QA Raster Creation

During the PAPA Algorithm individual pixels can be replaced with 7 different options, to keep track of those changes a QA raster is created.

The raster for 1 dekad (or processing unit) will be a .tif raster with values ranging from 1-7. If the ETf value doesn’t meet the set conditions of < 1.3 then the value gets replaced by the following:

1. Pre dekad raster
2. Next dekad raster
3. The raster before the pre dekad raster
4. The raster after the next dekad raster
5. Median ETf created earlier
6. A value of 1.05

This is a graphical presentation of the values.

|  |  |
| --- | --- |
| Original ETf | 1 |
| 1. Pre raster | 2 |
| 1. Next raster | 3 |
| 1. Pre raster | 4 |
| 2. Next raster | 5 |
| Median ETf | 6 |
| Value 1.05 | 7 |

