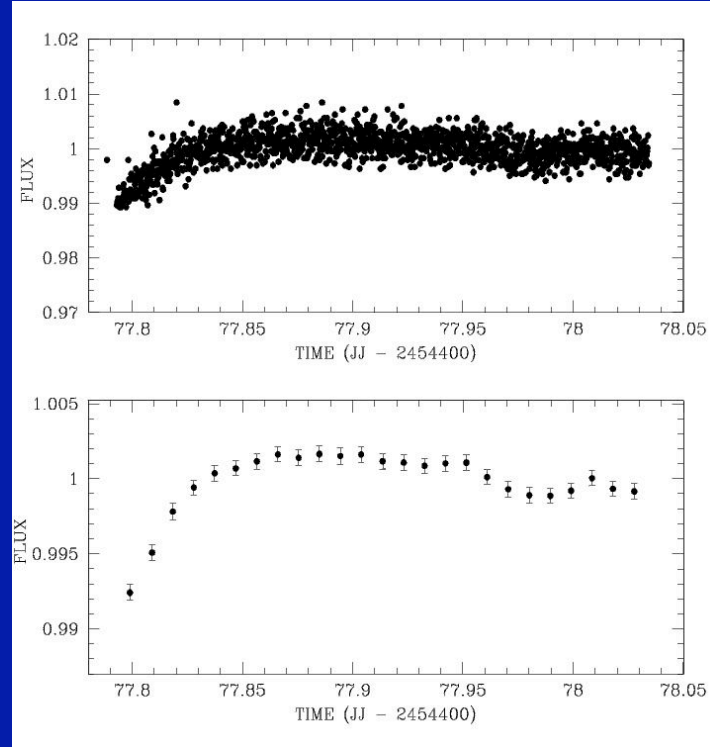
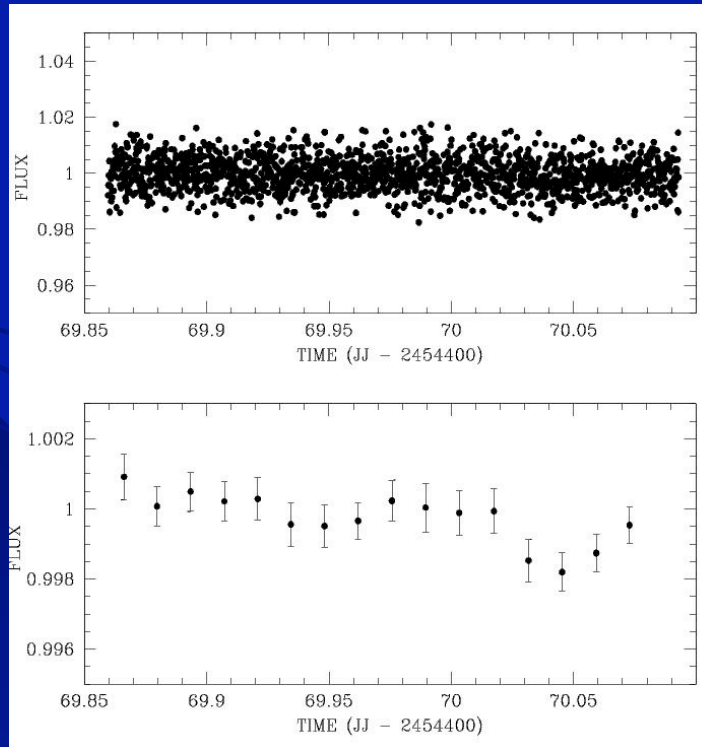


# Precise thermal emission measurement for transiting planets using deconvolution photometry

- **Aim** : to adapt the **high precision** algorithm DECPHOT to occultation photometry.
- DECPHOT
  - is based on the **partial deconvolution** of images
  - gives an **optimal separation** of the stellar flux from the background.
    - ⇒ Very important in infrared

# Current research

- Use DECPHOT to measure the exoplanets' thermal emission for high photometric precision



*Secondary eclipse of GJ436 observed with MIPS on the left, and with IRS on the right.*

Sagan Workshop

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