

Himawari Monthly Operations Report

May 2025

1. Special operation events

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

Results of Himawari-9 full disk observation

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

Summary of canceled Himawari-9 full disk observation

| Date | Full disk observation | Reasons |
|------|-----------------------|---------|
| | 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 2025.

Results of Himawari-9 Japan area observation

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

Summary of canceled Himawari-9 Japan area observation

| Date | Japan area observation | Reasons |
|------|------------------------|---------|
| | 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 2025.

Results of Himawari-9 Target area observation

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

Summary of canceled Himawari-9 Target area observation

| Date | Target area observation | Reasons |
|------|-------------------------|---------|
| | 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-9 area of responsibility.

Reception and dissemination of IDCP messages

| IDCP channels | Numbers of IDCPs ^{a)} | Received messages | Error messages ^{b)} | 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 May 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 May 2025.

Interference on Himawari IDCS Channels (May 2025)

| 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 | | | | | | | | | W | | |
| 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) A north-south station-keeping maneuver of Himawari-9
17:40 UTC on 5 May 2025.
- 2) An east-west station-keeping maneuver of Himawari-9
19:30 UTC on 8 May 2025.
- 3) An east-west station-keeping maneuver of Himawari-9
07:30 UTC on 9 May 2025.
- 4) A north-south station-keeping maneuver of Himawari-9
16:40 UTC on 19 May 2025.
- 5) An east-west station-keeping maneuver of Himawari-9
10:00 UTC on 22 May 2025.
- 3) An east-west station-keeping maneuver of Himawari-9
22:00 UTC on 22 May 2025.

4.3 Calibration of the visible channel

- 1) 20:40 UTC on 7 May 2025.
- 2) 20:40 UTC on 22 May 2025.