Meteorological Satellite Center
Japan Meteorological Agency

MTSAT Monthly Operations Report

June 2008

1. Special operation events

1.1 Eclipse operation

There was no Eclipse Operation of MTSAT-1R.

1.2 Solar-interference operation

There was no Solar-interference Operation of MTSAT-1R.

2. Imagery dissemination

2.1 High Rate Information Transmission (HRIT) imagery via MTSAT-1R

HRIT dissemination via MTSAT-1R was performed according to the regular schedule. The following tables show the performance of HRIT dissemination and a summary of canceled HRIT dissemination during June 2008.

Performance of HRIT dissemination via MTSAT-1R

	HRIT	Remarks
Scheduled	1678	
Performed	1673	
Performance in %	99.70	

Summary of canceled HRIT dissemination via MTSAT-1R

Date	HRIT	Reasons
June 25	F22,N22,F23,N23,N23W	Ground system trouble

2.2 Low Rate Information transmission (LRIT) imagery via MTSAT-1R

LRIT dissemination via MTSAT-1R was performed according to the regular schedule. The following tables show the performance of LRIT dissemination and a summary of canceled LRIT dissemination during June 2008.

Performance of LRIT dissemination via MTSAT-1R

	LRIT	Remarks
Scheduled	2157	
Performed	2151	
Performance in %	99.72	

Summary of canceled LRIT dissemination via MTSAT-1R

Date	LRIT	Reasons
June 25	F22,N22,F23,N23	Ground system trouble

2.3 HRIT imagery via landline

HRIT dissemination via landline was performed according to the regular schedule. The following tables show the performance of its dissemination and a summary of canceled HRIT dissemination during June 2008.

Performance of HRIT dissemination via landline

	HRIT	Remarks
Scheduled	11985	
Performed	11950	
Performance in %	99.71	

Summary of canceled HRIT dissemination via landline

Date	HRIT	Reasons
June 25	F22,N22,F23,N23,N23W	Ground system trouble

3. Data Collection System

3.1 International Data Collection System (IDCS)

The following table shows the status of reception and dissemination of International Data Collection Platform (IDCP) messages that were received in MTSAT-1R's area of responsibility.

Reception and dissemination of IDCP messages

IDCP channels	Numbers of IDCPs [a)]	Received messages	Error messages [b)]	Massages disseminated to the GTS
I06	0	0	0	0
I07	0	0	0	0
I12	3	0	0	0
I14	0	0	0	0
I15	2	548	548	0
I16	4	0	0	0
I18	0	0	0	0
I20	2	0	0	0
Total	11	548	548	0

a) IDCP numbers are those registered in MTSAT-DCS as of June 1, 2008.
b) No message, or message unsuitable for WMO codes.

3.2 Interference on IDCP channels

The following table shows interference on MTSAT International Data Collection System (IDCS) channels that occurred during June 2008.

Interference on MTSAT IDCS Channels (June, 2008)

Channel	1	2	3	4	5	6	7	8	9	10	11
Interference											
Channel	12	13	14	15	16	17	18	19	20	21	22
Interference											
Channel	23	24	25	26	27	28	29	30	31	32	33
Interference											H

Note - W: weak interference / H: harmful interference

4. Satellite system status

4.1 Satellite status

MTSAT-1R is located at 140 east longitude and continues to provide operational services.

4.2 Maneuver

1) A north-south station-keeping maneuver of MTSAT-1R was carried out from 15:56 UTC on June 1, 2008.
2) An east-west station-keeping maneuver of MTSAT-1R was carried out from 04:14 UTC on June 6, 2008.
3) A north-south station-keeping maneuver of MTSAT-1R was carried out from 14:56 UTC on June 19, 2008.
4) An east-west station-keeping maneuver of MTSAT-1R was carried out from 19:14 UTC on June 23, 2008.

4.3 Orbit elements of MTSAT-1R

The orbit elements of MTSAT-1R are shown in the following table.

Epoch 08:00:0.00 UTC on July 12, 2008

	Element	Unit	Value
Orbit	Semi-major axis (a)	Km	42165.351085
	Eccentricity (e)	-	0.000248150
	Inclination (I)	Degrees	0.086189
	Right ascension of ascending node (Ω)	Degrees	229.364106
	Argument of perigee (ω)	Degrees	247.946514
	Mean anomaly (M)	Degrees	73.356426