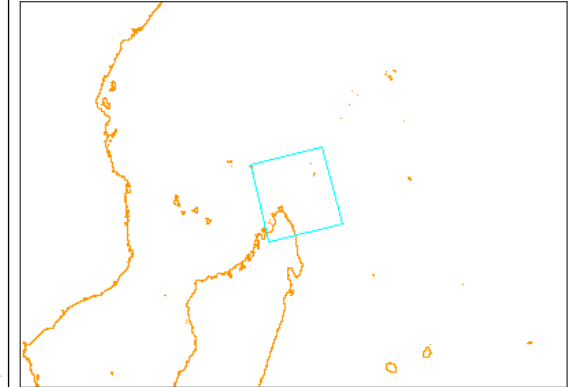


## VESEL DETECTION REPORT



### Acquisition Information

**Satellite:** RADARSAT-2  
**Sensor:** SAR  
**Swath:** DVWF  
**Polarization:** HH  
**Resolution:** 38 m  
**Incidence angle:** Near: 35° Far: 56°  
**Acquisition Time:** 2019-11-26 15:11:56.1 UTC  
**Scene coordinates:** 09°39'03"S 047°31'53"E  
 08°39'43"S 051°37'41"E  
 14°01'17"S 048°35'00"E  
 12°59'32"S 052°43'56"E

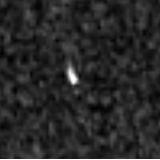

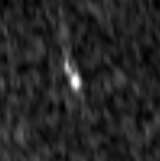
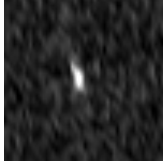
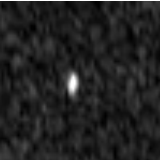
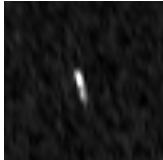
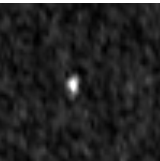
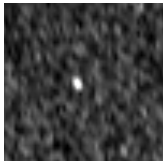
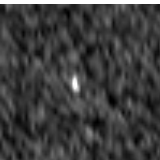
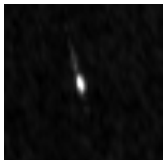


### 23 Vessels detected

**Correlated :** 8 (green)  
**Only in SAR:** 15 (red)  
**Comment**

Good image quality, good detection capabilities.

## Detected vessels - Only in SAR




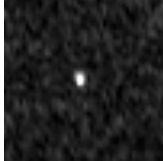

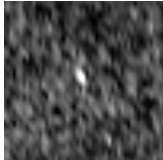

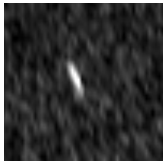
Detection thumbnail size 1000x1000 m

 <p> <b>Position</b> 12°46'58"S 050°00'10"E  <b>Heading(SAR)</b> 346°  <b>Length(SAR)</b> 32 m  <b>Width(SAR)</b> 7 m  <b>Confidence</b> HIGH         </p>	 <p> <b>Position</b> 12°29'43"S 050°40'04"E  <b>Heading(SAR)</b> 196°  <b>Length(SAR)</b> 65 m  <b>Width(SAR)</b> 11 m  <b>Confidence</b> HIGH         </p>
 <p> <b>Position</b> 11°37'38"S 051°22'53"E  <b>Heading(SAR)</b> 200°  <b>Length(SAR)</b> 39 m  <b>Width(SAR)</b> 6 m  <b>Confidence</b> HIGH         </p>	 <p> <b>Position</b> 10°40'56"S 051°49'38"E  <b>Heading(SAR)</b> 352°  <b>Length(SAR)</b> 44 m  <b>Width(SAR)</b> 6 m  <b>Confidence</b> HIGH         </p>
 <p> <b>Position</b> 10°58'26"S 050°37'36"E  <b>Heading(SAR)</b> 013°  <b>Length(SAR)</b> 49 m  <b>Width(SAR)</b> 5 m  <b>Confidence</b> HIGH         </p>	 <p> <b>Position</b> 10°09'54"S 051°43'15"E  <b>Heading(SAR)</b> 352°  <b>Length(SAR)</b> 49 m  <b>Width(SAR)</b> 9 m  <b>Confidence</b> HIGH         </p>
 <p> <b>Position</b> 10°25'58"S 050°19'31"E  <b>Heading(SAR)</b> 014°  <b>Length(SAR)</b> 38 m  <b>Width(SAR)</b> 6 m  <b>Confidence</b> HIGH         </p>	 <p> <b>Position</b> 09°59'02"S 050°19'28"E  <b>Heading(SAR)</b> 356°  <b>Length(SAR)</b> 32 m  <b>Width(SAR)</b> 4 m  <b>Confidence</b> LOW         </p>
 <p> <b>Position</b> 09°26'47"S 050°59'41"E  <b>Heading(SAR)</b> 353°  <b>Length(SAR)</b> 17 m  <b>Width(SAR)</b> 3 m  <b>Confidence</b> LOW         </p>	 <p> <b>Position</b> 09°20'39"S 050°59'47"E  <b>Heading(SAR)</b> 355°  <b>Length(SAR)</b> 52 m  <b>Width(SAR)</b> 10 m  <b>Confidence</b> HIGH         </p>
 <p> <b>Position</b> 13°05'24"S 050°07'31"E  <b>Heading(SAR)</b> 336°  <b>Length(SAR)</b> 22 m  <b>Width(SAR)</b> 3 m  <b>Confidence</b> LOW         </p>	 <p> <b>Position</b> 12°09'30"S 048°37'58"E  <b>Heading(SAR)</b> 335°  <b>Length(SAR)</b> 14 m  <b>Width(SAR)</b> 2 m  <b>Confidence</b> LOW         </p>

 <p> <b>Position</b> 13°15'06"S 050°52'51"E    <b>Confidence</b> HIGH  <b>Heading(SAR)</b> 311°  <b>Length(SAR)</b> 41 m  <b>Width(SAR)</b> 11 m         </p>	 <p> <b>Position</b> 12°50'31"S 048°51'04"E    <b>Confidence</b> LOW  <b>Heading(SAR)</b> 250°  <b>Length(SAR)</b> 8 m  <b>Width(SAR)</b> 2 m         </p>
 <p> <b>Position</b> 13°14'57"S 048°27'07"E    <b>Confidence</b> LOW  <b>Heading(SAR)</b> 259°  <b>Length(SAR)</b> 17 m  <b>Width(SAR)</b> 3 m         </p>	

## Detected vessels - Correlated with AIS

Detection thumbnail size 1000x1000 m

	<b>MMSI</b> 441644000 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 12°03'28"S 050°42'10"E <b>Heading</b> 68° <b>Speed</b> 3 kts <b>Confidence</b> HIGH <b>Time Offset</b> +00:04:30		<b>MMSI</b> 441645000 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 11°55'45"S 050°28'32"E <b>Heading</b> 74° <b>Speed</b> 3 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:11:39
	<b>MMSI</b> 258724000 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 11°17'46"S 049°34'05"E <b>Heading</b> 75° <b>Speed</b> 11 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:11:42		<b>MMSI</b> 416768000 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 10°39'03"S 050°20'26"E <b>Heading</b> 137° <b>Speed</b> 2 kts <b>Confidence</b> HIGH <b>Time Offset</b> +00:35:12
	<b>MMSI</b> 212498000 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 10°59'19"S 048°24'32"E <b>Heading</b> 219° <b>Speed</b> 12 kts <b>Confidence</b> HIGH <b>Time Offset</b> +00:09:10		<b>MMSI</b> 416083600 <b>IMO</b> <b>Name</b> JIN SHYANG YIH 168 <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 12°43'55"S 051°49'33"E <b>Heading</b> 180° <b>Speed</b> 5 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:18:48
	<b>MMSI</b> 416329000 <b>IMO</b> <b>Name</b> HSIANG MAN SHING <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 13°00'07"S 051°18'03"E <b>Heading</b> 39° <b>Speed</b> 4 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:22:36		<b>MMSI</b> 416888888 <b>IMO</b> <b>Name</b> unknown <b>Length</b> m <b>Vessel Type</b>	<b>Position</b> 12°30'44"S 052°24'01"E <b>Heading</b> 270° <b>Speed</b> 4 kts <b>Confidence</b> HIGH <b>Time Offset</b> -00:19:34

## AIS/VMS

#	MMSI	IMO	Name	Position	Speed(kt)	Heading	Type	Time Offset	Data
1	107120303		NET FISHING 11V	10°43'09"S 050°52'46"E	1	172°		-00:24:12	KSAT
2	224088000		unknown	12°16'12"S 049°17'17"E	0	262°		+00:34:23	KSAT
3	240704000		unknown	09°46'54"S 052°38'15"E	13	70°		-00:19:51	KSAT
4	241441000		unknown	09°22'50"S 047°16'09"E	13	214°		+00:08:57	KSAT
5	416005668		unknown	10°50'31"S 051°01'30"E	3	135°	Fishing	-00:11:52	KSAT
6	416059700		DE FU NO.1	13°29'37"S 051°25'11"E	5	346°		-00:11:44	KSAT
7	416635000		unknown	10°35'48"S 051°45'45"E	4	1°	Fishing	-01:33:12	KSAT
8	416889000		unknown	09°10'22"S 048°34'15"E	4	191°		+00:06:52	KSAT
9	477748400		unknown	08°50'28"S 047°28'38"E	16	30°		+00:33:08	KSAT
10	538006575		unknown	11°25'16"S 047°50'33"E	13	32°		-00:00:00	KSAT
11	620166000		unknown	10°39'37"S 047°33'44"E	7	53°		-00:28:12	KSAT
12	636015154		unknown	08°35'56"S 049°43'24"E	13	35°		+00:02:20	KSAT
13	647791203		unknown	13°24'21"S 048°16'43"E	0	64°	Other Type	+00:01:10	KSAT
14	647791204		CONGO MARINE	13°22'09"S 048°29'26"E	1	282°		-00:11:53	KSAT
15	647791211		unknown	13°24'22"S 048°16'47"E	0	304°	Other Type	-02:35:54	KSAT
16	647791223		unknown	13°33'29"S 048°22'11"E	0	0°	Fishing	-00:52:12	KSAT
17	647791228		SALAMA SAFARI II	13°33'29"S 048°22'12"E	0	111°		+00:04:17	KSAT
18	647791230		unknown	13°24'23"S 048°16'47"E	0	190°	Fishing	+00:03:26	KSAT
19	680000013		BUOY-HJ68H-13--100%	10°56'58"S 050°35'40"E	2	91°		-02:09:04	KSAT
20	81562508		AIB1562508	09°56'12"S 049°44'47"E	1	128°		-00:28:52	KSAT
21	81562516		AIB1562516	10°10'35"S 049°46'54"E	3	138°		-01:29:36	KSAT
22	98333905		unknown	10°31'58"S 050°25'19"E	0	313°		-00:11:55	KSAT
23	994047006		unknown	09°04'33"S 048°00'15"E	1	99°		-02:06:23	KSAT
24	994161766		unknown	13°05'56"S 051°19'28"E	2	330°		-00:11:51	KSAT