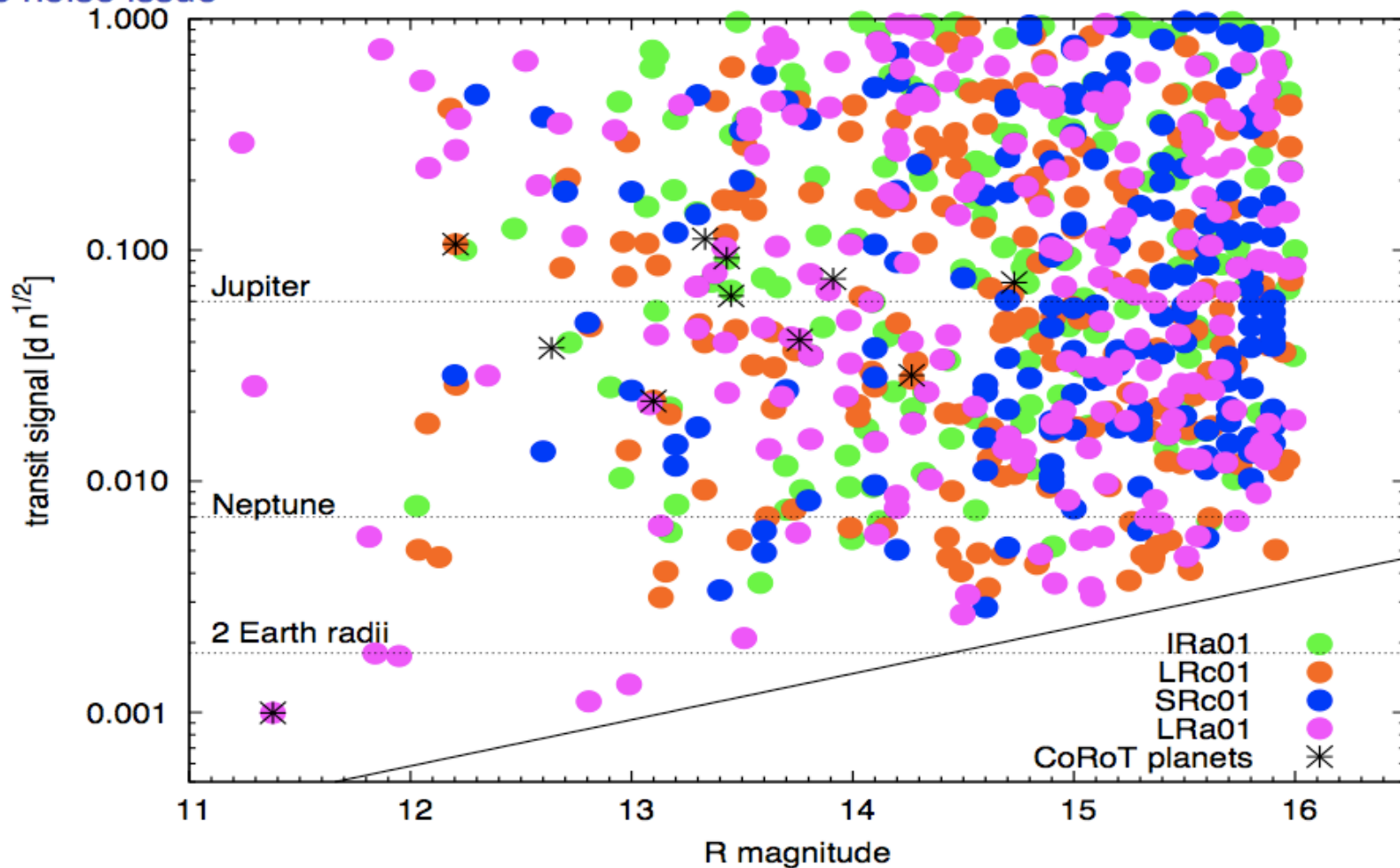


run duration Exo

- objectives:
 - increase planet statistics
 - remain sensitive to Neptunes/super-Earthes
 - get planets with “long” periods ($\gg 10d$)
- nominal: 4 runs of ~ 85 days in fields containing >3000 dwarfs
- 5 runs of ~ 65 days : greater statistics but critical loss in parameters' accuracy (period, radius, inclination, ephemeris)

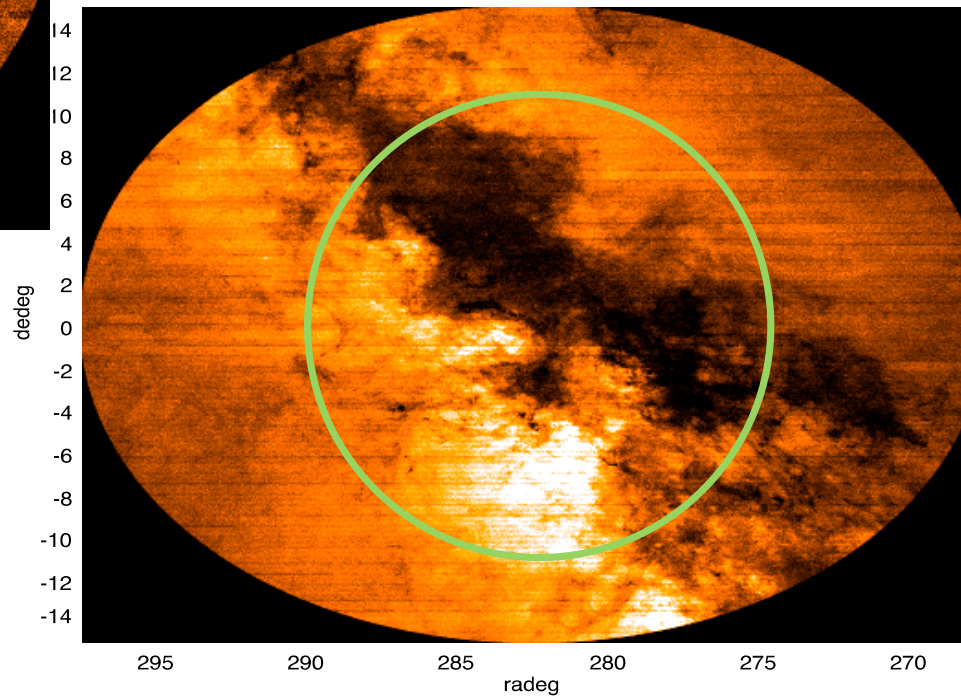
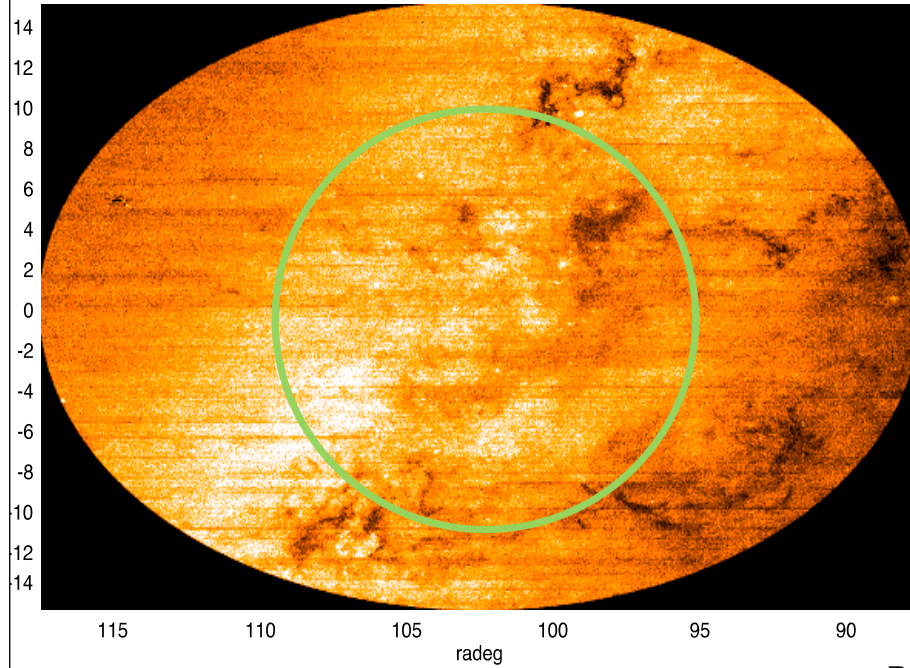
the noise issue



we are finding 1) ~same number of candidates in shorter runs (but no planet), 2) smaller candidates in longer runs (DLR team)

stellar population is an issue
anticentre fields are OK
center fields are rarely OK

CMC14 - Anticentre

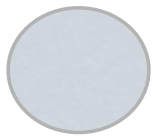


anticenter: better stellar population (~60% dw)
 btw 800 and 1400 dw $r < 14$ per CCD

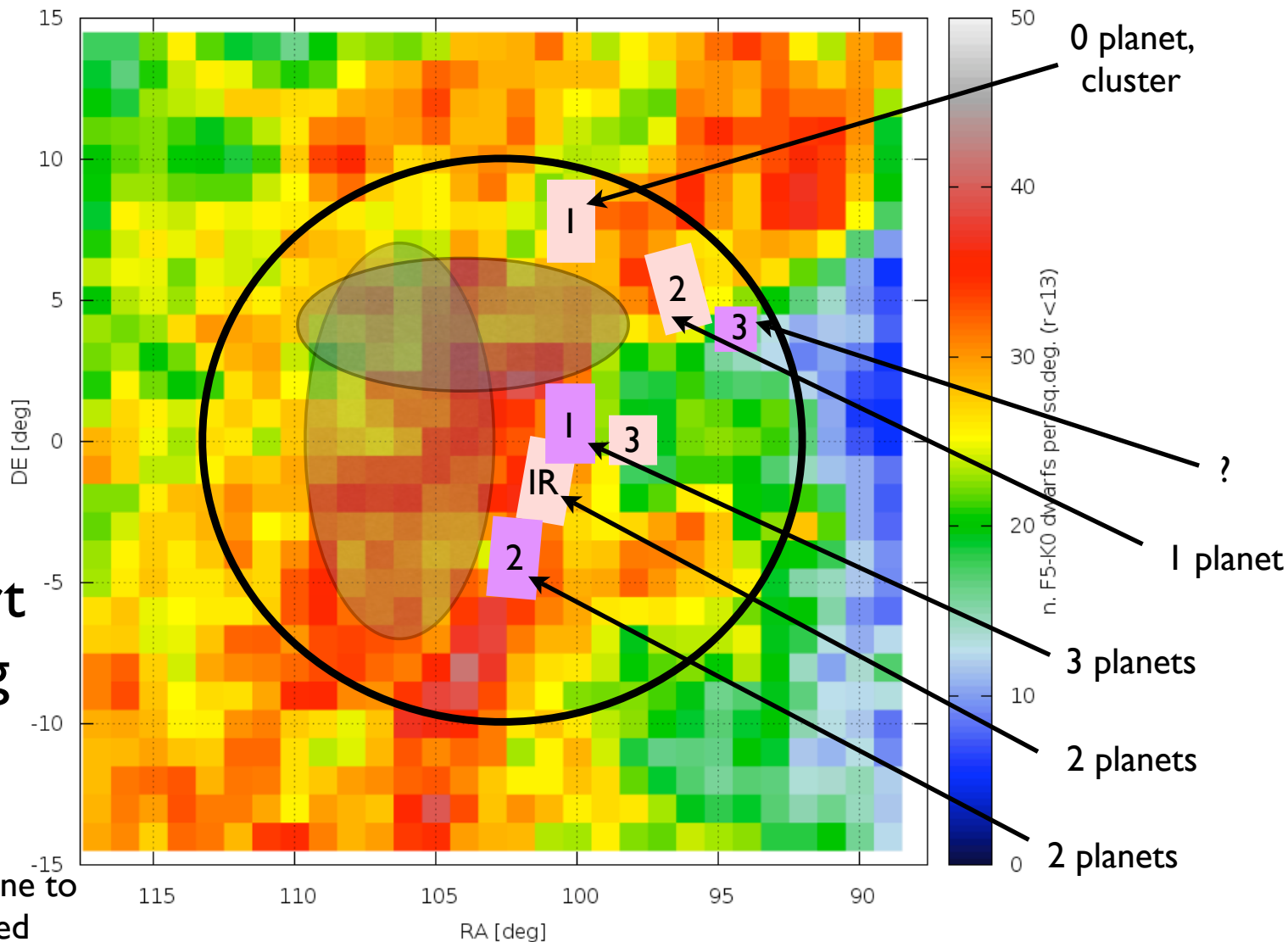
Anti-Center

10°
radius
circle

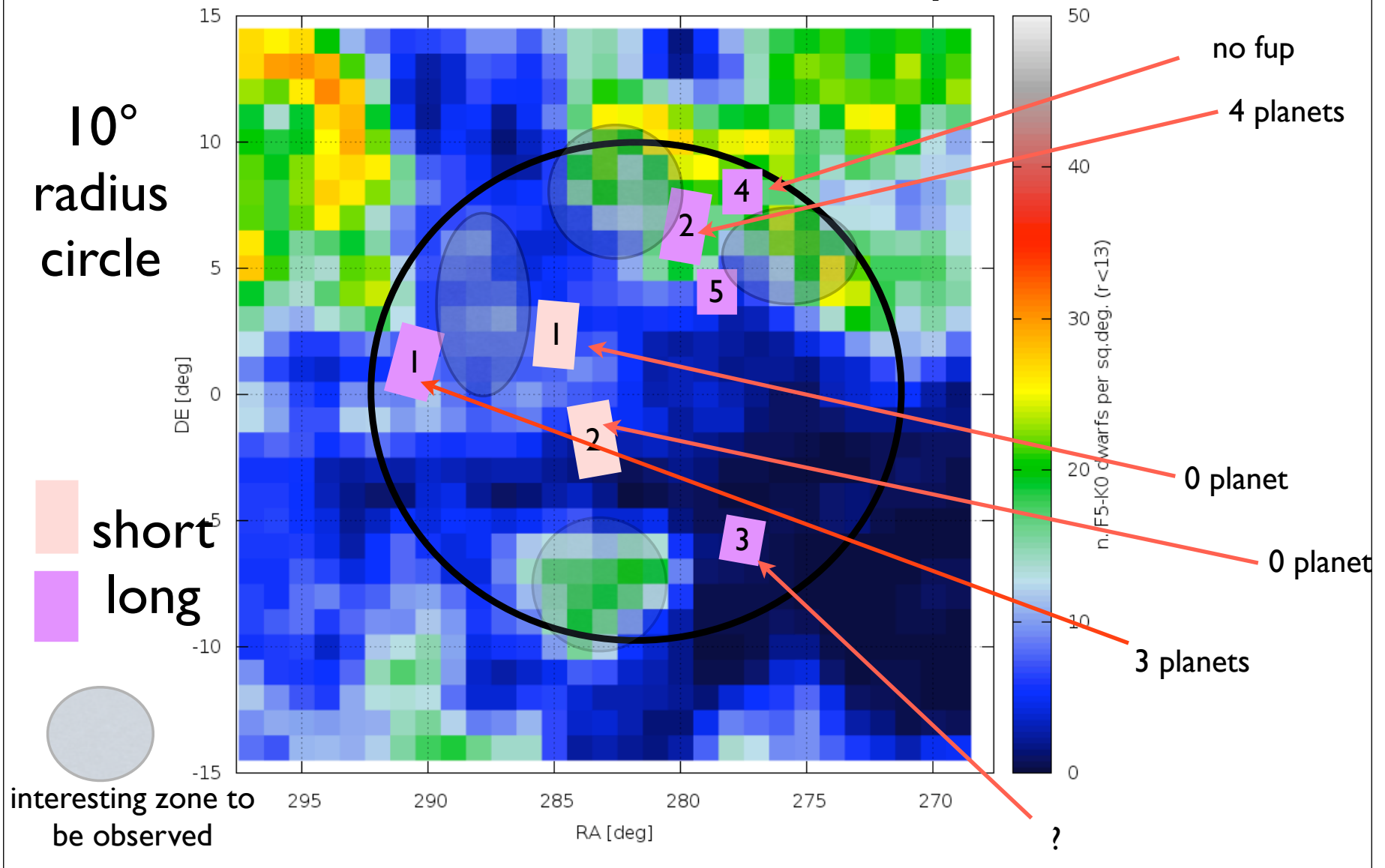
short
long



interesting zone to
be observed



center: only $\sim 40\%$ dwarfs, sometimes 25%
 btw 250 and 1120 dw $r < 14$ per CCD



come-back on specific targets

- revisit corot7 for mass determination + confirmation of 7c
- corot7: the smallest planet, +7c/d, very active, in LRa01: observe asap, a >50d run next winter + simultaneous harps
- revisit corot9: check for TTVs (never done) with long baselines: other planets and satellites (potential moon in the habitable zone)
- corot9: longest P, in LRc02, ideal is several 5d visits during summers (2-3?)
- interesting target on an imagette: optimize phot