

ASAP Report for 2007

(JAPAN)

a. Catalogue of ASAP vessels in 2007 (see Appendix 3):

b. Major challenges and difficulties:

c. Other comments:

Yoneyama et al. (2008) reported the dry bias in the Vaisala RS92 radiosonde data and developed a correction scheme.

*Yoneyama et al. (2008): Correction for radiation dry bias found in RS92 radiosonde data during the MISMO field experiment, SOLA, 4, 13-16. (Available from <http://www.jstage.jst.go.jp/browse/sola/>)

d. ASAP Performance						
Callsign	Total number of sondes launched	Number of TEMP SHIP transmitted	Number of relaunches	Average terminal sounding height (km)	Balloon size (gm)	Percentage on GTS (see note)
JGQH	184	183	4	26.0	350	99.5
JDWX	87	87	0	25.3	350	100
JIVB	108	108	1	25.6	350	100
JCCX	134	134	1	25.3	350	100
JNSR	35	34	0	22.1	200	70.6*
<p>Percentage on the GTS is the ratio of reports received against reports transmitted, and is based upon reports received at a data centre or GTS insertion point (Tokyo)</p> <p>*Reports at 00, 06, 12, 18 UT were received at the JMA but were not disseminated on the GTS due to a data processing error in the JMA system in the period from January to March of 2007.</p>						

Appendix 3. Catalogue of ships participating in ASAP in 2007.

(JAPAN)

5 ASAP units operated during the year on 5 ships

Type of ship (1)	Ship name	Callsign	Comms method (2)	Windfind method / sonde type (3)	Launch method (4)	Launch height (5)	Area of operation (6)	ASAP unit ID No.
Research ship	Ryofu Maru	JGQH	Others (DCP via the MTSAT)	GPS/Vaisala RS92-SGP	Container (Semi-automatic)	8m	North Pacific	708514
Research ship	Kofu Maru	JDWX	Others (DCP via the MTSAT)	GPS/Vaisala RS92-SGP	Container (Semi-automatic)	6m	Seas adjacent to Japan	191678
Research ship	Seifu Maru	JIVB	Others (DCP via the MTSAT)	GPS/Vaisala RS92-SGP	Container (Semi-automatic)	6m	Seas adjacent to Japan	458533
Research ship	Chofu Maru	JCCX	Others (DCP via the MTSAT)	GPS/Vaisala RS92-SGP	Container (Semi-automatic)	6m	Seas adjacent to Japan	126138
Research ship	Mirai	JNSR	Inmarsat-C	GPS/Vaisala RS92-SGP	Container (Semi-automatic)	18m	Variable	-

(1) **Type of ship:** Merchant, research, supply

(2) **Comms method:** Inmarsat C or others

(3) **Windfind method / sonde type:** eg. GPS/Vaisala RS80-G, Loran/Vaisala RS80-L, VIZ GPS Mark II Microsonde, etc

(4) **Launch method:** deck launcher (portable), deck launcher (fixed), container (manual), container (semi automatic), other

(5) **Launch height:** height above sea level from where the sonde is released

(6) **Ocean area:** North Pacific, North Atlantic, Indian Ocean, variable