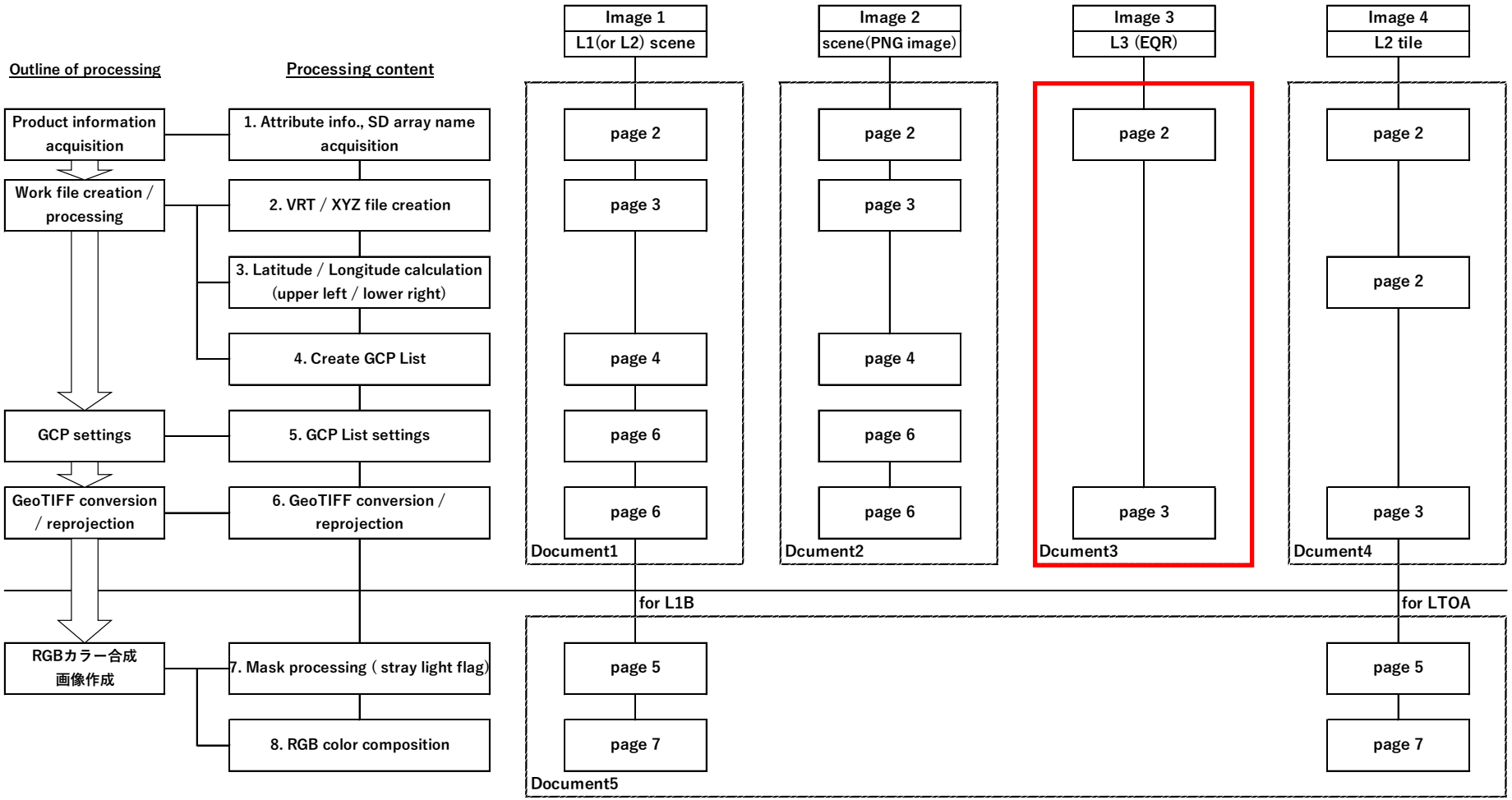
How to convert to GeoTIFF for Shikisai products

February 5, 2021 E

【Image 3】 Conversion of L3 NDVI (Normalized Difference Vegetation Index) (Equal Lat/Lon Coordinate (EQR))

Here is an example of GeoTIFF conversion of L3 images.

GeoTIFF conversion flow



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Product information acquisition

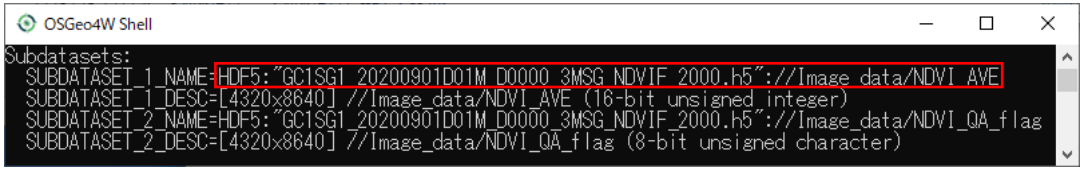
1） SD array name acquisition

The following is an example using OSGeo4W Shell which is installed when QGIS is installed on Windows.

Go to the directory where the image data is saved and enter the file name after the gdalinfo command as shown below to get the SD array name.

On Linux, it can be used in terminal applications, but GDAL must be installed.

Use the information in the red frame of SUBDATASET_1_NAME at the bottom of the displayed information.



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GeoTIFF conversion / reprojection

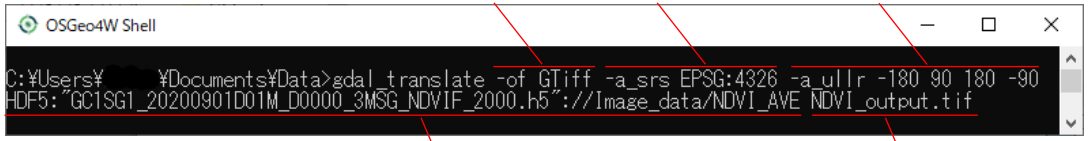
2） GeoTIFF conversion

Use the gdal_translate command to enter latitude / longitude information, etc. as shown below and execute.

Output file format

Input file reference coordinate system

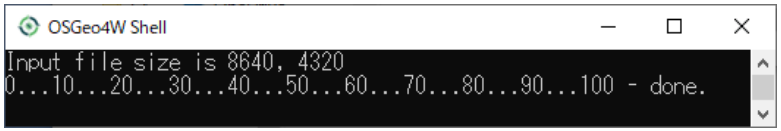
Upper left (-180 deg., 90 deg.), lower right (180 deg., -90 deg.) coordinates of the input file
The L3 (EQR) image is fixed.



Information of "SUBDATASET_1_NAME" acquired by gdalinfo

Output file name

When it ends normally, it will be as follows.



< Output file display example in QGIS >