CGMS-XXVIII JPN-WP-05 Prepared by JAPAN Agenda Item G.1

# SCHEDULES OF MTSAT-1R OBSERVATIONS AND IMAGE DATA DISSEMINATION

This document reports Schedules of MTSAT-1R Observations and Image Data Dissemination.

## SCHEDULES OF MTSAT-1R OBSERVATIONS AND IMAGE DATA DISSEMINATION

#### 1. MTSAT-1R observations schedule

MTSAT-1R observations schedule are shown in Attachment-1 and 2. Observations will consist of hourly full disk observations and hourly observations of the northern hemisphere at first half of an hour. And also six-hourly sequential hemisphere observations for wind vector extraction will be performed.

#### 2. Image data dissemination

There are four types of image data dissemination. High Rate Information Transmission (HRIT) and High Resolution Imager Data (HiRID) for Medium-scale Data Utilization Station (MDUS), and Low Rate Information Transmission (LRIT) and WEFAX for Small-scale Data Utilization Station (SDUS). HRIT will be started to operate at the end of March 2005 and HiRID will be terminated in March 2008. WEFAX will be terminated in March 2005.

MTSAT-1R has a function to disseminate image/data by HRIT (or HiRID) and by LRIT (or WEFAX) simultaneously. On the other hand, dissemination by HRIT and HiRID (or dissemination by LRIT and WEFAX) is operated successively with time sharing method. The dissemination schedule of HRIT, HiRID, LRIT and WEFAX are shown in Attachments 1 and 2. All of observed images will be disseminated by HRIT and HiRID. Hourly Full Disk images and Northern Hemisphere images (Far-East Area) will be disseminated by LRIT, and hourly Far-East Area images and 3-hourly Full Disk images will be disseminated by WEFAX. In addition to image data, meteorological observations data and numerical weather predictions (Grid Point Value) will be disseminated by LRIT.

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| Attachment 1  |                         |                         |    |               |      |    |  |
|---|-------------------------|-------------------------|----|---------------|------|----|--|
| Time <u>00</u><br>(UTC) I                                       | 10                      | 20                      | 30 | 40            | 50   | 60 |  |
| 00 Obs.<br>(06)<br>(12) <sup>MDUS</sup><br>(18) SDUS            | SD00-1                  | SD00-2                  |    | FD01-1        |      |    |  |
|   | HiRID SD 00-1           | HiRID SD 00-2           |    | HiRID FD 01-1 |      |    |  |
|   | LRIT                    | WEFAX                   |    |               | LRIT |    |  |
| 01 Obs  | ND01-1                  | НК                      |    | FD02-1        |      |    |  |
| (07)<br>(12) MDUS   | HiRID ND 01-1           |                         |    | HiRID FD 02-1 |      |    |  |
| 01 Obs.<br>(07)<br>(13) MDUS<br>(19) SDUS                       | LRIT                    | WEFAX                   |    |               | LRIT |    |  |
| _   |                         |                         | _  |               | Г    |    |  |
| 02 Obs.<br>(08)<br>(14) MDUS<br>(20) SDUS                       | ND02-1                  |                         |    |               |      |    |  |
| $(14)^{MDUS}$   | HiRID ND 02-1           |                         |    | HiRID FD 03-1 |      |    |  |
| (20) sdus   | LRIT WEI                | FAX                     |    | LRIT          |      |    |  |
| 03 Obs  | ND03-1                  |                         |    | FD04-1        |      |    |  |
| 03 Obs.<br>(09)<br>(15) <sup>MDUS</sup><br>(21) <sub>SDUS</sub> | HiRID ND 03-1           |                         | -  | HiRID FD 04-1 |      |    |  |
|   | LRIT                    | WEFAX                   |    |               | LRIT |    |  |
|   |                         |                         | _  |               |      |    |  |
| $\begin{array}{c} 04 \\ (10) \end{array}$ Obs.                  | ND04-1                  |                         |    | FD05-1        |      |    |  |
| (10)<br>(16) <sup>MDUS</sup><br>(22) <sub>SDUS</sub>            | HiRID ND 04-1           |                         | _  | HiRID FD 05-1 |      |    |  |
|   | LRIT WEI                | FAX                     |    | LRIT          |      |    |  |
| 05  |                         | NDOT 9                  |    |               |      | ]  |  |
| 05 Obs.<br>(11)<br>(17) <sup>MDUS</sup><br>(23) SDUS            | ND05-1<br>HiRID ND 05-1 | ND05-2<br>HiRID ND 05-2 |    | FD06-1        |      |    |  |
|   |                         | -                       |    | HiRID FD 06-1 |      |    |  |
|   | LRIT WEF                | AA                      |    | LRIT          |      |    |  |

MTSAT-1R Observation and Dissemination Schedule for 2003-2004 (Draft)

Legend:

Full Disk ΈD

Northern half Disk Southern half Disk ND

SD

### Remark:

Observation schedule will be modified to adjust new imager of MTSAT-1R.

## Attachment-2

| Time<br>(UTC) 00   00 Obs.   (06) HRIT<br>(12) MDUS   (18) SDUS | 10<br>SD00-1<br>HiRID SD 00-1 | 20<br>SD00-2<br>HRIT<br>SD 00-1 HiRID SD 00-2 | 30<br>HRIT<br>SD 00-2<br>LRIT | 40 50<br>FD01-1<br>HiRID FD 01-1 | 60             |
|---|-------------------------------|---|-------------------------------|----------------------------------|----------------|
| 01 Obs.<br>(07)<br>(13) MDUS HRIT<br>(19) SDUS                  | ND01-1<br>HiRID ND 01-1       | HK<br>HRIT<br>ND 01-1                         | LRIT                          | FD02-1<br>HiRID FD 02-1          | HRIT<br>FD02-1 |
| 02 Obs.<br>(08)<br>(14) MDUS HRIT<br>(20) SDUS                  | ND02-1<br>HiRID ND 02-1       | HRIT<br>ND 02-1                               | LRIT                          | FD03-1<br>HiRID FD 03-1          | HRIT<br>FD03-1 |
| 03 Obs.<br>(09)<br>(15) MDUS HRIT<br>(21) SDUS                  | ND03-1<br>HiRID ND 03-1       | HRIT<br>ND 03-1                               | LRIT                          | FD04-1<br>HiRID FD 04-1          | HRIT<br>FD04-1 |
| 04 Obs.<br>(10)<br>(16) MDUS HRIT<br>(16) SDUS                  | ND04-1<br>HiRID ND 04-1       | HRIT<br>ND 04-1                               | LRIT                          | FD05-1<br>HiRID FD 05-1          | HRIT<br>FD05-1 |
| 05 Obs.<br>(11)<br>(17) MDUS HRIT<br>(23) SDUS                  | ND05-1<br>HiRID ND 05-1       | ND05-2<br>HRIT<br>ND 05-1 HiRID ND 05-2       | HRIT<br>ND 05-2<br>LRIT       | FD06-1<br>HiRID FD 06-1          | HRIT<br>FD06-1 |

# MTSAT-1R Observation and Dissemination Schedule for 2005-2007 (Draft)

Legend: FD

- ND

Full Disk Northern half Disk Southern half Disk SD

### Remark:

Observation schedule will be modified to adjust new imager of MTSAT-1R.