

GMS Monthly Operations Report

November 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 Autumn Eclipse Operation of GOES-9 was ended on November 1. Therefore, the S-VISSR type data disseminations were changed as follows:

G13 and G14 were changed into northern hemisphere data on November 1.

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	720	
Performed	719	
Performance in %	99.9	

Summary of anomaly S-VISSR type data disseminations

Date	Product	Remarks
November 1	00UTC 01UTC	Infrared images: The brightness temperature is about 5 degrees higher than normal temperature. Water Vapor images: The brightness temperature is 10 to 15 degrees lower than normal temperature.
November 1	20UTC	The 1925UTC image was lost at 57N and northern latitude.
November 3	04UTC	The 0325UTC image was lost from 18S to 27S.

November 18	01UTC	The 0025UTC image was lost from 2N to 7N.
November 19	01UTC	The 0025UTC image was lost from 14N to 36N.
November 30	13UTC	The 1225UTC image was lost from 16N to 21N.

Summary of canceled S-VISSR type data disseminations

Date	Product	Reasons
November 3	06UTC	The 0525UTC GVAR data was anomaly.

2.2 WEFAX Dissemination

The Autumn Eclipse Operation of GOES-9 was continued in this month. Therefore, the WEFAX disseminations were changed as follows:

Expect 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	2520	
Performed	2514	
Performance in %	99.8	

Summary of anomaly WEFAX disseminations

Date	Product	Remarks
November 1	00UTC 01UTC	H-00, A/B/C/D-00 and H-01: The brightness temperature is about 5 degrees higher than normal temperature. K/L/M/N-00: The brightness temperature is 10 to 15 degrees lower than normal temperature.
November 19	01UTC	The 0025UTC image was lost from 14N to 36N.
November 30	13UTC	The 1225UTC image was lost from 16N to 21N.

Summary of Cancelled WEFAX Dissemination

Date	Product	Reasons
November 3	06UTC	The 0525UTC GVAR data was anomaly.

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 ^{a)}	Received messages	Format errors ^{b)}	Non WMO code ^{c)}	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	748	0	582	166
I16	5	0	0	0	0
I18 (ASDAR)	8	303	48	0	255
I20	3	0	0	0	0
Total	65	1051	48	582	421

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 (Nov. 2004)

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

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

ch.	23	24	25	26	27	28	29	30	31	32	33
Nov.			W								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

Spin rate maneuver of GMS-5 was performed on November 25.

5. Ground System Status

The operation for the ground system was satisfactory.