

# Himawari Monthly Operations Report

## January 2025

### 1. Special operation events

There was no special operation of Himawari-9 during January 2025.

### 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 January 2025.

Results of Himawari-9 full disk observation

|                  | Full disk observation | Remarks |
|------------------|-----------------------|---------|
| Scheduled        | 4392                  |         |
| Performed        | 4384                  |         |
| Performance in % | 99.82                 |         |

Summary of canceled Himawari-9 full disk observation

| Date                                                | Full disk observation | Reasons                                                                                   |
|-----------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------|
| 2025-1-21 16:30 UTC<br>(P099) - 17:40 UTC<br>(P106) | cancelled             | Observation of Himawari No. 9 is cancelled due to an extension of the maintenance period. |

## 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 January 2025.

Results of Himawari-9 Japan area observation

|                  | Japan area observation | Remarks |
|------------------|------------------------|---------|
| Scheduled        | 17856                  |         |
| Performed        | 17824                  |         |
| Performance in % | 99.82                  |         |

Summary of canceled Himawari-9 Japan area observation

| Date                                                | Japan area observation | Reasons                                                                                   |
|-----------------------------------------------------|------------------------|-------------------------------------------------------------------------------------------|
| 2025-1-21 16:30 UTC<br>(P099) - 17:40 UTC<br>(P106) | cancelled              | Observation of Himawari No. 9 is cancelled due to an extension of the maintenance period. |

## 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 January 2025.

Results of Himawari-9 Target area observation

|                  | Target area observation | Remarks |
|------------------|-------------------------|---------|
| Scheduled        | 17856                   |         |
| Performed        | 17824                   |         |
| Performance in % | 99.82                   |         |

Summary of canceled Himawari-9 Target area observation

| Date                                                | Target area observation | Reasons                                                                                   |
|-----------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------|
| 2025-1-21 16:30 UTC<br>(P099) - 17:40 UTC<br>(P106) | cancelled               | Observation of Himawari No. 9 is cancelled due to an extension of the maintenance period. |

### 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-9 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                              | 0                 | 0                            | 0                                |
| I24           | 6                              | 0                 | 0                            | 0                                |
| Total         | 24                             | 0                 | 0                            | 0                                |

a) IDCP numbers are those registered in Himawari-DCS as of 1 January 2025.

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 January 2025.

Interference on Himawari IDCS Channels (January 2025)

| Channel      | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 |
|--------------|----|----|----|----|----|----|----|----|----|----|----|
| Interference |    |    | w  |    |    |    | w  |    |    |    |    |
| 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 |    |    |    |    |    |    |    |    |    |    |    |

Note - W: weak interference / H: harmful interference

#### 4. Satellite system status

##### 4.1 Satellite status

Himawari-9

Location: 140.7 east longitude

Operational : Observation, DCP relay

##### 4.2 Maneuver.

- 1) An east-west station-keeping maneuver of Himawari-9  
21:00 UTC on 2 January 2025.
- 2) An east-west station-keeping maneuver of Himawari-9  
09:00 UTC on 3 January 2025.
- 3) A north-south station-keeping maneuver of Himawari-9  
01:10 UTC on 1 January 2025.
- 4) An east-west station-keeping maneuver of Himawari-9  
19:30 UTC on 16 January 2025.
- 5) An east-west station-keeping maneuver of Himawari-9  
07:30 UTC on 17 January 2025.
- 6) A north-south station-keeping maneuver of Himawari-9  
00:10 UTC on 27 January 2025.
- 7) An east-west station-keeping maneuver of Himawari-9  
19:10 UTC on 30 January 2025.
- 8) An east-west station-keeping maneuver of Himawari-9  
07:10 UTC on 31 January 2025.

##### 4.3 Calibration of the visible channel

- 1) 20:40 UTC on 7 January 2025.
- 2) 21:00 UTC on 22 January 2025.