

How to display the SGLI products using HDFview.

This is L2 global atmosphere products example.

We will explain about the imaging with “HDFview” which you can download from “Tools/Documents” of G-portal.

Satellite・Seonsor : GCOM-C/SGLI

Processing level : LEVEL2

Products : Atmosphere/Global

Search of G-portal:L2Global-Top of atmosphere radiance (Fine weather)

L2Global-Top of atmosphere radiance

L2Global-Cloud flag

L2Global-Classified cloud fraction etc

L2Global-aerosol(Near ultraviolet)

L2Global-aerosol(Polarization)

Example of file name : GC1SG1_20191210D01D(A)0000_L2SG_LCLRF_1002.h5

Mapping : EQualarea(EQA)(mapped)

1. Start of HDF View

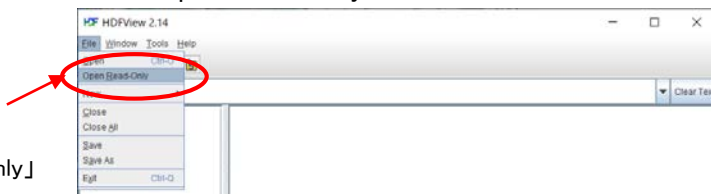
You can start by double-clicking the 「HDF View」 shortcut icon on the desktop or select 「HDF View」 from application menu.

2. Read product

You can read product according to the procedures from 2-① to 2-④.

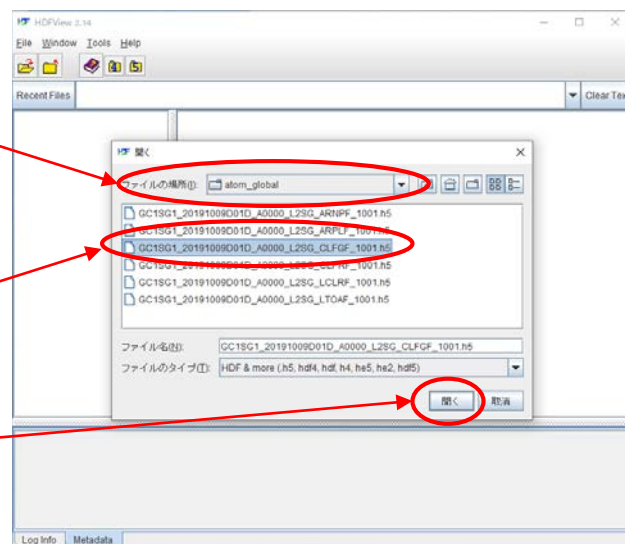
When you can read normally, it will be displayed like Figure.2-3.

File > Open Read-Only



2-①
Select 「Open Read-Only」

Figure. 2—1 Select of menu



2-②
Specify the save destination of GCOM-C/SGLI product.

2-③
Specify GCOM-C/SGLI product

2-④
Press the 「Open」 button.

Figure. 2—2 Select of a product

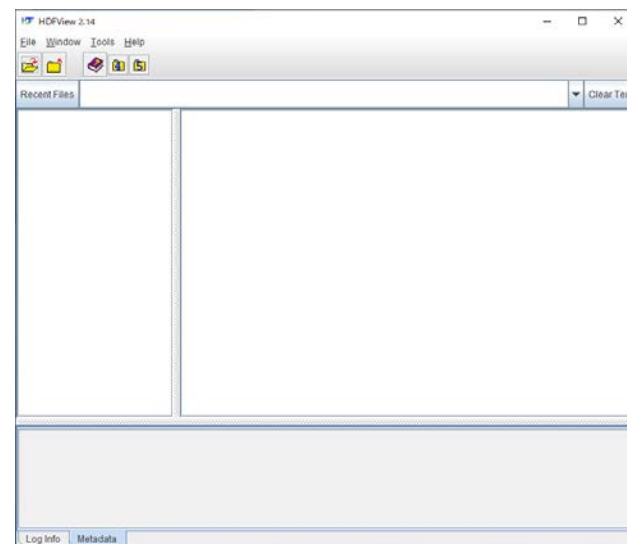


Figure1. Initial screen of HDFview

When the product is read normally, directories will be displayed at the left.

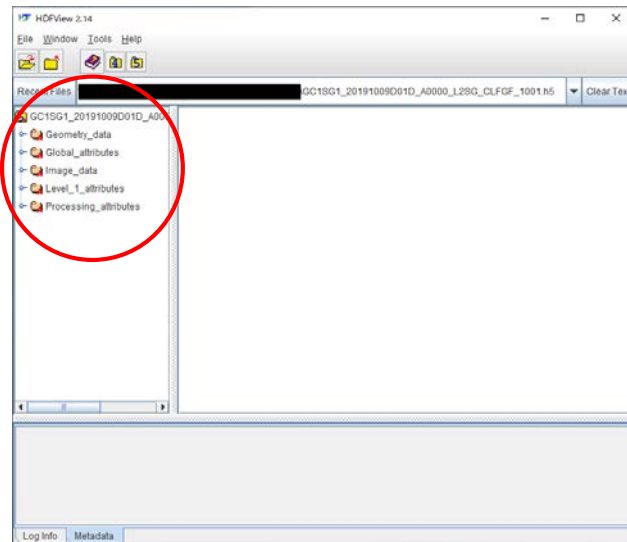


Figure.2—3 After read the product

3. Display of imaging screen

Display the screen of dataset for imaging according to the procedures from 3-① to 3-②..

3-①

Display dataset by clicking 「O-」 that is the left side of 「Image_data」.

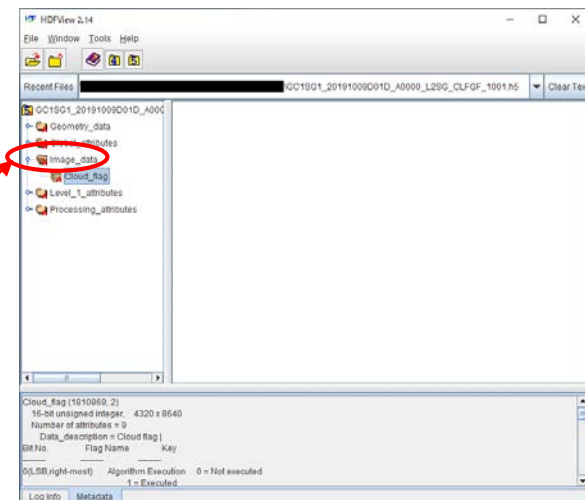


Figure. 3—1 Select dataset

3-②

Select the dataset for imaging and select 「Open As」 by right-clicking.

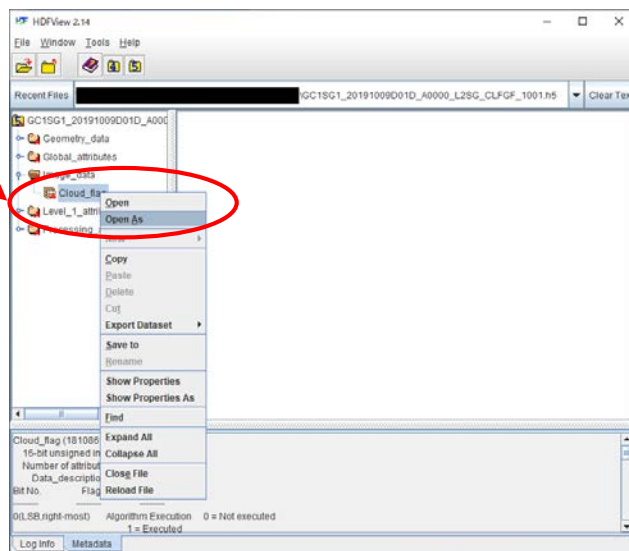


Figure. 3—2 Select menu for imaging

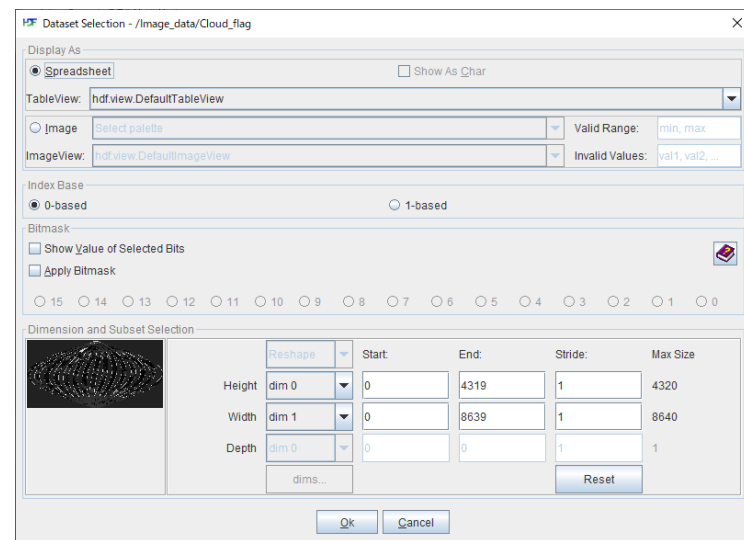


Figure. 3—3 Dataset selection screen

4. Display image

You can display the image of target dataset according to the procedures from 4-① to 4-⑥.

4-①
Select 「Image」 button

4-②
Press 「Select palette▼」, and then,
select 「Default」

4-③
Press 「OK」 button

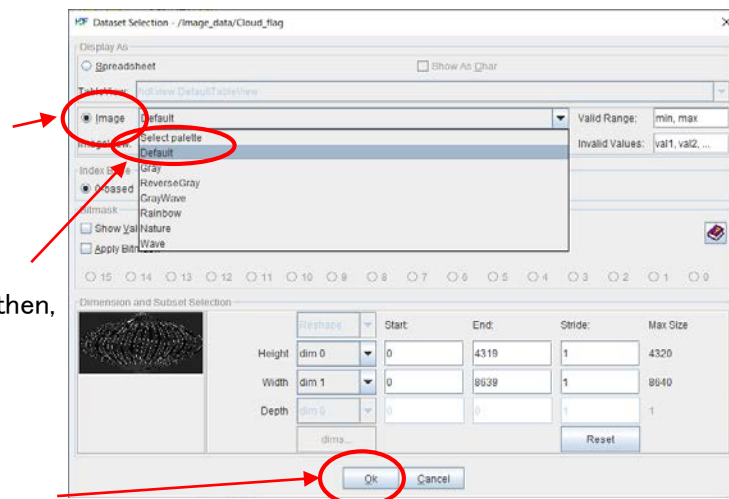
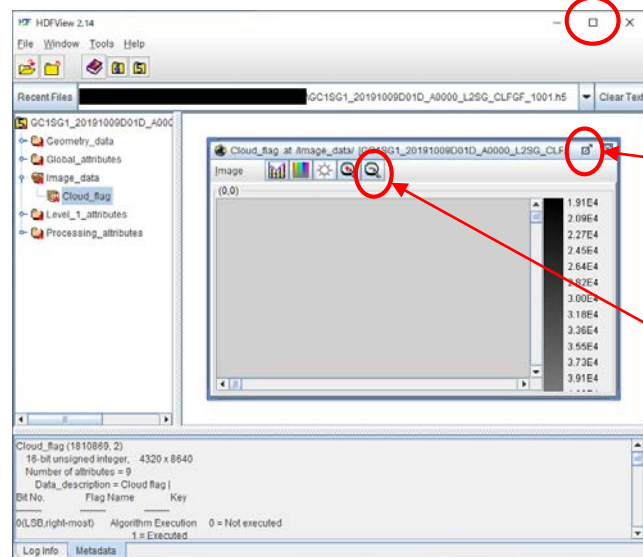


Figure. 4—1 Select parameter of imaging

4-④
Press zoom button



4-⑤
Press zoom button

4-⑥
Keep pressing the minus
button until you can see
the whole

Figure. 4—2 Screen after imaging

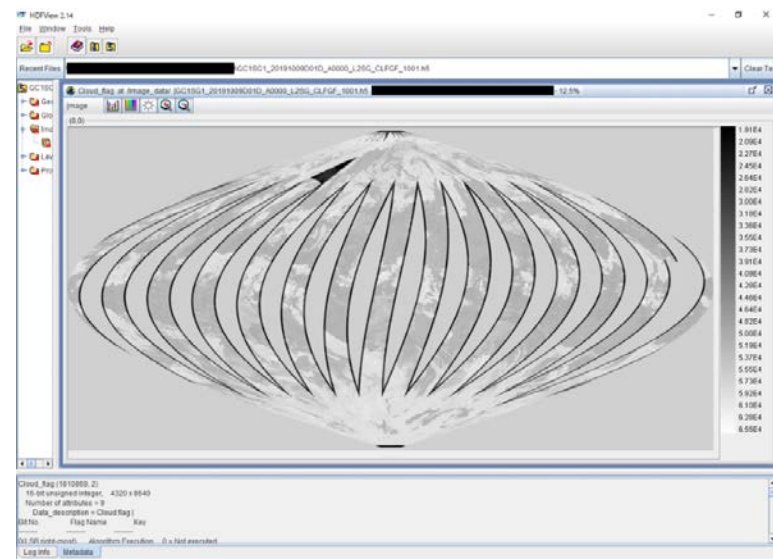


Figure. 4—3 Screen after imaging (displaying the whole)

5. Save image

You can save the displayed image according to the procedures from 5-① to 5-④.

- 5-①
Select save format
- JPEG
 - PNG
 - GIF
 - BMP

Image > Save Image As

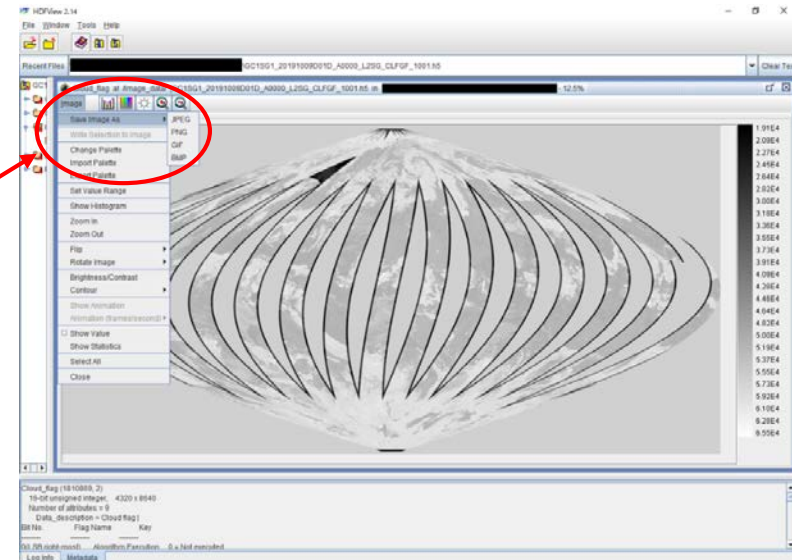
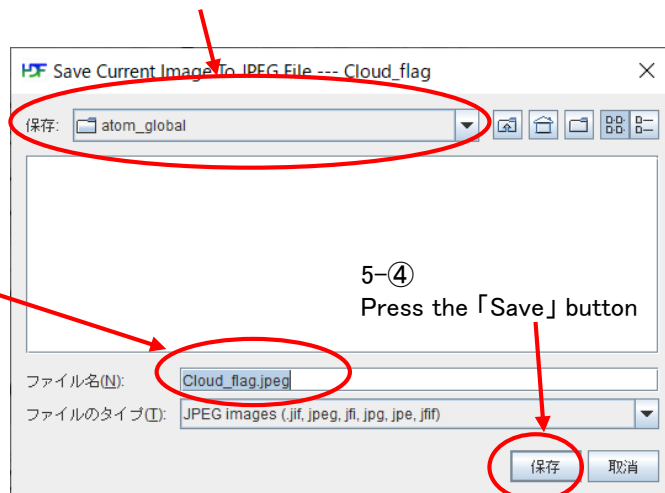


Figure. 5—1 Save image

- 5-②
Specify the save destination



- 5-③
Input the file name for saving

- 5-④
Press the 「Save」 button

Figure. 5—2 Input the file name for saving

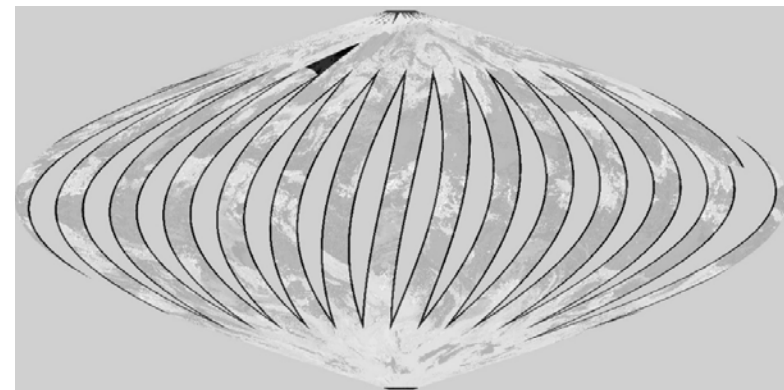


Figure. 5—3 Displaying result with the image display tool.