

# Himawari Monthly Operations Report

## May 2018

### 1. Special operation events

There was no special operation of Himawari-8 during May 2018.

### 2. Earth observation

#### 2.1 Full disk observation

The regular schedules of full disk observation are 142 times in a day. The following tables show the results of full disk observation and a summary of canceled full disk observation during May 2018.

Results of Himawari-8 full disk observation

|                  | Full disk observation | Remarks |
|------------------|-----------------------|---------|
| Scheduled        | 4394                  |         |
| Performed        | 4394                  |         |
| Performance in % | 100.00                |         |

Summary of canceled Himawari-8 full disk observation

| Date  | Full disk observation | Reasons |
|-------|-----------------------|---------|
| 1 May | None                  |         |

## 2.2 Japan area observation

The regular schedules of Japan area observation are 576 times in a day. The following tables show the results of Japan area observation and a summary of canceled Japan area observation during May 2018.

Results of Himawari-8 Japan area observation

|                  | Japan area observation | Remarks |
|------------------|------------------------|---------|
| Scheduled        | 17856                  |         |
| Performed        | 17856                  |         |
| Performance in % | 100.00                 |         |

Summary of canceled Himawari-8 Japan area observation

| Date  | Japan area observation | Reasons |
|-------|------------------------|---------|
| 1 May | None                   |         |

## 2.3 Target area observation

The regular schedules of Target area observation are 576 times in a day. The area is flexibly selected to enable prompt reaction to meteorological conditions.

The regular schedules of Target area observation are 576 times in a day. The following tables show the results of target area observation and a summary of canceled target area observation during May 2018.

Results of Himawari-8 Target area observation

|                  | Target area observation | Remarks |
|------------------|-------------------------|---------|
| Scheduled        | 17856                   |         |
| Performed        | 17856                   |         |
| Performance in % | 100.00                  |         |

Summary of canceled Himawari-8 Target area observation

| Date  | Target area observation | Reasons |
|-------|-------------------------|---------|
| 1 May | None                    |         |

### 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 Himawari-8 area of responsibility.

Reception and dissemination of IDCP messages

| IDCP channels | Numbers of IDCPs <sup>a)</sup> | Received messages | Error messages <sup>b)</sup> | Messages disseminated to the GTS |
|---------------|--------------------------------|-------------------|------------------------------|----------------------------------|
| I12           | 3                              | 0                 | 0                            | 0                                |
| I15           | 2                              | 0                 | 0                            | 0                                |
| I16           | 4                              | 0                 | 0                            | 0                                |
| I20           | 2                              | 0                 | 0                            | 0                                |
| I23           | 7                              | 2976              | 294                          | 2682                             |
| I24           | 6                              | 2803              | 480                          | 2323                             |
| Total         | 24                             | 0                 | 0                            | 0                                |

a) IDCP numbers are those registered in Himawari-DCS as of 1 May 2018.

b) No message, or message unsuitable for WMO codes.

#### 3.2 Interference on IDCP channels

The following table shows interference on Himawari International Data Collection System (IDCS) channels that occurred during May 2018.

Interference on Himawari IDCS Channels (May 2018)

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

Note - W: weak interference / H: harmful interference

#### 4. Satellite system status

##### 4.1 Satellite status

Himawari-8

Location: 140.7 east longitude

Operational : Observation, DCP relay

##### 4.2 Maneuver.

- 1) A north-south station-keeping maneuver of Himawari-8  
18:10 UTC on 7 May 2018.
- 4) An east-west station-keeping maneuver of Himawari-8  
19:10 UTC on 10 May 2018.
- 5) An east-west station-keeping maneuver of Himawari-8  
07:10 UTC on 11 May 2018.
- 6) A north-south station-keeping maneuver of Himawari-8  
16:30 UTC on 21 May 2018.
- 7) An east-west station-keeping maneuver of Himawari-8  
04:30 UTC on 24 May 2018.
- 5) An east-west station-keeping maneuver of Himawari-8  
16:30 UTC on 24 May 2018.

##### 4.3 Calibration of the visible channel

- 1) 20:40 UTC on 7 May 2018.
- 2) 20:40 UTC on 22 May 2018