

Glossary

SOHO's Instruments

CDS Coronal Diagnostic Spectrometer

CELIAS Charge, Element and Isotope Analysis System

COSTEP Comprehensive SupraThermal and Energetic Particle analyzer

EIT Extreme ultraviolet Imaging Telescope

ERNE Energetic and Relativistic Nuclei and Electron experiment

LASCO Large Angle and Spectrometric COronagraph

MDI Michelson Doppler Imager

SEM Solar Extreme ultraviolet Monitor

SUMER Solar Ultraviolet Measurements of Emitted Radiation

SWAN Solar Wind ANisotropies

UVCS UltraViolet Coronagraph Spectrometer

VIRGO Variability of solar IRradiance and Gravity Oscillations

Other Instruments / Spacecraft

ACE Advanced Composition Explorer

EGS EUV Grating Spectrograph

FUSE Far-Ultraviolet Spectroscopic Explorer

SERTS Solar EUV Research Telescope and Spectrograph

HRTS High Resolution Telescope and Spectrograph (on HST)

HST Hubble Space Telescope

ISS International Space Station

IUE International Ultraviolet Explorer

Pioneer Series of spacecraft for study of the interplanetary and outer solar system

SNOE Student Nitric Oxide Explorer

SOLSTICE SOLar-Stellar Irradiance Comparison Experiment (on UARS)

SORCE Solar Radiation and Climate Experiment

SPARTAN 201 Shuttle-launched and -retrieved satellite missions for coronal studies

SUSIM Solar Ultraviolet Spectral Irradiance Monitor (on UARS)

TIMED Thermosphere, Ionosphere, Mesosphere, Energetics and Dynamics mission

TRACE Transition Region And Coronal Explorer

UARS Upper Atmosphere Research Satellite

Ulysses Spacecraft for the study of the heliosphere, out-of-ecliptic orbit, passing over the solar poles

Voyager Twin spacecraft mission, studying the outer solar system

WIND Spacecraft for magnetospheric and ionospheric studies

Yohkoh Japanese for “sunbeam”, satellite that carried instruments for X-rays and gamma rays

Institutions

ESA European Space Agency

NASA National Aeronautics and Space Agency (US)

ISAS Institute of Space and Astronautical Science (Japan)

BIPM Bureau International des Poids et Mesures

NIST National Institute of Standards and Technology (US)

PTB Physikalisch-Technische Bundesanstalt (Germany)

Other

SICWG SOHO Inter-Calibration Working Group

Cal-SO Rocket underflights for SOHO cross-calibration

Wavelength Bands

Nomenclatures for wavelength bands are often rather arbitrary, not unambiguous, and certainly not consistent from author to author. The vacuum-ultraviolet (VUV) spectral region, for example, is often subdivided into a far ultraviolet (FUV) and an extreme ultraviolet (EUV) range. A possible and rather common classification is the following:

Name (Abbreviation)	Nominal Range
X-rays	0.1 nm – 10 nm (0.1 keV – 10 keV)
soft X-rays	0.3 nm – 10 nm (0.1 keV – 3 keV)
vacuum UV (VUV)	< 200 nm
ultraviolet (UV)	< 450 nm
visible	450 nm – 750 nm
near infrared (NIR)	750 nm – 2.5 μm
far infrared (FIR)	2.5 μm – 100 μm
sub-millimetre (sub-mm)	100 μm – 1 mm