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| **Satellite Name** | **Bands Name** | **Resolution / Pixel Size (m)** | **Wavelength** | **Band Description** |
| USGS Landsat 9 Level 2, Collection 2, Tier 1 | SR\_B1 | 30 | 0.435-0.451 μm | Ultra blue, coastal aerosol |
| SR\_B2 | 0.452-0.512 μm | Blue |
| SR\_B3 | 0.533-0.590 μm | Green |
| SR\_B4 | 0.636-0.673 μm | Red |
| SR\_B5 | 0.851-0.879 μm | NIR |
| SR\_B6 | 1.566-1.651 μm | SWIR 1 |
| SR\_B7 | 2.107-2.294 μm | SWIR 2 |
| Harmonized Sentinel-2 MSI: MultiSpectral Instrument, Level-2A | B1 | 60 | 443.9nm / 442.3nm | Aerosols |
| B2 | 10 | 496.6nm / 492.1nm | Blue |
| B3 | 10 | 560nm / 559nm | Green |
| B4 | 10 | 664.5nm / 665nm | Red |
| B5 | 20 | 703.9nm / 703.8nm | Red Edge 1 |
| B6 | 20 | 740.2nm / 739.1nm | Red Edge 2 |
| B7 | 20 | 782.5nm / 779.7nm | Red Edge 3 |
| B8 | 10 | 835.1nm / 833nm | NIR |
| B8A | 20 | 864.8nm / 864nm | Red Edge 4 |
| B9 | 60 | 945nm / 943.2nm | Water vapor |
| B11 | 20 | 1613.7nm / 1610.4nm | SWIR 1 |
| B12 | 20 | 2202.4nm / 2185.7nm | SWIR 2 |

| **Satellite** | **Primary Use** | **Band** | **Bandwidth** | **Spectral**  **Radiance** |
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| MODIS | Land/Cloud/Aerosols  Boundaries | 1 | 620 – 670 nm | 21.8 |
| 2 | 841 – 876 nm | 24.7 |
|  | 3 | 459 – 479 nm | 35.3 |
| 4 | 545 – 565 nm | 29 |
| 5 | 1230 – 1250 nm | 5.4 |
| 6 | 1628 – 1652 nm | 7.3 |
| 7 | 2105 - 2155 nm | 1 |
| Ocean Color/  Phytoplankton/  Biogeochemistry | 8 | 405 - 420 nm | 44.9 |
| 9 | 438 - 448 nm | 41.9 |
| 10 | 483 - 493 nm | 32.1 |
| 11 | 526 - 536 nm | 27.9 |
| 12 | 546 - 556 nm | 21 |
|  | 13 | 662 - 672 nm | 9.5 |
| 14 | 673 - 683 nm | 8.7 |
| 15 | 743 - 753 nm | 10.2 |
| 16 | 862 - 877 nm | 6.2 |
| Atmospheric  Water Vapor | 17 | 890 - 920 nm | 10 |
| 18 | 931 - 941 nm | 3.6 |
| 19 | 915 - 965 nm | 15 |
| Surface/Cloud  Temperature | 20 | 3.660 - 3.840 µm | 0.45(300K) |
| 21 | 3.929 - 3.989 µm | 2.38(335K) |
| 22 | 3.929 - 3.989 µm | 0.67(300K) |
| 23 | 4.020 - 4.080 µm | 0.79(300K) |
| Atmospheric  Temperature | 24 | 4.433 - 4.498 µm | 0.17(250K) |
| 25 | 4.482 - 4.549 µm | 0.59(275K) |
| Cirrus Clouds  Water Vapor | 26 | 1.360 - 1.390 µm | 6 |
| 27 | 6.535 - 6.895 µm | 1.16(240K) |
| 28 | 7.175 - 7.475 µm | 2.18(250K) |
| Cloud Properties | 29 | 8.400 - 8.700 µm | 9.58(300K) |
| Ozone | 30 | 9.580 - 9.880 µm | 3.69(250K) |
| Surface/Cloud  Temperature | 31 | 10.780 - 11.280 µm | 9.55(300K) |
| 32 | 11.770 - 12.270 µm | 8.94(300K) |
| Cloud Top  Altitude | 33 | 13.185 - 13.485 µm | 4.52(260K) |
| 34 | 13.485 - 13.785 µm | 3.76(250K) |
| 35 | 13.785 - 14.085 µm | 3.11(240K) |
| 36 | 14.085 - 14.385 µm | 2.08(220K) |