Meteorological Satellite Center
Japan Meteorological Agency

Himawari Monthly Operations Report

February 2018

1. Special operation events

Maintenance of the Himawari-8 satellite is scheduled to take place over a two-day period from 02:30 UTC on 13 February to 07:20 UTC on 14 February 2018.
All products during this time will be created using data from the operational Himawari-9 satellite. :

Start Time : 02:30 UTC (P015) on 13 February 2018.
End Time : 07:20 UTC (P044) on 14 February 2018..

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 2018.

Results of Himawari-8 and 9 full disk observation

	Full disk observation	Remarks
Scheduled	3968	
Performed	3968	
Performance in %	100.00	

Summary of canceled Himawari-8 and 9 full disk observation

Date	Full disk observation	Reasons
1 February	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 2018.

Results of Himawari-8 and 9 Japan area observation

	Japan area observation	Remarks
Scheduled	16128	
Performed	16128	
Performance in %	100.00	

Summary of canceled Himawari-8 Japan area observation

Date	Japan area observation	Reasons
1 February	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 2018.

Results of Himawari-8 and 9 Target area observation

	Target area observation	Remarks
Scheduled	16128	
Performed	16128	
Performance in %	100.00	

Summary of canceled Himawari-8 Target area observation

Date	Target area observation	Reasons
1 February	1	Ground system anomaly

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	2688	339	2349
I24	6	2689	438	2251
Total	24	0	0	0

a) IDCP numbers are those registered in Himawari-DCS as of 1 February 2018.
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 2018.

Interference on Himawari IDCS Channels (February 2018)

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											
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) An east-west station-keeping maneuver of Himawari-8
   21:00 UTC on 1 February 2018.
2) An east-west station-keeping maneuver of Himawari-8
   09:00 UTC on 2 February 2018.
3) A north-south station-keeping maneuver of Himawari-8
   23:40 UTC on 12 February 2018.
4) An east-west station-keeping maneuver of Himawari-8
   23:00 UTC on 15 February 2018.
5) An east-west station-keeping maneuver of Himawari-8
   11:00 UTC on 16 February 2018.
6) A north-south station-keeping maneuver of Himawari-8
   22:40 UTC on 26 February 2018.

4.3 Calibration of the visible channel

1) 21:00 UTC on 7 February 2018.
2) 21:00 UTC on 13 February 2018
3) 21:00 UTC on 22 February 2018.

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 22 February 2018

```
1 40267U 14060A     18067.00000000   .00000000   00000-0   00000-0 0 01321
2 40267 000.0108 140.1155 0000682 256.4139 269.7536 01.00274420 12543
```