

FLAGS

✓ 1. Water Reflectance – BAC Open Waters (0a**_reflectance)

| Category | Flags to Mask |
|------------------------|--|
| Common Flags | CLOUD, CLOUD_AMBIGUOUS, CLOUD_MARGIN, INVALID, COSMETIC, SATURATED, SUSPECT, HISOLZEN, HIGHGLINT, SNOW_ICE |
| Processing Chain Flags | AC_FAIL, WHITECAPS, ADJAC, RWNEG_02 → RWNEG_08 |
| Product Flags | None |

✓ 2. Algal Pigment Concentration – BAC Open Waters (chl_oc4me → CHL_OC4ME)

| Category | Flags to Mask |
|------------------------|--|
| Common Flags | Same as above (CLOUD, etc.) |
| Processing Chain Flags | AC_FAIL, WHITECAPS, ADJAC, RWNEG_02 → RWNEG_08 |
| Product Flags | OC4ME_FAIL |

✓ 3. Diffuse Attenuation Coefficient – BAC Open Waters (trsp → KD490_M07)

| Category | Flags to Mask |
|--------------|---------------|
| Common Flags | Same as above |

| | |
|------------------------|------------------|
| Processing Chain Flags | AC_FAIL, etc. |
| Product Flags | KDM_FAIL |

✓ 4. Photosynthetically Active Radiation – BAC Open Waters (par → PAR)

| Category | Flags to Mask |
|------------------------|------------------|
| Common Flags | Same as above |
| Processing Chain Flags | AC_FAIL, etc. |
| Product Flags | PAR_FAIL |

✓ 5. Algal Pigment Concentration – AAC Complex Waters (chl_nn → CHL_NN)

| Category | Flags to Mask |
|------------------------|-----------------------------------|
| Common Flags | Same as above |
| Processing Chain Flags | <i>None required specifically</i> |
| Product Flags | OCNN_FAIL |

✓ 6. Total Suspended Matter – AAC Complex Waters (tsm_nn → TSM_NN)

| Category | Flags to Mask |
|--------------|---------------|
| Common Flags | Same as above |

| | |
|-------------------------------|-----------------------|
| Processing Chain Flags | <i>None specified</i> |
| Product Flags | OCNN_FAIL |

✓ **7. Coloured Detrital & Dissolved Material – AAC Complex Waters**
(iop_nn → ADG443_NN)

| Category | Flags to Mask |
|-------------------------------|-----------------------|
| Common Flags | Same as above |
| Processing Chain Flags | <i>None specified</i> |
| Product Flags | OCNN_FAIL |

✓ **8. Integrated Water Vapour Column (iwv → IWV)**

| Category | Flags to Mask |
|-------------------------------|-----------------------|
| Common Flags | MEGLINT |
| Processing Chain Flags | <i>None specified</i> |
| Product Flags | WV_FAIL |

🔄 **Common Flags Masking Summary (used across most products):**

You should mask pixels where any of these flags are **true**:

- CLOUD

- CLOUD_AMBIGUOUS
- CLOUD_MARGIN
- INVALID
- COSMETIC
- SATURATED
- SUSPECT
- HISOLZEN
- HIGHGLINT
- SNOW_ICE