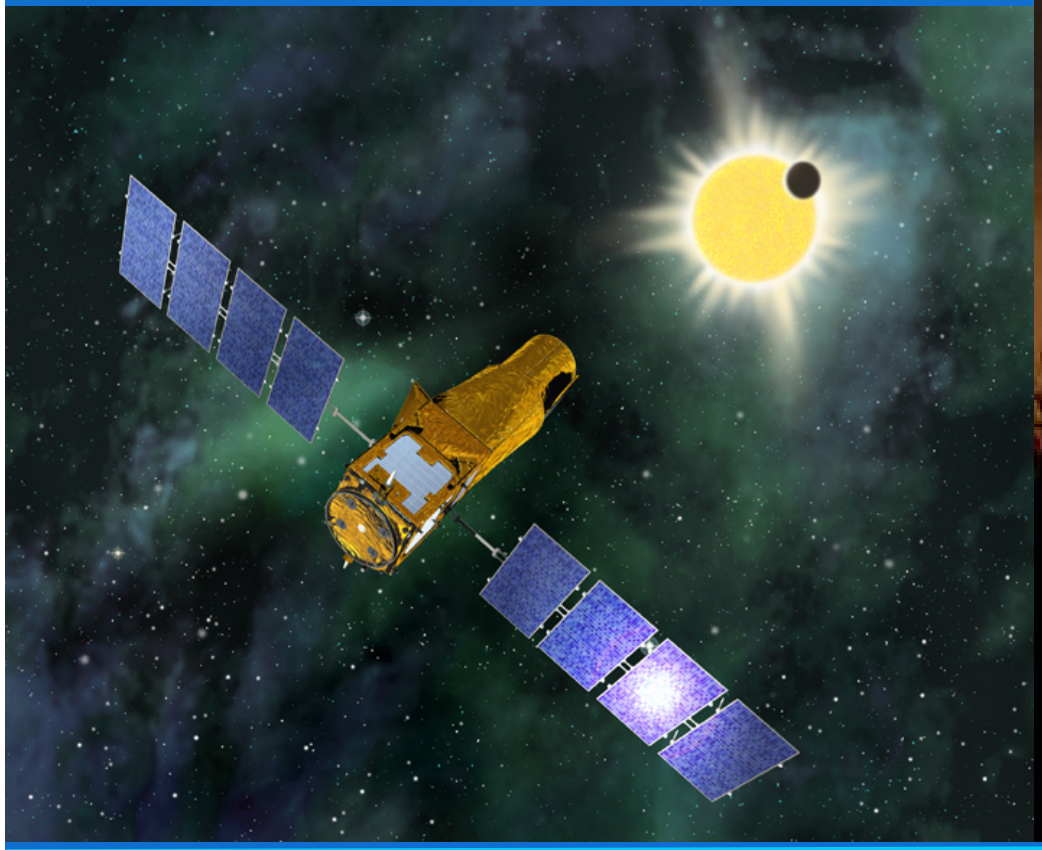
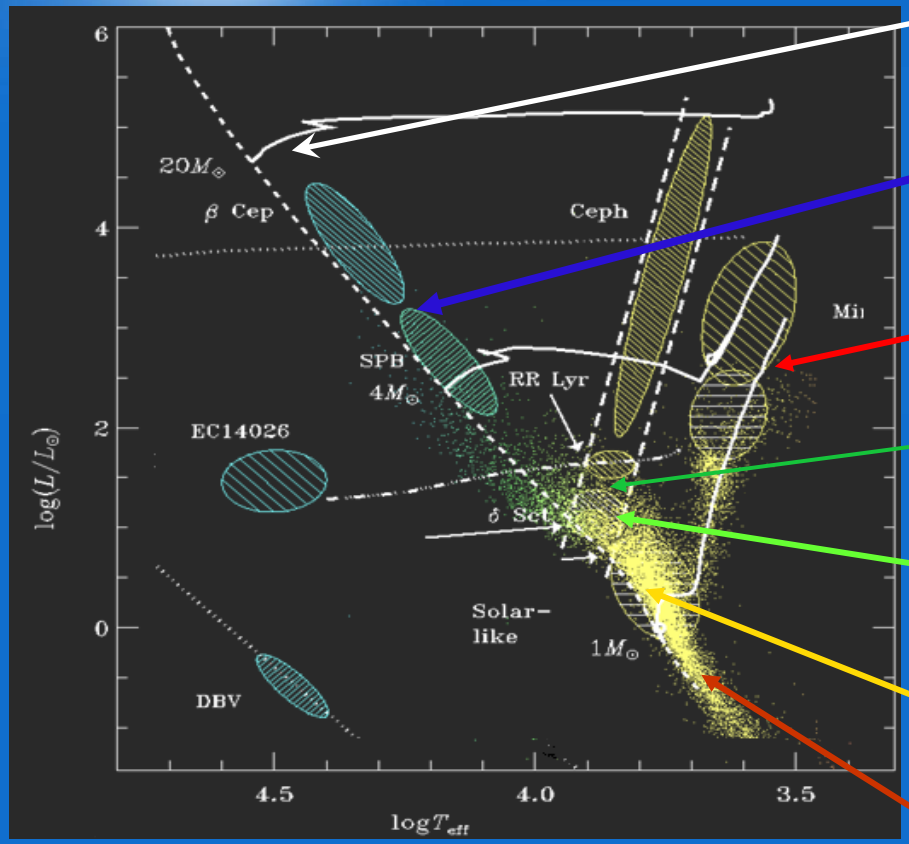
CoRoT Two: 2010 2012



Seismology, what is missing?



7 O

12 B stars,
1 β Ceph,
5 Be

10 giants (G,F)

7 δ Scuti,
2 known γ Dor +1

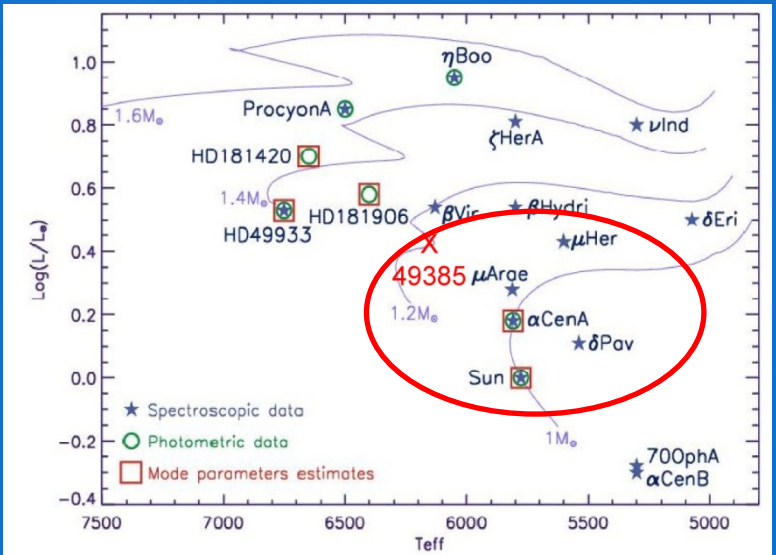
17 A/early F stars ?
3 Am, 7 Ap,

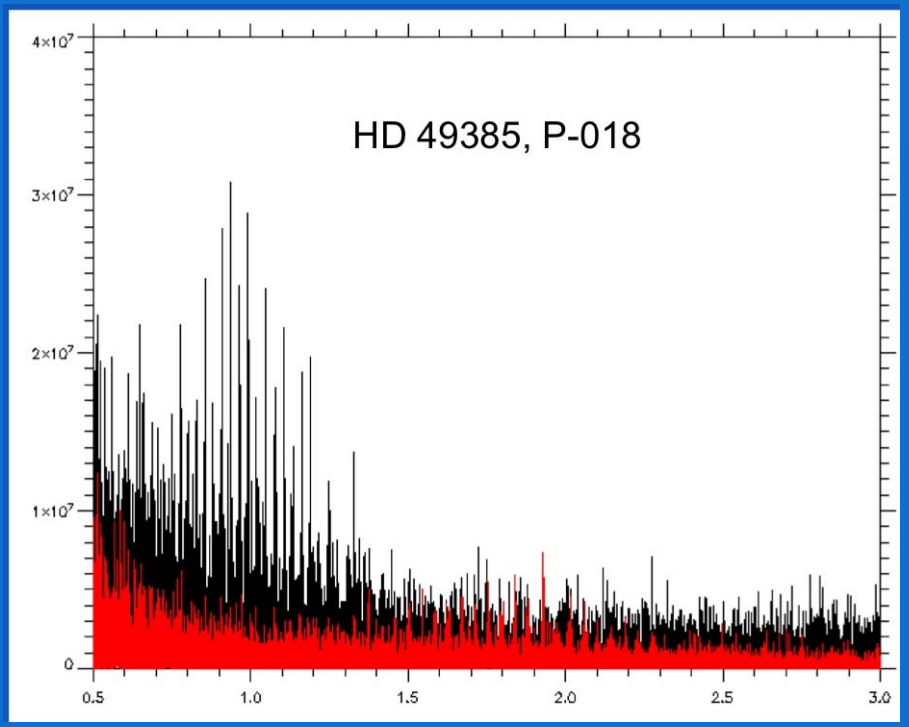
9 solar-like puls. cand.

(one observed twice)

3 KM ?

Towards cooler Solar like stars

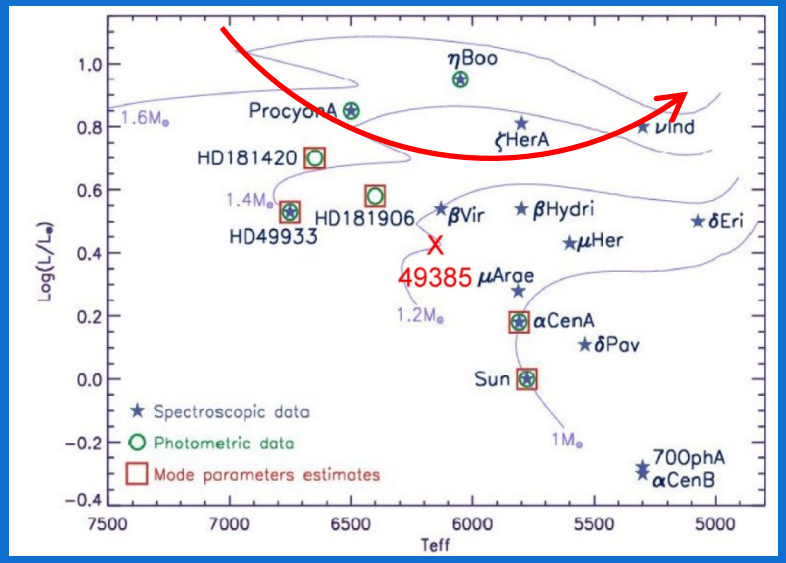




175726 on a long run (P-II-014)

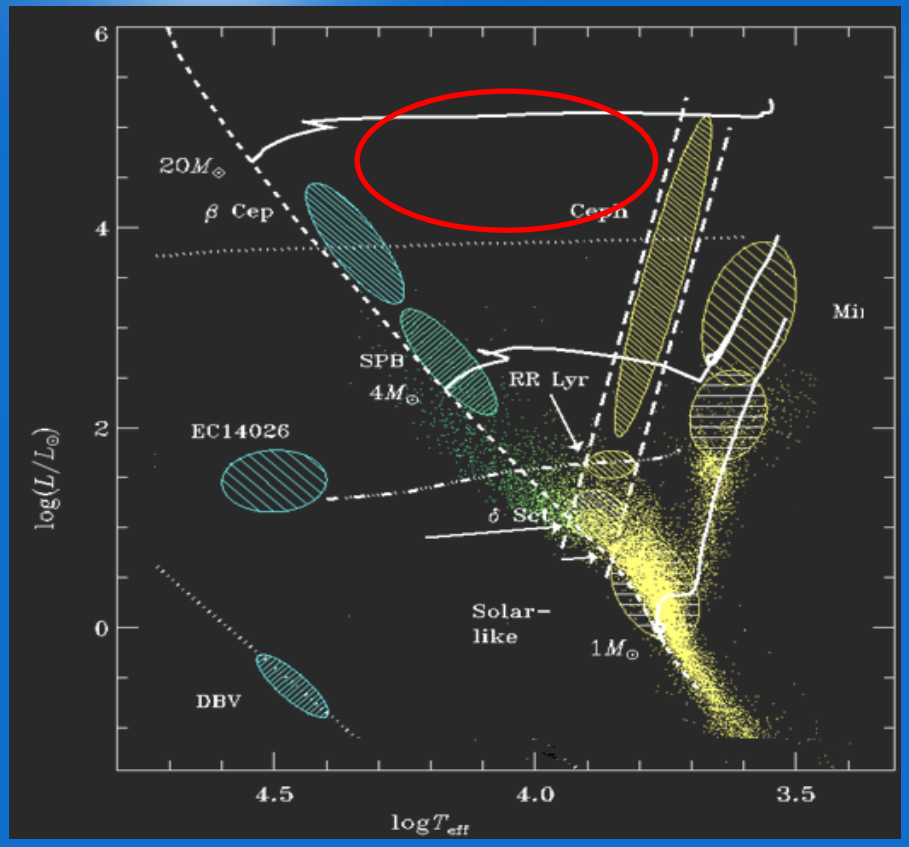
Few other candidates in the eyes

Subgiants?



HD 57006 ?

Blue supergiants



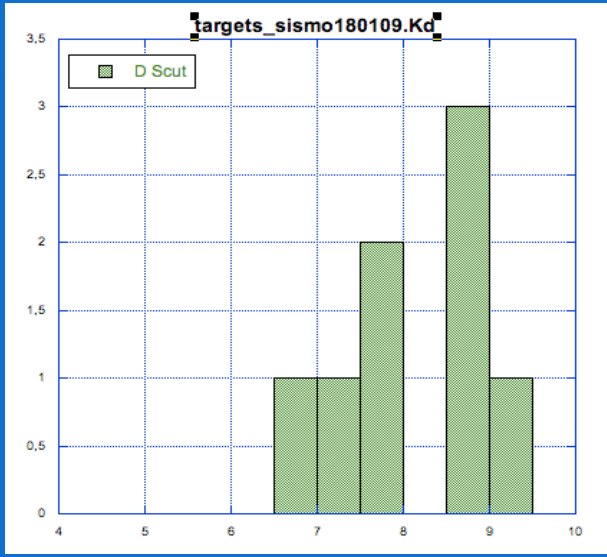
Evolved massive stars with mass loss
Already observed from the ground

HD 52382 B1Ib

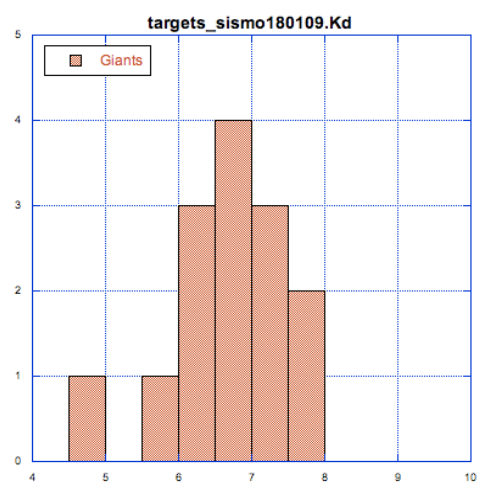
HD 51360 B7 III

Increase the statistics of some classes

Opacity driven pulsators

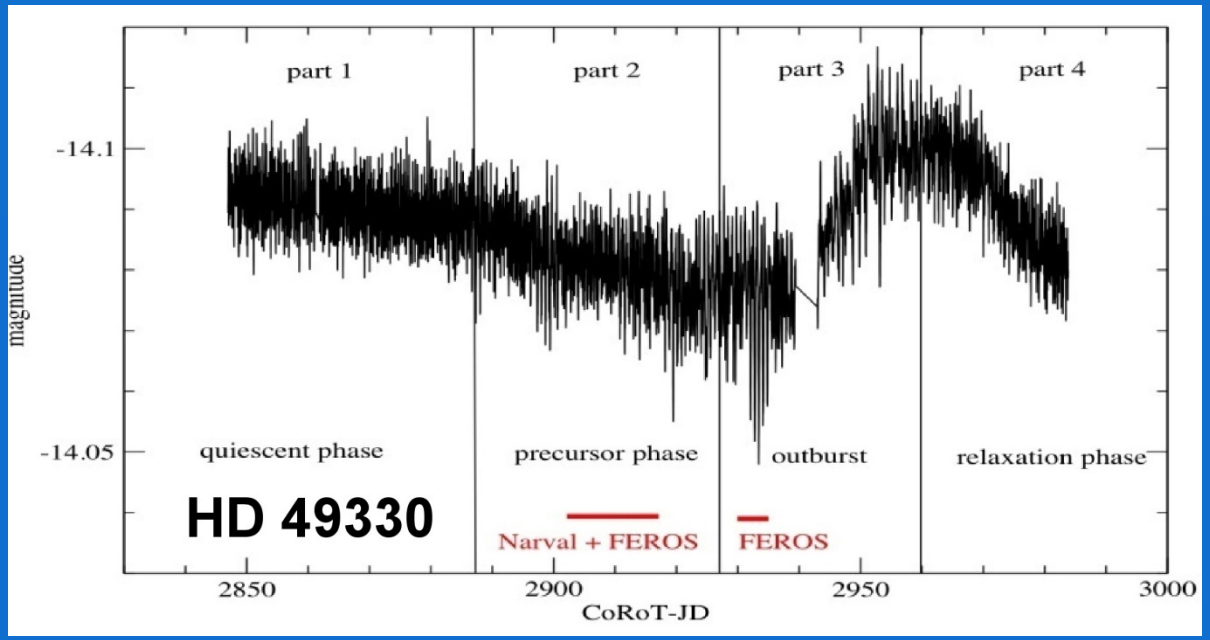


Giants



Reobserve promissing objects

Be star with burst !



The exoplanet hunting

First results on 2 LR and 1 SR ?:

Hot jupiters with extreme properties

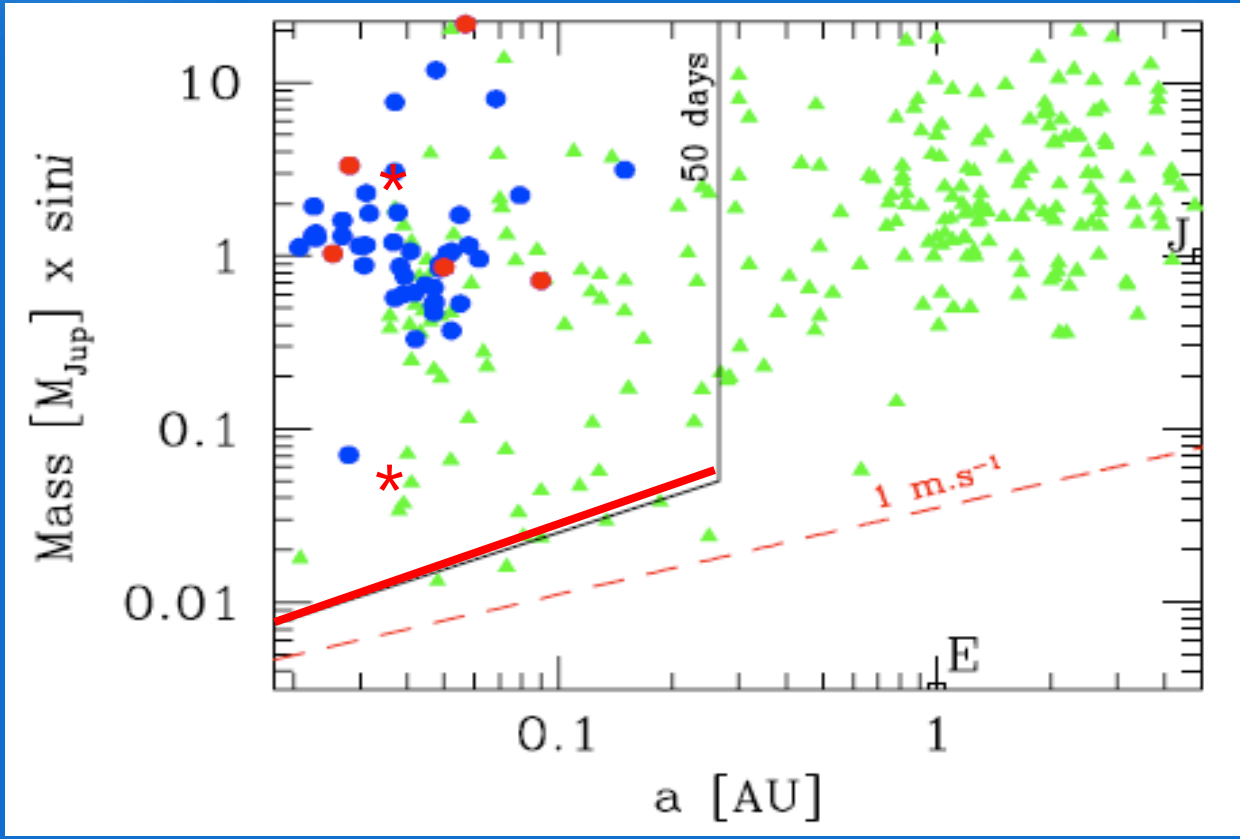
A very small Sper-Earth (R~1.7 Rearth)

No Neptunes

No Jupiters in faint stars

Increase the statistics in the present domain

Observe new fields, well selected



More jupiters, large masses,

large radii,

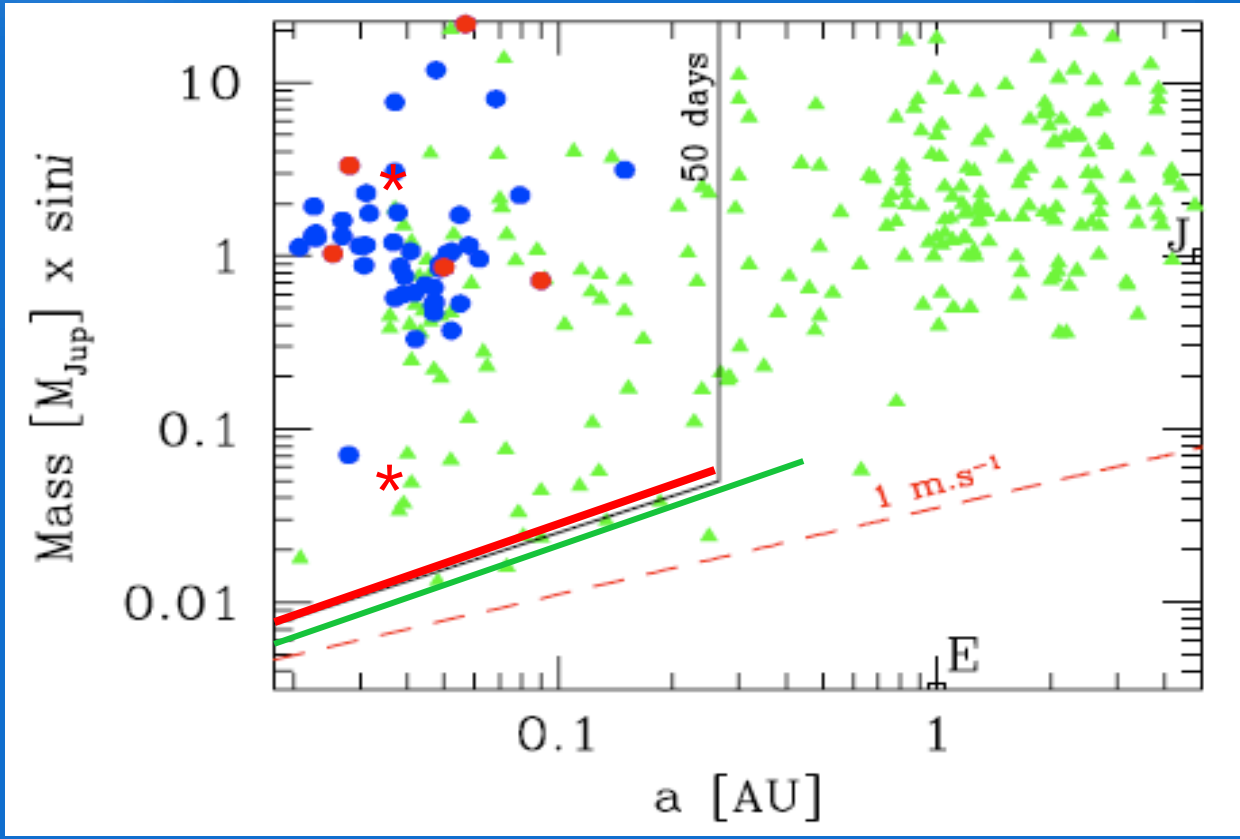
different host stars

A few more small ones

Neptunes?

Are 150 days needed,
or are 80 days sufficient?

Extend the present domain



Reobserve the same field

2 or 3 times

Increase the S/N

for very small planets

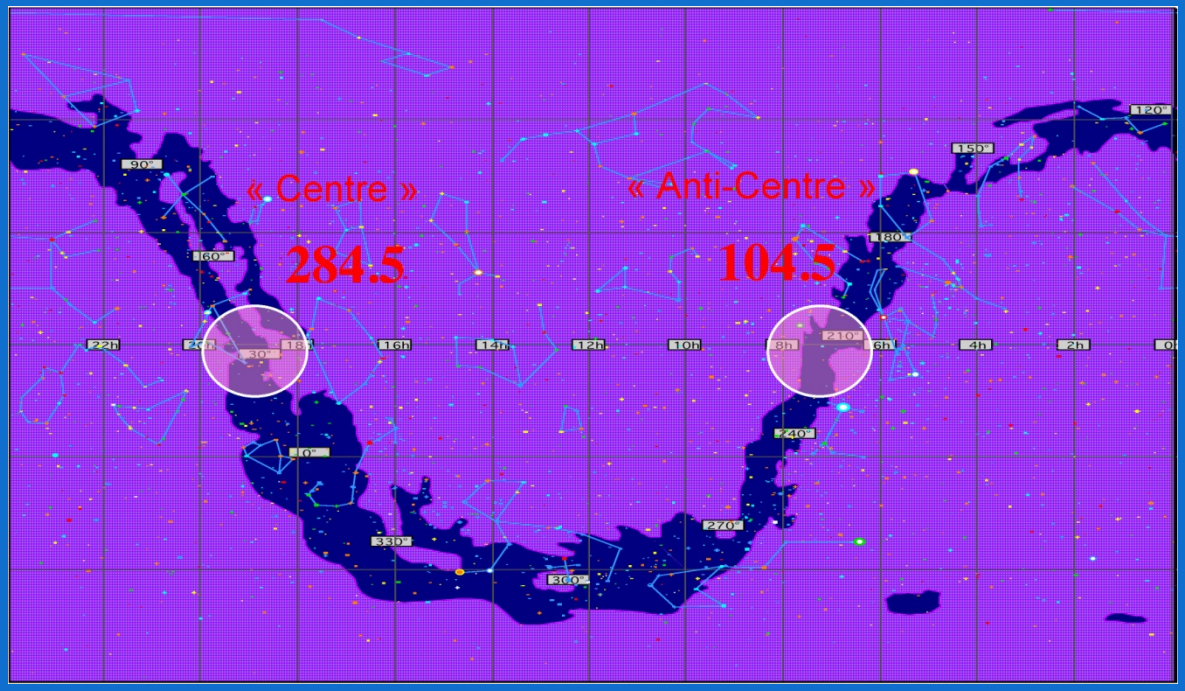
Better sensitivity

to longer periods

A possible scenario

Reobserve the same field optimised for the exoplanet programme
2 or 3 times in one eye

Observe new fields (3 LR and 3 SR?, or intermediate) optimised for seismology
in the other eye



Still a lot of debates !

Any idea welcome!