

SOT National Report from Japan

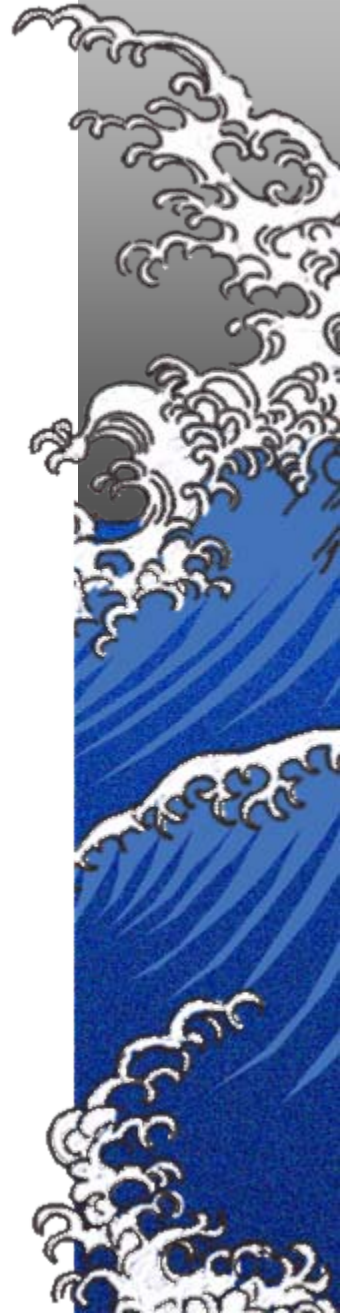
Japan Meteorological Agency

SOT-V (Geneva, May 2009)

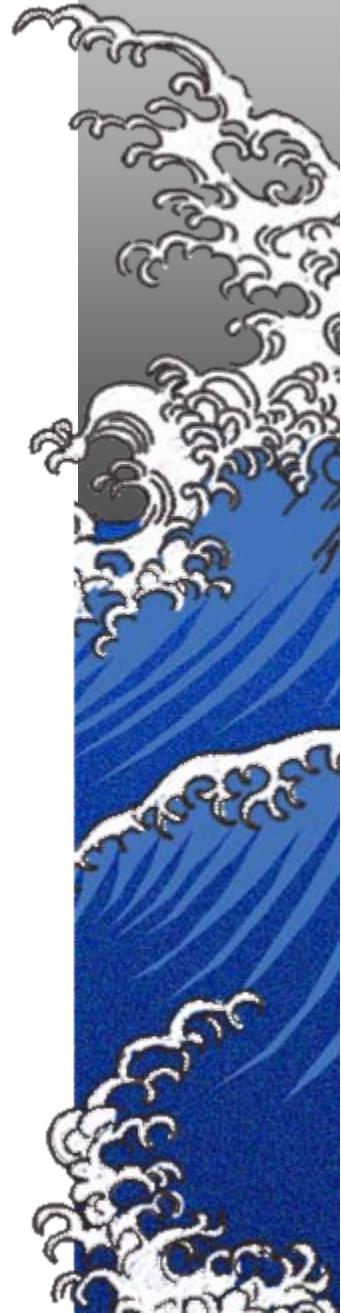


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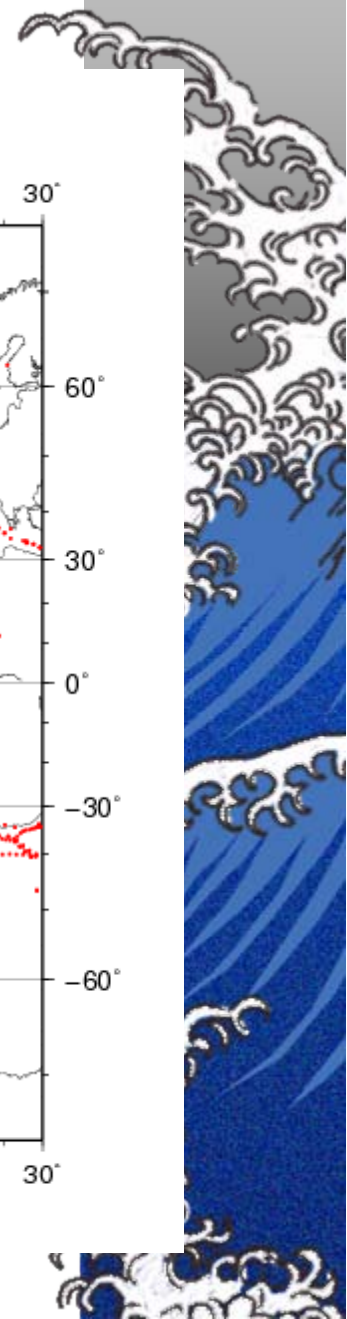
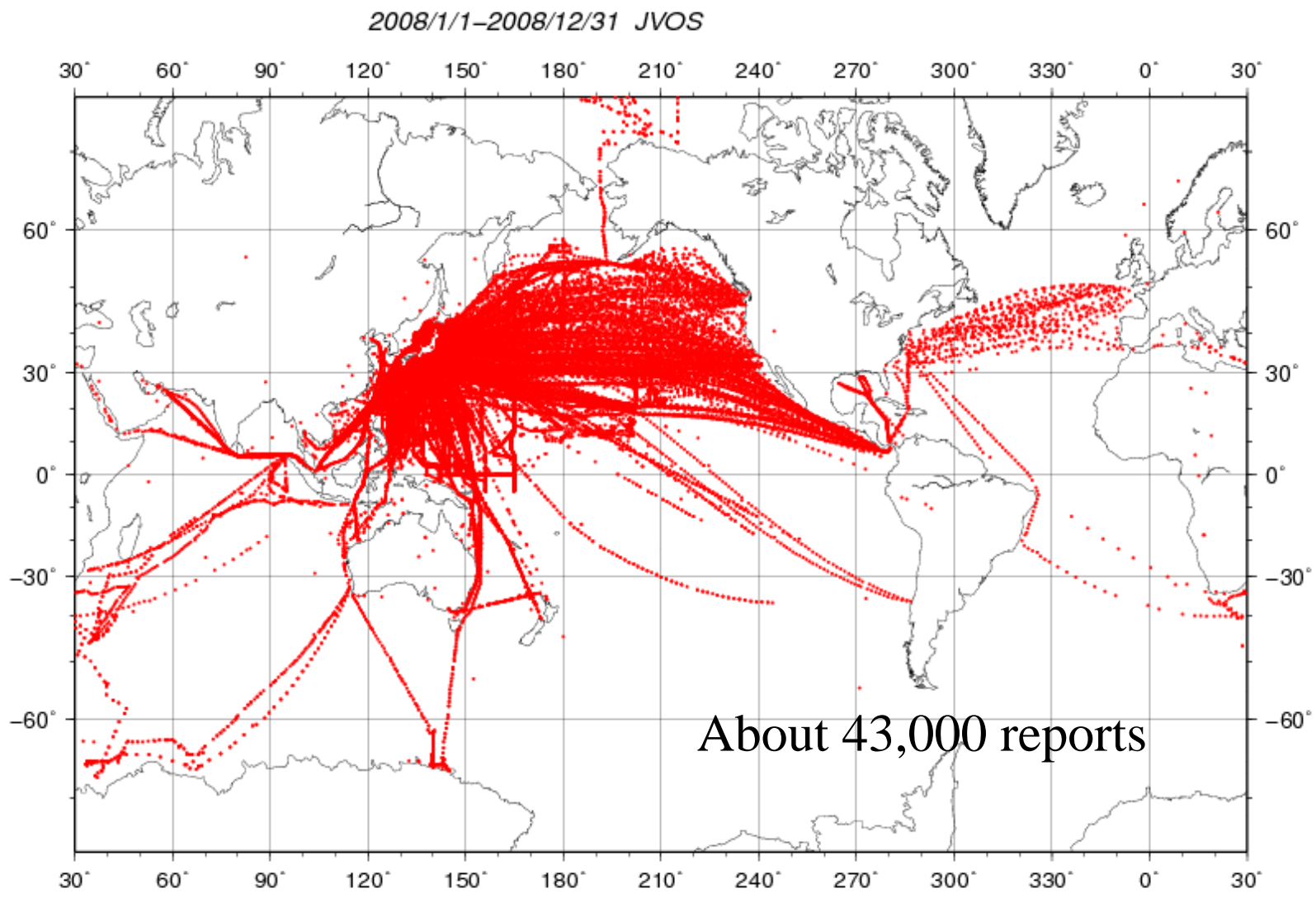
- 1. VOS Activity**
- 2. VOSClm Acitivity**
- 3. SOOP Activity**
- 4. ASAP Activity**
- 5. PMO Activity**



1. VOS Activity in Japan

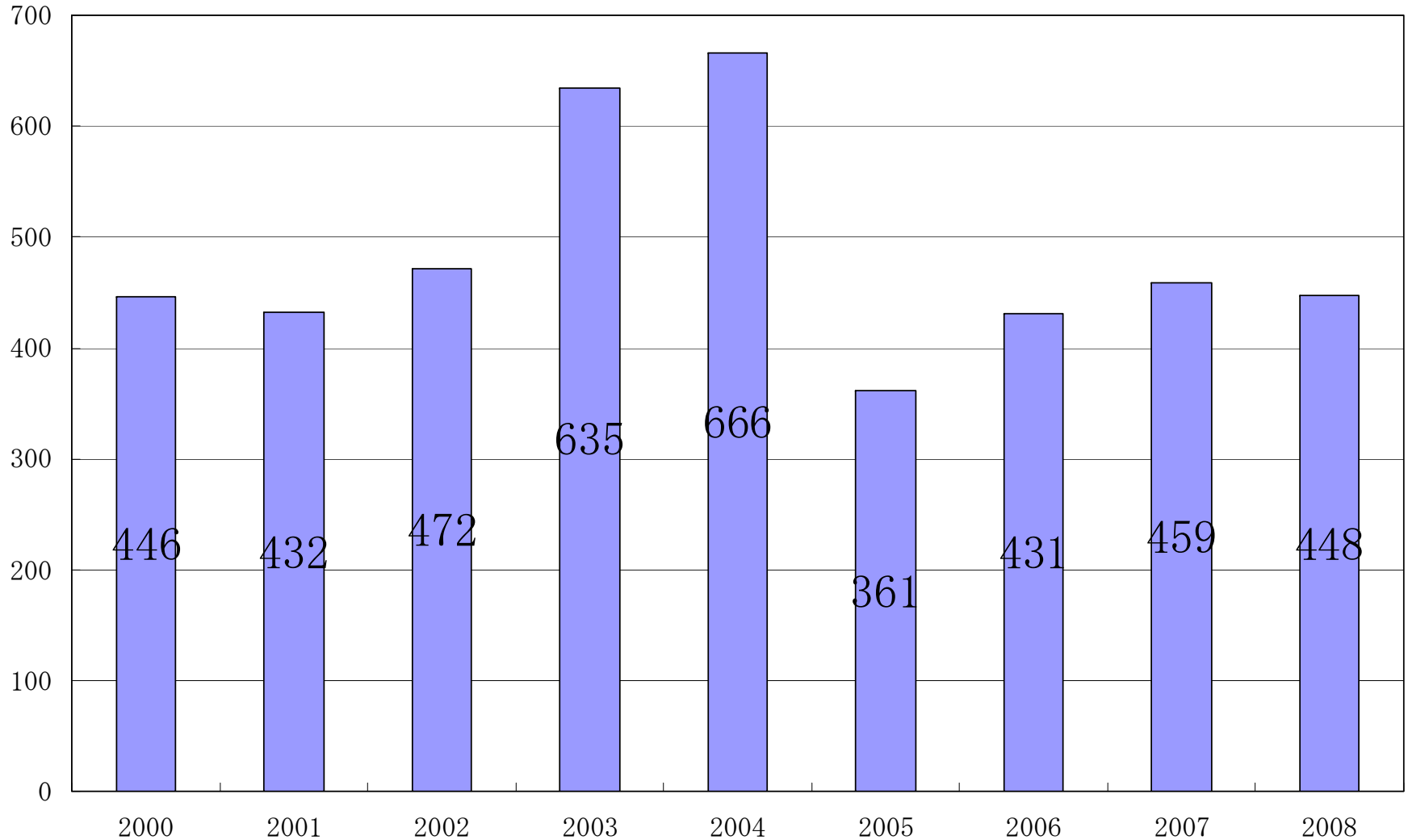


Distribution of reports from Japanese VOS in 2008



Number of Japanese VOS

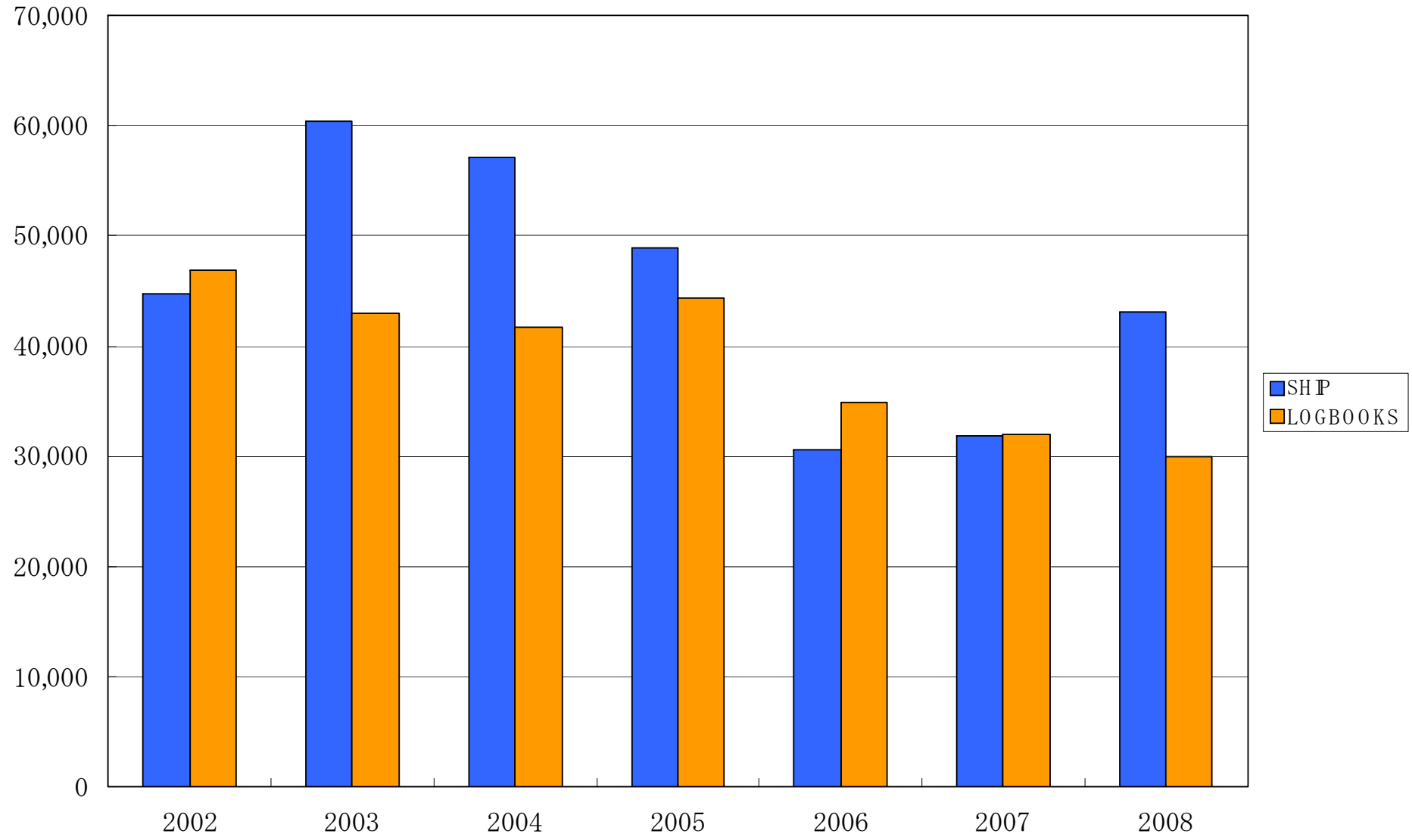
(Ships)



Number of weather report by Japanese VOS

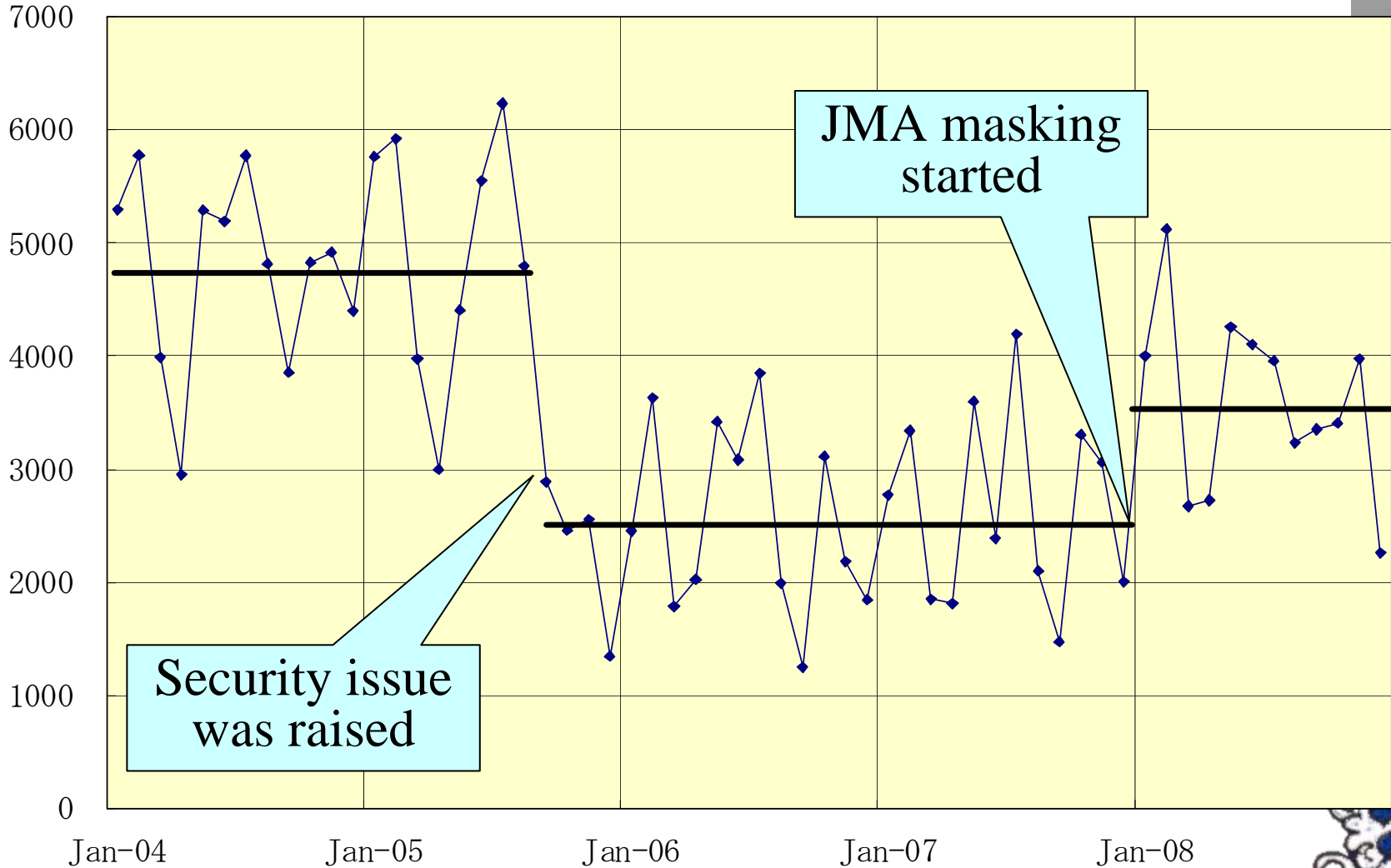


(Reports)



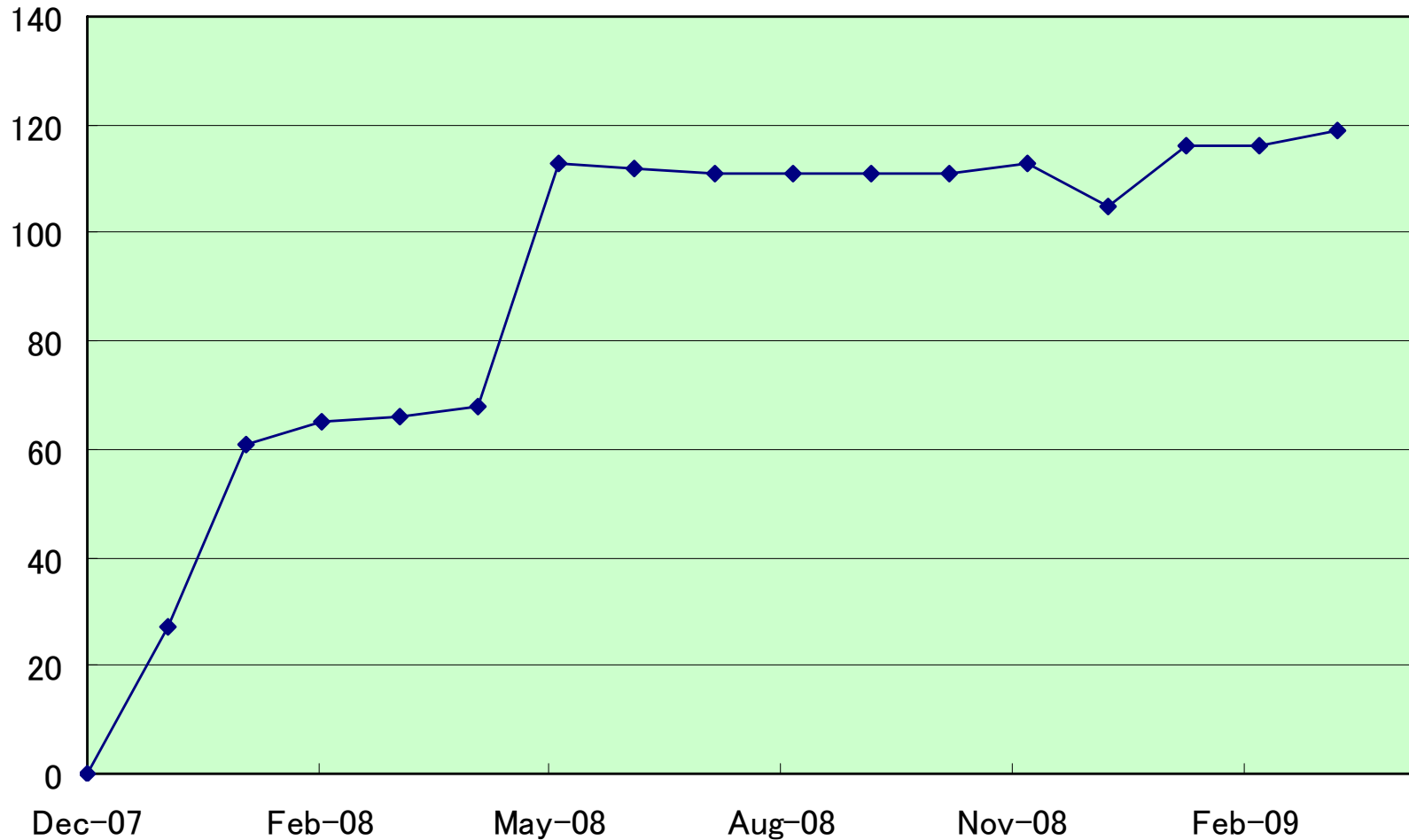
Recovery of the number of weather reports with original callsign by SHIP masking

Reports
/month



The number of Japanese VOS allowing release of original data after 3 months

(Ships)



Brochures and website

- Promotion of accurate weather reporting.
- Information on VOS related issues such as ship masking, LES change, new weather information etc.
- Registration of Pub47, ship masking etc.
- Distribution of e-logbook software etc.



船と海上気象

THE SHIP AND
MARITIME METEOROLOGY

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- 国土交通大臣表彰船舶「白鳳丸」へのインタビュー
- 北西太平洋の温暖化に関する国際シンポジウムのご案内
- 地球温暖化予測情報第7巻について
- 2009年3月4日よりJMH送債局が移転します
- はれるんからの一言 波高の目標観測
- 船舶気象観測の通報方法についてのお願
- 世界気象機関に報告する船舶メタデータの重要性について
- 2009年1月現在の「気象測器の備え付け状況等に関する報告書」の提出にご協力を



気象庁海洋気象観測船 凧風丸
The JMA Research Vessel "RYOYU MARU"



気象庁
Japan Meteorological Agency

ISSN 0429-9000

Marine Meteorological Observations and the Services of Port Meteorological Officers

March 2009 Global Environment and Marine Department, Japan Meteorological Agency (JMA)

Marine meteorological observations and reports from vessels are indispensable in the creation of related information such as marine meteorological forecasts and warnings. These data are also important in monitoring and researching climate changes such as global warming.

Marine meteorological observation

To facilitate the collection of weather data over vast ocean areas, the World Meteorological Organization (WMO) - a specialized agency of the United Nations - encourages ships to make meteorological observations and report them under the Voluntary Observing Ship (VOS) scheme. In Japan, the Meteorological Service Act stipulates that ships in the western North Pacific are obliged to make and report meteorological observations.

Real-time weather reports can be sent to the Japan Meteorological Agency (JMA) through the INMARSAT-C or -B service with no charge to ships by using code 41. The reported data are used as a basic resource to issue various forms of meteorological information worldwide. After the end of a voyage, marine meteorological logbooks should be sent as non-real-time reporting to JMA by mail or e-mail. These data are also used to monitor and predict world climate changes, and global warming in particular. Logbooks can be sent free of charge using the envelopes provided by JMA.

The JMA website

JMA operates the 'Ships' Weather Observations/Reports' website at the following URL:

<http://marine.kishou.go.jp/en/index-en.html>

Other resources such as pamphlets and downloads of OBSJMA software are also available on the site.

OBSJMA software

JMA distributes a free software application called OBSJMA, which automatically calculates values such as mean sea level pressure and encodes observation data in the defined format.

This software is useful for observers with a Windows computer available on board.



Ships' Weather Observations/Reports



The main screen of OBSJMA

<http://marine.kishou.go.jp/en/index-en.html>

Ships' Weather Observations/Reports

Marine Division, Global Environment and Marine Department, Japan Meteorological Agency

Home | PMS | Instruments Check | Weather Report | Report on Instruments | VOS Awards | Reference | Bulletin | Link | Japanese

Marine meteorological observation is indispensable to provide weather information for ships such as marine meteorological forecast or warnings, and is also used for monitoring and study of climate change such as global warming. It is highly appreciated that ships will cooperate on marine meteorological observations and reports as Voluntary Observing Ships (VOSs). The website "Ships' Weather Observations/Reports" is to provide information to support VOS activities.

Contents

Port Meteorological Services

- Port Meteorological Services (PMS)
- Instruments check

Observations and Reports

- Weather Report
- Report on equipment of meteorological instruments on board
- Awards for ships that contributes to marine meteorological observations and reporting

Publications and Materials

- Reference materials for marine meteorological observations
- Public bulletin "Ship and Maritime Meteorology"

Links and Others

- Links to marine meteorological information for ships

JMA website

JMA brochures

Award to Ships for Their Contributions to the Marine Meteorological Observations and Reporting

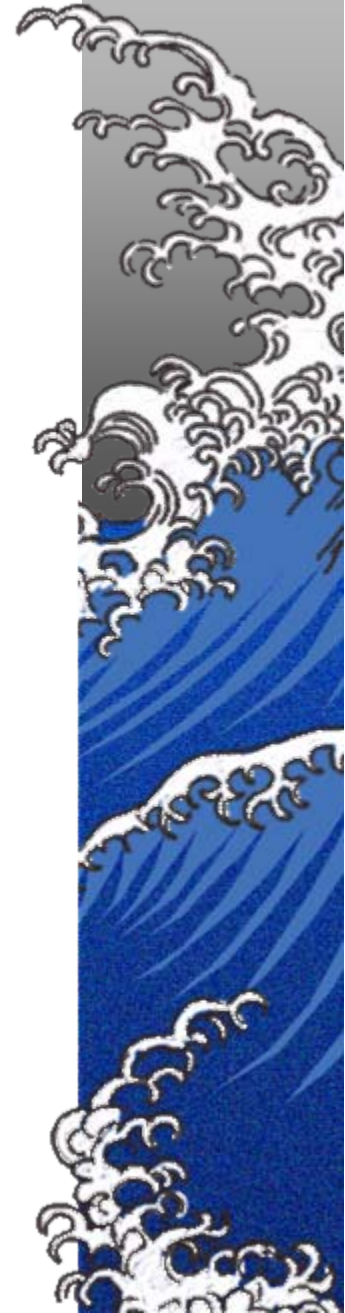


Minister Tetsuzo Fuyushiba presents an award to Captain Fujita of HAKUHO MARU



photo Credit: Japan Agency for Marine-Earth Science and Technology

2. VOSClm Activity in Japan



Five JMA R/Vs

Seifu Maru



Kofu Maru



Ryofu Maru



Chofu Maru

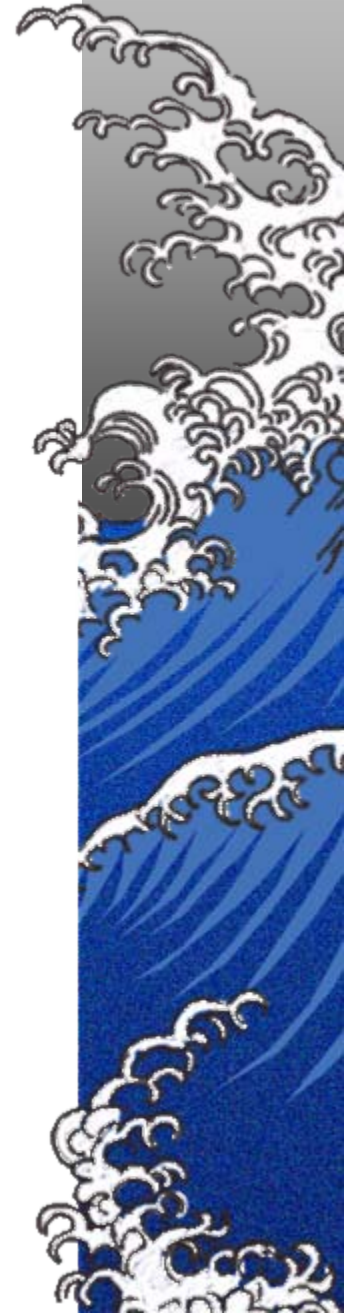


Keifu Maru



About 12,000 data
(Unmasked)

3. SOOP Activity in Japan



Ships participating in SOOP in 2008

Ship name	Agency	Line	No. of reports
KAMINESAN	JAMSTEC	IX09N/ IX10	312
Miyagi Maru	Tohoku Univ./ JAMSTEC	PX40	114
Ryofu Maru/ Keifu Maru	JMA	PX45/ PX46	245



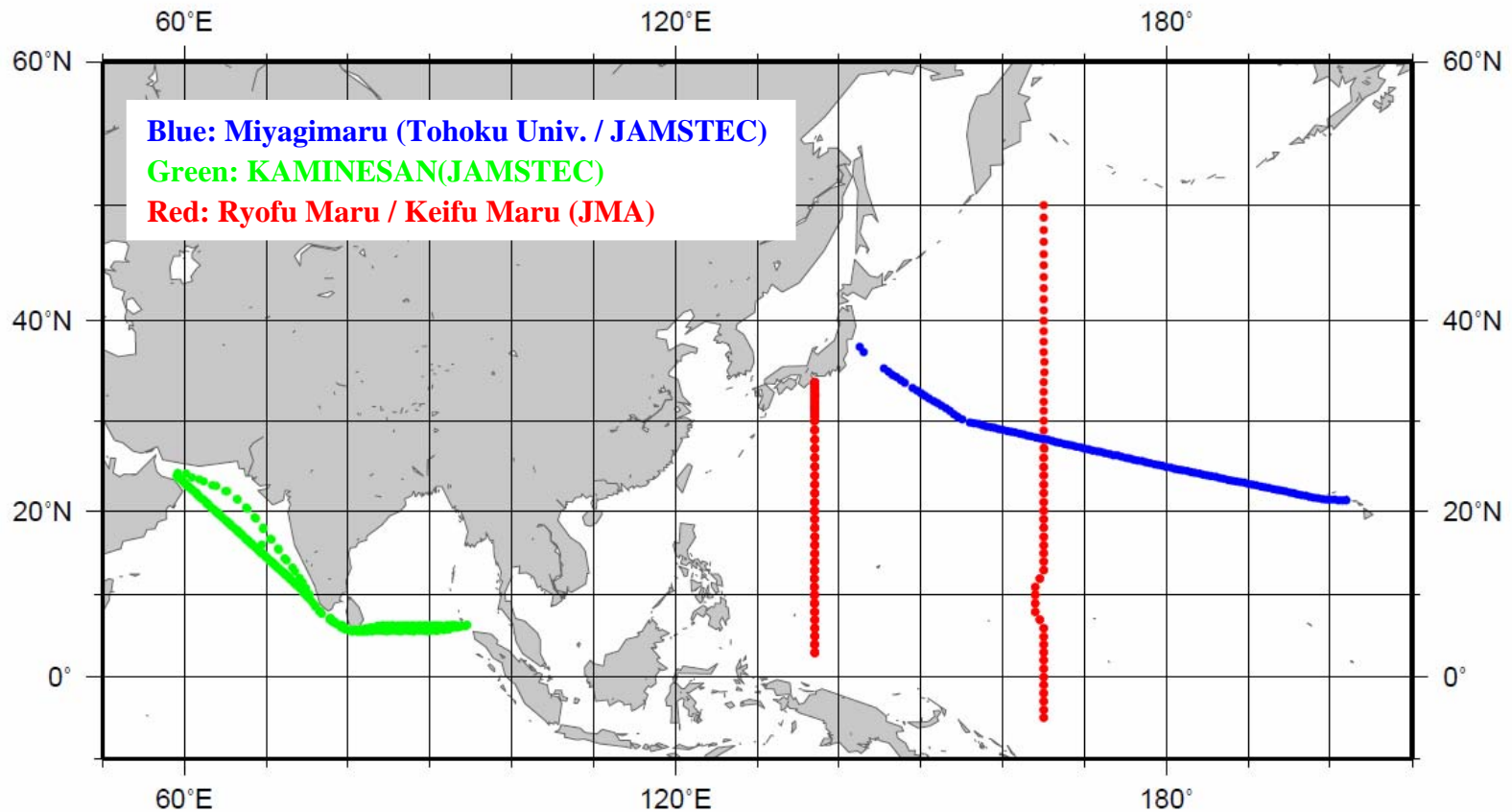
KAMINESAN



MIYAGI MARU

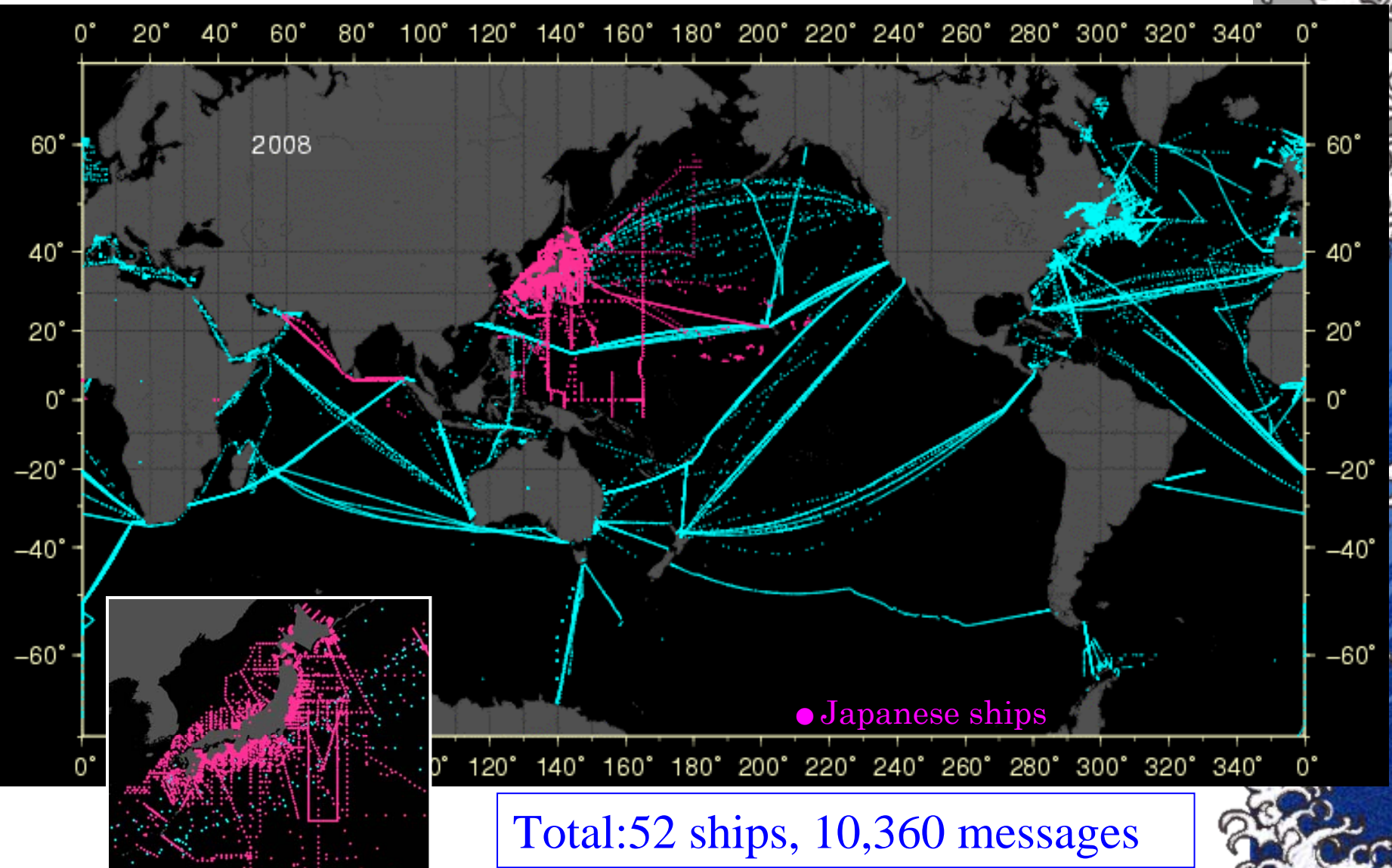
Distribution of BATHY/TESAC on SOOP lines in 2008

JAPAN SOOP in 2008

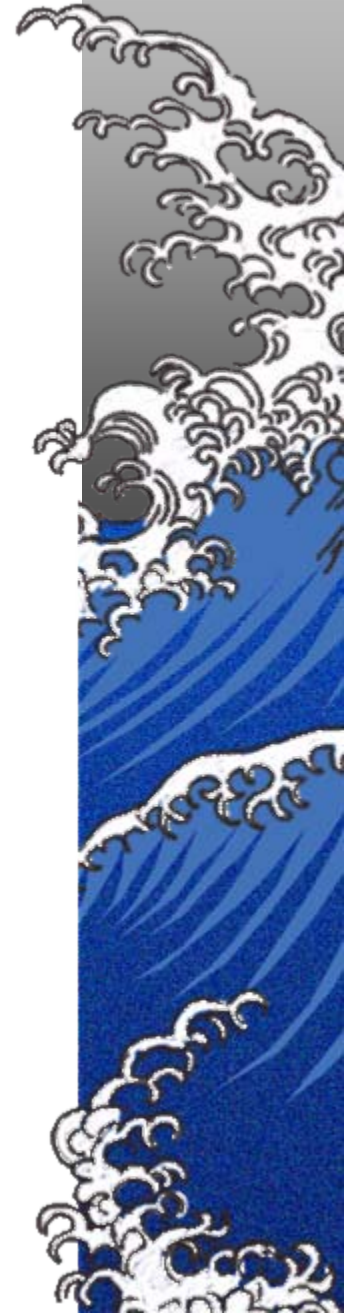


Total: 671 reports

Total number of BATHY/TESAC by Japanese research vessels and fisheries training vessels



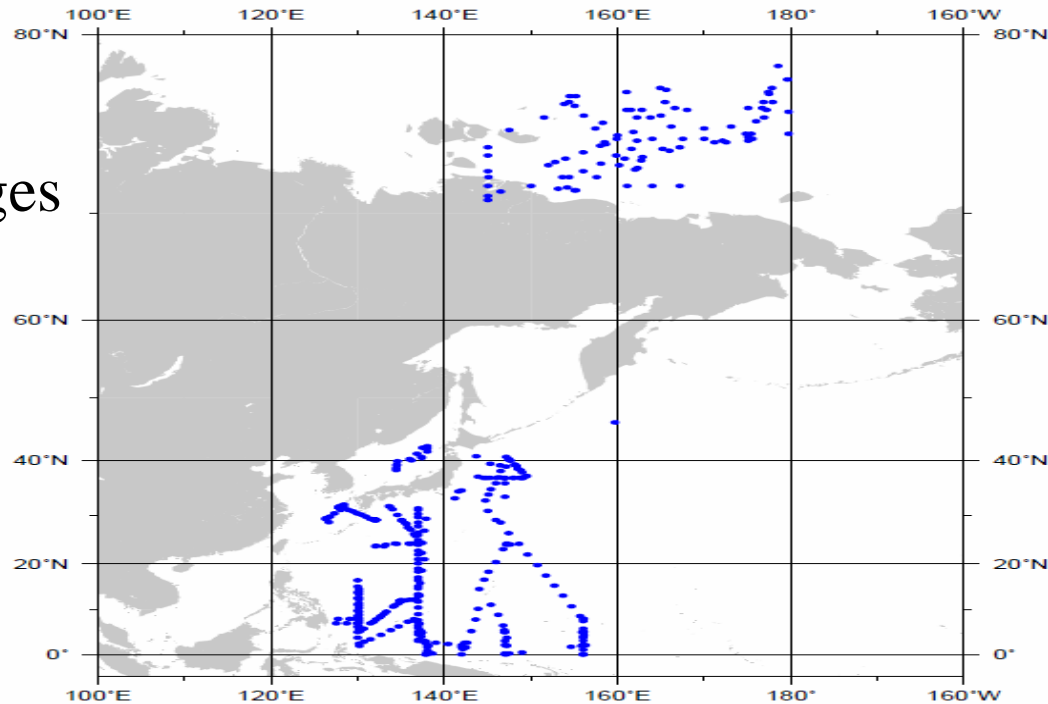
4. ASAP Activity in Japan



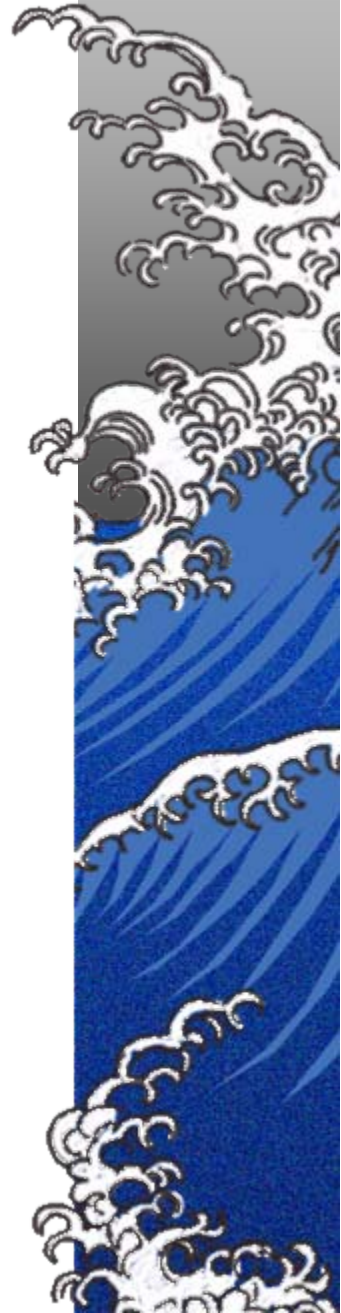
ASAP participant ships in Japan

Ship name	Callsign	Agency	No. of TEMPSHIP	Percentage on GTS	Area of operation
Ryofu Maru	JGQH	JMA	74	100	North Pacific
Kofu Maru	JDWX	JMA	26	93	Seas adjacent to Japan
Seifu Maru	JIVB	JMA	67	100	Seas adjacent to Japan
Chofu Maru	JCCX	JMA	106	100	Seas adjacent to Japan
Mirai	JNSR	JAMSTEC	423	98	Variable

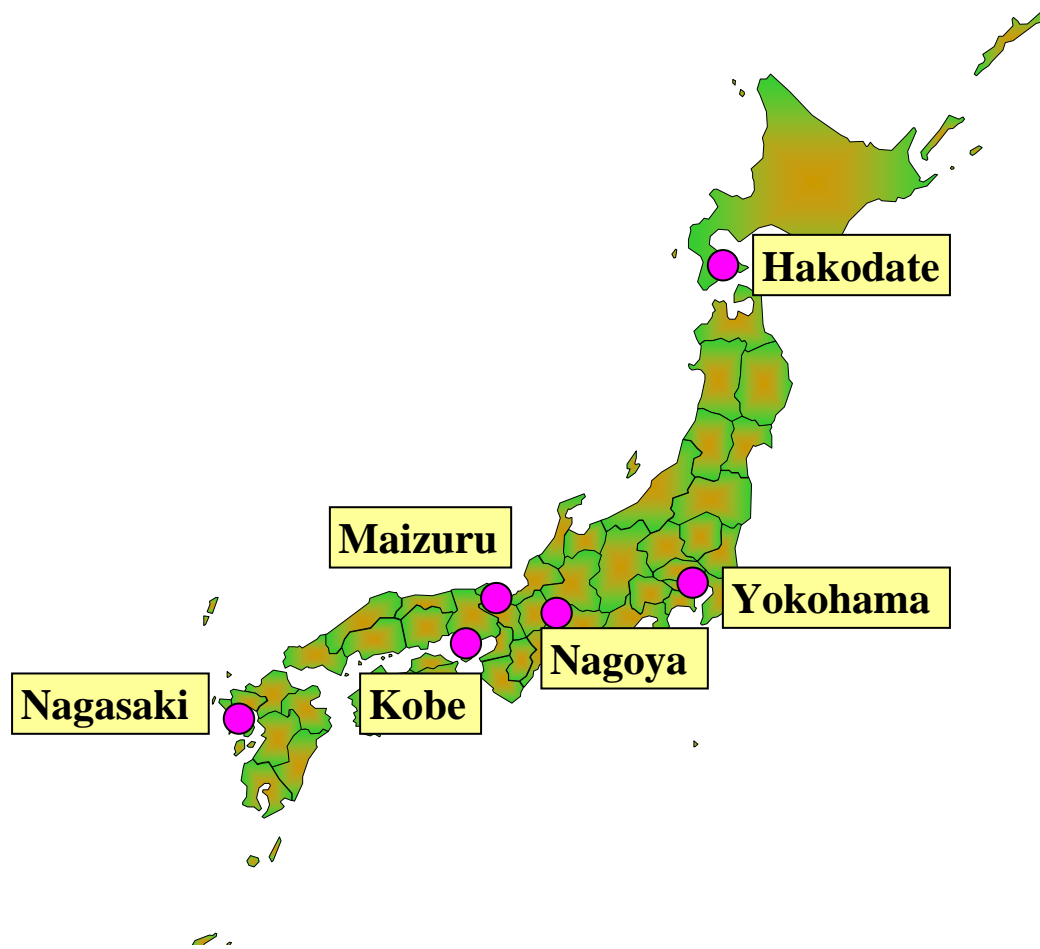
Total:696 messages



5. PMO Activity in Japan



PMOs in Japan



- PMOs are appointed at Yokohama, Nagoya and Kobe port.
- Hakodate, Maizuru and Nagasaki marine observatories also provide PMS.

Total number of Barometer Check by PMO

(Times)

