

EUV INSTRUMENTS

Andrew Jones

Laboratory for Atmospheric and Space Physics
University of Colorado

andrew.jones@lasp.colorado.edu

PHOTOMETERS

- ☀ Photodetectors with band limiting filter
 - ☀ Long wavelength and/or bandpass set by filter
 - ☀ Short wavelength almost always determined by absorbing mass of detector
- ☀ XPS, LYRA , (SoHO-SEM and EVE-ESP 0-order)

SPECTRO PHOTOMETERS

- ☀ Dispersing element, broad-band detectors, filter to reduce stray-light
- ☀ SOHO-SEM, SDO-EVE-ESP, GOES-EUVS

SPECTROMETERS / SPECTROGRAPHS

- ☀ Grating(s) record high resolution spectra
- ☀ SDO-EVE-MEGS, SOHO-CDS, TIMED-EGS,
Sol-ACES

OPERATIONAL PARAMETERS

- ☀ Bandpasses / resolution
- ☀ Time to make an irradiance measurement
- ☀ Rate of measurements
- ☀ Averaging