

Himawari Monthly Operations Report

April 2017

1. Special operation events

There was no special operation of Himawari-8 during April 2017.

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 April 2017.

Results of Himawari-8 full disk observation

	Full disk observation	Remarks
Scheduled	4254	
Performed	4254	
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 April 2017.

Results of Himawari-8 Japan area observation

	Japan area observation	Remarks
Scheduled	17280	
Performed	17280	
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 April 2017.

Results of Himawari-8 Target area observation

	Target area observation	Remarks
Scheduled	17280	
Performed	17280	
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 ^{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	2880	435	2445
I24	6	1440	570	870
Total	24	0	0	0

a) IDCP numbers are those registered in Himawari-DCS as of 1 April 2017.

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 April 2017.

Interference on Himawari IDCS Channels (April 2017)

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-8

Location: 140.7 east longitude

Operational : Observation, DCP relay

4.2 Maneuver.

- 1) A north-south station-keeping maneuver of Himawari-8
19:40 UTC on 10 April 2017.
- 2) An east-west station-keeping maneuver of Himawari-8
15:00 UTC on 13 April 2017.
- 5) An east-west station-keeping maneuver of Himawari-8
03:00 UTC on 14 April 2017.
- 6) A north-south station-keeping maneuver of Himawari-8
18:40 UTC on 24 April 2017.
- 7) An east-west station-keeping maneuver of Himawari-8
22:40 UTC on 27 April 2017.
- 8) An east-west station-keeping maneuver of Himawari-8
10:40 UTC on 28 April 2017

4.3 Calibration of the visible channel

- 1) 20:40 UTC on 7 April 2017.
- 2) 20:40 UTC on 22 April 2017.

4.4 Orbit information

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

Epoch 01:00:0.00 UTC on 27 April 2017								
1	40267U	14060A	17117.04166667	.00000000	00000-0	00000-0	0	00882
2	40267	000.0084	016.5225	0001112	067.2542	287.0916	01.00267422	9360