DN values of LST(Land Surface Temperature)
2020/2/28

a) The DN values represent the 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.

LST [K] = 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.

Link (Format Specification) :
https://gportal.jaxa.jp/gpr/assets/mng_upload/GCOMC/
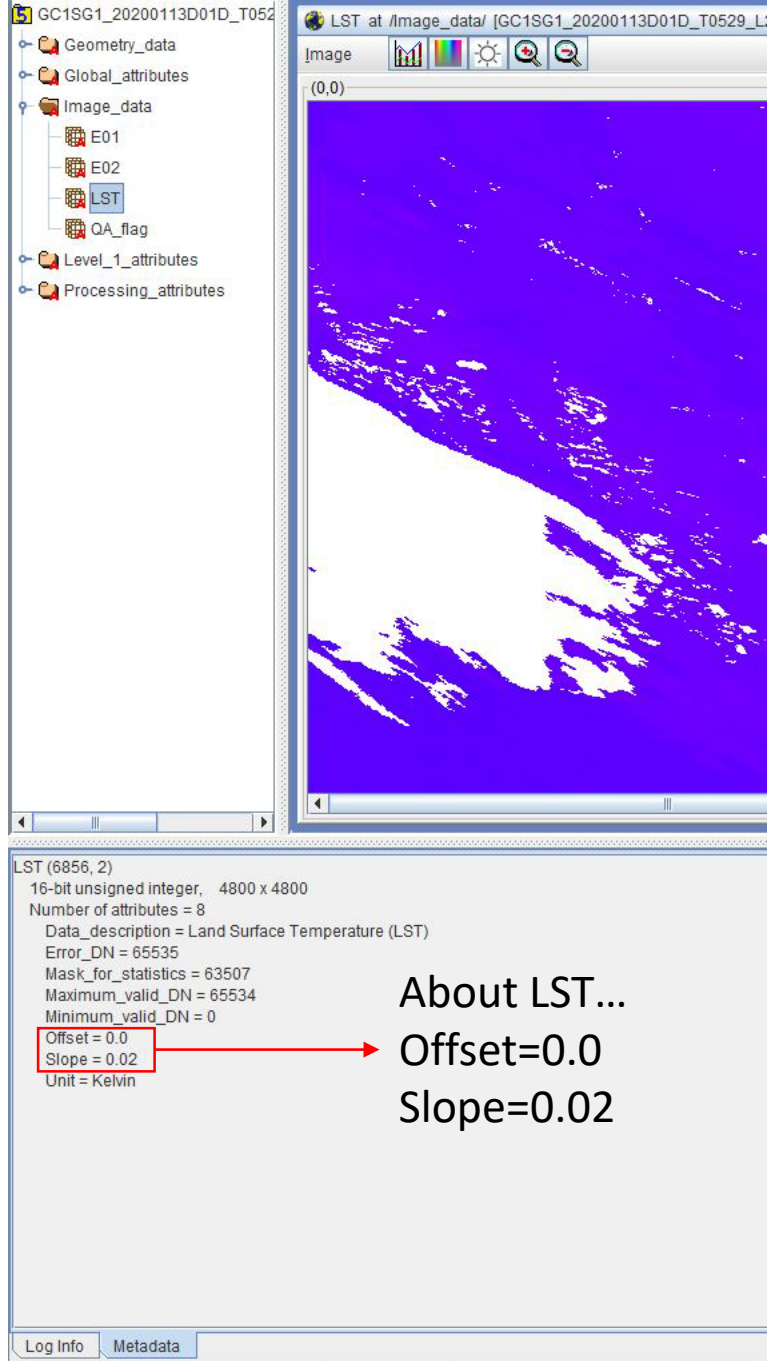SGLI_Higher_Level_Product_Format_Description_en.pdf

About LST…
Offset=0.0
Slope=0.02

Figure1 : The screenshot of HDFView.