

12/5/2015

* 'Object' - RA_1, RA_2, RA_3, RA_4

- Calculate Median $\bar{RA} = \text{MED}(RA_i)$

Residuals. $\Delta RA_i = \bar{RA} - RA_i$

* for all galaxies.

$$\Delta RA_i^k$$

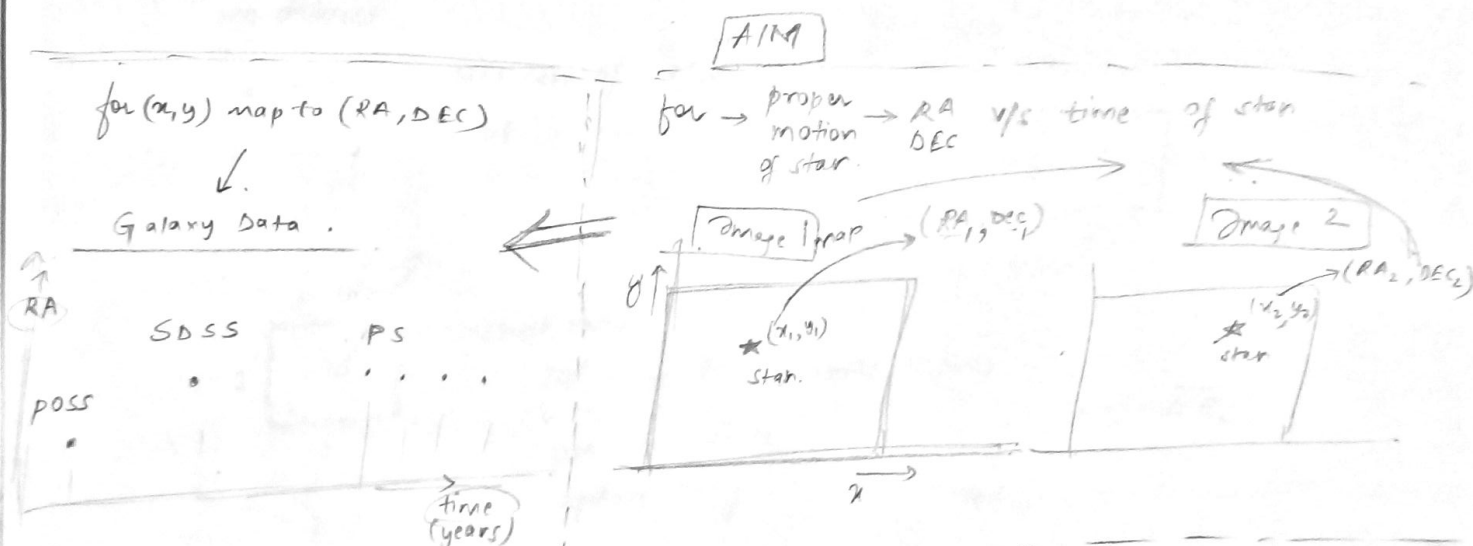
Index.
 $\begin{cases} i - \text{year} \\ k - \text{galaxy} \end{cases}$

* for all galaxies for every year. $\Delta \bar{RA}_i = \text{MED}(\Delta RA_i)$

* final/updated RA for all galaxies

$$RA_{\text{New } i}^k = RA_i^k - \Delta \bar{RA}_i$$

$$\bar{RA}_{\text{New}}^k = \text{MED}(RA_{\text{New } i}^k)$$



Galaxies don't move.
 they are far away.
 almost fixed.

so you can use galaxies as references.

Galaxy data

diff years
 diff surveys

we have offsets - have to bring them all together.
 wrt each other.

Per stars — data for 4 years. \Rightarrow 4 datapoints for each object.

\Downarrow reduce to
 1 datapoint for each object