

# Himawari Monthly Operations Report

## October 2023

### 1. Special operation events

There was no special operation of Himawari-9 during October 2023.

### 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 October 2023.

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 October 2023.

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 October 2023.

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 <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	2541	175	2366
Total	24	2541	175	2366

a) IDCP numbers are those registered in Himawari-DCS as of 1 October 2023.

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 October 2023.

Interference on Himawari IDCS Channels (October 2023)

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											W

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  
07:40 UTC on 9 October 2023.
- 2) An east-west station-keeping maneuver of Himawari-9  
13:00 UTC on 12 October 2023.
- 3) An east-west station-keeping maneuver of Himawari-9  
01:00 UTC on 13 October 2023.
- 4) An east-west station-keeping maneuver of Himawari-9  
02:40 UTC on 17 October 2023.
- 5) An east-west station-keeping maneuver of Himawari-9  
14:40 UTC on 19 October 2023.
- 6) A north-south station-keeping maneuver of Himawari-9  
07:00 UTC on 23 October 2023.
- 7) An east-west station-keeping maneuver of Himawari-9  
22:30 UTC on 26 October 2023.
- 8) An east-west station-keeping maneuver of Himawari-9  
10:30 UTC on 27 October 2023.

##### 4.3 Calibration of the visible channel

- 1) 20:30 UTC on 7 October 2023.
- 2) 20:30 UTC on 22 October 2023