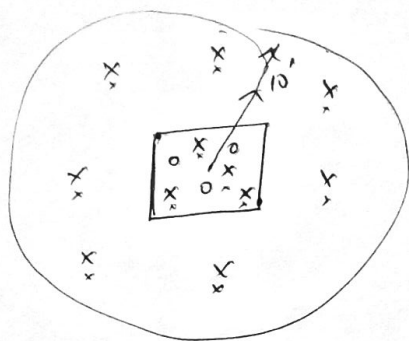further —
add part for STARS NOW.



x — Galaxy
x → Ra final / Dec final value (in database)

o → star

take Ra final & Dec final values
for a pixel within 10' search radius

1.  $\Delta RA = RA_{epoch}^{galaxy} - RA_{final} \xrightarrow{in} search radius$

2.  $RA_{\substack{epoch \\ final}}^{star} = RA_{epoch}^{star} - \Delta RA \xrightarrow{in} pixel$

3.  $\overline{MJD} = Median\,(MJD\,epoch)$

this will give positions of stars (RA, dec) for (four/five) epochs.
alongwith a median value for each epoch.

One Way — repeat everything

Other way — while down loading data for galaxies, download with stars.
— Calc Median & residuals also stores ① original ra/dec values
② save mjd median values
— put them in the database: so that for stars we only
query the database which we have stored.

↳ No point storing so much data.
you should redo all the code — does not take long
plus you need to store ra/dec final for all the galaxies first
then redo pixelisation and search radius thing again for
stars !