

# GMS Monthly Operations Report

## March 2004

### 1. Events of Special Operation

#### 1.1 Eclipse Operation

The Spring Eclipse Operation of GMS-5 was performed every day in March.

#### 1.2 Solar-interference Operation

The Solar-interference Operation of GMS-5 was performed on March 1.

#### 1.3 System Maintenance

The maintenance of the ground system was not performed in this month.

### 2. Image Observation and Dissemination

#### 2.1 S-VISSR type data dissemination

The GOES-9 images of G13, G14 and G15 were not observed in March due to the Spring Eclipse Operation of GOES-9, and the images of G02 were not observed from March 1 to March 10 due to the Solar-interference Operation of GOES-9. By these reasons, the disseminations of S-VISSR type data was cancelled at

G02 from March 1 to March 10 and  
G13, G14 and G15 every day in March.

Except for the scheduled cancellation, the data disseminations were performed in satisfactory. The following table shows the performance and summary of the S-VISSR type data disseminations in this month.

Performance of S-VISSR type data disseminations

	S-VISSR type data Disseminations	Remarks
Scheduled	641	
Performed	639	
Performance in %	99.7	

Summary of anomaly S-VISSR type data disseminations

Date	Product	Remarks
March 22	09UTC	The 0825UTC image was lost at 49S and southern latitude.
March 25	05UTC	The 0413UTC image was lost at 50S and southern latitude.

Summary of canceled S-VISSR type data disseminations

Date	Product	Reasons
March 12	04UTC	The 0325UTC image was missing.
March 20	16UTC	The 1525UTC image was missing.

2.2 WEFAX Dissemination

By the same reason of the cancellation of the S-VISSR type data disseminations, the WEFAX disseminations were cancelled at

H/I-02 from March 1 to March 10 and  
H/J-13, H/J-14, H/J-15 and A/B/C/D-15 every day in March.

Except for the scheduled cancellation, the data disseminations were performed in satisfactory. The following table shows the performance and summary of the WEFAX disseminations in this month.

Performance of WEFAX Disseminations

GMS-5	Disseminated	Remarks
Scheduled	2274	
Performed	2270	
Performance in %	99.8	

Summary of anomaly WEFAX disseminations

Date	Product	Remarks
None	None	

Summary of Cancelled WEFAX Dissemination

Date	Product	Reasons
March 12	04UTC	The 0325UTC image was missing.
March 20	16UTC	The 1525UTC image was missing.

### 3. Data Collection System

#### 3.1 International Data Collection System (IDCS)

The following table shows the number of IDCP messages received at MSC and disseminated through the GTS.

Reception and Dissemination of Messages

IDCP channel	Number of IDCPs <sup>a)</sup>	Received messages	Format errors <sup>b)</sup>	Non WMO code <sup>c)</sup>	Disseminated messages to the GTS
I06	14	0	0	0	0
I07	22	30	0	0	30
I10	3	0	0	0	0
I14	3	0	0	0	0
I15	7	152	0	0	152
I16	5	0	0	0	0
I18 (ASDAR)	8	195	45	0	150
I20	3	0	0	0	0
Total	65	377	45	0	332

a) Number of DCPs registered on GMS-5 IDCS as of 1 May 2003.

b) Format error was caused by the radio telecommunication interference.

c) The messages were none or unsuited to the WMO codes and "DATA BUFFER EMPTY" or "NO MESSAGE was detected by the DCP data processing software at MSC

#### 3.2 Interference on IDCP Channels

The following table shows interference on the channels of the GMS International Data Collection System (IDCS).

Interference on GMS IDCS Channels (Mar. 2004)

ch.	1	2	3	4	5	6	7	8	9	10	11
Mar.	S						W				

Ch.	12	13	14	15	16	17	18	19	20	21	22
Mar.											

Ch.	23	24	25	26	27	28	29	30	31	32	33
Mar.			W			W			S	W	S

S: severe interference

W: weak interference

### 4. Satellite System Status

#### 4.1 Satellite Status

GMS-5 was located at longitude of 140 degrees east and continued to provide its operational services.

#### 4.2 Maneuver

The East-West Station Keeping maneuver of GMS-5 was performed on March 22.

#### 5. Ground System Status

The operation for the ground system was satisfactory.