

Introduction

to the practical training on the utilization of Himawari-8 imagery

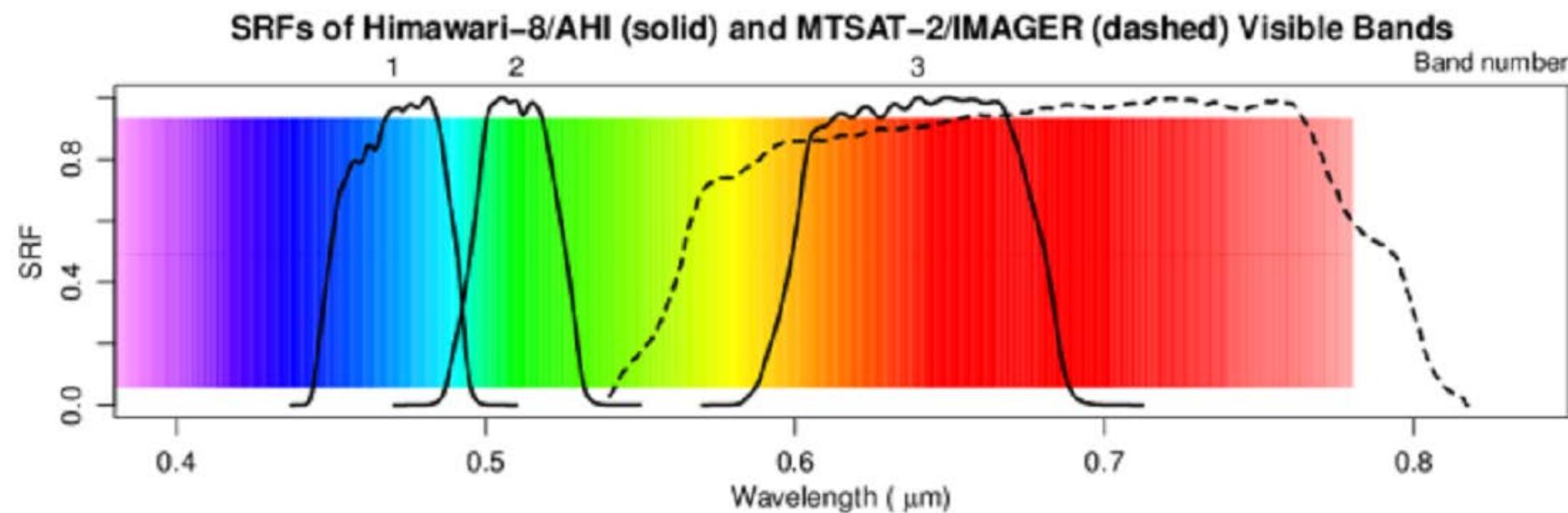
16 Bands of AHI (Advanced Himawari Imager)

MTSAT Bands	Band		Central Wavelength (μm)	Spatial Resolution at SSP (km)	Sample use
VIS	1	V1	VIS	0.47	Vegetation, Aerosol, B
	2	V2		0.51	
	3	VS		0.64	Low Level Cloud - Fog, R
	4	N1	NIR	0.86	Vegetation, Aerosol
	5	N2		1.6	
	6	N3		2.3	Cloud Phase/particle size, snow
	7	I4	SWIR	3.9	
	8	WV	Water Vapor	6.2	Cloud Particle size
	9	W2		6.9	
	10	W3		7.3	Low level cloud, Fog, Fire
	11	MI	IR window	8.6	
	12	O3	Ozone	9.6	Upper middle level water vapor
	13	IR	IR window	10.4	
	14	L2		11.2	middle level water vapor
	15	I2		12.4	
	16	CO ₂	CO ₂	13.3	middle level water vapor
					Cloud phase, SO ₂
					Ozone
					Cloud imagery, Cloud top
					Cloud imagery, SST
					Cloud imagery, SST
					Cloud top height

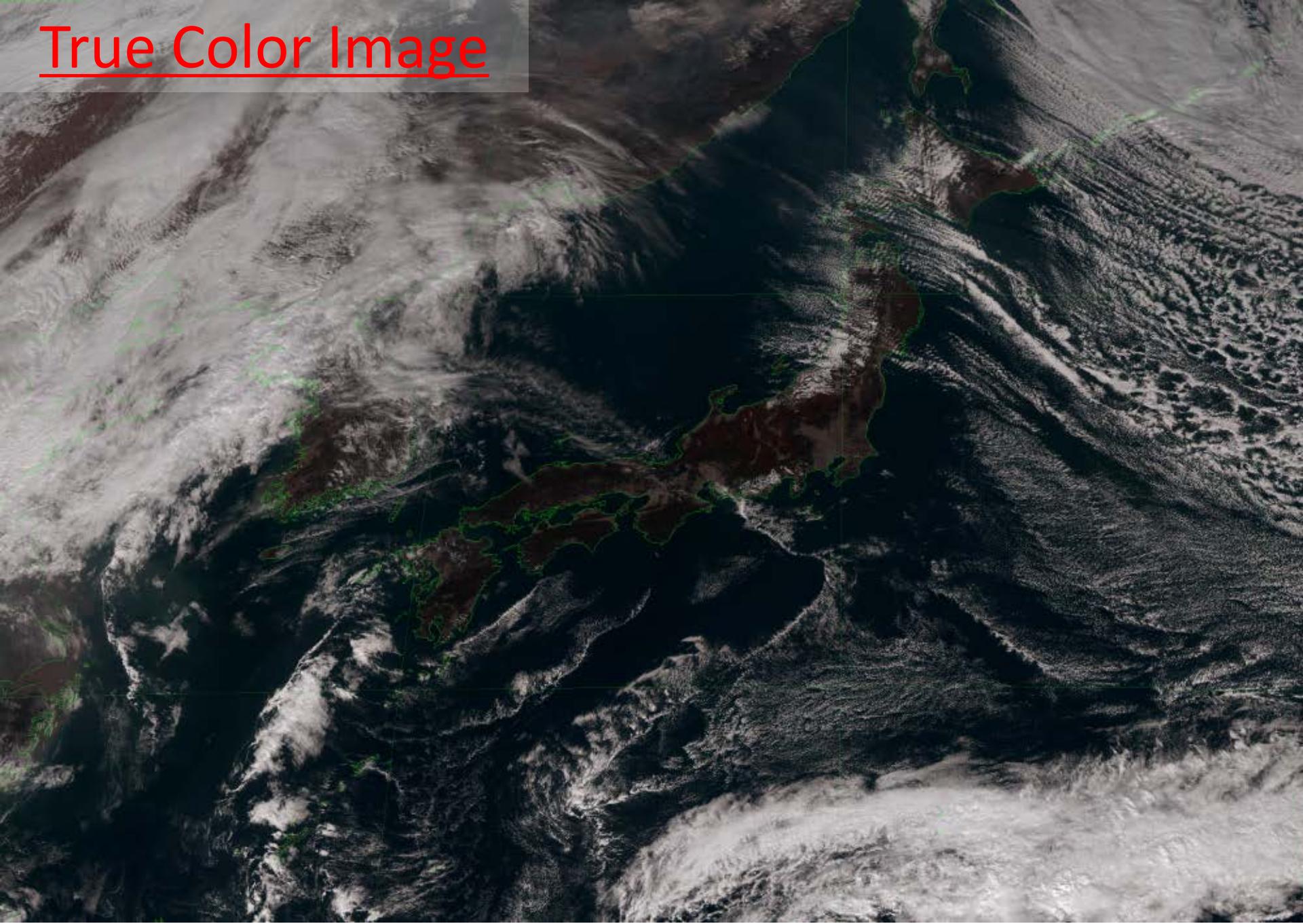
VIS Bands

Band 1	0.47micron	Blue	1	km
Band 2	0.51micron	Green	1	km
Band 3	0.64micron	Red	0.5km	

For True Color Image.

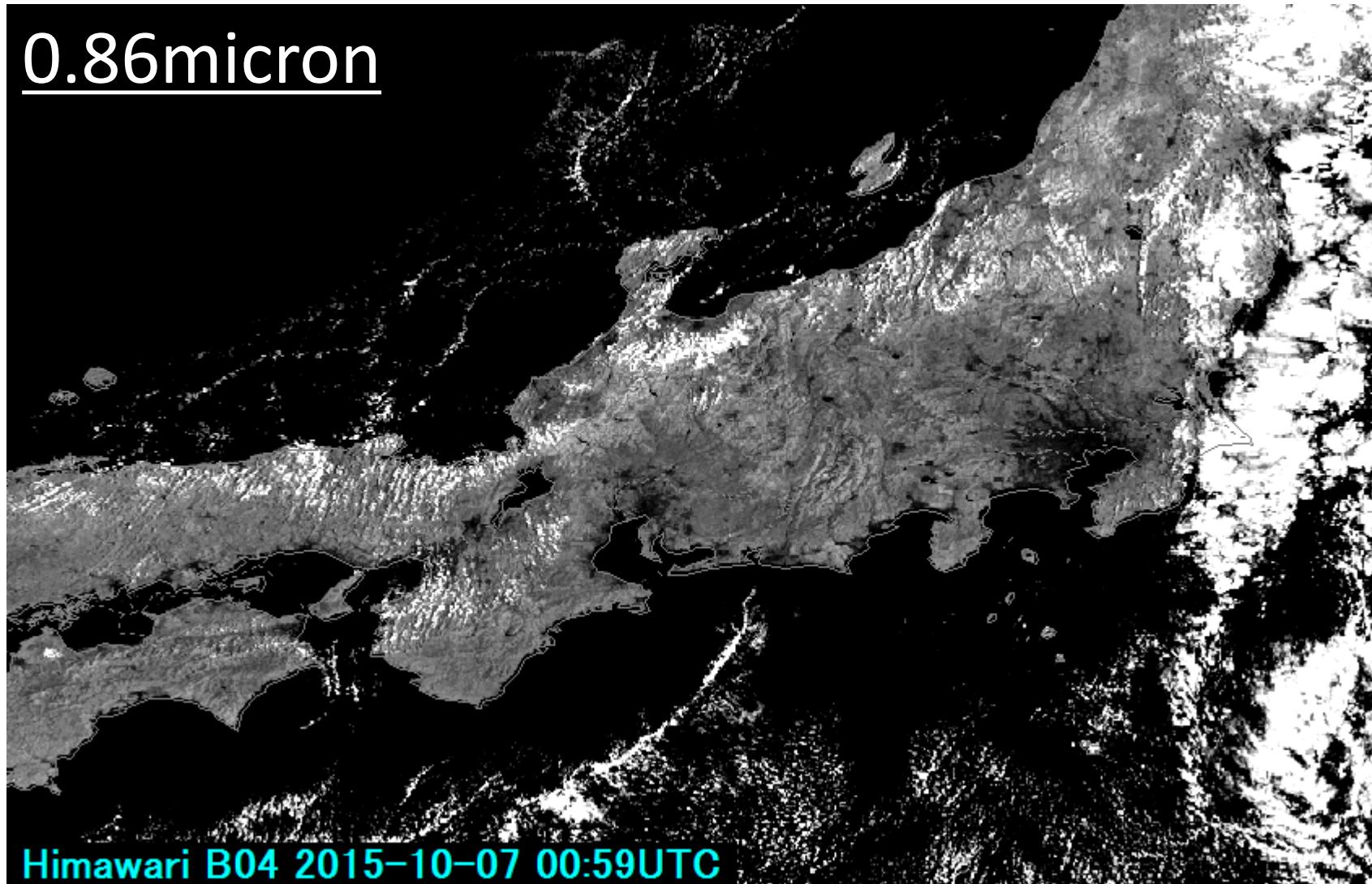


True Color Image



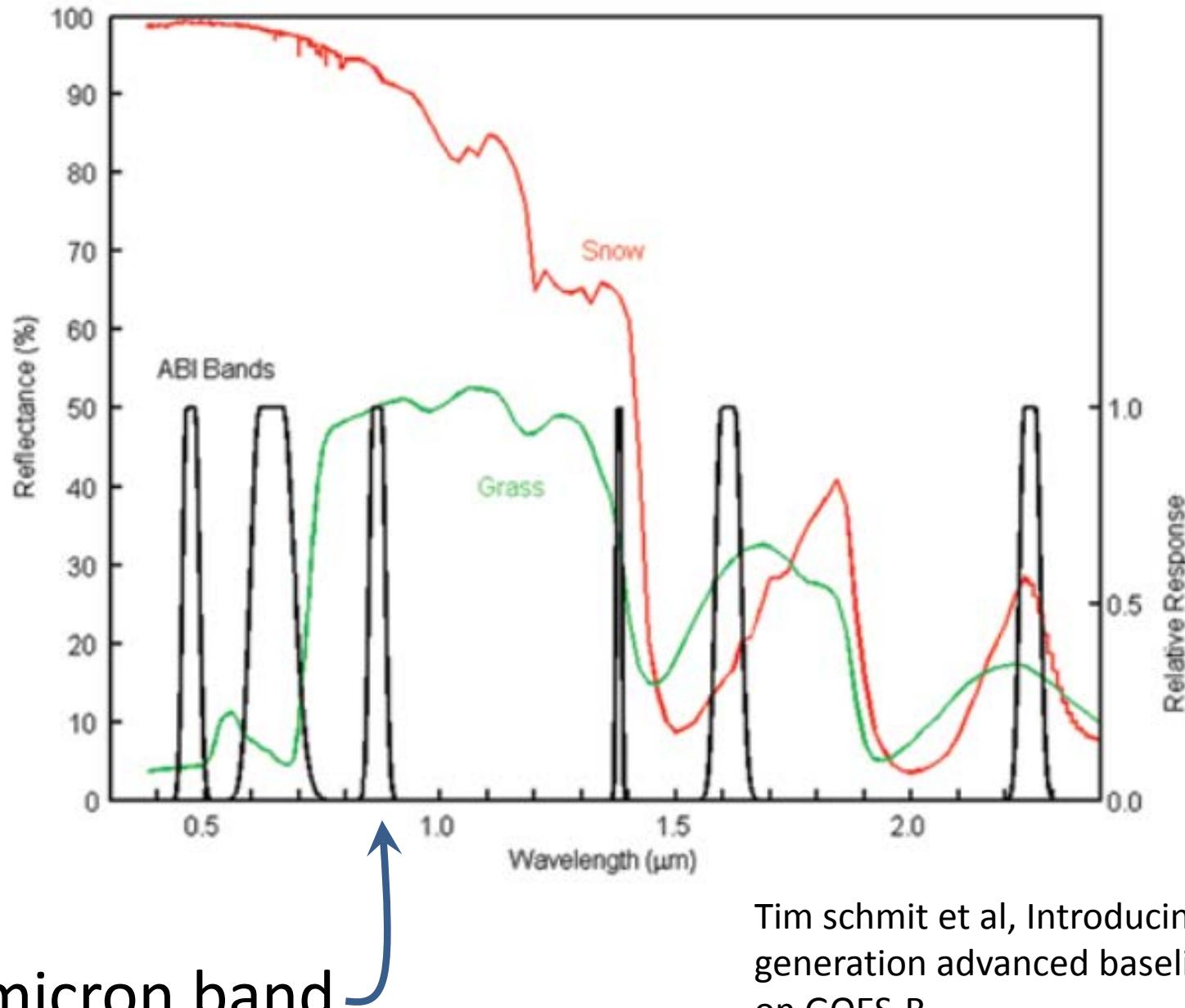
0.86micron band (B04)

0.86micron



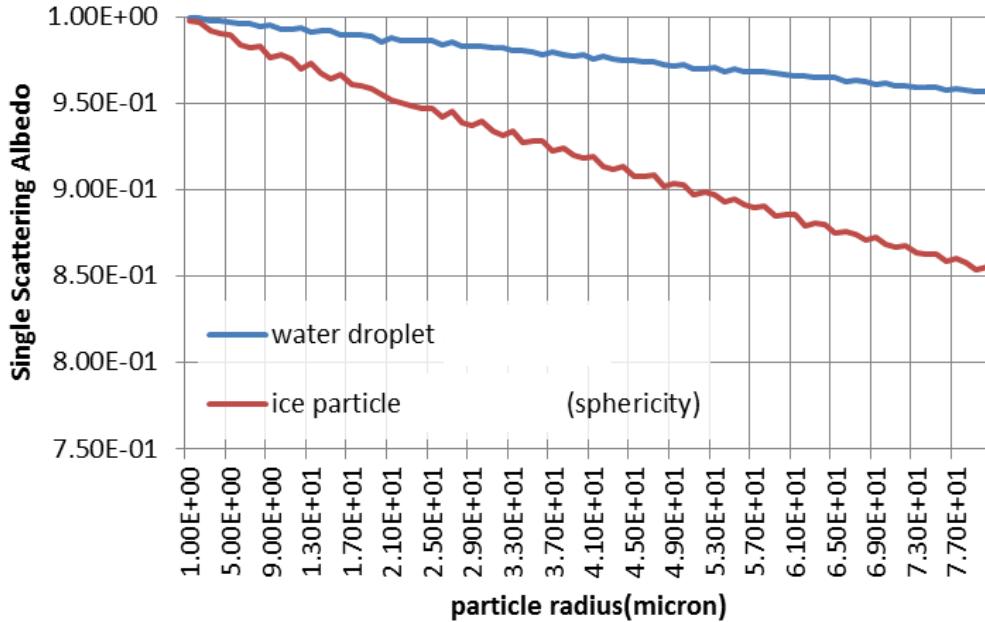
Himawari B04 2015-10-07 00:59UTC

0.86micron band (B04)

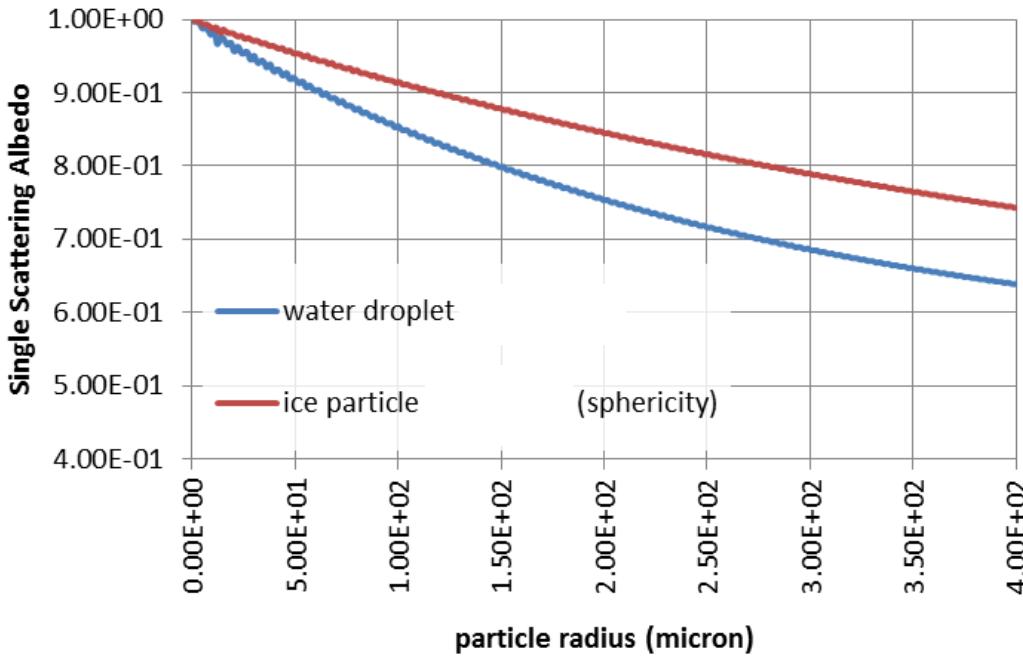


1.6micron band (B05) and 2.3micron band (B06)

1.6micron

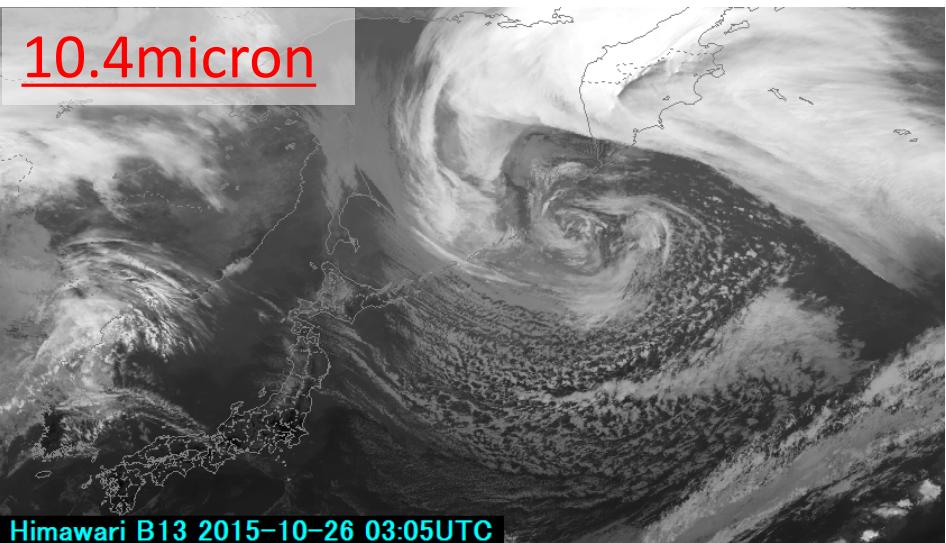


2.25micron



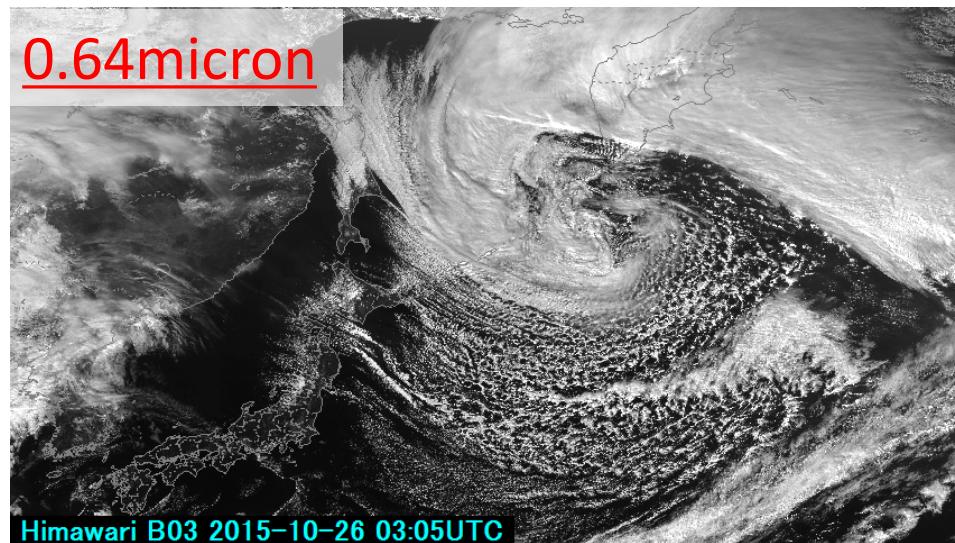
1.6micron band (B05) and 2.3micron band (B06)

10.4micron



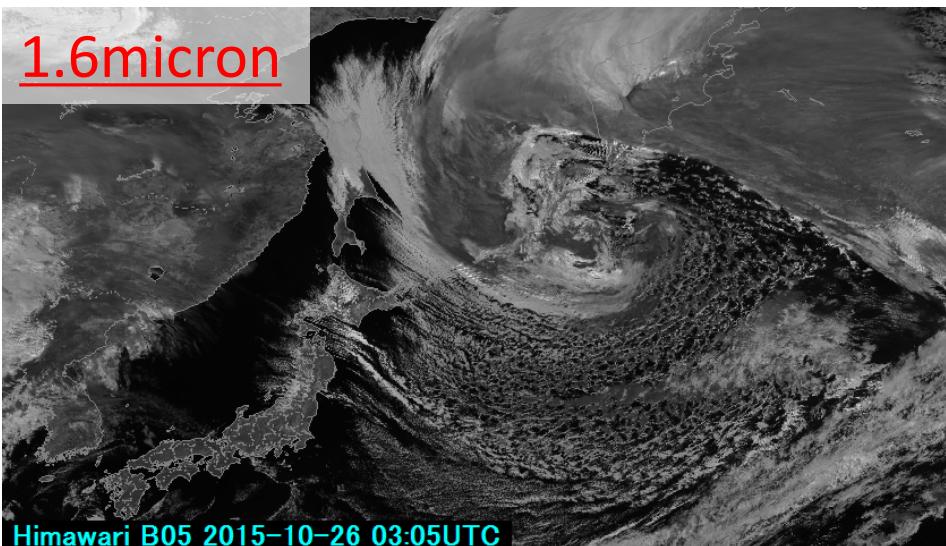
Himawari B13 2015-10-26 03:05UTC

0.64micron



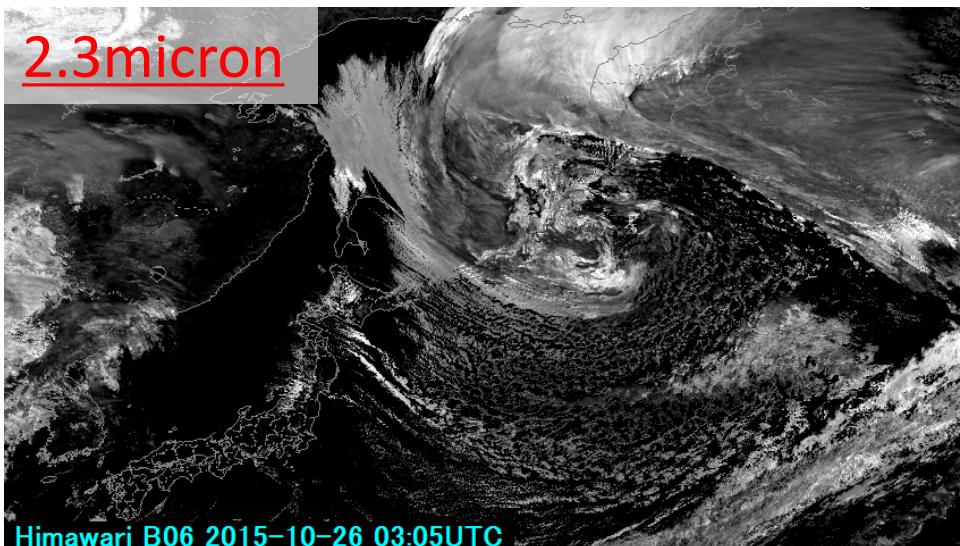
Himawari B03 2015-10-26 03:05UTC

1.6micron



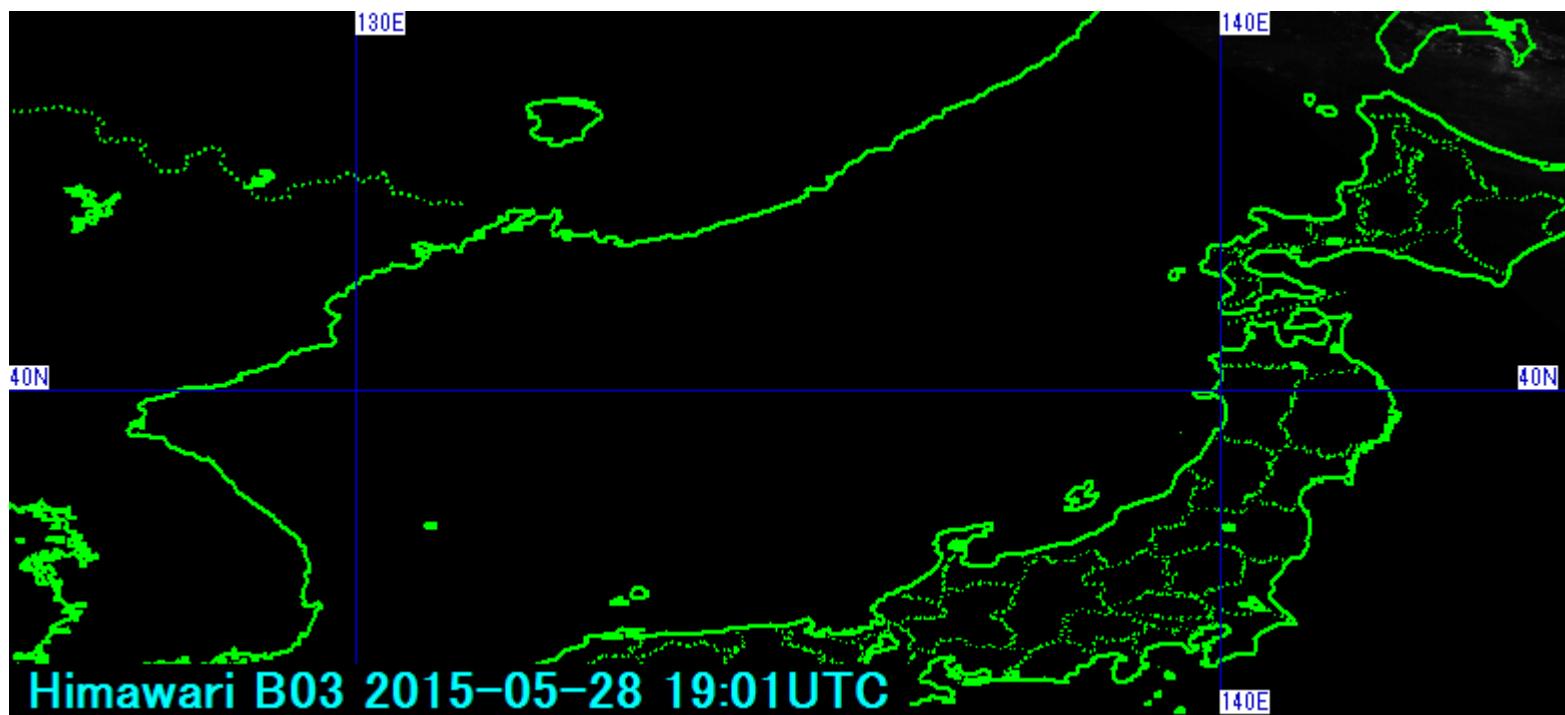
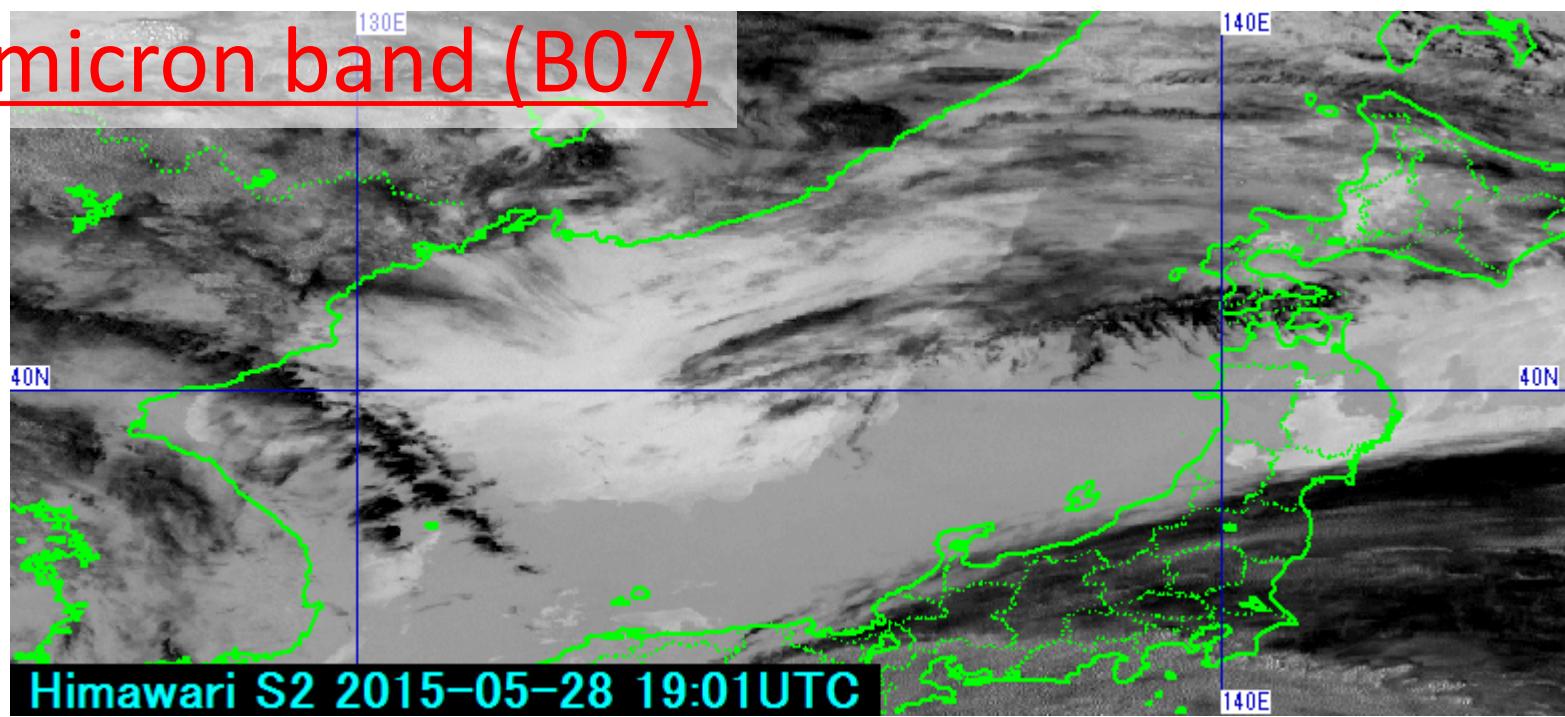
Himawari B05 2015-10-26 03:05UTC

2.3micron

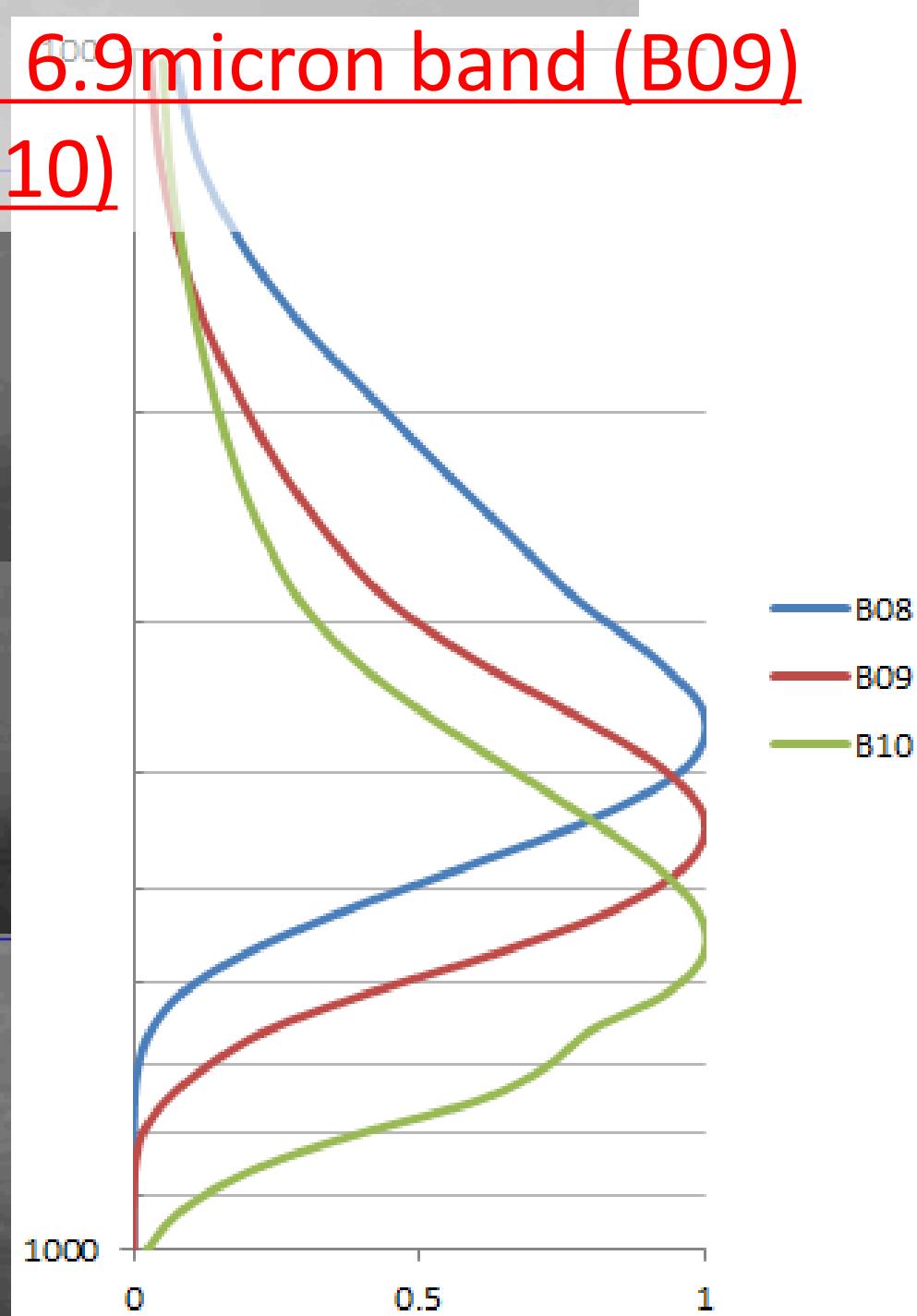
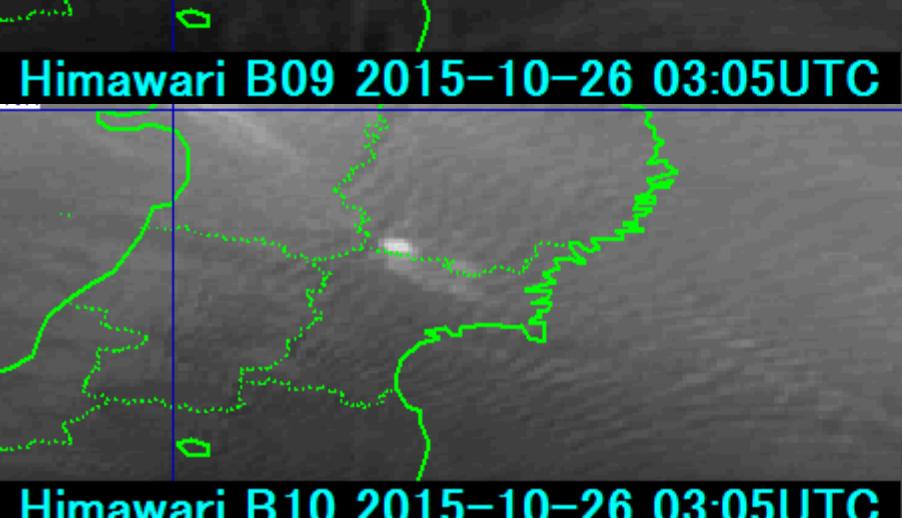
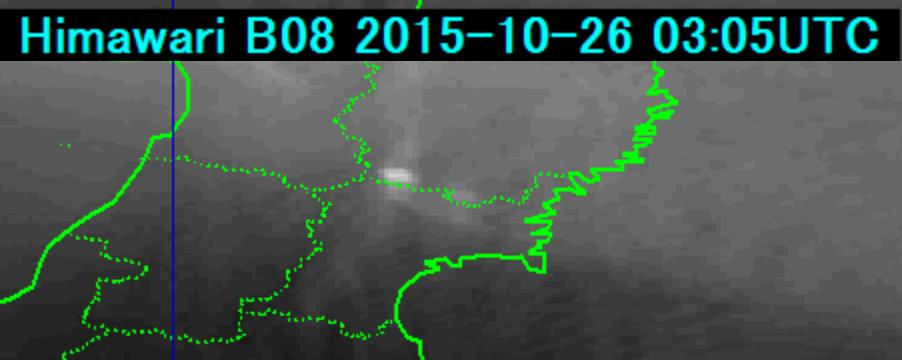
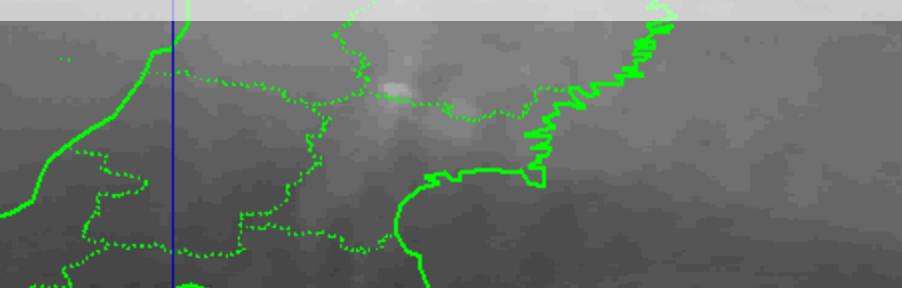


Himawari B06 2015-10-26 03:05UTC

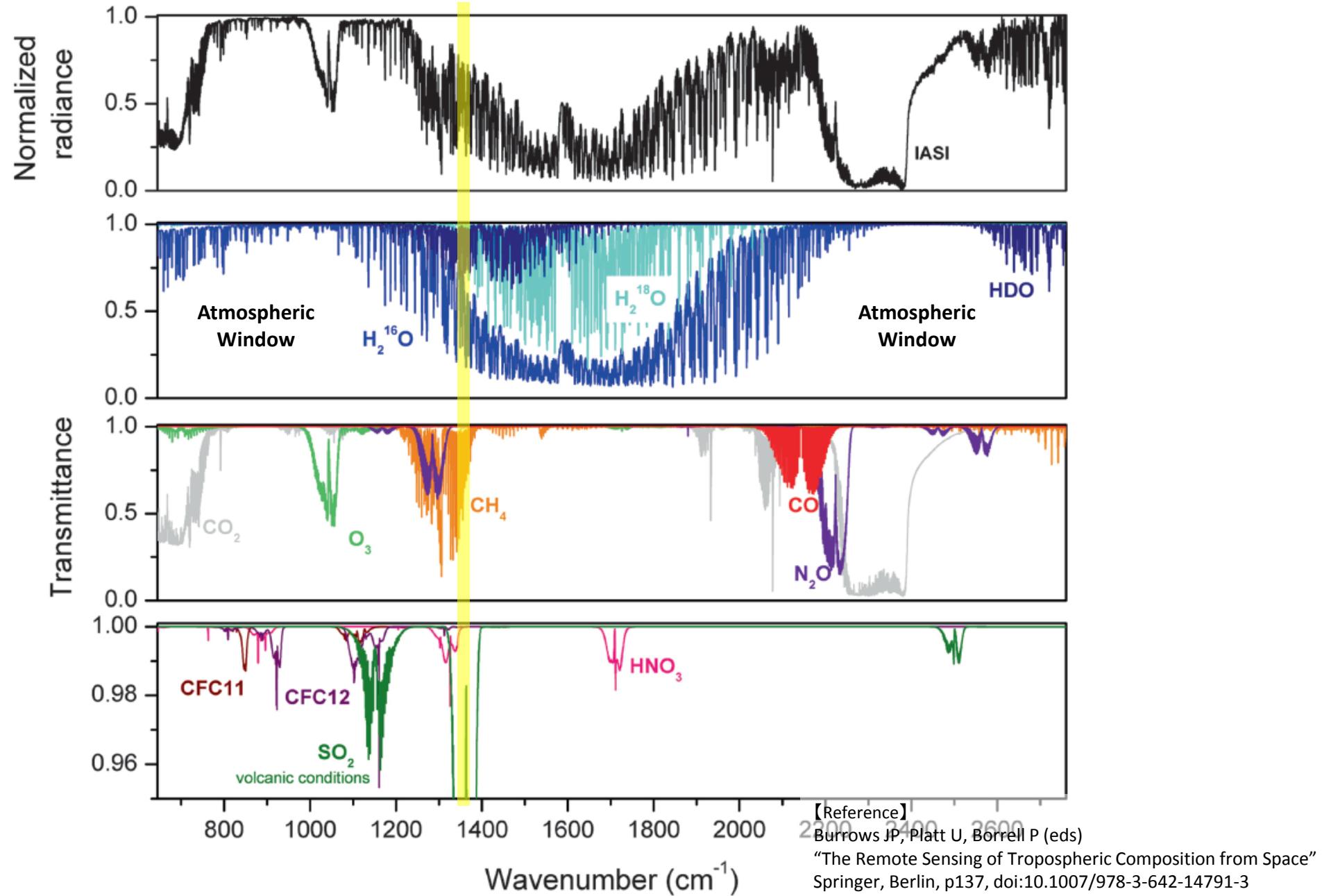
3.9micron band (B07)



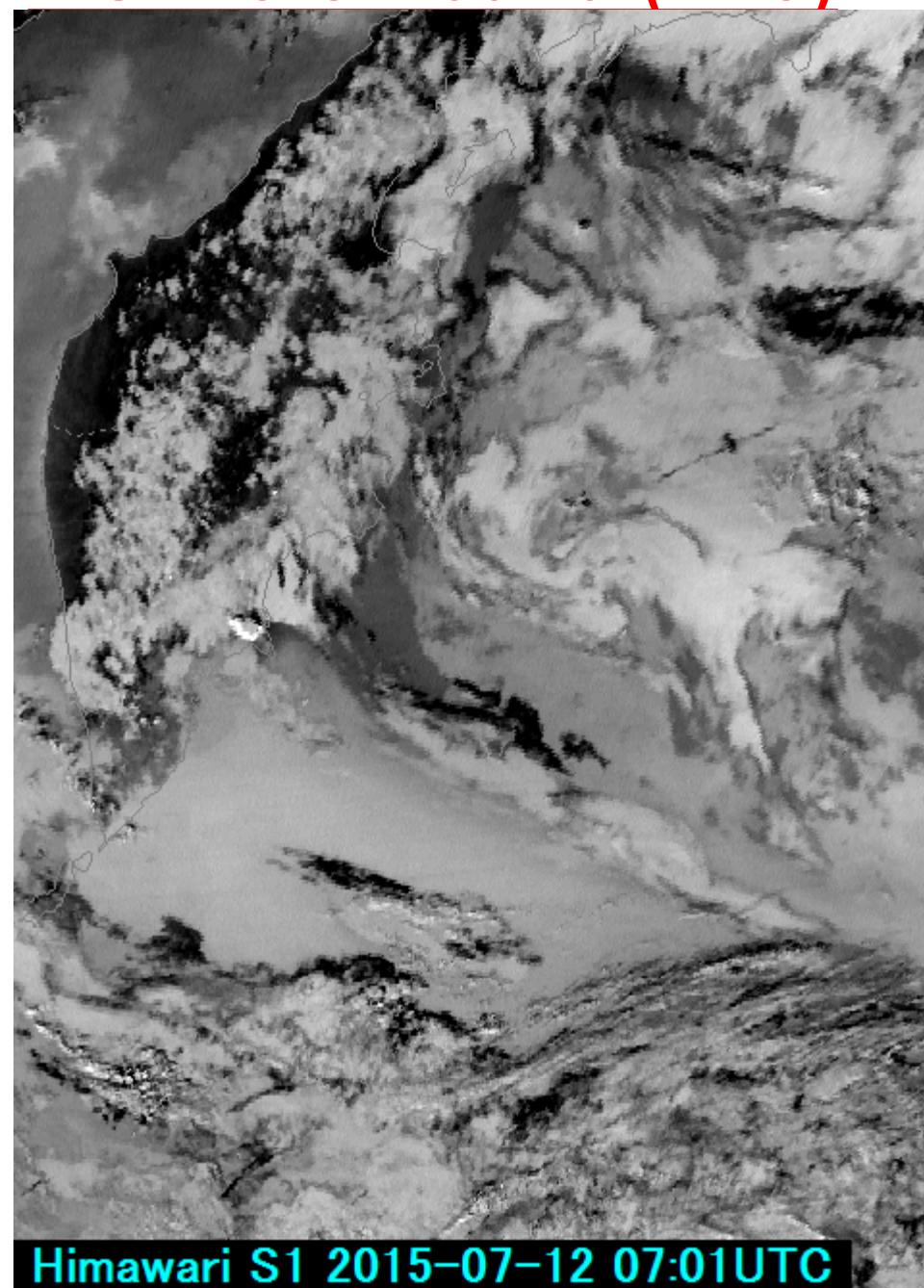
6.2micron band (B08), 6.9micron band (B09) and 7.3micron band (B10)



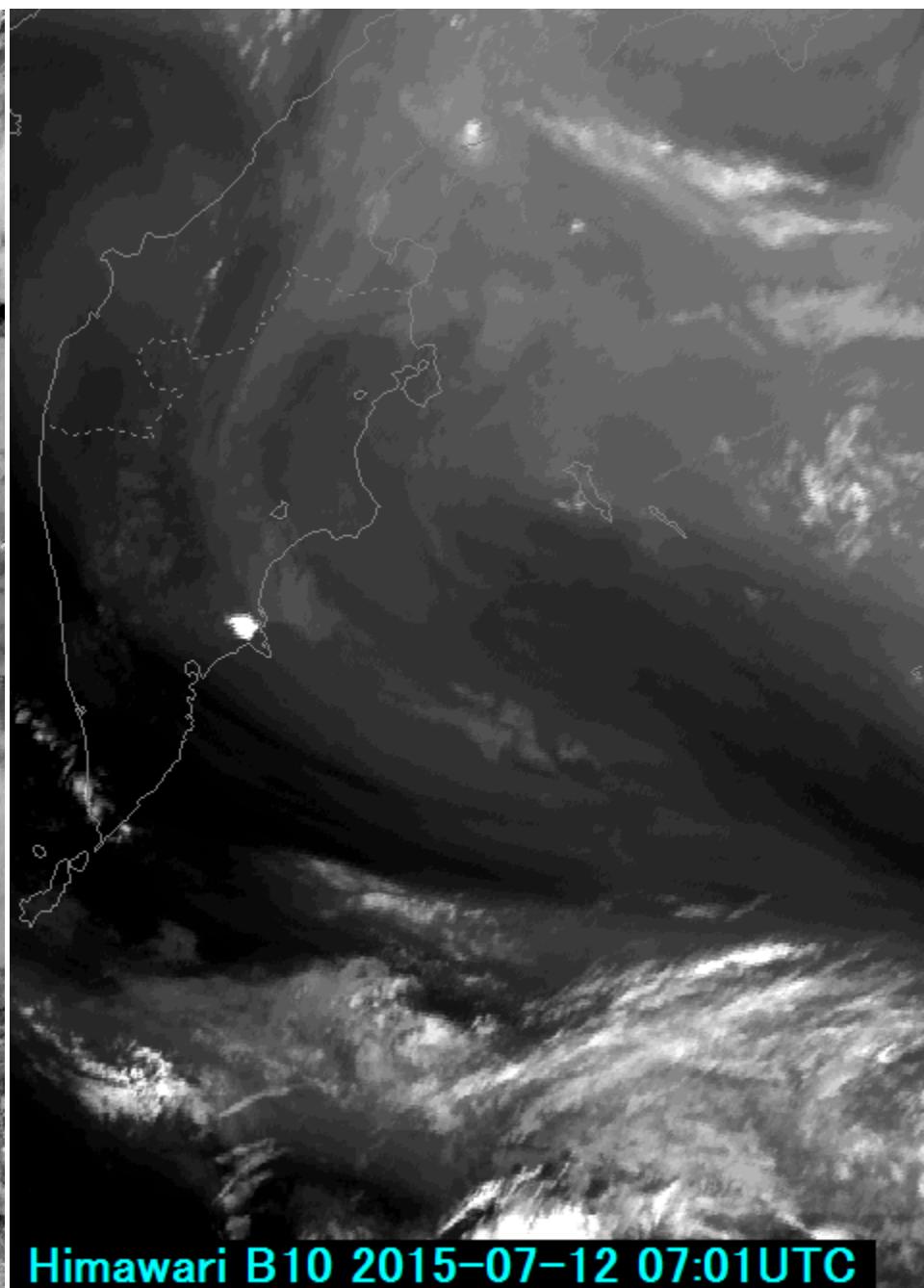
7.3micron band (B10)



7.3micron band (B10)

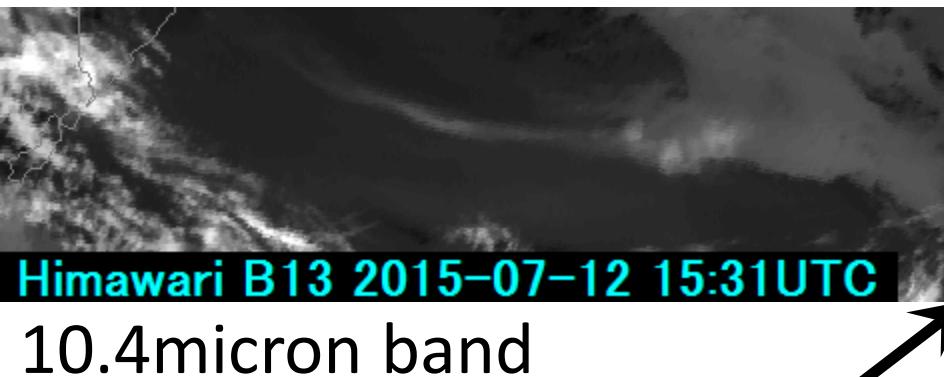


Himawari S1 2015-07-12 07:01UTC



Himawari B10 2015-07-12 07:01UTC

7.3micron band (B10)



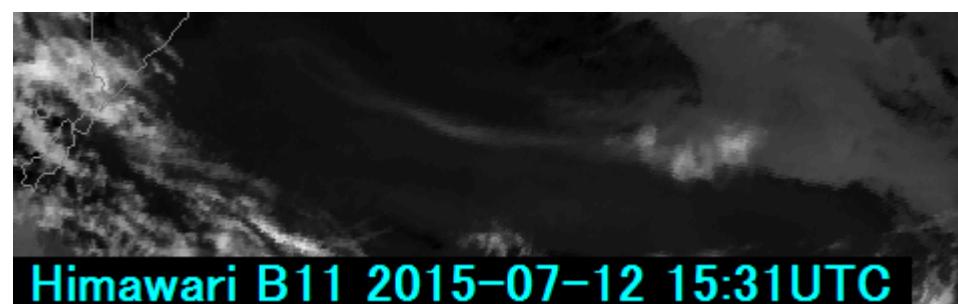
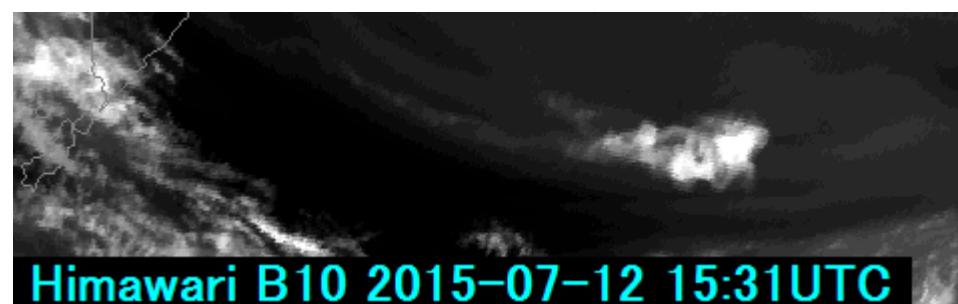
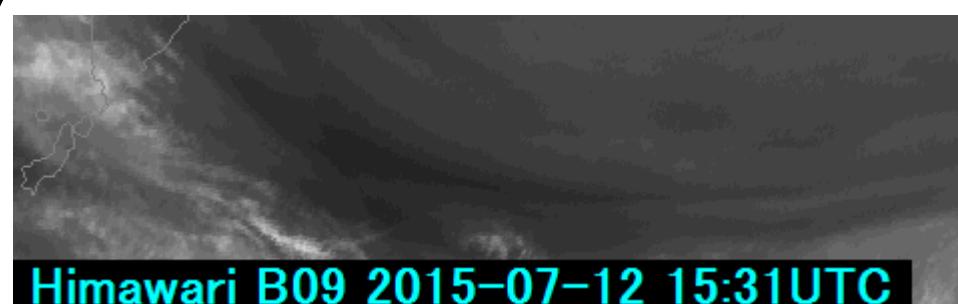
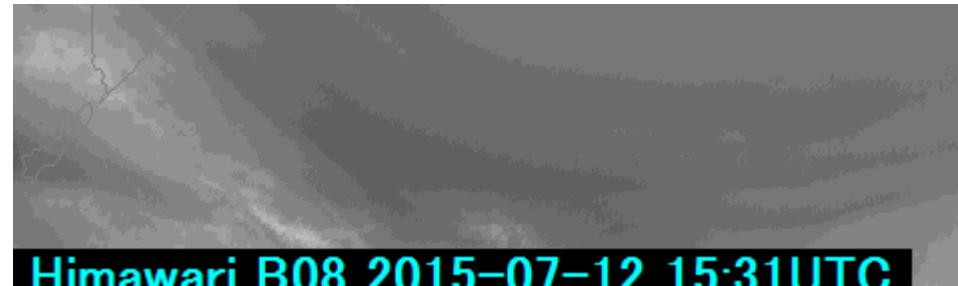
10.4micron band

6.3micron band

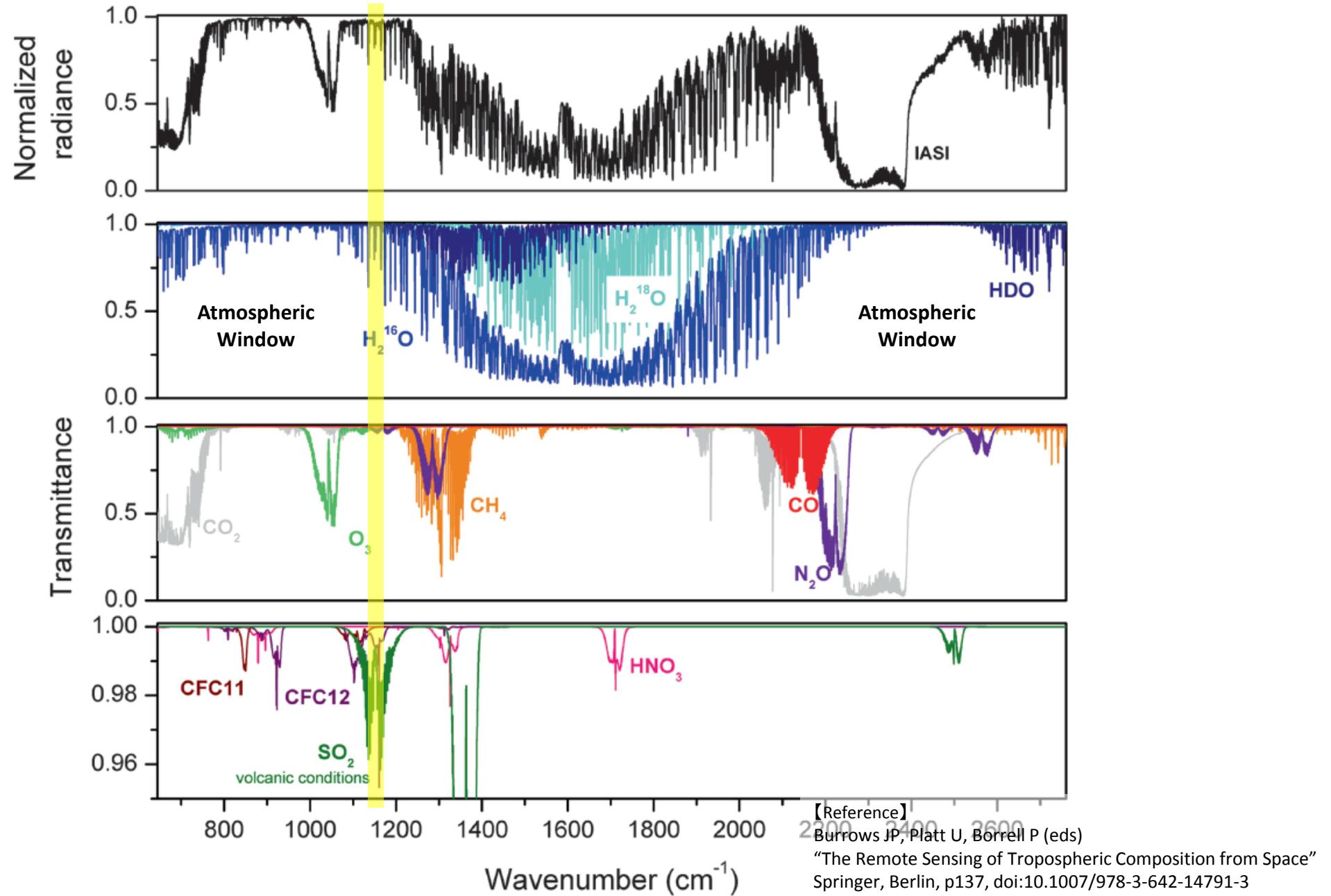
6.9micron band

7.3micron band

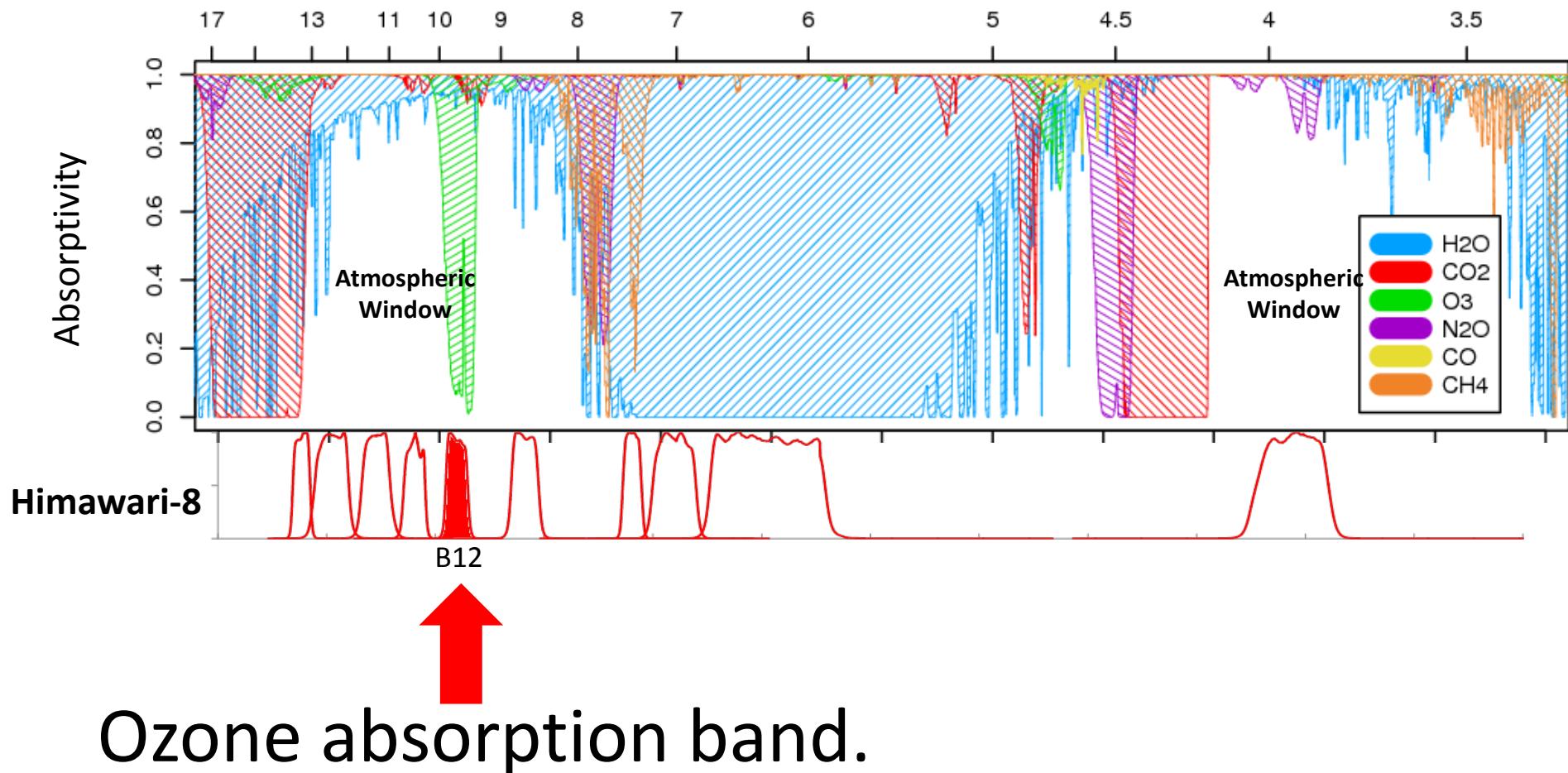
8.6micron band



8.6micron band (B11)

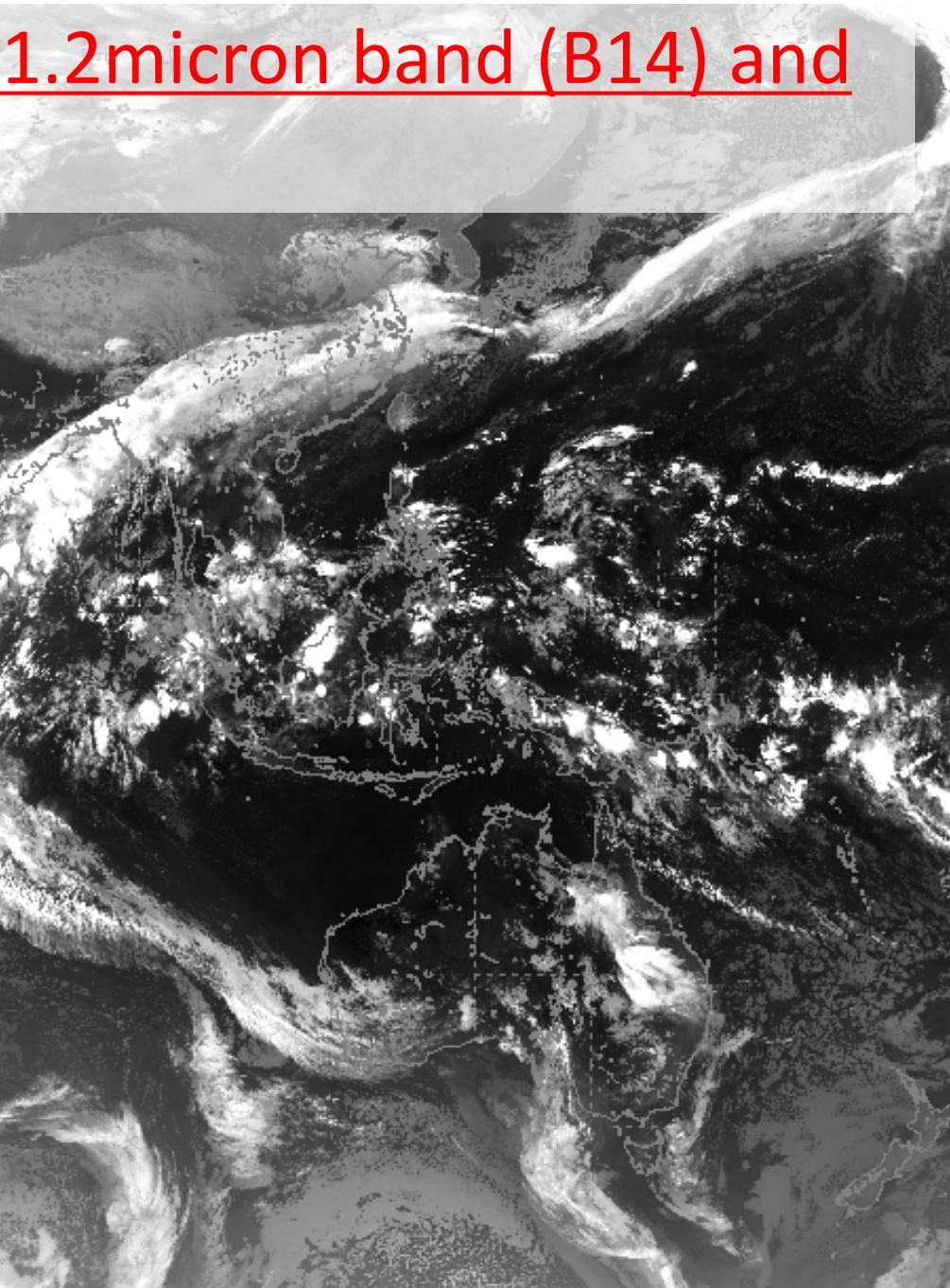
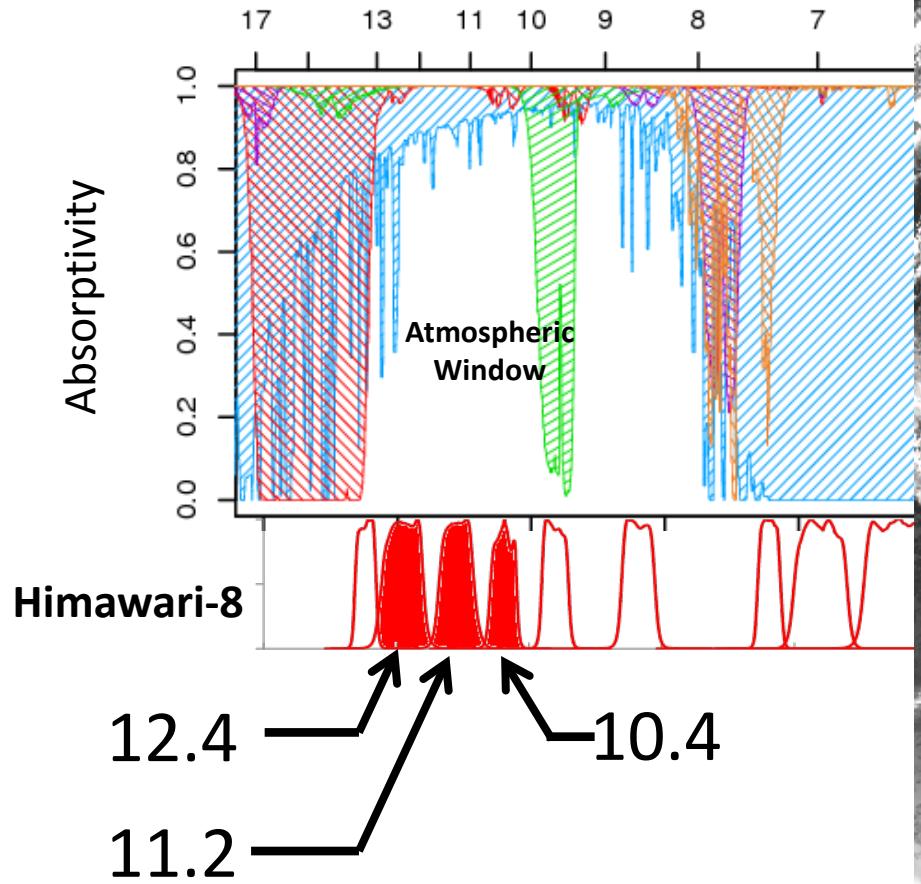


9.6micron band (B12)



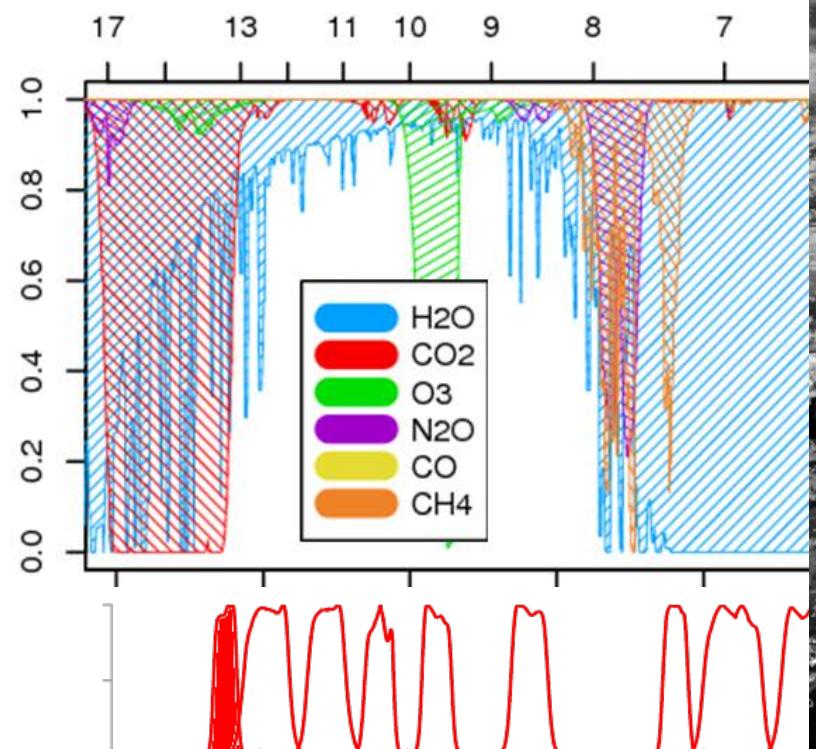
10.4micron band (B13), 11.2micron band (B14) and 12.4micron band (B15)

For cloud, surface,
cirrus detection and
cloud top phase

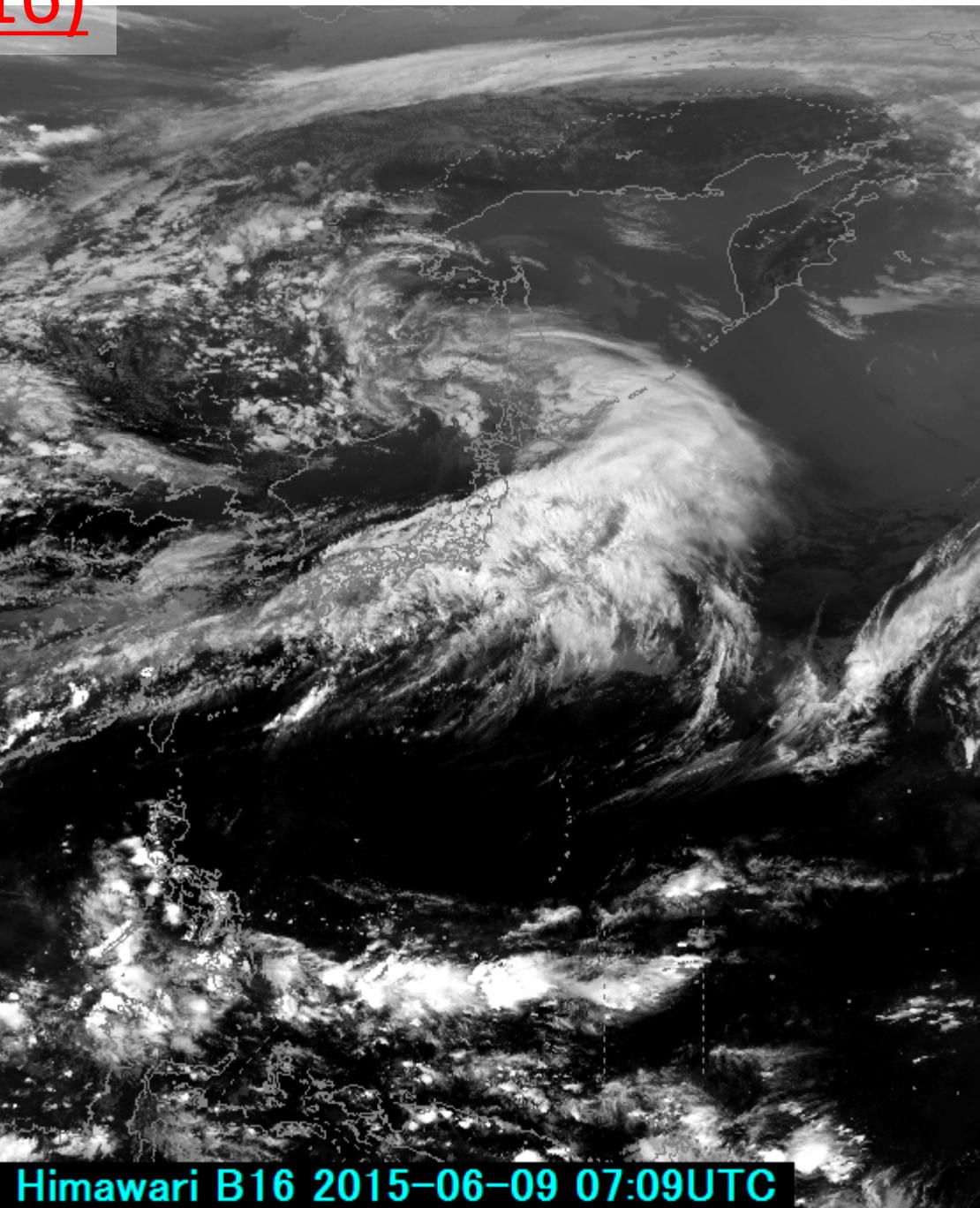


Himawari B13 2015-10-31 17:09UTC

13.3micron band (B16)



↑
CO₂
absorption band.



Himawari B16 2015-06-09 07:09UTC

Himawari-8/9 Users Support Information

<http://www.jma-net.go.jp/msc/en/support/>

Contents:

- Overview of satellite observation
- Overview of data dissemination
- Imager (AHI) specifications
- Operational status
- [Sample data](#)
- [Sample source code](#) to read
Himawari-8 data and convert into
other formats

The screenshot shows the "Sample Data (Names/formats)" page of the JMA MSC website. The top navigation bar includes links for Home, Activities, Products, Operations, and Supports. Below the navigation is a breadcrumb trail: Current position: Home > Himawari-8/9 > Sample Data. The main content area features a sub-navigation bar with tabs for Imager (AHI), Sample Data, AHI Proxy Data (For researchers), HimawariCast, and HimawariCloud (For NMHSs). The "Sample Data" tab is selected. Below this is another row of tabs: Names/formats, Himawari Standard Data, HRIT/LRIT Data, NetCDF Data, Color Image Data, JPEG Image Data, and SATAID Data. The main content area contains a section titled "Names and formats" which provides a brief description of the sample data and a link to "AHI Proxy data". Below this is a table titled "Table 1. Names/formats of Himawari-8 and -9 observation data processed by JMA". The table has columns for Name (format), Observation area, Method (via JMBSC, via HimawariCast, via HimawariCloud, via JDDS, via WIS Portal), and For NMHSs. It lists data for Himawari Standard Data (Himawari Standard Format), HRIT Data (HRIT File Format), and LRIT Data (LRIT File Format).

Name (format)	Observation area	Method				
		via JMBSC	via HimawariCast	via HimawariCloud	via JDDS	via WIS Portal
Himawari Standard Data (Himawari Standard Format)	Full disk	o	-	o	-	-
	Japan area	o	-	o	-	-
	Target area	o	-	o	-	-
HRIT Data (HRIT File Format)	Full disk	o	o	-	o	-
	LRIT Data (LRIT File Format)	Full disk	-	o	-	-

Feel free to contact:

Satellite Program Division, Japan Meteorological Agency
metsat@met.kishou.go.jp

Himawari Operation Status and Imagery Calibration/Navigation Monitoring from MSC Web

Himawari-8 Operation Status

Meteorological Satellite Center (MSC) of JMA

Home Activities Products Operations Supports

About us Aims Japanese

Monitoring the earth from space

Himawari-8 Real-Time Image

Himawari-8 User's Guide

Himawari-8 Operational Information MTSAT Operational Information

Virtual Laboratory (VL)

Products and Library

VLab

Navigation Monitoring Calibration Monitoring

RARS Monitoring Outlines and Activities

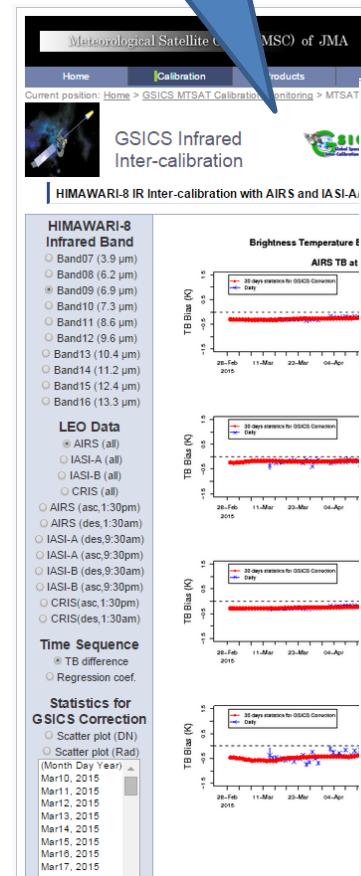
ATTENTION

- This website renewed with Himawari-8 operation starting on 7 July, 2015.

Information

- The Sixth Asia/Oceania Meteorological Satellite Users' Conference (AOMSUC-6) Venue decided (8 June 2015)
- Himawari-8 is scheduled to start operation at 02 UTC on 7 July 2015 (27 May 2015)
- Collection of images captured by Himawari-8 (1 May 2015)
- The Sixth Asia/Oceania Meteorological Satellite Users' Conference (AOMSUC-6) First Announcement (12 March 2015)
- Test dissemination of Himawari-8 imagery via the HimawariCast service (12 March 2015)
- Detailed information on utilization of HimawariCloud service (11 March 2015)

Imagery Calibration



Imagery Navigation



<http://www.jma-net.go.jp/msc/en/index.html>

Thank you.