

Parallaxes @ OATo

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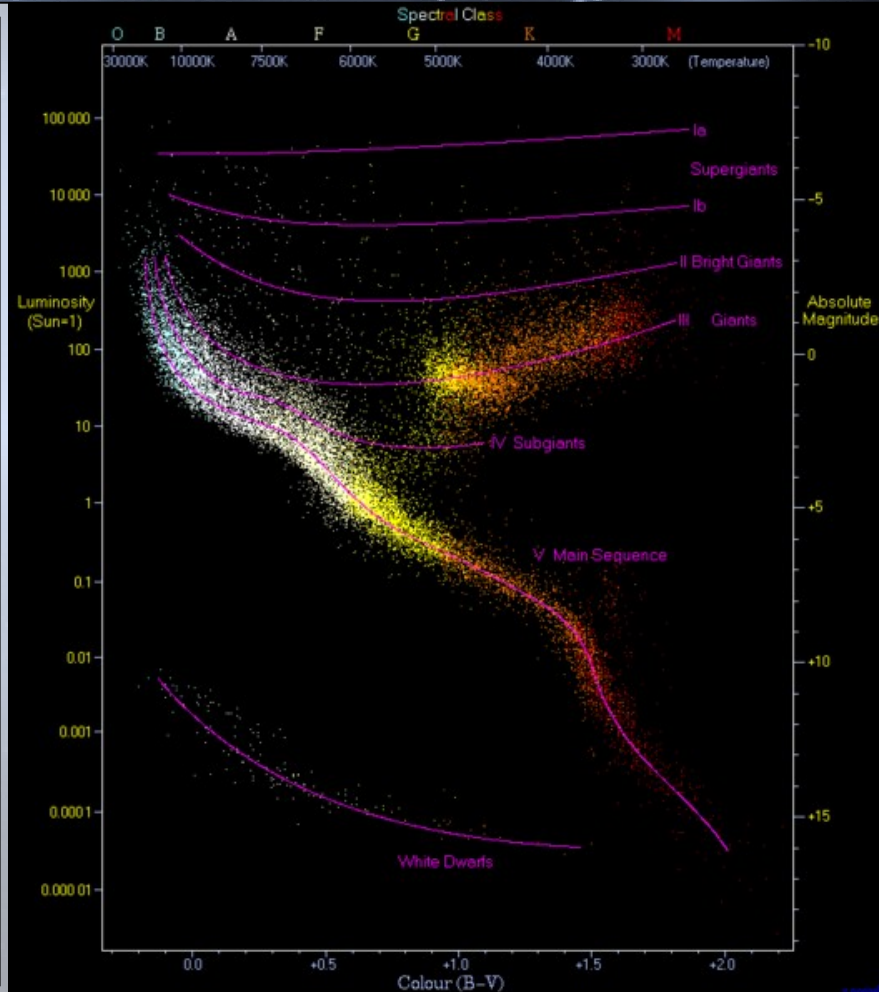
Stars and colours

Colour → Temperature

Red = Cold

Yellow = Avg. (*Sun*)

White = Hot

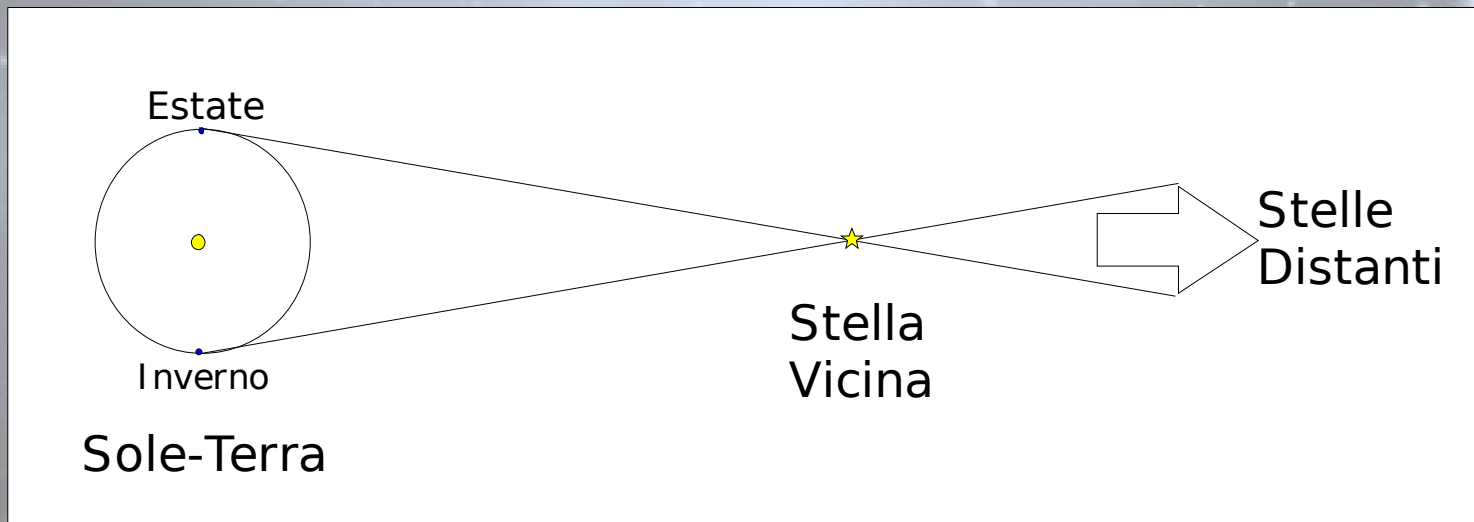


Parallaxes from the Earth

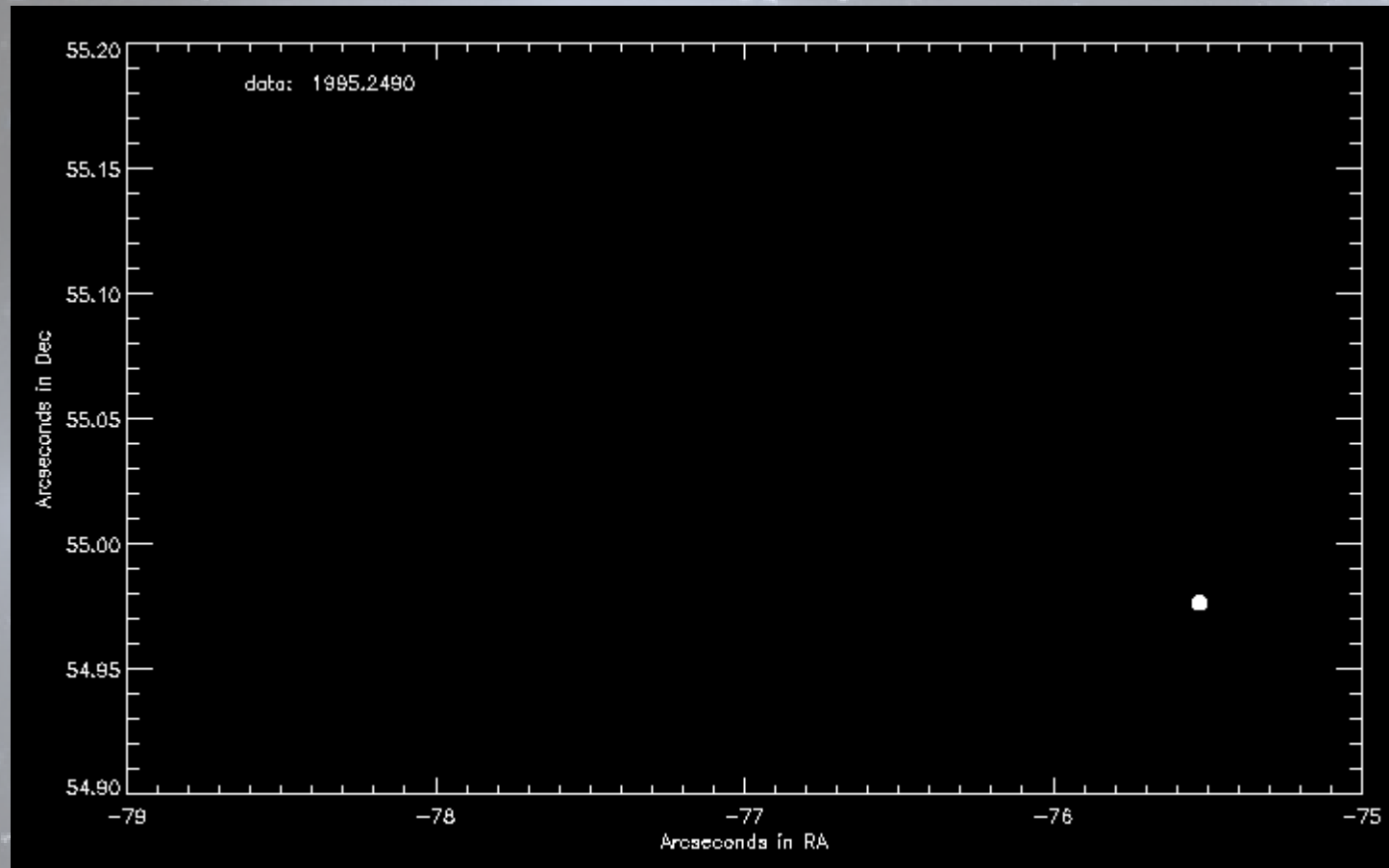
Observe in the summer

Observe in the winter

The “motion” is due to it's parallax.



Zoom

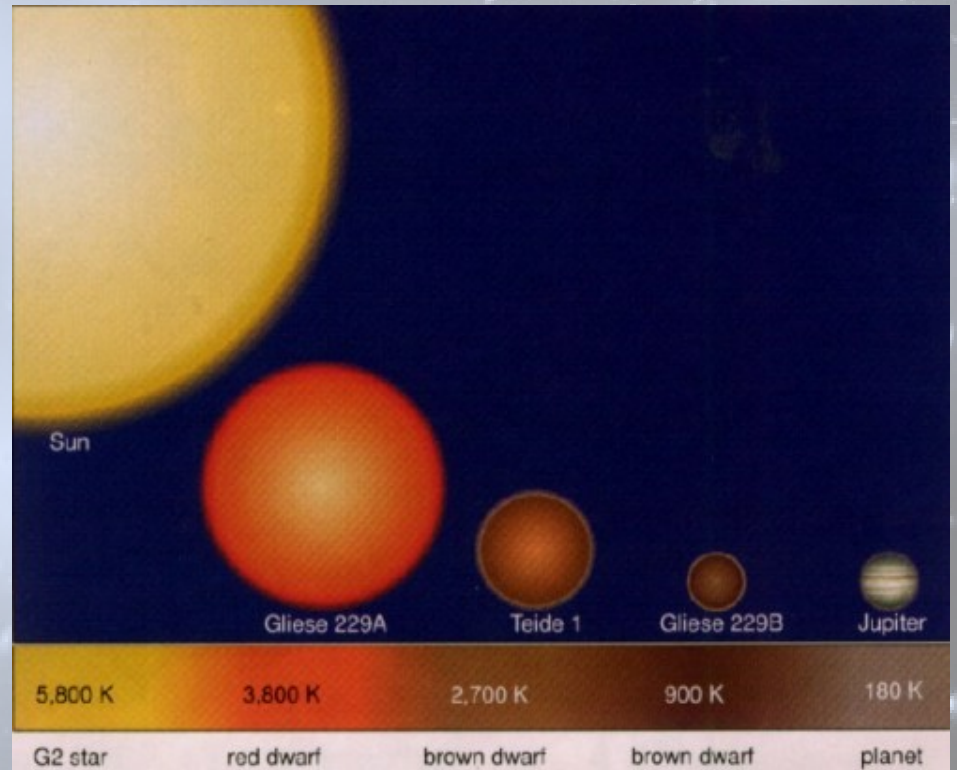


What do we look at?

Dwarfs

- Red
- White
- Brown

From stars to
planets



Telescopes



VLT
Chile

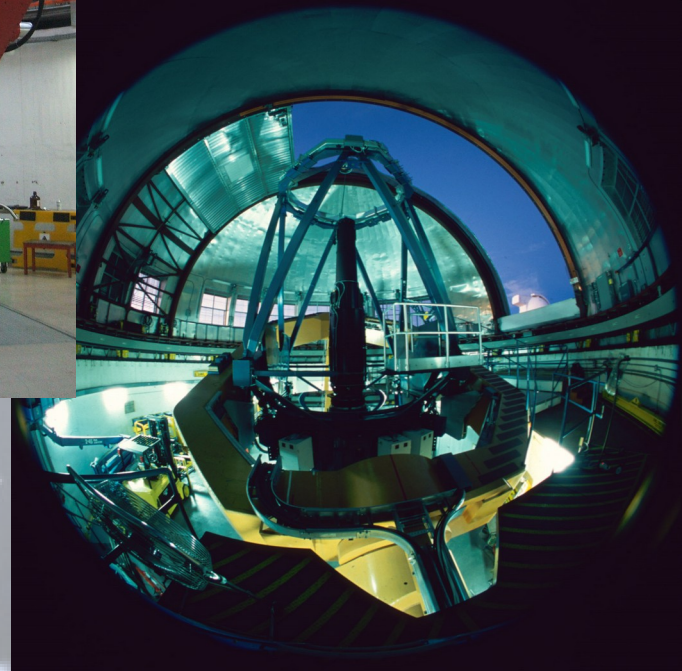


ESO2.2 Chile

UKIRT Hawaii



GTC
Spagna



What is there to do?

- Improvement of reduction pipeline
 - Analysis + Programming
- Homogenisation of published parallaxes
 - Basic statistics, cataloging, literature search
- Production of volume complete catalogs
 - Cataloging, using Gaia
- Exploitation of the L-Y dataset
 - Science, mass/luminosity function

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