

Status of the IDCS

This paper reports on the status of the IDCPs registered on the MTSAT IDCS (GMS IDCS, before 27 April 2005).

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1. Introduction

The purpose of this document is to report on the current number of registered International Data Collection Platforms (IDCPs) within the MTSAT International Data Collection System (IDCS), the operational status, and the interference on the MTSAT IDCS (GMS IDCS, before 27 April 2005) channels.

2. Status of the registered IDCPs

As of the end of August 2005, 64 IDCPs are registered on the MTSAT IDCS, and they are operated on 8 of the 33 international channels. The registered IDCPs include 57 on ships and 7 on aircraft, i.e. Aircraft to Satellite Data Relay (ASDAR). Figure 1 shows the history of registrations on the GMS/MTSAT IDCS from December 2002 to July 2005. There is no apparent change in the number of the registered IDCPs.

3. Status of the IDCP messages and interference on the IDCS channels

Reception and dissemination of IDCP messages from April 2004 to July 2005 is summarized in Table 1. ASDARs are assigned to channel 18, and ships are assigned to the other channels, i.e. channels 6, 7, 10, 14, 15, 16 and 20. The received IDCP messages except for invalid and duplicated messages are disseminated via the GTS.

Status of interference to the IDCS channels from April 2004 to July 2005 is summarized in Table 2. In this period, severe interferences causing data collection failure were observed in 4 of 33 IDCS channels, i.e. channels 1, 2, 31 and 33.

GMS/MTSAT Monthly Operations Report is available in the Meteorological Satellite Center (MSC) web site (http://mscweb.kishou.go.jp/operation/opr_report.htm).

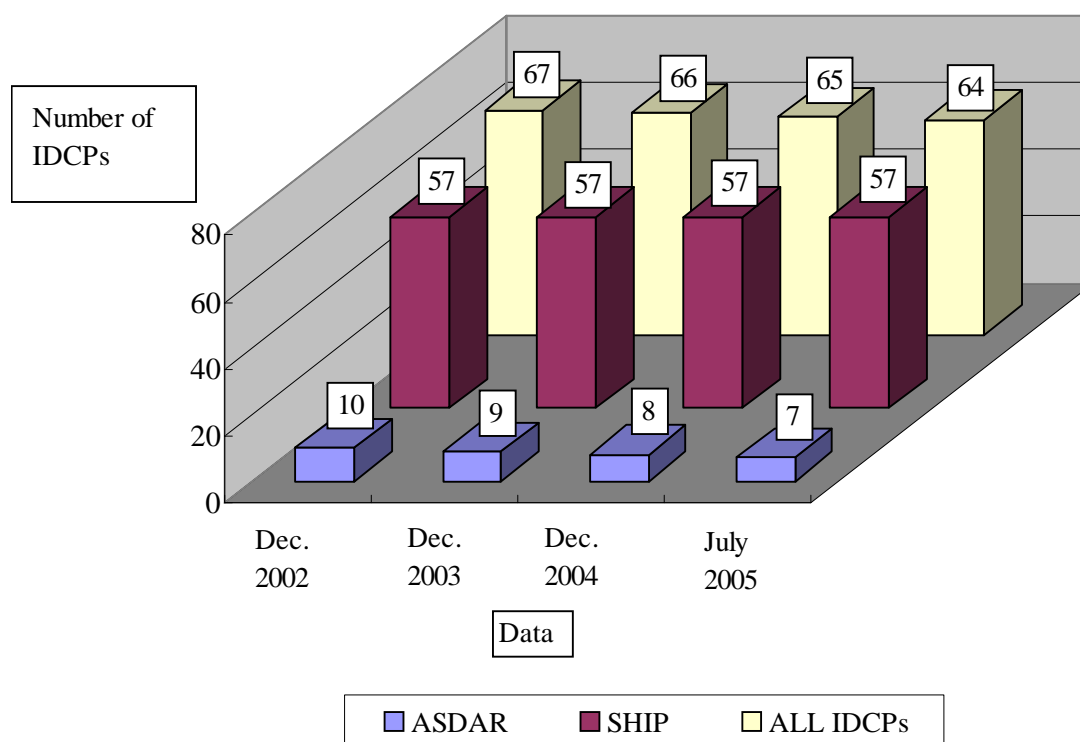


Figure 1 History of registration on the IDCS

Table 1 Reception and dissemination of IDCP messages
(April 2004 - July 2005)

Channel	06	07	10	14	15	16	18	20	Total
Number of registered IDCPs	14	22	3	3	7	5	7	3	64
Received messages	0	13	0	0	6696	0	5517	0	12226
Disseminated Messages to the GTS*	0	13	0	0	1165	0	4794	0	5972

* Invalid messages and duplicated messages were eliminated.

Table 2 Interference on the IDCS Channels
(April 2004 - July 2005)

	2004									2005						
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
CH 1	S	W	S	S	S	W	S	S	S	S	S	S	S	W	W	W
CH 2						S					W		W	S	S	S
CH 3																
CH 4																
CH 5					W		W	W	W	W	W	W			W	
CH 6																
CH 7				W	W		W	W	W	W	W					
CH 8						W										
CH 9																
CH10																
CH11																
CH12																
CH13																
CH14																
CH15																
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CH18																
CH19																
CH20																
CH21																
CH22																
CH23																
CH24																
CH25			W		W	W	W	W	W	W		W	W	W	W	W
CH26														W	W	W
CH27																
CH28																
CH29																
CH30																
CH31	S	W														
CH32					W											
CH33	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S

W: weak interference
S: severe interference