112900		LG109021	09°40'42"S 145°35'28"W	1	249°		-00:25:59	KSAT
26	111112915		FU55818	09°32'40"S 145°31'55"W	0	100°		+00:41:20	KSAT
27	111113132		QYY13020	10°05'55"S 145°26'12"W	1	61°		-00:26:54	KSAT
28	111113216		LQ16020 12V	09°32'05"S 145°46'47"W	10	266°		+00:36:10	KSAT
29	111113285		J00819 11V	10°34'21"S 145°43'14"W	3	274°		-00:34:09	KSAT
30	111113286		J00820 11V	10°30'52"S 146°06'56"W	2	229°		+00:40:13	KSAT
31	111113287		J00821 11V	10°34'25"S 145°43'15"W	2	267°		+00:30:03	KSAT
32	111113288		LU08013 11V	09°00'30"S 145°59'47"W	2	41°		-00:21:07	KSAT
33	111113290		LU08016 11V	09°04'29"S 146°03'16"W	1	150°		+00:41:55	KSAT
34	118112811		LQ16855 12V	10°18'03"S 145°36'13"W	1	262°		+00:42:13	KSAT
35	119030501		LG109022 12V	09°43'24"S 146°03'03"W	1	36°		+01:00:45	KSAT
36	119030502		LG109023 12V	09°32'45"S 145°43'59"W	5	189°		-00:26:27	KSAT
37	120389002		BUOY-02 84%	09°06'20"S 145°18'36"W	0	119°	25	-00:23:30	KSAT
38	120389003		BUOY-03 100%	08°59'13"S 145°19'40"W	0	318°	25	-00:25:08	KSAT
39	120389004		BUOY-01 11.2V	08°56'40"S 145°09'40"W	0	210°	25	-00:26:59	KSAT
40	168888803		168888803	09°41'59"S 146°14'35"W	10	73°	25	+00:37:39	KSAT
41	186121504		BUOY-JY906B004-- 86%	10°37'39"S 145°17'07"W	2	80°		+00:41:32	KSAT
42	186121505		BUOY-JY906B005-- 00%	10°35'55"S 145°09'58"W	2	8°		+00:41:52	KSAT
43	186121507		BUOY-JY906B007-- 00%	10°35'25"S 145°02'60"W	2	140°		+00:38:52	KSAT
44	186121508		BUOY-JY906B008-- 92%	10°38'28"S 145°31'13"W	2	144°		+01:00:54	KSAT
45	186121509		BUOY-JY906B009-- 87%	10°35'46"S 144°55'56"W	2	163°		+01:01:08	KSAT
46	200603		PL200603	10°40'14"S 145°37'41"W	1	0°		+00:40:12	KSAT
47	200607		PL200607	10°36'03"S 144°49'17"W	1	0°		+00:38:09	KSAT
48	200608		PL200608	10°40'21"S 144°51'15"W	1	0°		+00:36:19	KSAT
49	200609		PL200609	10°41'24"S 144°54'22"W	5	96°		+00:37:41	KSAT
50	200614		unknown	10°37'38"S 145°24'32"W	1	0°		+00:35:26	KSAT
51	412420846		unknown	10°46'39"S 146°04'48"W	4	273°	Fishing	-00:26:20	KSAT
52	412685210		unknown	10°36'57"S 145°33'21"W	6	244°	Fishing	-00:25:14	KSAT
53	416002731		YU LONG NO.2	10°46'60"S 145°48'16"W	7	69°	Fishing	-00:24:59	KSAT

#	MMSI	IMO	Name	Position	Speed(kt)	Heading	Type	Time Offset	Data
54	416168500		unknown	09°14'26"S 145°44'30"W	0	226°	Fishing	-00:20:09	KSAT
55	416342000	0	CHIEN CHANG NO.226	09°54'27"S 145°47'21"W	6	170°	Fishing	-00:29:36	KSAT
56	416623000		unknown	10°28'23"S 145°39'14"W	10	314°	Fishing	-00:26:15	KSAT
57	440246000	8703842	519 NAMGUNG	09°03'04"S 144°37'60"W	6	95°	Fishing	-00:26:48	KSAT
58	441825000	8605052	NO.309 DAE HWA	06°39'52"S 145°17'21"W	7	170°	Fishing	-00:27:38	KSAT
59	636017468	9128764	TENHO MARU	08°39'54"S 146°07'13"W	0	231°	Cargo	+00:33:45	KSAT
60	81561441		unknown	10°30'38"S 145°17'23"W	0	154°		+00:41:30	KSAT
61	81561797		unknown	10°31'57"S 144°46'30"W	1	194°		+00:35:42	KSAT
62	81561798		unknown	10°31'09"S 145°30'34"W	1	159°		+00:42:14	KSAT
63	81561799		unknown	10°30'37"S 145°29'06"W	1	142°		+00:41:44	KSAT
64	81561801		unknown	10°31'33"S 145°07'08"W	1	143°		+00:41:33	KSAT
65	81561802		unknown	10°31'03"S 144°59'51"W	1	104°		+00:42:59	KSAT
66	81561806	AIB1561806-01		10°38'30"S 144°48'25"W	4	24°		-01:51:20	KSAT
67	81561812		unknown	10°48'03"S 144°46'45"W	1	128°		+00:41:59	KSAT
68	81561813		unknown	10°49'35"S 145°20'00"W	2	174°		+00:38:06	KSAT
69	81561814		unknown	10°48'50"S 144°53'45"W	1	154°		+00:39:57	KSAT
70	81561815		unknown	10°48'25"S 145°01'39"W	1	144°		+00:40:33	KSAT
71	81561817		unknown	10°48'28"S 145°09'20"W	1	100°		+00:40:36	KSAT
72	81561821		unknown	10°48'42"S 145°16'37"W	1	150°		+00:40:48	KSAT
73	81562247	AIB1562247		10°07'18"S 144°41'22"W	2	226°		-01:26:33	KSAT
74	81562248		unknown	10°32'34"S 144°39'47"W	0	209°		+00:42:38	KSAT
75	81562250		unknown	10°30'26"S 145°23'35"W	0	158°		+00:43:14	KSAT
76	98346236		NET MARK-FH5-0003	10°45'58"S 146°02'13"W	8	256°	Reserved	+00:37:40	KSAT
77	98346854		NET MARK-FH5-0002	10°46'44"S 146°05'00"W	4	289°	Reserved	-00:25:27	KSAT
78	990095023		unknown	10°25'24"S 145°36'23"W	2	171°		+00:38:13	KSAT
79	990095025		NET95-25 7V	10°37'22"S 146°00'12"W	2	139°		+00:40:11	KSAT
80	990095026		NET95-26 6V	10°36'15"S 145°49'52"W	1	57°		-00:22:50	KSAT
81	990095027		NET95-27 6V	10°26'01"S 145°36'60"W	10	273°		+00:33:54	KSAT
82	990129013		990129013 9V	10°29'50"S 145°56'10"W	1	135°		+00:41:37	KSAT
83	990129014		990129014 7V	10°29'16"S 145°49'06"W	1	189°		-00:25:09	KSAT
84	990129015		unknown	10°29'04"S 145°41'37"W	0	115°		-00:20:40	KSAT
85	990129016		990129016 8V	10°28'44"S 145°34'47"W	0	178°		+00:34:23	KSAT
86	990129017		990129017 9V	10°27'04"S 145°26'53"W	1	146°		+00:33:19	KSAT
87	994010727		994010727 9V	06°39'53"S 145°20'35"W	1	46°		-00:05:39	KSAT
88	994132041		994132041 6V	10°36'47"S 145°38'04"W	1	135°		-00:26:03	KSAT
89	994132043		unknown	10°40'55"S 145°32'17"W	3	121°		-02:37:39	KSAT