

# Himawari Monthly Operations Report

## February 2016

### 1. Special operation events

#### 1.1 Maintenance of Himawari-8 system

Mechanical calibration of AHI's scanner components was carried out at 15 February 2016.

#### 1.2 Equinox operation

AHI's automatic sun avoidance function is resulting in images with some data missing in midnight during February 2016.

### 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 February 2016.

Results of Himawari-8 full disk observation

	Full disk observation	Remarks
Scheduled	4095	
Performed	4095	
Performance in %	100.00	

Summary of canceled Himawari-8 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 February 2016.

Results of Himawari-8 Japan area observation

	Japan area observation	Remarks
Scheduled	16648	
Performed	16648	
Performance in %	100.00	

Summary of canceled Himawari-8 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 February 2016.

Results of Himawari-8 Target area observation

	Target area observation	Remarks
Scheduled	16648	
Performed	16648	
Performance in %	100.00	

Summary of canceled Himawari-8 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-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
Total	11	0	0	0

a) IDCP numbers are those registered in Himawari-DCS as of 1 February 2016.

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 February 2016.

Interference on Himawari IDCS Channels (February 2016)

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	H		H	W	W					W	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-8

Location: 140.7 east longitude

Operational : Observation, DCP relay

##### 4.2 Maneuver

- 1) A north-south station-keeping maneuver of Himawari-8m  
00:40 UTC on 1 February 2016.
- 2) An east-west station-keeping maneuver of Himawari-8  
12:40 UTC on 4 February 2016.
- 3) An east-west station-keeping maneuver of Himawari-8  
00:40 UTC on 5 February 2016.
- 4) A north-south station-keeping maneuver of Himawari-8  
00:10 UTC on 15 February 2016.
- 5) An east-west station-keeping maneuver of Himawari-8  
17:40 UTC on 18 February 2016.
- 6) An east-west station-keeping maneuver of Himawari-8  
05:40 UTC on 19 February 2016.
- 7) A north-south station-keeping maneuver of Himawari-8  
22:00 UTC on 29 February 2016.

##### 4.3 Calibration of the visible channel

- 1) 21:10 UTC on 7 February 2016.
- 2) 21:10 UTC on 22 February 2016.

##### 4.4 Orbit information

The following table shows the Two-Line Elements of Himawari-8's orbital elements.

Epoch 00:00:0.00 UTC on 9 February 2016							
1	40267U	14060A	16040.00000000	.00000000	00000-0	00000-0	0 00284
2	40267	000.0165	277.3552	0001165	069.9594	291.8804	01.00273483 4935