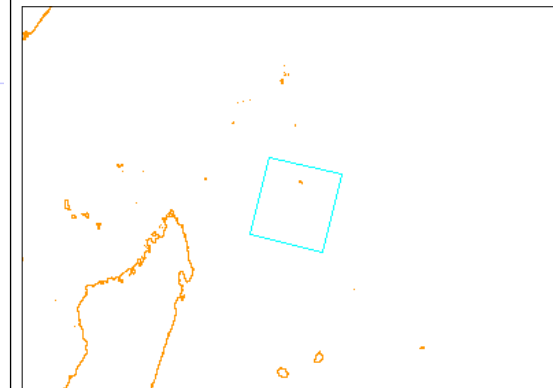


VESSEL DETECTION REPORT



Acquisition Information

Satellite: RADARSAT-2
Sensor: SAR
Swath: DVWF
Polarization: HH
Resolution: 38 m
Incidence angle: Near: 35° Far: 56°
Acquisition Time: 2019-11-11 01:40:30.5 UTC
Scene coordinates: 08°57'10"S 054°46'40"E
 09°56'42"S 058°52'51"E
 13°16'60"S 053°40'07"E
 14°18'59"S 057°49'32"E

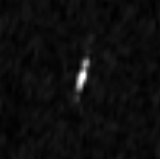
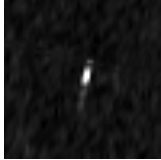

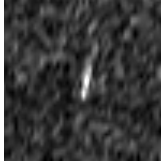

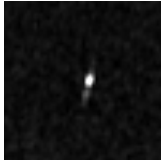

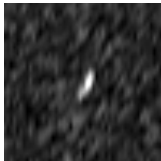


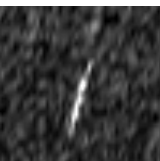
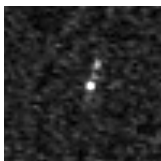
35 Vessels detected

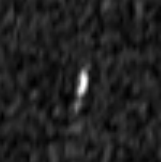

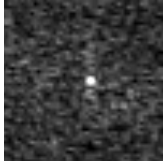


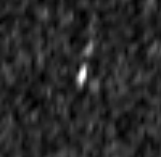

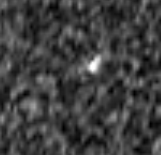
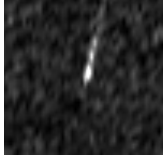
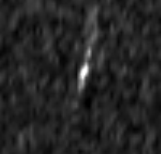

Correlated : 11 (green)
Only in SAR: 24 (red)
Comment

Striping observed in the image, but the image quality is still good for vessel analysis.

Detected vessels - Only in SAR

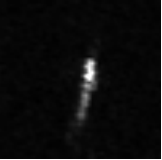


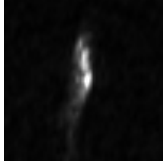

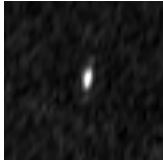

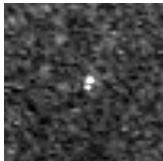



Detection thumbnail size 1000x1000 m

 <p> Position 12°57'38"S 055°37'17"E Heading(SAR) 218° Length(SAR) 57 m Width(SAR) 12 m </p>	 <p> Position 12°26'04"S 054°41'43"E Heading(SAR) 019° Length(SAR) 36 m Width(SAR) 11 m </p>
 <p> Position 12°27'36"S 055°06'58"E Heading(SAR) 012° Length(SAR) 33 m Width(SAR) 8 m </p>	 <p> Position 12°28'44"S 055°15'39"E Heading(SAR) 027° Length(SAR) 27 m Width(SAR) 10 m </p>
 <p> Position 11°42'56"S 055°01'03"E Heading(SAR) 178° Length(SAR) 53 m Width(SAR) 14 m </p>	 <p> Position 11°55'28"S 056°37'24"E Heading(SAR) 194° Length(SAR) 67 m Width(SAR) 12 m </p>
 <p> Position 12°01'06"S 057°15'35"E Heading(SAR) 194° Length(SAR) 60 m Width(SAR) 14 m </p>	 <p> Position 11°18'11"S 054°56'50"E Heading(SAR) 102° Length(SAR) 26 m Width(SAR) 8 m </p>
 <p> Position 11°08'53"S 054°35'52"E Heading(SAR) 080° Length(SAR) 15 m Width(SAR) 43 m </p>	 <p> Position 11°28'21"S 057°45'35"E Heading(SAR) 360° Length(SAR) 61 m Width(SAR) 9 m </p>
 <p> Position 10°48'24"S 055°11'19"E Heading(SAR) 196° Length(SAR) 58 m Width(SAR) 17 m </p>	 <p> Position 11°20'27"S 058°05'50"E Heading(SAR) 152° Length(SAR) 49 m Width(SAR) 10 m </p>

	Position 12°26'42"S 055°15'04"E Heading(SAR) 011° Length(SAR) 59 m Width(SAR) 10 m Confidence HIGH		Position 09°44'44"S 055°30'60"E Heading(SAR) 228° Length(SAR) 66 m Width(SAR) 14 m Confidence HIGH
	Position 12°08'50"S 054°41'09"E Heading(SAR) 204° Length(SAR) 53 m Width(SAR) 8 m Confidence HIGH		Position 10°12'08"S 058°15'53"E Heading(SAR) 107° Length(SAR) 31 m Width(SAR) 6 m Confidence HIGH
	Position 12°52'42"S 057°52'54"E Heading(SAR) 188° Length(SAR) 42 m Width(SAR) 12 m Confidence HIGH		Position 12°11'35"S 055°46'06"E Heading(SAR) 156° Length(SAR) 30 m Width(SAR) 14 m Confidence HIGH
	Position 12°01'23"S 055°32'54"E Heading(SAR) 198° Length(SAR) 14 m Width(SAR) 6 m Confidence HIGH		Position 11°46'14"S 054°39'47"E Heading(SAR) 008° Length(SAR) 38 m Width(SAR) 12 m Confidence HIGH
	Position 12°14'48"S 055°53'31"E Heading(SAR) 126° Length(SAR) 25 m Width(SAR) 6 m Confidence LOW		Position 11°51'15"S 055°09'05"E Heading(SAR) 194° Length(SAR) 54 m Width(SAR) 10 m Confidence HIGH
	Position 11°50'50"S 055°17'51"E Heading(SAR) 017° Length(SAR) 41 m Width(SAR) 5 m Confidence HIGH		Position 11°53'32"S 055°44'18"E Heading(SAR) 014° Length(SAR) 114 m Width(SAR) 19 m Confidence HIGH

Detected vessels - Correlated with AIS

Detection thumbnail size 1000x1000 m

	MMSI 255806093 IMO 9315812 Name AS CYPRIA Length 222 m Vessel Type Cargo	Position 13°49'07"S 057°38'12"E Heading 1° Speed 18 kts Confidence HIGH Time Offset -00:06:54		MMSI 412333331 IMO Name unknown Length 32 m Vessel Type Fishing	Position 12°04'50"S 057°29'56"E Heading 84° Speed 8 kts Confidence HIGH Time Offset -00:02:57
	MMSI 412288031 IMO Name 0301-7 Length m Vessel Type	Position 11°55'41"S 058°00'49"E Heading 349° Speed 8 kts Confidence HIGH Time Offset -00:33:18		MMSI 247088200 IMO Name unknown Length m Vessel Type	Position 10°41'27"S 056°14'07"E Heading 354° Speed 14 kts Confidence HIGH Time Offset -00:00:21
	MMSI 229452000 IMO 9620607 Name MERKUR FJORD Length 228 m Vessel Type Cargo Haz. cat. A	Position 10°46'10"S 057°46'16"E Heading 30° Speed 12 kts Confidence HIGH Time Offset -00:01:57		MMSI 98341260 IMO Name unknown Length m Vessel Type	Position 12°12'29"S 054°48'31"E Heading 349° Speed 2 kts Confidence HIGH Time Offset -01:55:53
	MMSI 563050100 IMO 9273923 Name CAP CARMEL Length 208 m Vessel Type Cargo	Position 09°53'60"S 057°03'03"E Heading 191° Speed 15 kts Confidence HIGH Time Offset -00:06:17		MMSI 416175800 IMO Name unknown Length m Vessel Type Fishing	Position 10°13'22"S 058°31'31"E Heading 184° Speed 6 kts Confidence HIGH Time Offset -00:32:20
	MMSI 416863000 IMO Name unknown Length m Vessel Type	Position 09°59'41"S 057°58'15"E Heading 182° Speed 8 kts Confidence HIGH Time Offset -00:01:11		MMSI 636015296 IMO Name unknown Length m Vessel Type	Position 10°20'29"S 056°33'35"E Heading 69° Speed 5 kts Confidence HIGH Time Offset -00:04:25
	MMSI 416005060 IMO Name unknown Length m Vessel Type Fishing	Position 10°56'28"S 058°12'06"E Heading 187° Speed 9 kts Confidence HIGH Time Offset -00:01:47			

AIS/VMS

#	MMSI	IMO	Name	Position	Speed(kt)	Heading	Type	Time Offset	Data
1	107120303		NET FISHING 11V	11°39'55"S 055°00'25"E	1	175°		-00:38:48	KSAT
2	201903135		3-05	12°07'01"S 057°54'58"E	9	229°		-02:14:23	KSAT
3	201903162		6-02	12°07'04"S 057°28'57"E	8	106°		-01:56:44	KSAT
4	201903166		6-06	12°04'19"S 057°27'45"E	7	96°		-01:56:15	KSAT
5	354957000	9629873	SAKURA GAS	09°53'12"S 053°58'02"E	15	75°	Tanker Haz. cat. D	-00:02:42	KSAT
6	355322000	9552989	AMIS ACE	09°51'27"S 053°50'03"E	11	69°	Cargo	-00:03:37	KSAT
7	403519000	9660554	BAHRI TRADER	08°20'51"S 057°50'49"E	12	19°	Cargo	-00:41:07	KSAT
8	412288041		0401-10	12°07'32"S 057°30'06"E	8	107°		-01:42:11	KSAT
9	416002125		FENG HAZ NO.6	12°30'26"S 055°08'58"E	6	104°		-00:35:46	KSAT
10	416002767		WEN DER NO.106	11°13'55"S 058°15'03"E	7	142°		-01:55:10	KSAT
11	416004473		unknown	11°37'44"S 056°13'04"E	4	8°	Fishing	-01:35:39	KSAT
12	416004507		DE YI NO.6	11°38'41"S 058°26'41"E	2	184°	Fishing	-00:03:05	KSAT
13	416004635		unknown	11°42'03"S 054°57'26"E	6	90°		+00:01:08	KSAT
14	416005579		unknown	11°55'53"S 057°56'04"E	2	171°	Fishing	-01:35:14	KSAT
15	416094500		JUI DER NO.16	11°54'27"S 055°05'02"E	3	184°		-01:54:44	KSAT
16	416229900		unknown	12°30'51"S 055°44'36"E	2	198°	Fishing	-01:54:51	KSAT
17	416775000	1000000000	WEI FA	12°13'07"S 055°47'55"E	7	130°	Fishing	-00:39:25	KSAT
18	4279505		42795-05	10°16'32"S 058°31'56"E	8	89°		-01:55:33	KSAT
19	4279506		42795-06	10°23'43"S 058°32'02"E	8	109°		-02:42:49	KSAT
20	538005988		unknown	13°28'52"S 058°10'23"E	12	184°		-00:04:11	KSAT
21	538007994	9473274	SPRING SNOW	14°19'42"S 056°06'17"E	11	209°	Cargo	-00:03:07	KSAT
22	981000262		AIS NET MARK74%	11°15'47"S 054°57'34"E	3	303°		-01:55:21	KSAT
23	990099005		NET99-5 7V	11°44'60"S 055°12'20"E	7	54°		-00:37:33	KSAT
24	994010036		994010036 8V	11°23'24"S 058°09'34"E	2	141°		-01:55:54	KSAT
25	994011006		609620006 4V	13°00'51"S 055°34'04"E	2	238°		-01:55:27	KSAT
26	994011034		unknown	12°26'47"S 055°48'53"E	2	80°		-01:55:28	KSAT
27	994011065		CT4-307805 3V	12°12'34"S 056°39'43"E	7	167°		-01:54:39	KSAT
28	994011068		unknown	12°07'15"S 056°38'43"E	5	165°		-01:56:18	KSAT
29	994018075		unknown	11°38'52"S 057°14'02"E	2	357°		-01:54:51	KSAT
30	994030254		unknown	10°50'33"S 058°04'22"E	1	277°		-01:55:50	KSAT
31	994030272		unknown	11°43'14"S 055°36'33"E	2	317°		-01:55:11	KSAT
32	994030274		unknown	11°48'12"S 055°32'06"E	1	265°		-01:06:52	KSAT
33	994030416		unknown	12°14'33"S 054°49'26"E	2	357°		-01:56:48	KSAT
34	994030420		994030420 9V	12°11'13"S 054°50'12"E	1	73°		-01:57:20	KSAT
35	994161384		BUOY6001296-04 7V	12°22'31"S 055°05'52"E	0	357°		-01:54:47	KSAT
36	994161403		BUOY6001296-23 7V	12°24'36"S 055°06'08"E	4	249°		-01:55:14	KSAT
37	996142004		996142004 8V	12°13'17"S 055°47'33"E	7	135°		-00:36:12	KSAT
38	996142006		unknown	12°14'07"S 055°46'22"E	7	141°		-01:55:02	KSAT