

## GMS Monthly Operations Report

### July 2004

#### 1. Events of Special Operation

##### 1.1 Eclipse Operation

There was no Eclipse Operation of GMS-5.

##### 1.2 Solar-interference Operation

There was no Solar-interference Operation of GMS-5.

##### 1.3 System Maintenance

System maintenance, which affects GMS operation, was not performed in this month.

#### 2. Image Observations and Dissemination

##### 2.1 S-VISSR type data disseminations

The GOES-9 images of G04, G05 were canceled at July 8, due to East-West Station Keeping Manuver of GOES-9.

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<br>Disseminations | Remarks |
|------------------|-------------------------------------|---------|
| Scheduled        | 742                                 |         |
| Performed        | 741                                 |         |
| Performance in % | 99.9                                |         |

Summary of anomaly S-VISSR type data disseminations

| Date    | Product | Remarks                                   |
|---------|---------|---|
| July 17 | 05UTC   | Some parts of full disk image were lost.  |
| July 29 | 14UTC   | The 1325UTC image was lost from 5N to 2N. |

Summary of canceled S-VISSR type data disseminations

| Date   | Product | Reasons                         |
|--------|---------|---------------------------------|
| July 8 | 10UTC   | Trouble of ground system in JMA |

## 2.2 WEFAX Dissemination

WEFAX disseminations were canceled at H/I-04 and H-05 July 8, due to East-West Station Keeping Manuver of GOES-9.

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

Performance of WEFAX Disseminations

| GMS-5            | Disseminated | Remarks |
|------------------|--------------|---------|
| Scheduled        | 2601         |         |
| Performed        | 2601         |         |
| Performance in % | 100.0        |         |

Summary of anomaly WEFAX disseminations

| Date    | Product | Remarks                                  |
|---------|---------|--|
| July 17 | 05UTC   | Some parts of full disk image were lost. |

Summary of Cancelled WEFAX Dissemination

| Date | Product | Reasons |
|------|---------|---------|
| None |         |         |

## 3. Data Collection System

### 3.1 International Data Collection System (IDCS)

The following table shows the IDCP messages are 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                            | 0                 | 0                           | 0                          | 0                                |
| I10          | 3                             | 0                 | 0                           | 0                          | 0                                |
| I14          | 3                             | 0                 | 0                           | 0                          | 0                                |
| I15          | 7                             | 121               | 0                           | 0                          | 121                              |
| I16          | 5                             | 0                 | 0                           | 0                          | 0                                |
| I18 (ASDAR)  | 8                             | 397               | 44                          | 0                          | 353                              |
| I20          | 3                             | 0                 | 0                           | 0                          | 0                                |
| Total        | 65                            | 518               | 44                          | 0                          | 474                              |

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 the interference on GMS International Data Collection System(IDCS) channels.

Interference on GMS IDCS Channels (Jul. 2004)

|      |   |   |   |   |   |   |   |   |   |    |    |
|------|---|---|---|---|---|---|---|---|---|----|----|
| ch.  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Jul. | S |   |   |   |   |   | W |   |   |    |    |

|      |    |    |    |    |    |    |    |    |    |    |    |
|------|----|----|----|----|----|----|----|----|----|----|----|
| Ch.  | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| Jul. |    |    |    |    |    |    |    |    |    |    |    |

|      |    |    |    |    |    |    |    |    |    |    |    |
|------|----|----|----|----|----|----|----|----|----|----|----|
| Ch.  | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| Jul. |    |    |    |    |    |    |    |    |    |    | S  |

S: severe interference

W: weak interference

## 4. Satellite System Status

### 4.1 Satellite Status

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

### 4.2 Maneuver

East-West Station keeping maneuver of GMS-5 was performed on July 1.

## 5. Ground System Status

The operation for the ground system was satisfactory.