

Gaia-NCCS match

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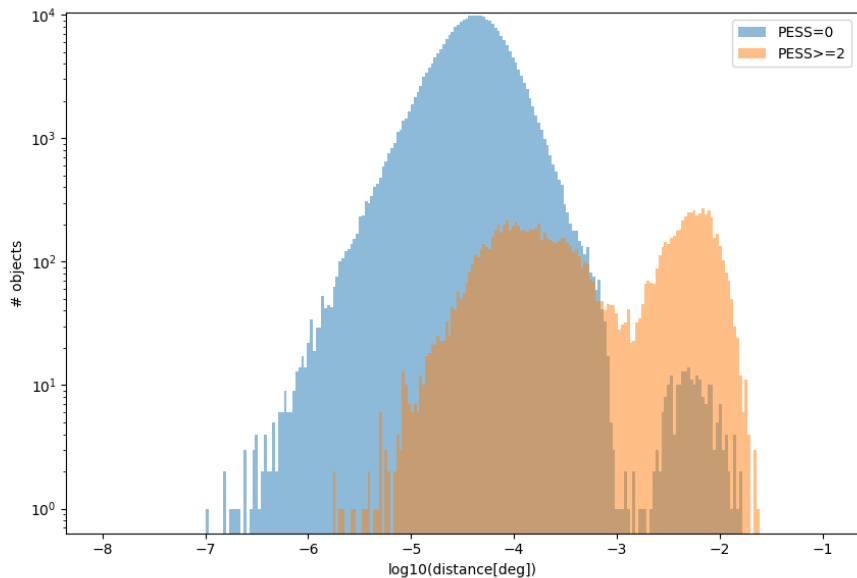
IJCLAB

22/12/21 Tianlai zoom

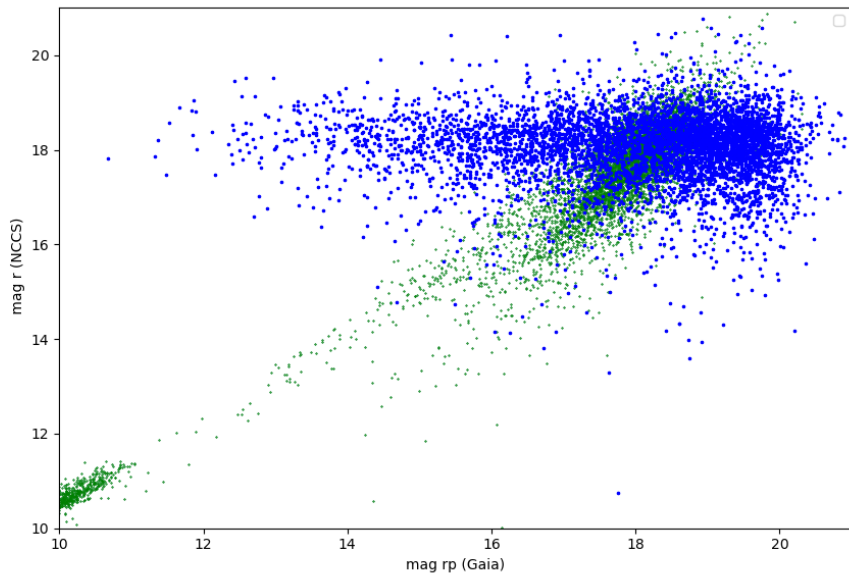
Overview

- on gaia archive extract id,ra (epoch 2016),dec,gmag,bpmag,rpmag for dec>80 deg
- matched with NCCS 'cleaned' catalog (epoch 2000)
- in NCCS : select dec>84 deg,g and r<19.2
- look for nearest gaia star for each NCCS object
- first plot : compare distance (after precession) for p_{ess}=0 (blue) and p_{ess}≥2 (orange, 'extended' according to NCCS)
- second plot : for p_{ess}≥2 mag r nccs vs gaia :
blue = dist > 10⁻³ deg (nccs quoted astrometry accuracy 0.15 arcsec ~ 4.10⁻⁵ deg)
green = other sources
- third plot for p_{ess}=0 mag r nccs vs gaia

Distances



magnitudes (PESS \geq 2)



magnitudes (PESS=0)

