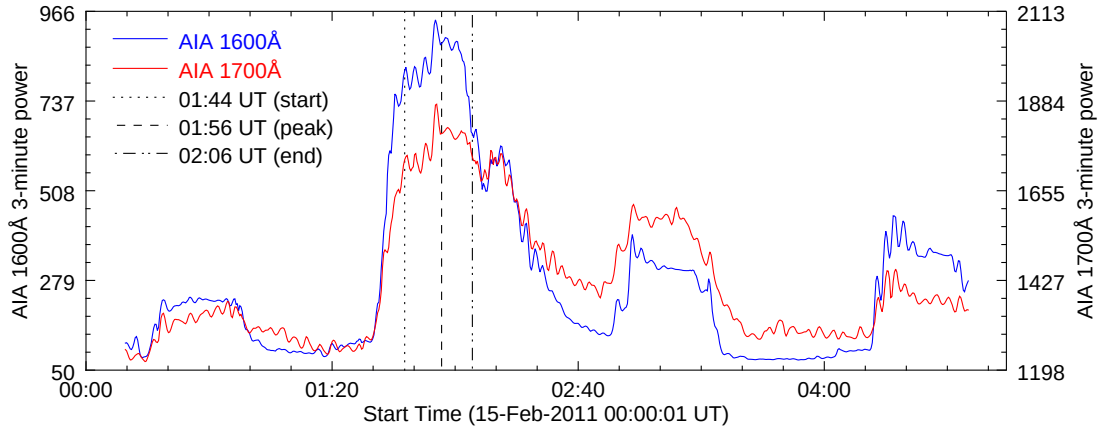
10 December 2018

Recap

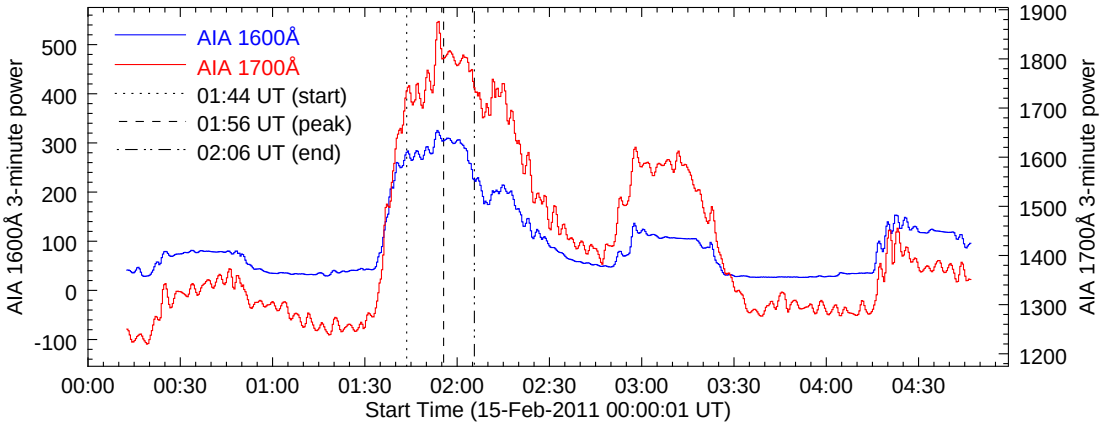
- Paper:
  - Use mac preview to read paper out loud.
    It thinks "AR11158" is pronounced "Arkansas".
  - Make sure acronyms are spelled out at first appearance (and only then).
    This should probably be one of the last things to do before submission.
- Other:
  - Goddard badge
    Jack emailed me with a phone number to call about renewal; haven't done this yet because I've been in Las Cruces.

Agenda

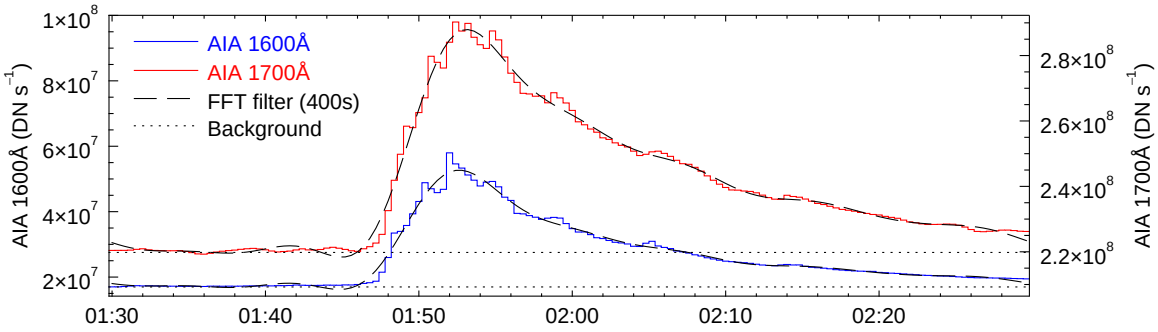
- "Science questions" vs. "Data questions"
- Correcting flux for exposure time (see figures on next page).
- Subregions - boxed areas in Figure on page 21.



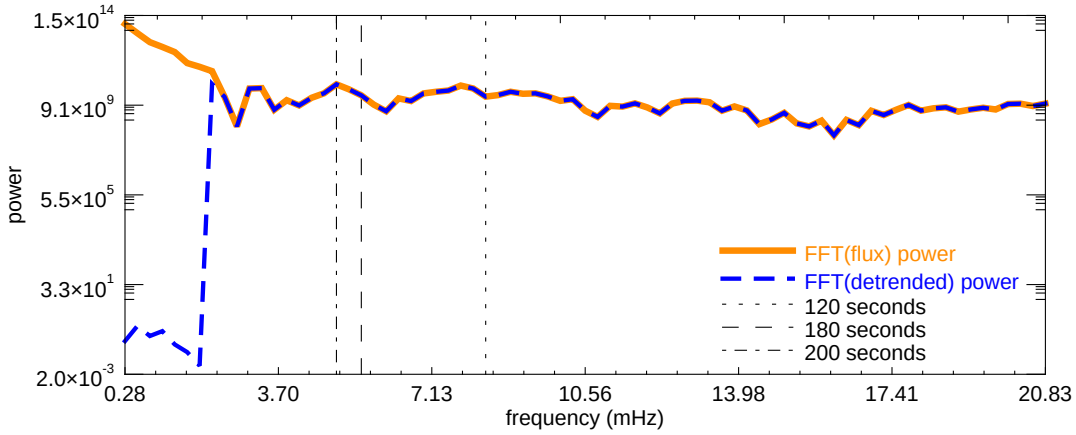
Temporal evolution of 3-minute power (per pixel), obtained by summing over the pixel values in each power map and dividing by the number of unsaturated pixels. The flux was *not* corrected for exposure time.



Same as above, but obtained using flux that *was* corrected for exposure time.



Raw data light curves overlaid with smoothed, filtered light curves. Background = average flux between 00:45 and 01:45.



Power spectra from both raw data and detrended data.

13 August 2018

- SHINE - spoke with Georgios Chintzoglou about research - suggested adding GOES data and updating AIA info (1600Å temperature from Lemen et al. 2012 $\rightarrow$ quiet/non-flaring)
- Tuesday, August 7 - first day at Goddard, badge good through September 30
- More background reading on normalizing
  - What exactly is the point of doing this?
  - Normalized FTs of oscillations with higher amplitude causes power to be the same in all cases. . . maybe normalizing helps to isolate other contributions to power enhancement/suppression?
- Back in Las Cruces at least until Tuesday, August 14
- Added GOES data to lightcurves - everything normalized between 0.0 and 1.0 at the moment
  - This took a bit longer than it should have because I accidently used November instead of February in tstart/tend.
  - Milligan et al. 2017 GOES curve looks more like 0.5-4.0Å than 1.0-8.0Å. Possible mistake?
- Plan for next week:
  - update lightcurves with GOES data and complete first draft of paper.
  - Start working with IRIS data? Could first run current codes on flare o bserved by IRIS, maybe the one from 10 September, 2017, or perhaps a smaller one.