

DN values of LST(Land Surface Temperature) (1/2)

2024/11/08

a) The DN values represent the land surface temperature, except for the pixels for which an error value “65535” is designated.

b) The surface temperature can be derived with the following equation.

$$\text{LST [K]} = \text{DN} * \text{slope} + \text{offset}$$

c) You can obtain the slope/offset values in the equation above from the attributes of the corresponding HDF file. Please see figure1, in which the slope/offset values are shown by HDFview.

d) The slope/offset values are different for each dataset. Please refer to the Format Specification for details.

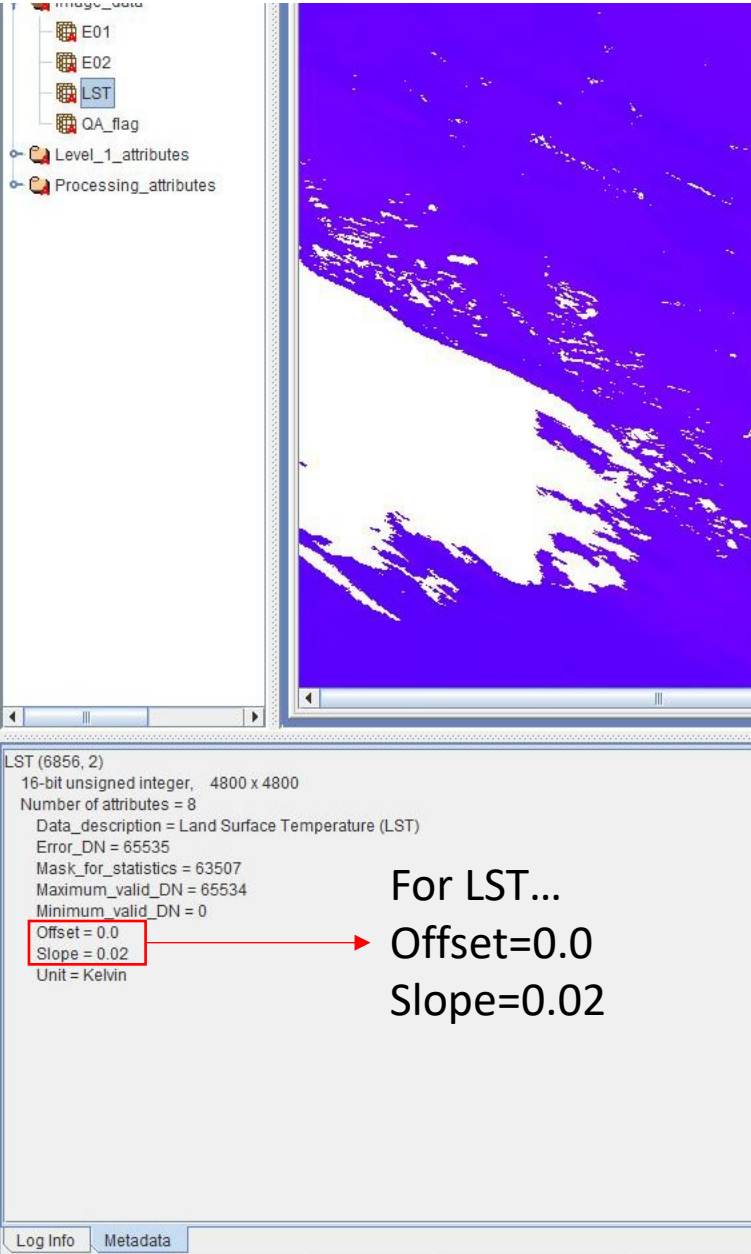


Figure1 : The screenshot of HDFView.

DN values of SST(Sea Surface Temperature) (2/2)

2024/11/08

- a) The DN values represent the sea surface temperature, except for the pixels for which invalid values “65532-65535” is designated.
- b) The surface temperature can be derived with the following equation.
SST [°C] = DN * slope + offset
- c) You can obtain the slope/offset values in the equation above from the attributes of the corresponding HDF file. Please see figure1, in which the slope/offset values are shown by HDFview.
- d) The slope/offset values are different for each dataset. Please refer to the Format Specification for details.

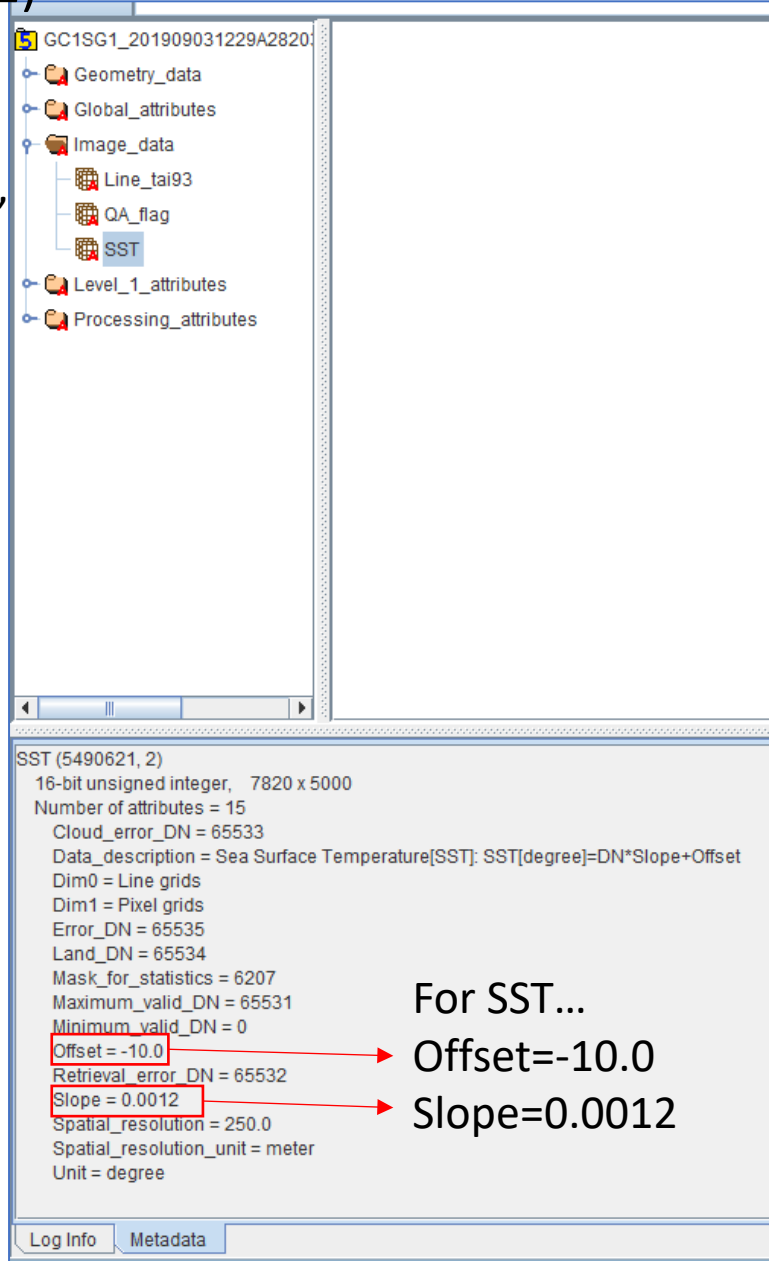


Figure1 : The screenshot of HDFView.