

NEI_Response
NEI_Responses of AIA and XRT

NEI_Response_20100613.sav : AIA and XRT responses of 2010 June 13
NEI_Response_20120127.sav : AIA and XRT responses of 2012 January 27

Saved variables

r_v807_nei: R(T, net, band), dblarr(301, 1000, 16) [$\text{cm}^5 \text{DN sec}^{-1} \text{pix}^{-1}$]
temp: $1.e5 - 1.e8$, dblarr(301) [K]
net: $1.8e8 - 3.e12$, dblarr(1000) [$\text{cm}^{-3} \text{sec}$]
band: AIA & XRT passband, strarr(16)

Example procedures to plot temperature response & characteristic timescale
response

resp_plot.pro : Plot temperature responses (ex. Left panel in Figure 3)

resp_plot_vt.pro : Plot characteristic timescale responses (ex. Right panel in Figure 3)

Example:

```
IDL>fname='NEI_Response_20120127.sav'
```

```
IDL>.run resp_plot
```

```
IDL>.run resp_plot_vt
```