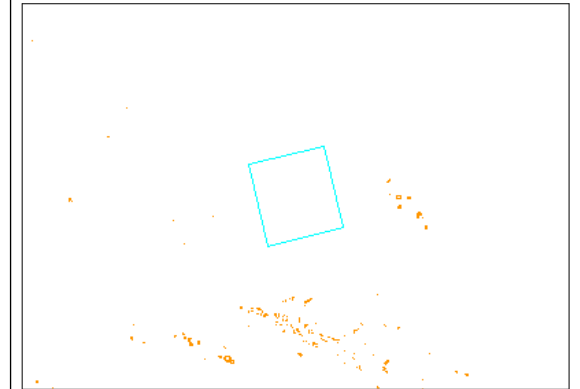


VESSEL DETECTION REPORT



Acquisition Information

Satellite: RADARSAT-2
Sensor: SAR
Swath: DVWF
Polarization: HH
Resolution: 38 m
Incidence angle: Near: 35° Far: 56°
Acquisition Time: 2019-09-10 04:13:34.7 UTC
Scene coordinates: 07°06'23"S 148°17'05"W
 06°08'28"S 144°12'46"W
 11°31'39"S 147°14'49"W
 10°31'24"S 143°08'11"W

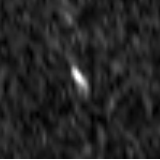
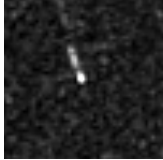


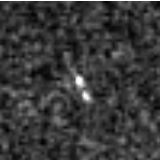
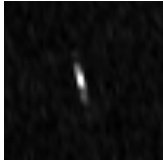

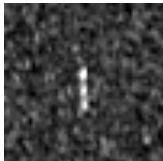
23 Vessels detected

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

Good image quality

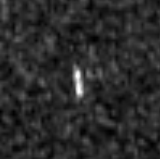
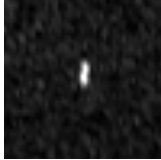


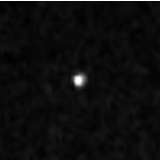
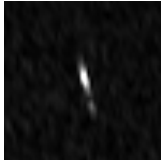

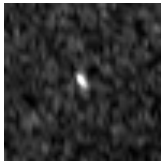




Detected vessels - Only in SAR

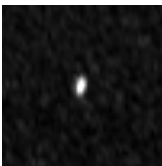
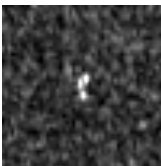
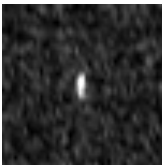
Detection thumbnail size 1000x1000 m

 <p> Position 09°02'55"S 144°34'45"W Heading(SAR) 328° Length(SAR) 30 m Width(SAR) 5 m Confidence HIGH </p>	 <p> Position 09°30'15"S 146°29'18"W Heading(SAR) 161° Length(SAR) 50 m Width(SAR) 10 m Confidence HIGH </p>
 <p> Position 09°28'29"S 146°31'27"W Heading(SAR) 032° Length(SAR) 60 m Width(SAR) 13 m Confidence HIGH </p>	 <p> Position 07°49'35"S 144°36'25"W Heading(SAR) 342° Length(SAR) 55 m Width(SAR) 12 m Confidence HIGH </p>
 <p> Position 08°09'32"S 146°42'24"W Heading(SAR) 158° Length(SAR) 28 m Width(SAR) 5 m Confidence LOW </p>	 <p> Position 07°14'20"S 144°45'32"W Heading(SAR) 169° Length(SAR) 48 m Width(SAR) 9 m Confidence HIGH </p>
 <p> Position 10°49'51"S 145°38'41"W Heading(SAR) 018° Length(SAR) 67 m Width(SAR) 16 m Confidence HIGH </p>	 <p> Position 07°45'25"S 146°31'40"W Heading(SAR) 008° Length(SAR) 34 m Width(SAR) 8 m Confidence LOW </p>

Detected vessels - Correlated with AIS

Detection thumbnail size 1000x1000 m

	MMSI 416097500 IMO Name unknown Length 52 m Vessel Type Fishing	Position 10°39'38"S 145°34'24"W Heading 72° Speed 5 kts Confidence HIGH Time Offset -00:40:47		MMSI 577259000 IMO Name unknown Length m Vessel Type	Position 10°28'54"S 145°16'13"W Heading 95° Speed 4 kts Confidence HIGH Time Offset -00:39:14
	MMSI 416168500 IMO Name unknown Length 60 m Vessel Type Fishing	Position 10°21'36"S 145°21'40"W Heading 108° Speed 4 kts Confidence HIGH Time Offset -00:37:51		MMSI 120389004 IMO Name BUOY-01 11.8V Length 10 m Vessel Type 25	Position 10°00'35"S 144°05'25"W Heading 79° Speed 3 kts Confidence HIGH Time Offset -00:38:12
	MMSI 577309000 IMO Name unknown Length 50 m Vessel Type Fishing	Position 10°26'24"S 145°57'48"W Heading 247° Speed 4 kts Confidence HIGH Time Offset -00:40:35		MMSI 412326798 IMO Name HONG YANG 8 Length 37 m Vessel Type Fishing	Position 09°50'10"S 143°59'37"W Heading 159° Speed 7 kts Confidence HIGH Time Offset +00:14:49
	MMSI 577257000 IMO Name unknown Length m Vessel Type	Position 10°12'30"S 145°34'17"W Heading 74° Speed 3 kts Confidence HIGH Time Offset -00:39:46		MMSI 416086600 IMO Name unknown Length 47 m Vessel Type Pleasure Craft	Position 09°40'30"S 145°16'28"W Heading 131° Speed 9 kts Confidence HIGH Time Offset +00:14:44
	MMSI 412331026 IMO Name unknown Length 45 m Vessel Type Fishing	Position 09°26'29"S 146°09'45"W Heading 70° Speed 3 kts Confidence HIGH Time Offset -00:38:53		MMSI 416342000 IMO 0 Name CHIEN CHANG NO.226 Length 49 m Vessel Type Fishing	Position 08°46'39"S 145°01'27"W Heading 132° Speed 0 kts Confidence HIGH Time Offset +00:13:24
	MMSI 440944000 IMO 8515082 Name AGNES 95 Length 45 m Vessel Type Fishing	Position 08°07'58"S 144°23'52"W Heading 183° Speed 3 kts Confidence HIGH Time Offset -00:38:14		MMSI 440246000 IMO 8703842 Name 519 NAMGUNG Length 56 m Vessel Type Fishing	Position 07°48'08"S 144°39'15"W Heading 186° Speed 5 kts Confidence HIGH Time Offset -00:38:08

	MMSI IMO Name Length Vessel Type	81561813 AIB1561813-01 m	Position Heading Speed Confidence Time Offset	10°39'07"S 145°07'10"W 168° 0 kts HIGH -00:37:47		MMSI IMO Name Length Vessel Type	416623000 unknown m Fishing	Position Heading Speed Confidence Time Offset	10°28'26"S 145°46'13"W 105° 4 kts HIGH +00:19:41
	MMSI IMO Name Length Vessel Type	577246000 unknown m Fishing	Position Heading Speed Confidence Time Offset	10°33'30"S 145°09'25"W 79° 5 kts HIGH -00:39:15					

AIS/VMS

#	MMSI	IMO	Name	Position	Speed(kt)	Heading	Type	Time Offset	Data
1	111111119		0601	10°18'14"S 145°56'42"W	1	90°		-00:39:51	KSAT
2	111111123		082	10°31'20"S 144°52'38"W	1	90°		-00:40:56	KSAT
3	111111157		0608	10°11'09"S 145°28'14"W	0	70°		-00:41:21	KSAT
4	111111160		089	10°28'57"S 145°15'24"W	1	166°		-00:38:47	KSAT
5	111111195		FU106	10°26'26"S 145°31'53"W	1	247°		-00:38:52	KSAT
6	111111196		FU107	10°20'02"S 145°13'60"W	0	90°		-00:41:36	KSAT
7	111111353		LQ16007	09°45'14"S 145°56'23"W	1	143°		-00:43:55	KSAT
8	111111506		LG109011	09°35'58"S 146°13'55"W	1	170°		-00:38:23	KSAT
9	111111692		LU08002	10°26'48"S 145°05'05"W	1	345°		-00:38:28	KSAT
10	111111701		LG107008	09°21'50"S 146°02'30"W	2	254°		-00:38:51	KSAT
11	111111709		FU110	10°26'13"S 145°03'51"W	3	226°		-00:37:47	KSAT
12	111111713		ES001	07°33'49"S 146°39'01"W	1	284°		-00:40:10	KSAT
13	111111765		QYY130012	10°19'18"S 145°44'15"W	0	90°		-00:39:08	KSAT
14	111111767		QYY130015	10°19'15"S 145°54'10"W	2	55°		-00:37:47	KSAT
15	111111771		LQ1705	09°21'29"S 145°53'21"W	0	80°		-00:40:40	KSAT
16	111111779		LG109015	09°41'26"S 145°42'20"W	1	17°		-00:38:45	KSAT
17	111111780		LG109016	09°35'06"S 145°25'35"W	3	117°		-00:53:27	KSAT
18	111112105		FU58813	09°47'51"S 146°13'47"W	1	84°		-00:38:29	KSAT
19	111112106		FU58815	09°33'46"S 145°29'20"W	2	0°		-00:39:46	KSAT
20	111112177		LQ16010	09°33'50"S 145°36'29"W	1	304°		-00:39:35	KSAT
21	111112203		unknown	09°25'40"S 145°52'34"W	1	89°		-00:49:10	KSAT
22	111112378		ES006	07°25'13"S 146°29'18"W	2	64°		-00:41:29	KSAT
23	111112385		ES010	07°25'06"S 146°51'20"W	1	0°		-00:40:00	KSAT
24	111112390		unknown	07°33'05"S 146°16'43"W	1	137°		-00:40:38	KSAT
25	111112396		0612	10°20'08"S 146°05'32"W	1	0°		-00:48:56	KSAT
26	111112598		Q0816	10°25'13"S 146°06'46"W	1	124°		-00:38:16	KSAT
27	111112608		LQ16015	09°35'03"S 145°43'55"W	3	228°		-00:39:02	KSAT
28	111112763		QYY13018	10°20'14"S 145°33'11"W	2	154°		-00:39:14	KSAT
29	111112796		LG107012	09°22'33"S 146°15'43"W	0	177°		-00:39:39	KSAT
30	111112888		LQ1716	09°25'48"S 146°15'49"W	1	285°		-01:45:11	KSAT
31	111112889		LU08009	10°31'10"S 145°04'32"W	1	229°		-00:38:17	KSAT
32	111112890		LU08010	10°26'44"S 144°54'11"W	1	0°		-00:38:59	KSAT
33	111112891		LU08011	10°31'32"S 144°47'21"W	1	224°		-00:38:34	KSAT
34	111112897		LG109018	09°40'54"S 145°40'39"W	0	30°		-00:54:37	KSAT
35	111112898		unknown	09°41'53"S 145°51'12"W	2	302°		-00:42:31	KSAT
36	111112900		LG109021	09°49'18"S 146°09'35"W	3	246°		-00:39:37	KSAT
37	111112915		FU55818	09°35'17"S 146°17'12"W	1	41°		-00:38:17	KSAT
38	111112924		ES017	07°33'29"S 146°28'06"W	0	60°		-00:49:03	KSAT
39	111113132		QYY13020	10°17'18"S 145°24'10"W	1	0°		-00:39:00	KSAT
40	111113216		LQ16020 11V	09°35'20"S 146°06'59"W	1	188°		+00:16:14	KSAT
41	111113288		LU08013 11V	10°32'50"S 145°21'37"W	3	148°		-00:38:49	KSAT
42	111113290		LU08016 11V	10°30'55"S 145°16'16"W	2	289°		-00:36:43	KSAT
43	111113382		LQ16817 12V	10°15'17"S 145°27'34"W	0	285°		-00:32:39	KSAT
44	111113555		LQ16830 12V	10°16'24"S 146°17'06"W	1	252°		+00:14:13	KSAT
45	111113557		LQ16832 12V	10°19'04"S 146°22'17"W	0	151°		-00:37:18	KSAT
46	111113558		LQ16833 12V	10°17'34"S 145°42'01"W	1	179°		+00:16:18	KSAT
47	119030501		LG109022 12V	09°47'41"S 146°02'28"W	1	70°		+00:16:44	KSAT
48	119030502		LG109023 12V	09°35'10"S 145°50'09"W	2	238°		-00:37:59	KSAT
49	119030503		LG109025 12V	09°35'05"S 145°57'02"W	1	217°		-00:31:58	KSAT
50	120389006		BUOY-06 98%	10°00'39"S 144°03'56"W	0	302°	25	-00:39:11	KSAT
51	120389008		BUOY-08 85%	10°10'25"S 144°04'20"W	0	279°	25	-00:37:46	KSAT
52	120389009		BUOY-09 100%	10°11'50"S 144°13'13"W	0	134°	25	-01:47:51	KSAT
53	120389010		BUOY-10 37%	10°11'26"S 144°24'11"W	0	278°	25	-00:40:39	KSAT

#	MMSI	IMO	Name	Position	Speed(kt)	Heading	Type	Time Offset	Data
54	120389011		BUOY-11 93%	10°11'30"S 144°34'19"W	0	26°	25	-00:37:31	KSAT
55	120389012		BUOY-12 100%	10°12'36"S 144°43'50"W	0	265°	25	-00:43:40	KSAT
56	168801296		XIN SHI JI 65 80%	10°39'14"S 146°15'48"W	0	328°	25	-00:51:43	KSAT
57	168801297		XIN SHI JI 65 100%	10°40'50"S 146°07'37"W	0	141°	25	-00:56:13	KSAT
58	168801302		XIN SHI JI 65 100%	10°50'03"S 145°41'17"W	1	232°	25	-00:38:04	KSAT
59	168801303		XIN SHI JI 65 100%	10°44'33"S 145°40'26"W	0	147°	25	-00:56:11	KSAT
60	168801305		XIN SHI JI 65 100%	10°37'53"S 146°23'15"W	0	343°	25	-00:41:16	KSAT
61	168801307		XIN SHI JI 65 100%	10°41'53"S 145°59'38"W	0	73°	25	-00:40:00	KSAT
62	168801309		XIN SHI JI 65 100%	10°49'24"S 145°33'02"W	0	180°	25	-00:50:06	KSAT
63	168801310		XIN SHI JI 65 100%	10°45'40"S 145°55'59"W	0	12°	25	-00:42:49	KSAT
64	168888804		BOUY-04 100%	09°02'30"S 144°38'24"W	0	0°	Reserved	-00:58:17	KSAT
65	168888805		BOUY-05 100%	09°02'25"S 144°30'31"W	0	59°	25	-00:38:21	KSAT
66	168888806		BOUY-06 100%	08°55'07"S 144°30'15"W	0	284°	25	-00:38:01	KSAT
67	168888807		BOUY-07 100%	08°54'59"S 144°37'36"W	0	0°	25	-00:38:25	KSAT
68	168888808		BOUY-08 100%	08°55'02"S 144°45'20"W	0	41°	25	-00:41:32	KSAT
69	168888811		BUOY-11	08°53'49"S 145°03'46"W	3	268°		-00:38:10	KSAT
70	201602021		BUOY-5	07°26'16"S 146°42'00"W	2	240°		-00:40:24	KSAT
71	412200079		unknown	09°26'47"S 146°33'23"W	1	273°	Fishing	-00:51:14	KSAT
72	412336911	6860000	LURONGYUANYU686	08°54'38"S 148°17'59"W	7	77°	Fishing	+00:13:44	KSAT
73	412420433		HAI XING 715	10°05'28"S 146°10'35"W	9	97°	Fishing	-00:37:54	KSAT
74	412420435		HAIXING717	10°07'54"S 145°51'36"W	8	94°	Fishing	-00:38:20	KSAT
75	412420846		FENGHUI5	10°56'43"S 144°18'34"W	8	97°		-00:36:59	KSAT
76	416005715		unknown	07°39'24"S 146°54'51"W	4	87°	Fishing	-00:35:08	KSAT
77	416052600		unknown	07°34'30"S 146°45'44"W	2	102°	Fishing	-00:41:49	KSAT
78	416232500		CHIN YOU MING	08°08'39"S 146°40'56"W	4	356°	Fishing	-00:39:04	KSAT
79	440966000	8911308	NO.202DAEHW	07°12'46"S 144°44'39"W	2	127°	Fishing	-00:39:12	KSAT
80	577245000		OCEAN TRINITY	10°38'57"S 145°06'27"W	4	74°	Fishing	-00:41:48	KSAT
81	636017468	9128764	TENHO MARU	09°26'52"S 146°33'08"W	1	268°	Cargo	-00:37:42	KSAT
82	81561434		AIB1561444	10°43'10"S 144°52'32"W	2	188°		-00:38:14	KSAT
83	81561441		AIB1561441-01	10°37'03"S 145°19'29"W	1	188°		-02:59:18	KSAT
84	81561447		AIB1561447-01	10°40'26"S 144°37'26"W	1	197°		-00:31:59	KSAT
85	81561452		AIB1561452-01	10°42'08"S 145°19'54"W	1	194°		+00:15:34	KSAT
86	81561454		AIB1561445	10°42'44"S 144°44'25"W	3	178°		-00:30:54	KSAT
87	81561796		unknown	10°33'39"S 144°51'39"W	1	198°		+00:19:27	KSAT
88	81561797		AIB1561797-01	10°32'25"S 144°45'52"W	2	198°		+00:15:56	KSAT
89	81561799		AIB1561799-01	10°41'48"S 145°00'26"W	1	185°		-00:38:48	KSAT
90	81561801		AIB1561801-01	10°33'29"S 145°04'17"W	1	186°		-00:35:09	KSAT
91	81561802		AIB1561802-01	10°34'05"S 144°58'08"W	2	198°		-00:38:24	KSAT
92	81561803		HAI FENG WAN	10°46'21"S 144°51'18"W	0	176°		+00:16:28	KSAT
93	81561806		AIB1561806-01	10°48'15"S 145°03'54"W	1	144°		-00:38:45	KSAT
94	81561807		AIB1561807-01	10°48'27"S 145°12'12"W	1	207°		-00:37:05	KSAT
95	81561808		AIB1561808-01	10°48'22"S 145°27'09"W	3	166°		+00:15:37	KSAT
96	81561809		AIB1561809-01	10°48'08"S 144°56'28"W	1	144°		+00:18:01	KSAT
97	81561812		AIB1561812-01	10°39'34"S 145°00'53"W	2	167°		+00:19:13	KSAT
98	81561814		AIB1561814-01	10°44'23"S 145°29'09"W	3	169°		-00:39:50	KSAT
99	81561816		AIB1561816-01	10°40'42"S 144°52'33"W	2	168°		-00:34:21	KSAT
100	81561818		AIB1561818-01	10°47'43"S 145°19'42"W	4	187°		+00:13:34	KSAT
101	81562247		AIB1562247	10°38'06"S 144°22'27"W	0	248°		+00:18:34	KSAT
102	81562248		AIB1562248	10°30'30"S 144°39'41"W	0	258°		+00:15:24	KSAT
103	98345876		NET MARK-FH5-0001	10°56'59"S 144°18'29"W	8	100°	Reserved	-00:38:35	KSAT
104	98346214		NET MARK-FH5-0004	10°56'06"S 144°18'52"W	8	91°	Reserved	-00:40:13	KSAT
105	990094003		NET94-3 7V	08°15'40"S 146°59'15"W	1	167°		+00:16:04	KSAT
106	990094009		NET94-9 5V	08°09'42"S 146°40'06"W	1	79°		-00:40:44	KSAT
107	990094010		unknown	08°18'09"S 146°43'44"W	4	206°		-01:18:32	KSAT
108	990094011		NET94-11 5V	08°10'30"S 146°56'11"W	2	190°		+00:18:05	KSAT

#	MMSI	IMO	Name	Position	Speed(kt)	Heading	Type	Time Offset	Data
109	990094012		NET94-12 5V	08°10'26"S 147°03'32"W	0	178°		-00:40:00	KSAT
110	990094013		NET94-13 9V	08°10'33"S 146°48'21"W	1	182°		-00:38:41	KSAT
111	990094018		NET94-18 8V	08°13'39"S 147°04'10"W	0	157°		-00:40:03	KSAT
112	990095024		NET95-24 9V	10°30'54"S 146°04'49"W	2	43°		-00:38:33	KSAT
113	990095025		NET95-25 8V	10°33'43"S 145°54'04"W	1	167°		-00:39:05	KSAT
114	990095026		NET95-26 9V	10°27'53"S 145°43'07"W	2	54°		-00:38:37	KSAT
115	990129013		990129013 7V	10°38'40"S 145°25'57"W	1	217°		-00:38:00	KSAT
116	990129014		990129014 6V	10°37'48"S 145°16'39"W	0	178°		-00:42:53	KSAT
117	990129015		990129015 4V	10°36'35"S 145°08'34"W	1	100°		-00:43:16	KSAT
118	990129016		990129016 6V	10°35'44"S 145°02'30"W	0	216°		-00:41:21	KSAT
119	990129017		990129017 6V	10°29'44"S 145°00'49"W	0	146°		-00:38:52	KSAT
120	990129018		990129018 5V	10°22'24"S 145°02'08"W	0	137°		-00:39:29	KSAT
121	990129020		990129020 6V	10°23'30"S 145°09'57"W	2	201°		-00:38:49	KSAT
122	990129021		990129021 6V	10°23'14"S 145°16'45"W	0	147°		-00:37:28	KSAT
123	990129022		990129022 6V	10°23'07"S 145°24'12"W	0	172°		-00:39:34	KSAT
124	990129023		990129023 7V	10°23'57"S 145°32'33"W	2	231°		-00:39:31	KSAT
125	990129024		990129024 6V	10°23'54"S 145°39'08"W	0	279°		-00:38:28	KSAT
126	990129025		990129025 7V	10°24'57"S 145°46'02"W	0	0°		-00:36:11	KSAT
127	990129026		990129026 8V	10°39'28"S 145°31'10"W	2	119°		-00:40:31	KSAT
128	990129027		990129027 8V	10°43'26"S 145°40'33"W	2	184°		-01:44:02	KSAT
129	994010172		NG51902 9V	07°51'24"S 144°39'06"W	1	157°		-00:43:55	KSAT
130	994010174		NG51904 9V	08°04'27"S 144°38'51"W	0	55°		-00:38:30	KSAT
131	994010175		NG51905 9V	08°32'20"S 144°37'13"W	2	81°		-00:39:45	KSAT
132	994010176		NG51906 8V	08°21'33"S 144°37'60"W	0	157°		-00:39:59	KSAT
133	994010178		NG51908 9V	08°08'02"S 144°39'11"W	0	157°		-00:43:15	KSAT
134	994010283		DH20201 9V	07°51'54"S 144°43'13"W	0	157°		-00:44:50	KSAT
135	994010285		DH20203 9V	07°39'25"S 144°42'52"W	1	15°		-00:41:08	KSAT
136	994010286		DH20204 9V	07°22'54"S 144°46'51"W	2	305°		-00:39:29	KSAT
137	994010287		DH20205 9V	07°15'52"S 144°46'10"W	0	246°		-00:38:55	KSAT
138	994010522		AG9502 9V	08°42'18"S 144°25'42"W	0	157°		-00:38:52	KSAT
139	994010524		AG9504 9V	08°40'26"S 144°19'19"W	1	209°		-00:42:37	KSAT
140	994033001		JIN YU 13-001 9V	07°38'57"S 146°12'23"W	0	168°		-00:42:51	KSAT
141	994033002		JIN YU 13-002 9V	07°39'44"S 146°20'20"W	0	132°		-00:49:16	KSAT
142	994033004		JIN YU 13-004 9V	07°53'57"S 146°35'02"W	3	100°		-00:39:46	KSAT
143	994033005		JIN YU 13-005 9V	07°52'57"S 146°31'01"W	4	288°		-00:43:40	KSAT
144	994033007		JIN YU 13-007 9V	07°39'33"S 146°27'23"W	1	74°		-00:47:44	KSAT
145	994033008		JIN YU 13-008 9V	07°39'34"S 146°36'26"W	0	251°		-00:40:58	KSAT
146	994033010		JIN YU 13-010 9V	07°40'51"S 146°43'52"W	2	146°		-00:38:55	KSAT
147	994033013		JIN YU 13-013 9V	07°54'08"S 146°20'05"W	0	47°		-00:42:39	KSAT
148	994033016		JIN YU 13-016 9V	07°45'45"S 146°12'12"W	0	68°		-00:38:37	KSAT
149	994033017		JIN YU 13-017 9V	07°39'20"S 146°52'26"W	0	262°		-00:56:39	KSAT
150	994033020		JIN YU 13-020 9V	07°53'05"S 146°46'30"W	0	291°		-00:39:22	KSAT
151	994033022		unknown	07°45'08"S 147°03'03"W	4	213°		-01:57:29	KSAT
152	994033025		JIN YU 13-025 9V	07°55'10"S 146°58'48"W	2	199°		-00:50:45	KSAT
153	994132042		994132042 8V	10°31'09"S 146°17'24"W	2	156°		-00:38:11	KSAT
154	994132044		994132044 8V	10°33'04"S 145°43'58"W	1	333°		-00:34:15	KSAT
155	994132045		994132045 8V	10°31'25"S 145°35'18"W	2	187°		-00:38:08	KSAT