Sentinel 2 ([source](https://www.satimagingcorp.com/satellite-sensors/other-satellite-sensors/sentinel-2a/)):

|  |  |  |
| --- | --- | --- |
| **Band** | **Scale** | **Description** |
| B1 | 0.0001 | 443.9nm (S2A) / 442.3nm (S2B)  Aerosols |
| B2 | 0.0001 | 496.6nm (S2A) / 492.1nm (S2B)  Blue |
| B3 | 0.0001 | 560nm (S2A) / 559nm (S2B)  Green |
| B4 | 0.0001 | 664.5nm (S2A) / 665nm (S2B)  Red |
| B5 | 0.0001 | 703.9nm (S2A) / 703.8nm (S2B)  Red Edge 1 |
| B6 | 0.0001 | 740.2nm (S2A) / 739.1nm (S2B)  Red Edge 2 |
| B7 | 0.0001 | 782.5nm (S2A) / 779.7nm (S2B)  Red Edge 3 |
| B8 | 0.0001 | 835.1nm (S2A) / 833nm (S2B)  NIR |
| B8A | 0.0001 | 864.8nm (S2A) / 864nm (S2B)  Red Edge 4 |
| B9 | 0.0001 | 945nm (S2A) / 943.2nm (S2B)  Water vapor |
| B10 | 0.0001 | 1373.5nm (S2A) / 1376.9nm (S2B)  Cirrus |
| B11 | 0.0001 | 1613.7nm (S2A) / 1610.4nm (S2B)  SWIR 1 |
| B12 | 0.0001 | 2202.4nm (S2A) / 2185.7nm (S2B)  SWIR 2 |
| QA10 |  | Always empty |
| QA20 |  | Always empty |
| QA60 |  | Cloud mask |

TERRACLIM ([source](https://developers.google.com/earth-engine/datasets/catalog/IDAHO_EPSCOR_TERRACLIMATE)):

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Units** | **Min** | **Max** | **Scale** | **Description** |
| aet | mm | 0\* | 3140\* | 0.1 | Actual evapotranspiration, derived using a one-dimensional soil water balance model |
| def | mm | 0\* | 4548\* | 0.1 | Climate water deficit, derived using a  one-dimensional soil water balance model |
| pdsi |  | -4317\* | 3418\* | 0.01 | Palmer Drought Severity Index |
| pet | mm | 0\* | 4548\* | 0.1 | Reference evapotranspiration (ASCE Penman-Montieth) |
| pr | mm | 0\* | 7245\* |  | Precipitation accumulation |
| ro | mm | 0\* | 12560\* |  | Runoff, derived using a one-dimensional  soil water balance model |
| soil | mm | 0\* | 8882\* | 0.1 | Soil moisture, derived using a one-dimensional  soil water balance model |
| srad | W/m^2 | 0\* | 5477\* | 0.1 | Downward surface shortwave radiation |
| swe | mm | 0\* | 32767\* |  | Snow water equivalent, derived using a one-dimensional soil water balance model |
| tmmn | °C | -770\* | 387\* | 0.1 | Minimum temperature |
| tmmx | °C | -670\* | 576\* | 0.1 | Maximum temperature |
| vap | kPa | 0\* | 14749\* | 0.001 | Vapor pressure |
| vpd | kPa | 0\* | 1113\* | 0.01 | Vapor pressure deficit |
| vs | m/s | 0\* | 2923\* | 0.01 | Wind-speed at 10m |

\* estimated min or max value