Gap-filling of PALSAR-2 global mosaics using ScanSAR mode

Only Stripmap mode data from the one year in question are used for each annual mosaic, and hence there are some missing data in case of no observation. To reduce the missing data, gap-filling using the data from ScanSAR mode was applied for the year 2022 global mosaic (Ver.2.2.0).

Since the resolution of Stripmap mode which is used generally in global mosaics and ScanSAR mode are different, the image quality of the gap-filled area is different from the neighboring path or same point in the past observed by Stripmap mode. (Figure 1)

Gap-filled area is identifiable using processing mask information image. For details, please confirm the Global 25m Resolution PALSAR-2/PALSAR Mosaic Dataset Description.

Re-processing of the PALSAR-2 mosaic datasets in accordance with the new approach and product format is planned to follow.

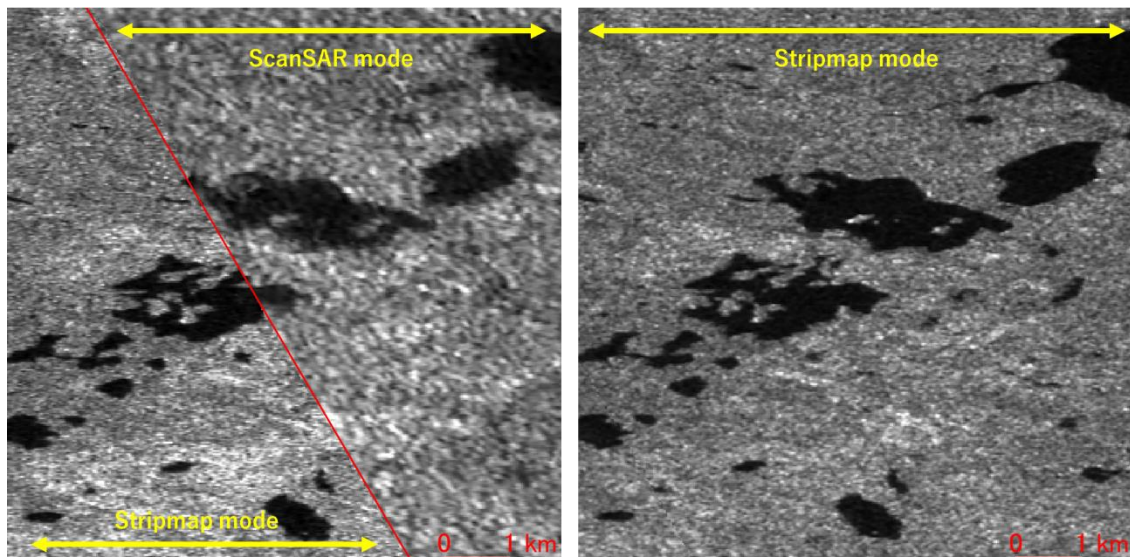Please be careful if you use these products.

Figure 1 Image quality difference of the gap-filled area using ScanSAR mode.
Tile N68W128, Left image: Year 2022, Right image: Year 2018.