

Himawari-8/9 and MTSAT-1R/2 imagery channels and file sizes

Channels of the Advanced Himawari Imager (AHI) to be carried by Himawari-8/9

Channel	Central Wavelength [μm]	Spatial Resolution
1	0.43 – 0.48	1 km
2	0.50 – 0.52	1 km
3	0.63 – 0.66	0.5 km
4	0.85 – 0.87	1 km
5	1.60 – 1.62	2 km
6	2.25 – 2.27	2 km
7	3.74 – 3.96	2 km
8	6.06 – 6.43	2 km
9	6.89 – 7.01	2 km
10	7.26 – 7.43	2 km
11	8.44 – 8.76	2 km
12	9.54 – 9.72	2 km
13	10.3 – 10.6	2 km
14	11.1–11.3	2 km
15	12.2 – 12.5	2 km
16	13.2 – 13.4	2 km

Channels of MTSAT-1R/2

Channel	Central Wavelength [μm]	Spatial Resolution
1	0.55 – 0.90	1 km
2	3.50 – 4.00	4 km
3	6.50 – 7.00	4 km
4	10.3 – 11.3	4 km
5	11.5 – 12.5	4 km



Himawari-8/9

Estimated File Sizes

	Disk	Channels	Format	File Size	Estimated size of compressed files			Frequency	
				Mbytes	Max	Min.	Ave.	Interval (min.)	Files per day
					Mbytes	Mbytes	Mbytes		
Himawari-8/9 Compressed: 150 GB/day Uncompressed: 330 GB/day	Full-disk	1, 2	Extended HRIT file	230	130	60	90	10	144
		3		930	500	250	350		
		4		230	130	120	125		
		5-16		60	35	30	33		
MTSAT-1R/2 Compressed: 4 GB/day Uncompressed: 12 GB/day	Full-disk	1	HRIT file	230	100	35	70	60	24
		2 – 5		15	7	6	7		
	Half-disk	1	HRIT file	115	50	18	35	60*	32**
		2 – 5		8	4	3	4		

* 180 for Southern Hemisphere files

** 24 Northern Hemisphere files and 8 Southern Hemisphere files

Notes

- Information on Himawari-8/9 imagery formats will be released by summer 2013.
- For information on Himawari-8/9, see the following web page:

<http://mscweb.kishou.go.jp/himawari89/index.html>