## Calibrated Radiance

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>Data Center</th>
<th>Selected Data Sets and Data Collections</th>
</tr>
</thead>
</table>
| Calibrated Data/Imagery from Passive Sensors Radiance, Brightness Temperature | LaRC ASDC [http://eosweb.larc.nasa.gov](http://eosweb.larc.nasa.gov) | • Airborne Multi-angle Imaging SpectroRadiometer (AirMISR) data sets  
• MODIS Airborne Simulator (MAS) data sets [from various field campaigns]  
• International Satellite Cloud Climatology Project (ISCCP) B3 data product  
• First ISCCP Regional Experiment (FIRE) data sets  
• Chesapeake Lighthouse and Aircraft Measurements for Satellites (CLAMS) (AirMISR_CLAMS_2001, CLAMS_ER2_MAS, and CLAMS.CV580_CAR)  
• CERES SSF TOA/Surface Fluxes and Clouds, and MISR Ellipsoid and Terrain Radiances data  
• Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations (CALIPSO) Infrared Imaging Radiometer Level 1B radiance data  
• CALIPSO Wide Field Camera Level 1A 125 m and 1 km Native Science data and 1 km Registered Science data  
• Tropospheric Emission Spectrometer (TES) L1B Standard and Special Observation products |
| | ASF SDC [http://www.asf.alaska.edu](http://www.asf.alaska.edu) | • AVNIR-2 and PRISM Level 1B1 Radiometrically calibrated data at sensor point products and Level 1B2 geometrically corrected data products (from Americas ALOS Data Node at ASF) |
| | GES DISC [http://disc.sci.gsfc.nasa.gov](http://disc.sci.gsfc.nasa.gov) | • AIRS/Aqua Infrared Geolocated Radiances  
• AIRS/Aqua Visible Geolocated Radiances  
• AIRS/Aqua AMSU-A Geolocated Brightness Temperatures  
• AIRS/Aqua L2 Cloud Cleared Radiance Product  
• TRMM 1B11 Microwave Brightness Temperature (TMI)  
• MLS/Aura L1 Microwave Radiances (118, 190, 240 and 640 GHz, and 2.5 Thz)  
• MLS Level 1 Radiance from Digital Autocorrelators  
• MLS Level 1 Radiance from Filter Banks for GHz and Thz  
• OMI Level 1B UV Global and Zoom-in Geolocated Earthshine Radiances  
• OMI Level 1B VIS Global and Zoom-in Geolocated Earthshine Radiances |
| | GHRC DAAC [http://ghrc.nsstc.nasa.gov](http://ghrc.nsstc.nasa.gov) | • Advanced Microwave Sounding Unit Swath (AMSU-A) from NOAA-15, NOAA-16, and NOAA-17  
• MSFC SSM/I Tb and Product Grids from DMSP F13, F14, and F15  
• MSFC SSM/I Tb and Product Swaths from DMSP F13, F14, and F15 |
| | LP DAAC [https://lpdac.usgs.gov](https://lpdac.usgs.gov) | • ASTER L1B Registered Radiance at the Sensor  
• ASTER On-Demand L2 Surface Radiance  
• ASTER On-Demand L2 Brightness Temperature at the Sensor |
| | MODAPS LAADS [http://laadsweb.nascom.nasa.gov](http://laadsweb.nascom.nasa.gov) | • MODIS/Terra and MODIS/Aqua Calibrated Radiances at 1 km, 500 m, and 250 m, plus subsets at 5 km spatial resolution  
• MODIS/Terra and MODIS/Aqua Aeronet-based Surface Reflection Validation Network (MODASRVPN and MYDASRVPN) |
| | ORNL DAAC [http://daac.ornl.gov](http://daac.ornl.gov) | • BOREAS Level-3B AVHRR-LAC Imagery; Scaled at-Sensor Radiance in LGSOWG Format  
• BOREAS RSS-14 GOES-7 Level-1A Visible, Infrared, and Water Vapor Images  
• SAFARI 2000: Solar Spectral Flux Radiometer Data, Southern Africa  
## Sigma-0 / Backscatter

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| NSIDC DAAC           | Nimbus-7 SMMR Polar Gridded Radiances and Sea Ice Concentrations  
|                      | DMSP SSM/I Daily Polar Gridded Brightness Temperatures  
|                      | DMSP SSM/I Pathfinder Daily EASE-Grid Brightness Temperatures  
|                      | AMSR-E/Aqua L2A Global Swath Spatially-Resampled Brightness Temperatures (Tb)  
|                      | Nimbus-7 SMMR Pathfinder Daily EASE-Grid Brightness Temperatures  
|                      | AMSR-E/Aqua Daily EASE-Grid Brightness Temperatures  
|                      | AMSR-E/Aqua Daily L3 25 km Tb, & Sea Ice Conc. Polar Grids  
|                      | AMSR-E/Aqua Daily L3 12.5 km Tb, Sea Ice Conc., & Snow Depth Polar Grids  
|                      | AMSR-E/Aqua Daily L3 6.25 km 89 GHz Brightness Temperature (Tb) Polar Grids  
|                      | AMSR-E/Aqua Global Quarter-Degree Gridded Brightness Temperatures  
|                      | Uninhabited Aerial Vehicle Synthetic Aperture Radar (AVSAR) Data  
|                      | AMSR/ADEOS II L2A Global Swath Spatially-Resampled Brightness Temperatures                                                                                                                                                           |

## Total Solar Irradiance

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| LaRC ASDC            | Activity Cavity Radiometer Irradiance Monitor (ACRIM) II and III daily data sets  
|                      | Earth Radiation Budget Experiment (ERBE) Total Solar Irradiance and Solar Constants                                                                                                                                                      |
| GES DISC             | SORCE Level 3 Total Solar Irradiance Daily Means  
|                      | SORCE Level 3 Total Solar Irradiance 6-Hour Means                                                                                                                                                                                     |

## Ultraviolet Spectral Irradiance

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<tbody>
<tr>
<td>LaRC ASDC</td>
<td>CERES Synoptic Radiative Fluxes and Clouds (SYN), Monthly Regional Radiative Fluxes and Clouds (AVG), and Monthly Zonal and Global Radiative Fluxes and Clouds (ZAVG) Products [from Terra]</td>
</tr>
</tbody>
</table>
| GES DISC             | UARS SOLSTICE Level 3BS Daily Solar Data (Daily mean solar spectra corrected for instrument degradation, plus additional solar parameters)  
|                      | UARS SUSIM Level 3BS Daily Solar Data (Daily mean solar spectra corrected for instrument degradation, plus additional solar parameters)  
|                      | SORCE Level 3 Solar Spectral Irradiance Daily Means  
|                      | OMI/Aura Surface UV Irradiance Daily L3 Global 1.0x1.0 deg Grid  
|                      | OMI/Aura Surface UV Irradiances 1-orbit L2 Swath 13x24 km                                                                                                                                                                              |
| ORNL DAAC            | FIFE: Satellite Atmospheric Correction Coefficients 1987-1999                                                                                                                                                                          |

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