

## Instructions

1. Login to <https://kasoc.phys.au.dk/index.php> (or make an account).
2. Select **Data Search** from the tabs at the top of the page.
3. Select **Objects** under **Kepler Data Search** menu.
4. In the **KIC number** text box, paste your list of KIC IDs. This list is available as a text file named `targets.txt`.
5. Under **Include data types**, deselect all options, and select **KASOC weighted power spectra**.
6. Click search. Sort the results based on **Cadence**, and select rows with **Short** cadence only.
7. Under **Download format**, select **wget script (FITS lightcurve)**.
8. Click **Download Selected**.
9. Run downloaded wget script: `sh wget_script.sh`.
10. Store `.FITS` files in a directory called `fits/`.
11. Create a directory called `data/` to store `.txt` files.
12. Run `prepare.py`.

**KASOC Data Release**  
Kepler Asteroseismic Science Operations Center

Home Information **Star Catalog** **Data Search** Bundles Ground-Based Publications My account Log Out

### Kepler Data Search

**2** → **Data Search**

**3** → **Objects** | **Data Products** | Proposals | Basic Data | Stellar parameters

**4** → Classification:   
Star name:   
KIC number: (One per line)  
1430163  
1725815  
2309595

**5** → Include data types: (Deselect all)

*Original Kepler/K2 data:*  
☐ Original data

*Merged and processed data products:*  
☐ KASOC concatenated timeseries  
☐ KASOC un-weighted power spectra  
☒ KASOC weighted power spectra  
☐ Red Giant Pixel Corrected data (Raw concatenated timeseries)  
☐ Red Giant Pixel Corrected data (Corrected concatenated timeseries)  
☐ Power density spectra of Red Giant corrected timeseries  
☐ Red Giant Pixel Corrected data (Corrected and filtered timeseries)  
☐ Power density spectra of Red Giant corrected and filtered timeseries

*Working group corrected data:*  
☐ WG1 Corrected data (Solar-like Oscillations)  
☐ WG2 Corrected data (Oscillating stars in open clusters)  
☐ WG4 Corrected data (Delta Scuti Stars)  
☐ WG8 Corrected data (RGB oscillations)  
☐ WG10 Corrected data (Gamma Doradus stars)

**Search**

**6** →

✓ Deselect all

	Filename	File size	KIC/EPIC number	Cadence	Quarter	Magnitude	Teff	Radius
<input type="checkbox"/>	kpir001430163_kasoc-wpsd_illc_v1	1.4 MB	1430163	Long		9.58	6910	2.945
<input type="checkbox"/>	kpir001725815_kasoc-wpsd_illc_v1	1.4 MB	1725815	Long		10.829	6219	2.555
<input type="checkbox"/>	kpir002309595_kasoc-wpsd_illc_v1	1.5 MB	2309595	Long		11.425	5040	2.598
<input checked="" type="checkbox"/>	kpir001430163_kasoc-wpsd_slc_v1	3.1 MB	1430163	Short		9.58	6910	2.945
<input checked="" type="checkbox"/>	kpir001725815_kasoc-wpsd_slc_v1	3.4 MB	1725815	Short		10.829	6219	2.555
<input checked="" type="checkbox"/>	kpir002309595_kasoc-wpsd_slc_v1	1.1 MB	2309595	Short		11.425	5040	2.598

6 rows returned (3 selected).

Download format:  
☐ Target Pixel data  
☐ ASCII lightcurve  
☐ FITS lightcurve  
☐ wget script (Target Pixel Data)  
☐ wget script (ASCII lightcurve)  
☒ wget script (FITS lightcurve)  
☐ Above table with KIC parameters  
☐ Plots of timeseries and amp. spectra

**7** → **Download Selected**