

**Make a table containing Satellite name, Bands, wavelength, description, pixel size columns for minimum 3 satellites (MODIS, Landsat, Sentinel).**

**1. Harmonized Sentinel-2 MSI: MultiSpectral Instrument, Level-2A**

| Bands | Wavelength                      | Pixel size (m) | Description |
|-------|---------------------------------|----------------|-------------|
| B1    | 443.9nm (S2A) / 442.3nm (S2B)   | 60             | Aerosols    |
| B2    | 496.6nm (S2A) / 492.1nm (S2B)   | 10             | Blue        |
| B3    | 560nm (S2A) / 559nm (S2B)       | 10             | Green       |
| B4    | 664.5nm (S2A) / 665nm (S2B)     | 10             | Red         |
| B5    | 703.9nm (S2A) / 703.8nm (S2B)   | 20             | Red Edge 1  |
| B6    | 740.2nm (S2A) / 739.1nm (S2B)   | 20             | Red Edge 2  |
| B7    | 782.5nm (S2A) / 779.7nm (S2B)   | 20             | Red Edge 3  |
| B8    | 835.1nm (S2A) / 833nm (S2B)     | 10             | NIR         |
| B8A   | 864.8nm (S2A) / 864nm (S2B)     | 20             | Red Edge 4  |
| B9    | 945nm (S2A) / 943.2nm (S2B)     | 60             | Water vapor |
| B11   | 1613.7nm (S2A) / 1610.4nm (S2B) | 20             | SWIR 1      |
| B12   | 2202.4nm (S2A) / 2185.7nm (S2B) | 20             | SWIR 2      |

**2. USGS Landsat 7 Level 2, Collection 2, Tier**

| Bands | Wavelengths             | Pixel         | Description                                       |
|-------|-------------------------|---------------|---|
| SR_B1 | 0.45-0.52 $\mu\text{m}$ | Not Available | Band 1 (blue) surface reflectance                 |
| SR_B2 | 0.52-0.60 $\mu\text{m}$ | NA            | Band 2 (green) surface reflectance                |
| SR_B3 | 0.63-0.69 $\mu\text{m}$ | NA            | Band 3 (red) surface reflectance                  |
| SR_B4 | 0.77-0.90 $\mu\text{m}$ | NA            | Band 4 (near infrared) surface reflectance        |
| SR_B5 | 1.55-1.75 $\mu\text{m}$ | NA            | Band 5 (shortwave infrared 1) surface reflectance |
| SR_B7 | 2.08-2.35 $\mu\text{m}$ | NA            | Band 7 (shortwave infrared 2) surface reflectance |

### 3. MODOCGA.006 Terra Ocean Reflectance Daily Global 1km

| Bands        | Wavelength | Description                       |
|--------------|------------|-----------------------------------|
| sur_refl_b08 | 405-420nm  | MODIS band 8 surface reflectance  |
| sur_refl_b09 | 438-448nm  | MODIS band 9 surface reflectance  |
| sur_refl_b10 | 483-493nm  | MODIS band 10 surface reflectance |
| sur_refl_b11 | 526-536nm  | MODIS band 11 surface reflectance |
| sur_refl_b12 | 546-556nm  | MODIS band 12 surface reflectance |
| sur_refl_b13 | 662-672nm  | MODIS band 13 surface reflectance |
| sur_refl_b14 | 673-683nm  | MODIS band 14 surface reflectance |
| sur_refl_b15 | 743-753nm  | MODIS band 15 surface reflectance |
| sur_refl_b16 | 862-877nm  | MODIS band 16 surface reflectance |