**Definitions of CPL Vertical Feature Mask Parameters**

**Table 8: Definitions of CPL Vertical Feature Mask Parameters**

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| --- | --- |
| **Parameter** | **Interpretation** |
| Sky\_Condition | 0 = clean skies (no clouds/aerosols) |
|   | 1 = clear skies (no clouds) |
|   | 2 = cloudy skies (no aerosols) |
|   | 3 = hazy/cloudy (both clouds/aerosols) |
| Feature\_Type | 0 = invalid  |
|   | 1 = cloud |
|   | 2 = undetermined |
|   | 3 = aerosol |
| Feature\_Type\_Score | | 10 | = high confidence |
|   | | 1 | = low confidence |
|   | 0 = zero confidence |
| Cloud\_Phase | 0 = invalid  |
|   | 1 = water cloud |
|   | 2 = unknown cloud phase |
|   | 3 = ice cloud |
| Cloud\_Phase\_Score | | 10 | = high confidence |
|   | | 1 | = low confidence |
|   | 0 = zero confidence |
| Aerosol\_Type | 0 = invalid  |
|   | 1 = marine |
|   | 2 = polluted marine |
|   | 3 = dust |
|   | 4 = dust mixture |
|   | 5 = clean/background |
|   | 6 = polluted continental |
|   | 7 = smoke |
|   | 8 = volcanic |