



April 13 2017

Statistics on scrambles through fiscal year 2016

1. Overall

Air Self-Defense Force (ASDF) fighter jets were scrambled 1168 times in FY2016 in total, a increase of 295 times compared to the previous fiscal year. That is the largest number Since 1958.

The breakdown of scrambles by country and region shows a ratio of about 73% against Chinese aircraft, about 26% against Russian aircraft, and about 1% against aircraft from other countries and regions. Countries and regions also include inferences.

2. Breakdown of Scrambles by Regional Air Defense Force

In FY2016, fighter jets of the Northern Air Defense Force were scrambled 265 times, those of the Central Air Defense Force 34 times, those of the Western Air Defense Force 66 times, and those of the Southwestern Composite Air Division 803 times.

Compared to the previous fiscal year, the number of scrambles by the Northern Air Defense Force and the Southwestern Composite Air Division increased significantly, while the number of scrambles by other Regional Air Defense Forces decreased.

3. Characteristics of Responses in FY2016

ASDF fighter jets were scrambled 851 times against Chinese aircraft, an increase of 280 times compared to the previous fiscal year. That is the largest number ever, in which ASDF began publicizing the number of scrambles by country and region. In FY2016, a total of 26 cases, including the case of long-range flight of Chinese fighter jets from the Sea of Japan to the Pacific Ocean through between Okinawa and Miyakojima for the first time, were made public as unusual flights.

ASDF fighter jets were scrambled 301 times against Russian aircraft, an increase of 13 times compared to the previous fiscal year. In FY2016, a total of 9 cases, including the case of a flight around the Senkaku Islands of Japan, were made public as unusual flights.

A large number of scrambles were conducted against Chinese fighter jets and Russian bomber aircrafts, including against those presumed to be fighter aircraft.

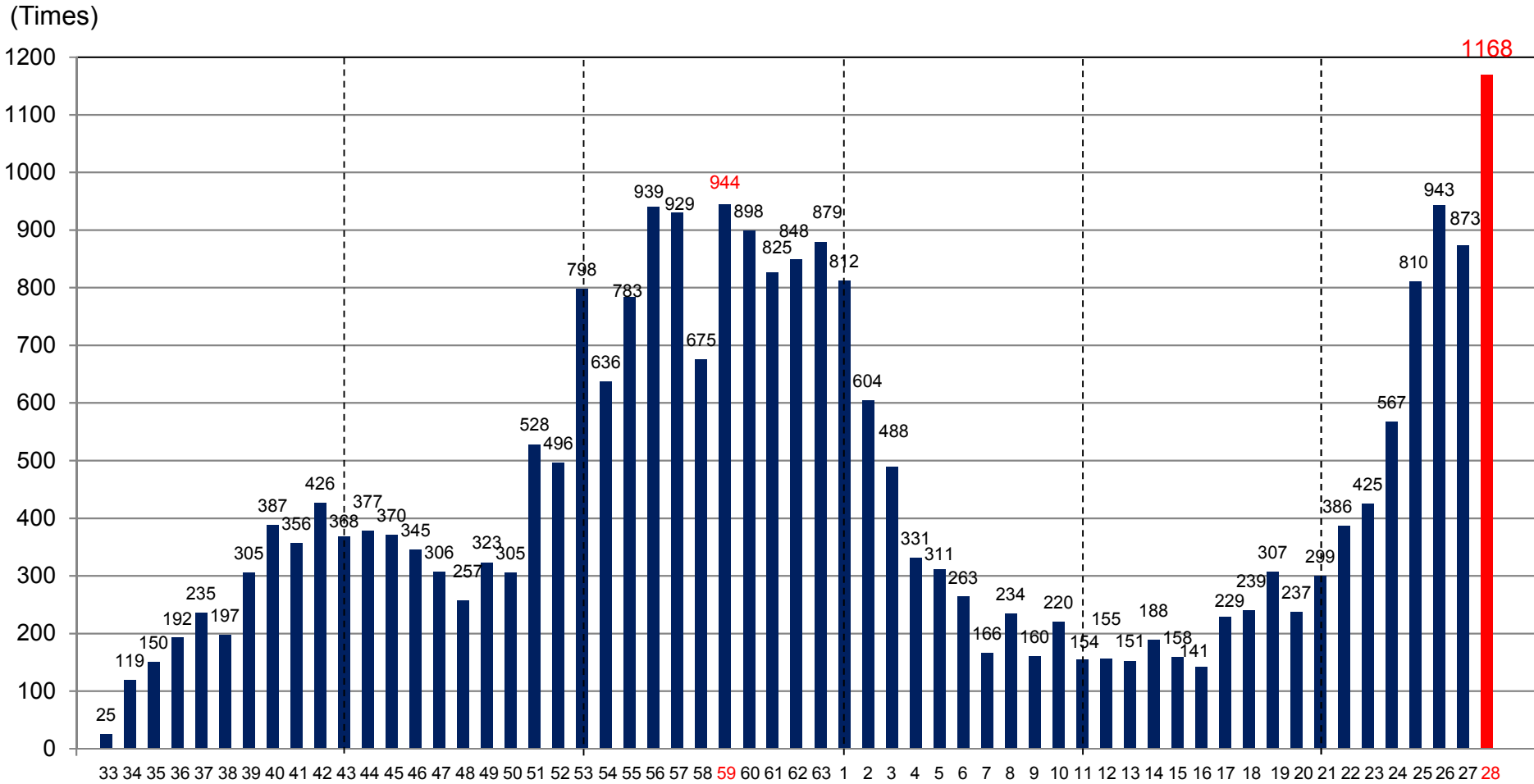
The data above was collected between April 1, 2016, and March 31, 2017

Reference

1. Number of Scrambles by Fiscal Year
2. Number of Scrambles by Regional Air Defense Force (Past Five Years)
3. Number of Scrambles by Country and Region (Past Five Years)
4. Number of Scrambles by Quarter
5. Flight Patten Examples of Russian and Chinese Aircraft Subject to Scrambles
6. Cases of Detection of Airspace Intrusions Made Public
7. List of Cases Made Public in FY2016

Number of Scrambles by Fiscal Year

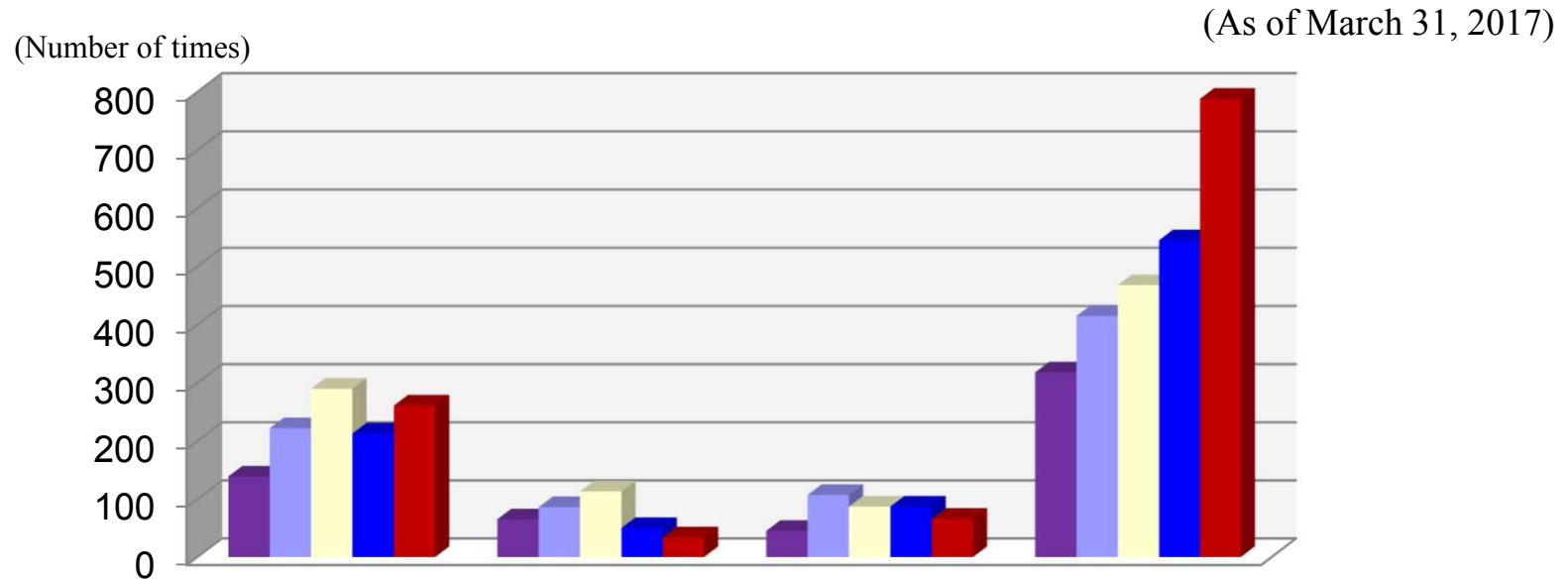
(As of March 31, 2017)



The data above was collected between April 1, 1958, and March 31, 2017

(FY)

Number of Scrambles by Regional Air Defense Force (Past Five Years)



	Northern Air Defense Force	Central Air Defense Force	Western Air Defense Force	Southwestern Composite Air Division	Total
FY2012	139	65	45	318	567
FY2013	222	86	100	402	810
FY2014	286	102	87	468	943
FY2015	205	50	87	531	873
FY2016	265	34	66	803	1168

Number of Scrambles by Country/Region (Past Five Years)

(As of March 31, 2017)

Country/ Region FY	Russia	China	Taiwan	North Korea	Other countries	Total
2012	248	306	1	0	12	567
2013	359	415	1	9	26	810
2014	473	464	1	0	5	943
2015	288	571	2	0	12	873
2016	301	851	8	0	8	1168

Number of Scrambles by Quarter (FY2016)

1. Number of Scrambles by Regional Air Defense Force

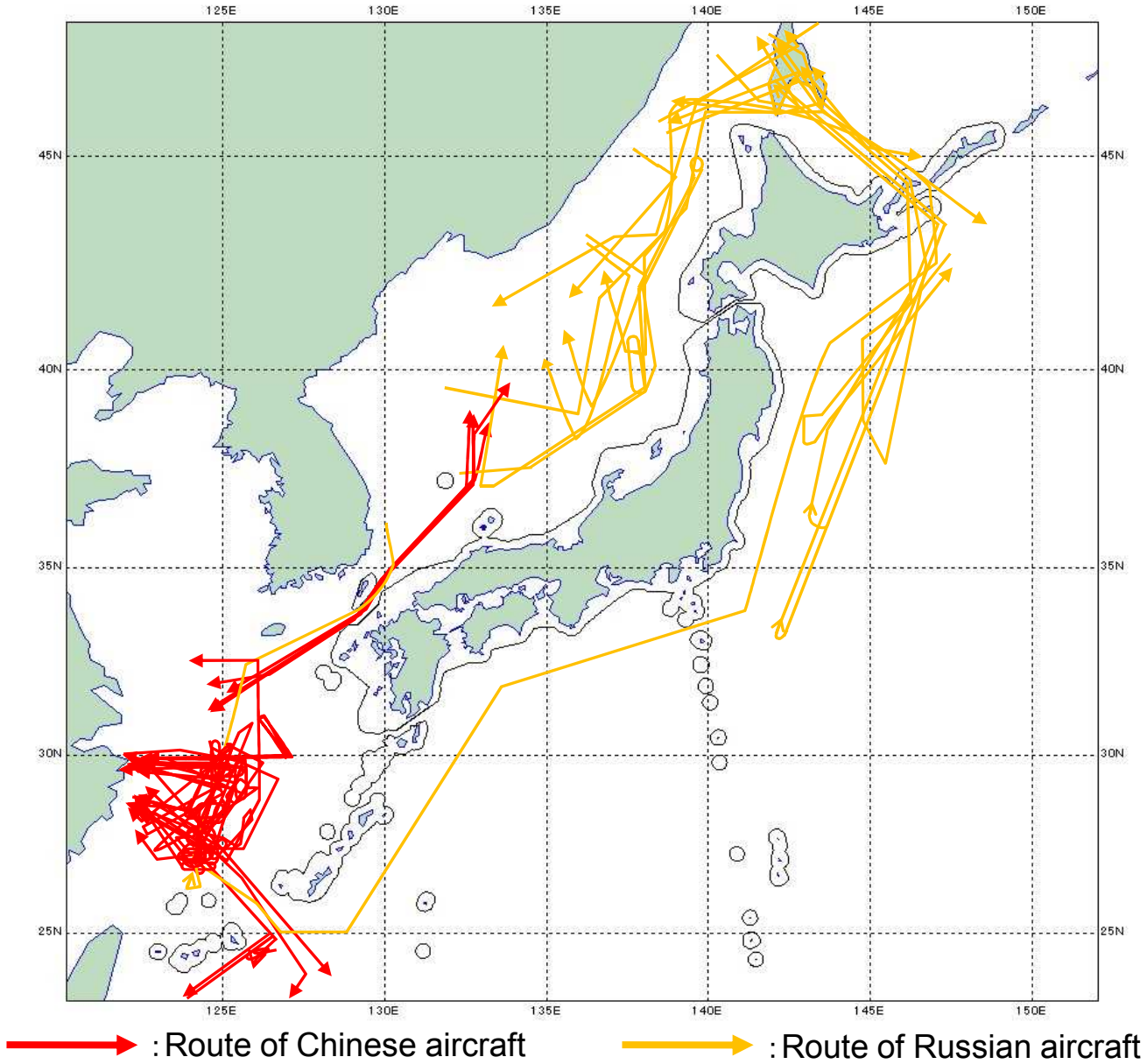
(As of March 31, 2017)

	Northern Air Defense Force	Central Air Defense Force	Western Air Defense Force	Southwestern Composite Air Division	Total
1 st Quarter	72	5	11	193	281
2 nd Quarter	89	12	23	189	313
3 rd Quarter	47	3	13	226	289
4 th Quarter	57	14	19	195	285
Total	265	34	66	803	1168

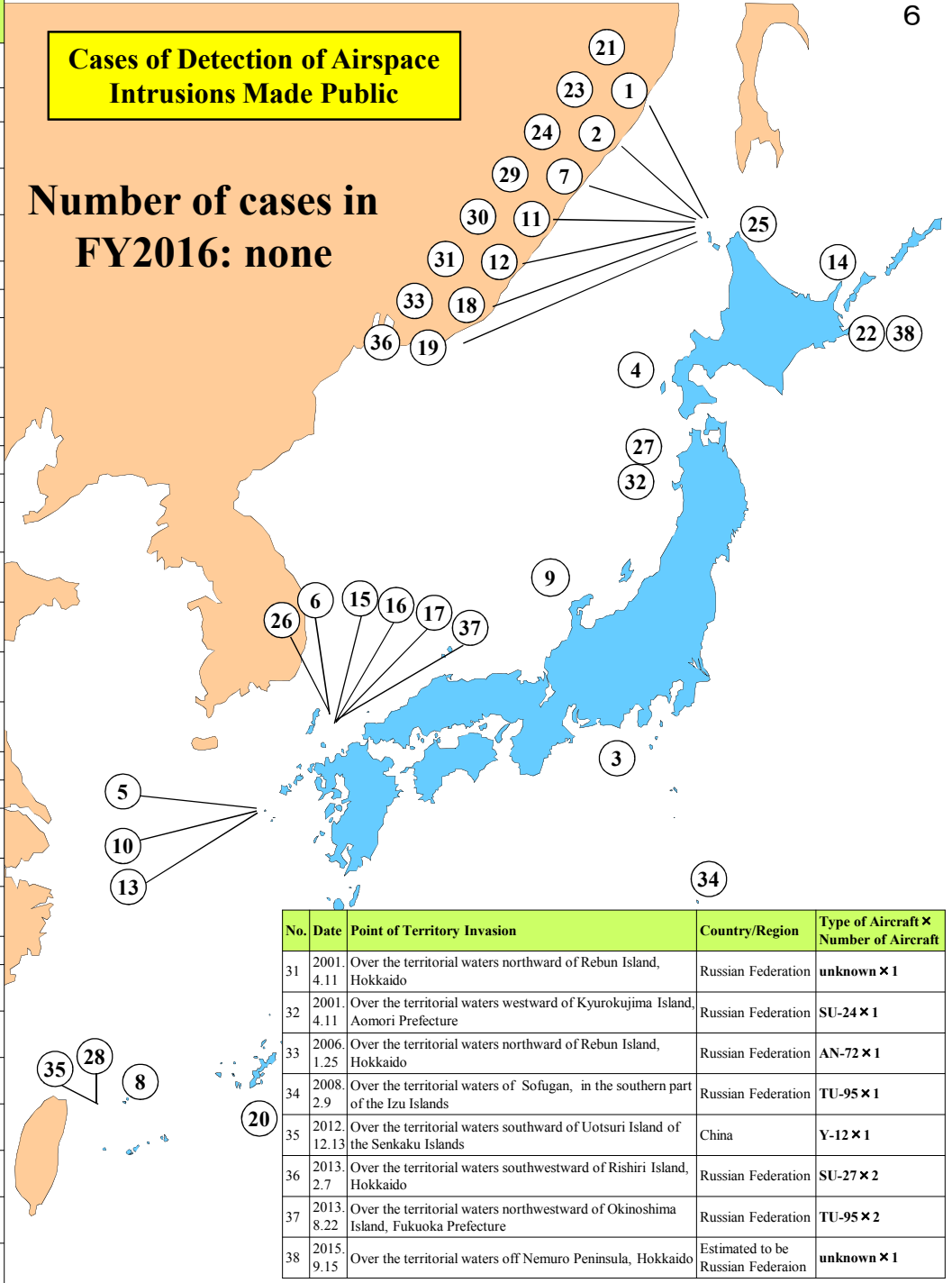
2. Number of Scrambles by Country/Region

	Russia	China	Taiwan	North Korea	Other countries	Total
1 st Quarter	78	199	3	0	1	281
2 nd Quarter	102	208	2	0	1	313
3 rd Quarter	51	237	1	0	0	289
4 th Quarter	70	207	2	0	6	285
Total	301	851	8	0	8	1168




Example Flight Patterns of Russian and Chinese Aircraft to Which Scrambles Responded



No.	Date	Point of Territory Invasion	Country/Region	Type of Aircraft × Number of Aircraft
1	1967.8.19	Over Rebun Island, Hokkaido	The Soviet Union (USSR)	unknown × 1
2	1974.2.7	Over Rebun Island, Hokkaido	USSR	unknown × 1
3	1975.9.24	Over the territorial waters between Shikine Island and Kodu Island of the Izu Islands	USSR	TU-95 × 2
4	1976.9.6	Over from off Cape Motta, Hokkaido to Hakodate Airport (MIG-25 incident)	USSR	MIG-25 × 1
5	1977.9.7	Over the territorial waters northwestward of Shirase Island, in the western of the Goto Islands	USSR	TU-95 × 2
6	1978.3.17	Over the territorial waters eastward of Tsushima Islands	USSR	TU-95 × 1
7	1978.12.5	Over the territorial waters northward of Rebun Island, Hokkaido	USSR	unknown × 1
8	1979.11.15	Over the territorial waters southward of Taisho Island of the Senkaku Islands	USSR	TU-95 × 2
9	1980.6.29	Over the territorial waters northeastward of Hegura Island, in the north of the Noto Peninsula	USSR	IL-38 × 2
10	1980.8.18	Over the territorial waters southeastward of the Goto Islands	USSR	IL-62 × 1
11	1981.6.6	Over the territorial waters northward of Rebun Island, Hokkaido	USSR	IL-14 × 1
12	1981.7.24	Over the territorial waters northward of Rebun Island, Hokkaido	USSR	unknown × 1
13	1982.4.3	Over the territorial waters westward of Torishima Island of the Danjo Islands, Nagasaki Prefecture	USSR	IL-62 × 1
14	1983.10.15	Over the territorial waters in the northeastward of the Shiretoko Cape, Hokkaido	USSR	unknown × 2
15	1983.11.15	Over the territorial waters northwestward of Okinoshima Island, Fukuoka Prefecture	USSR	TU-16/95 × 1 each
16	1984.11.12	Over the territorial waters northwestward of Okinoshima Island, Fukuoka Prefecture	USSR	TU-16 × 1
17	1984.11.23	Over the territorial waters northwestward of Okinoshima Island, Fukuoka Prefecture	USSR	TU-95/142 × 1 each
18	1986.2.6	Over the territorial waters northward of Rebun Island, Hokkaido	USSR	unknown × 1
19	1987.8.27	Over the territorial waters westward of Rebun Island, Hokkaido	USSR	unknown × 1
20	1987.12.9	Over the Okinawa Main Island and the territorial waters between Tokunoshima Island and Okinoerabu Island	USSR	TU-16 × 1
21	1989.4.21	Over the territorial waters northward of Rebun Island, Hokkaido	USSR	unknown × 1
22	1991.7.6	Over the territorial waters southward of the Nemuro Peninsula, Hokkaido	USSR	AN-30 × 1
23	1991.8.15	Over the territorial waters northward of Rebun Island, Hokkaido	USSR	TU-95 × 2
24	1992.4.10	Over Rebun Island and the territorial waters northwestward of Wakkanai, Hokkaido	Russian Federation	AN-12 × 1
25	1992.5.7	Over the territorial waters off Esashi, Hokkaido	Russian Federation	unknown × 1
26	1992.7.28	Over the territorial waters eastward of Tsushima Islands, Nagasaki Prefecture	Russian Federation	TU-154 × 1
27	1993.8.31	Over the territorial waters westward of Kyurokujima Island, Aomori Prefecture	Russian Federation	IL-20 × 1
28	1994.3.25	Over the territorial waters of Uotsuri Island and Kuba Island of the Senkaku Islands	Taiwan	B-350 × 1
29	1995.3.23	Over the territorial waters of Rebun Island, Hokkaido	Russian Federation	MIG-31 × 1
30	2001.2.14	Over the territorial waters of Rebun Island, Hokkaido	Russian Federation	TU-22 × 2, unknown × 2



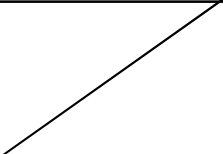
List of Cases Made Public in FY2016 (First Quarter)

	Date	Nationality of Aircraft, etc.	Behavior Description	Photo
1	Wednesday, April 20, 2016	China Y-8 One aircraft	Round-trip flights between the East China Sea and the Pacific Ocean	
2	Monday, July 27, 2016	Russia IL-38 Two aircraft	Long-range flight over the Pacific Ocean from Karafuto (Sakhalin) to off Tohoku	
3	Tuesday, July 28, 2016	Russia IL-38 Two aircraft	Long-range flight over the Pacific Ocean from off Nemuro, Hokkaido to off Tohoku	


List of Cases Made Public in FY2016 (Second Quarter①)

	Date	Nationality of Aircraft, etc.	Behavior Description	Photo
4	Friday, July 15, 2016	Russia Su-24 One aircraft	Flew over the Sea of Japan from off Hokkaido to off Hokuriku	
5	Thursday, August 18, 2016	China Y-8 One aircraft	Round-trip flights between the East China Sea and the Sea of Japan	
6		China H-6 Two aircrafts		
7	Friday, August 19, 2016	China Y-8 One aircraft	Round-trip flights between the East China Sea and the Sea of Japan	
8		China H-6 Two aircrafts		
9		Russia Tu-95 Four aircrafts	Long-range flight over the Pacific Ocean passing through Soya Channel from the Sea of Japan	
10	Wednesday, September 21, 2016	Russia Tu-142 Two aircrafts	Flew over the Sea of Japan from off Hokuriku to off Hokkaido	





List of Cases Made Public in FY2016 (Second Quarter②)

	Date	Nationality of Aircraft, etc.	Behavior Description	Photo
11	Sunday, September 25, 2016	China H-6 Four aircrafts	Round-trip flights between the East China Sea and the Pacific Ocean	
12		China Tu-154 aircraft One aircraft		
13		China Y-8 aircraft One aircraft		
14		Presumed China Two aircrafts		






List of Cases Made Public in FY2016 (Third Quarter ①)

	Date	Nationality of Aircraft, etc.	Behavior Description	Photo
15	Sunday, October 27, 2016	China Y-8 aircraft One aircraft	Round-trip flights between the East China Sea and the Pacific Ocean	
16		China Y-9 One aircraft		
17	Thursday, November 3, 2016	Russia Tu-142 Two aircraft	Round-trip flights between the Sea of Japan off Hokkaido and the Pacific Ocean off Kanto	
18	Tuesday, November 22, 2016	Russia Ka-27 One aircraft	Flight around the Senkaku Islands	

List of Cases Made Public in FY2016 (Third Quarter ②)

	Date	Nationality of Aircraft, etc.	Behavior Description	Photo
19	Friday, November 25, 2016	China Su-30 Two aircraft	Round-trip flights between the East China Sea and the Pacific Ocean	
20		China H-6 Two aircrafts	Flew over the Pacific Ocean to the East China Sea	
21		China Tu-154 aircraft One aircraft		
22		China Y-8 aircraft One aircraft		

List of Cases Made Public in FY2016 (Third Quarter ③)

	Date	Nationality of Aircraft, etc.	Behavior Description	Photo
23	Saturday, December 10, 2016	China Su-30 Two aircraft	Round-trip flights between the East China Sea and the Pacific Ocean	
24		China H-6 Two aircrafts	Flew over the East China Sea to the Pacific Ocean	
25		China Tu-154 aircraft One aircraft		
26		China Y-8 aircraft One aircraft		
27	Sunday, December 25, 2016	China Z-9 aircraft One aircraft	Flight near the Miyakojima airspace	

List of Cases Made Public in FY2016 (Fourth Quarter①)

	Date	Nationality of Aircraft, etc.	Behavior Description	Photo
28	Monday, January 9, 2017	China Y-8 One aircraft	Round-trip flights between the East China Sea and the Sea of Japan	
29		China Y-9 One aircraft		
30		China H-6 Six aircraft		
31	Tuesday, January 24, 2017	Russia Tu-95 Three aircrafts	Flew over the Sea of Japan, the East China Sea and the Pacific Ocean	
32	Thursday, March 3, 2017	China Y-8 One aircraft	Round-trip flights between the East China Sea and the Pacific Ocean	
33		Presumed China Six bomber aircrafts		/
34		Presumed China Six fighter aircrafts		

List of Cases Made Public in FY2016 (Fourth Quarter②)

	Date	Nationality of Aircraft, etc.	Behavior Description	Photo
35	Friday, March 3, 2017	Russia Su-24 One aircraft	Long-range flight over the Sea of Japan	