
SDO Analysis Guide

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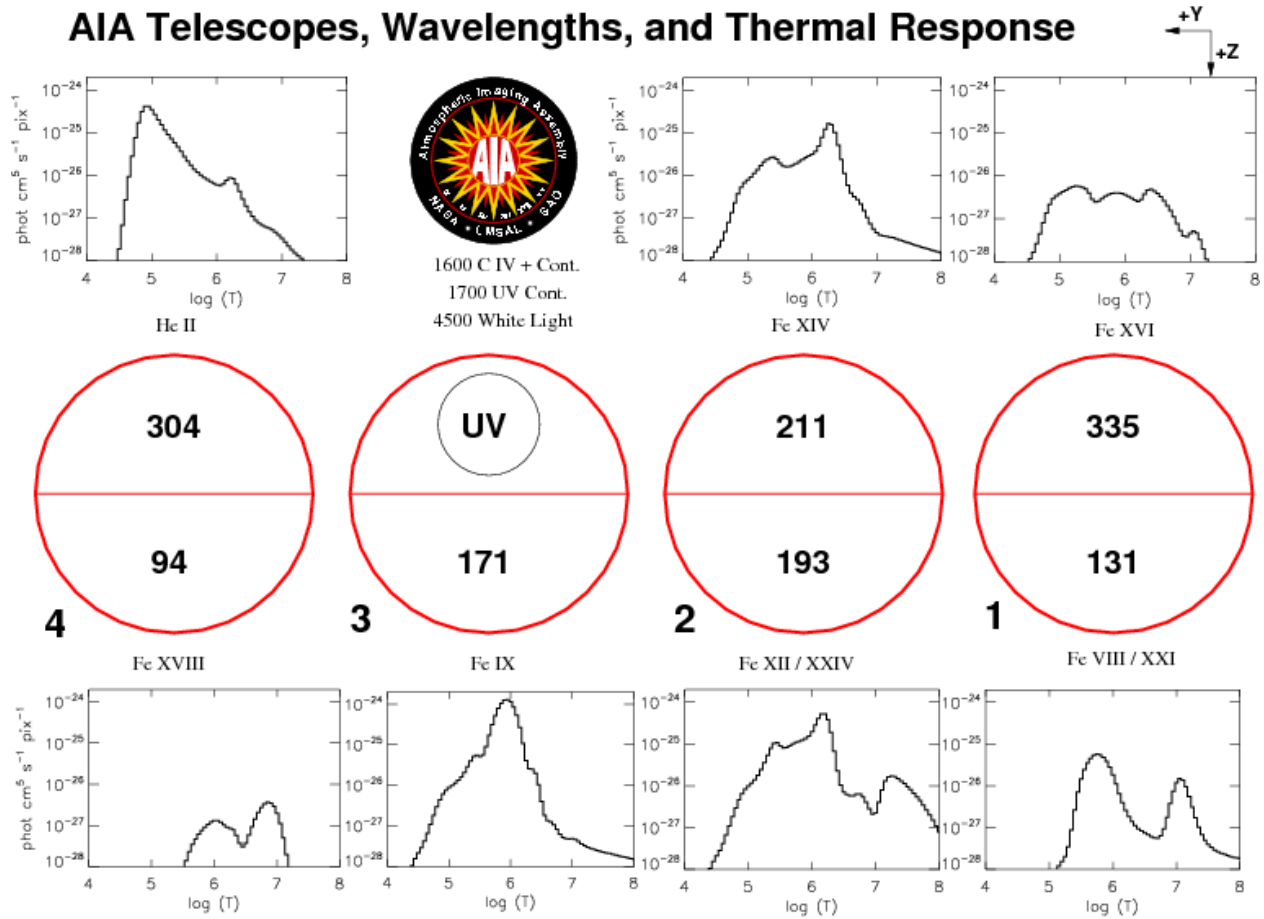
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CHAPTER 1

Introduction

1.1 Data Products from AIA

AIA Telescopes, Wavelengths, and Thermal Response



Looking at the AIA from the Sun

<http://aia.lmsal.com/>

How to Process AIA Data

2.1 Using `aia_prep.pro` to Align and Derotate AIA Data

In its most basic usage, the `aia_prep.pro` routine is called as follows:

```
aia_prep, fnames, indices, out_index, out_data
```

Note: If it is necessary to revert AIA data to their state prior to the despiking process, as discussed in *Despiking and/or Respiking AIA Data*, and/or to perform a PSF-deconvolution, as discussed in *Point Spread Function Deconvolution*, these operations should be performed prior to `aia_prep.pro`. These operations are not common, but may be necessary in some cases.

2.2 Despiking and/or Respiking AIA Data

2.3 Point Spread Function Deconvolution

CHAPTER 3

Useful Links

- Observatories and Instruments
- Data
- SolarSoft
 - Installation
 - Upgrade
 - Cutout Service