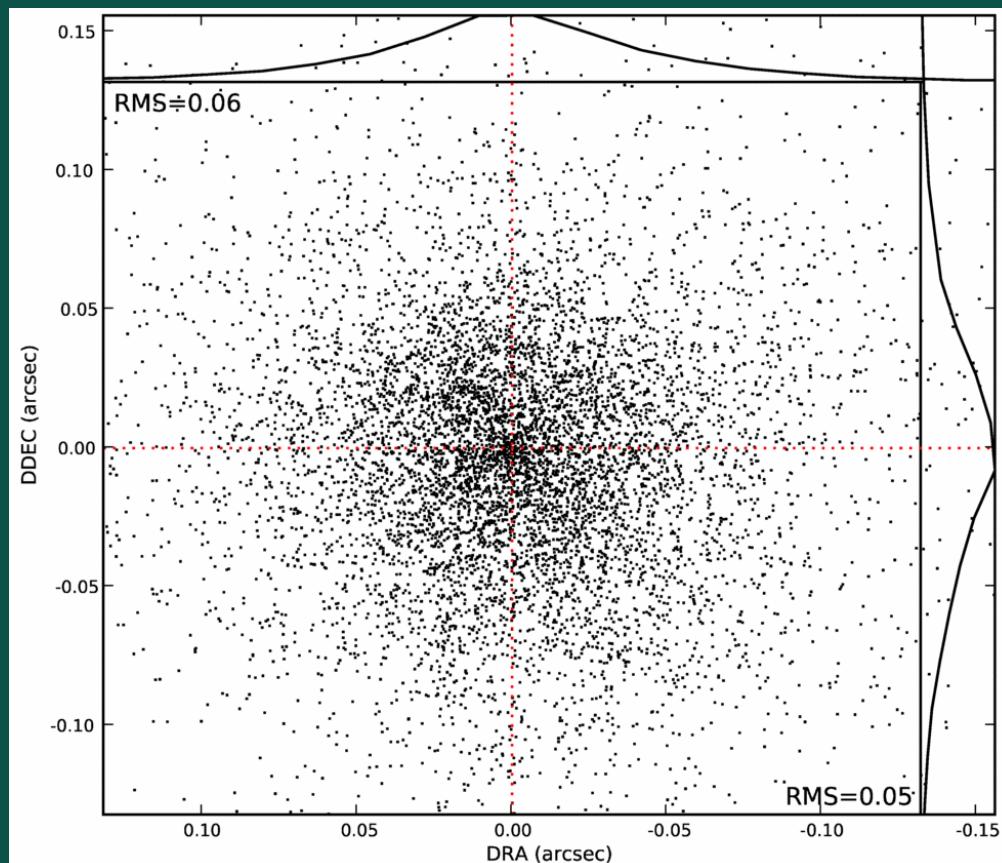
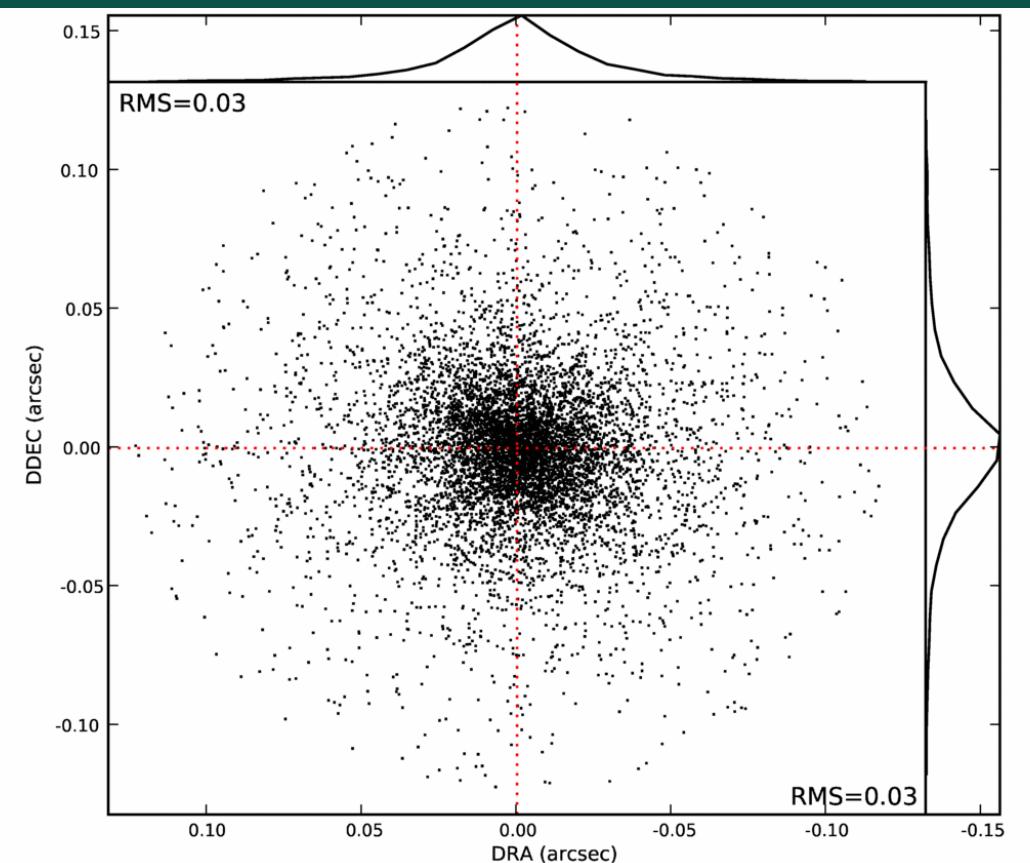


Astrometry in Astro-WISE

Astro-WISE Global Astrometry at Work

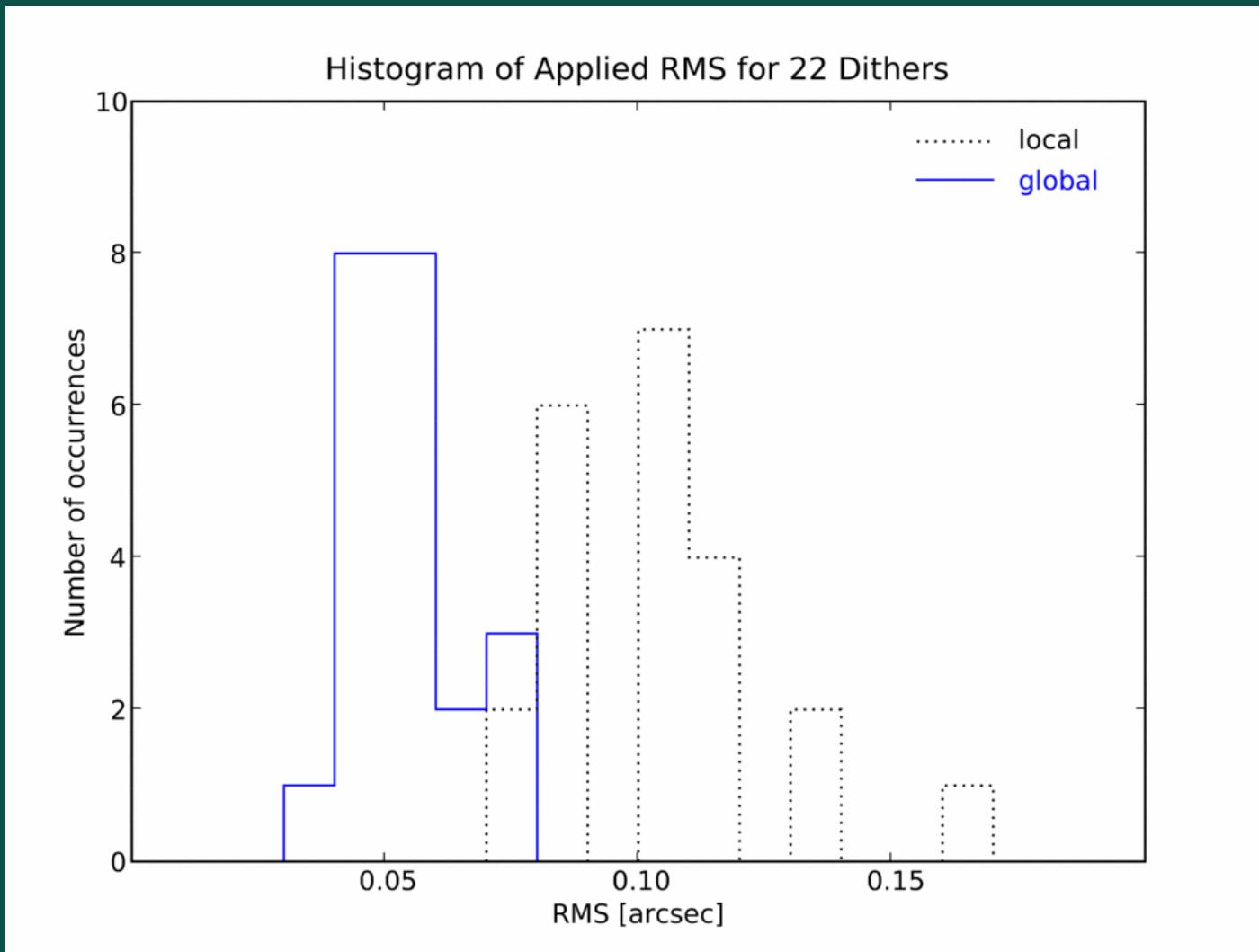


Local



Global

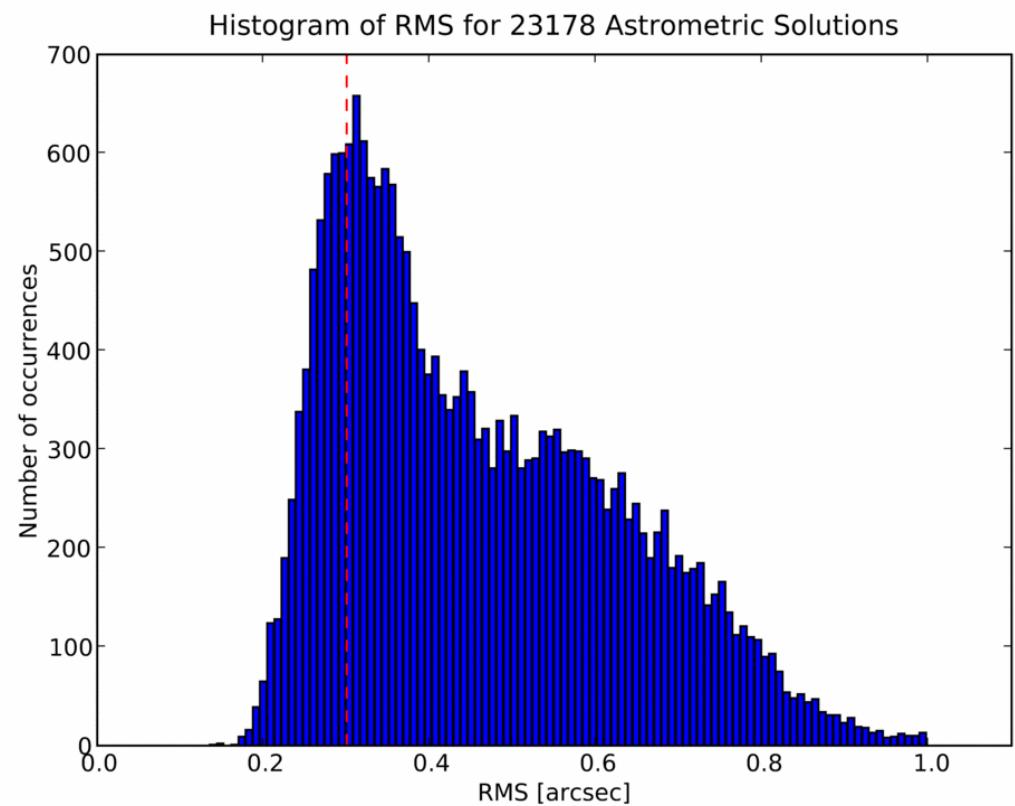
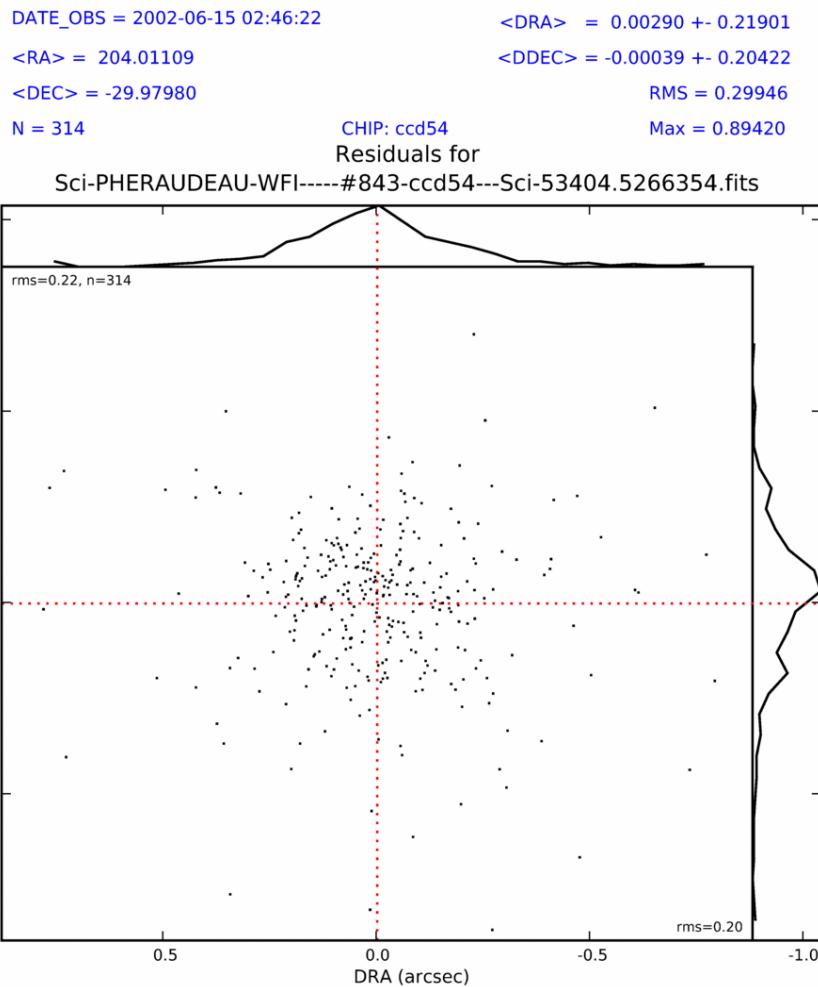
Improvement



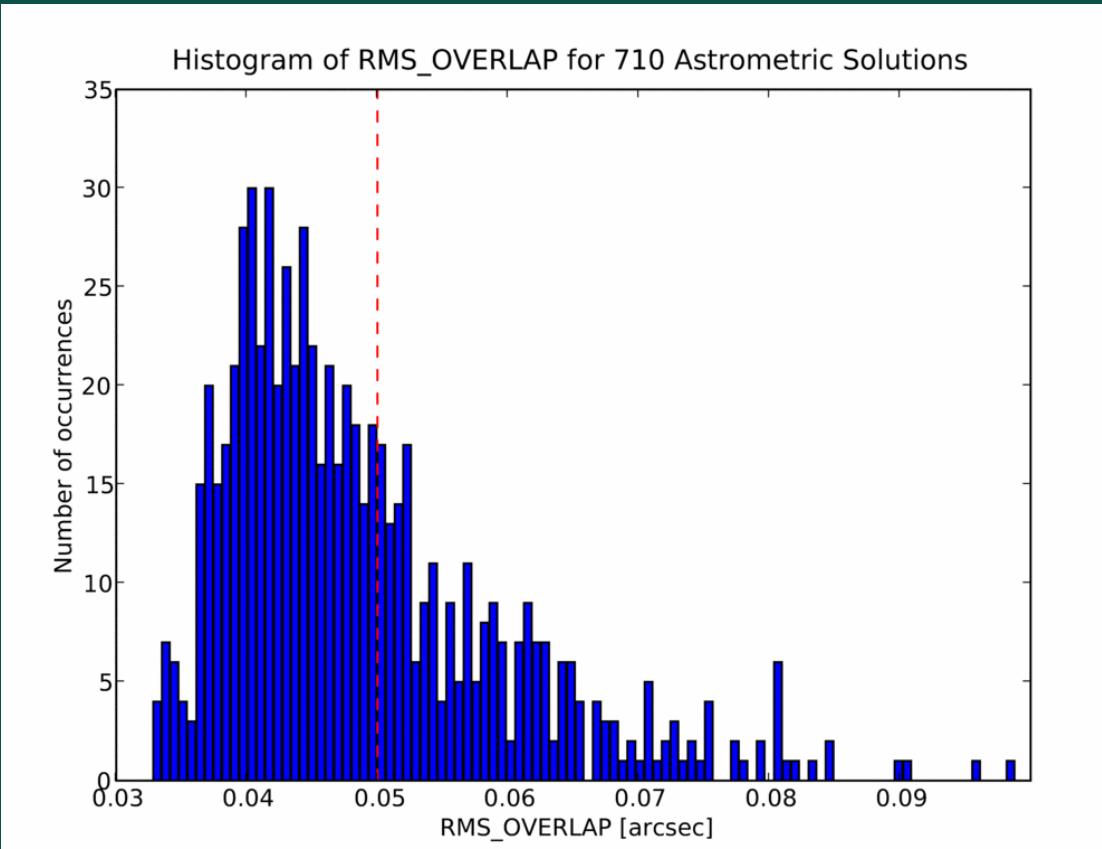
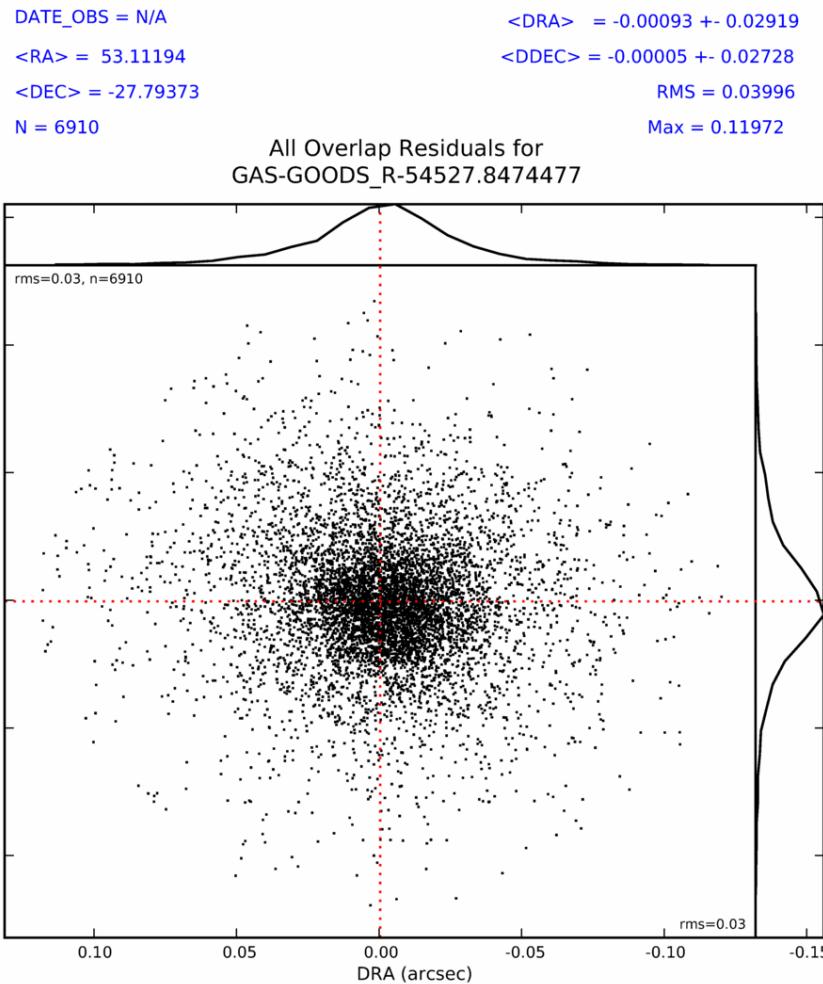
Astrometry in Astro-WISE

- Astrometry in AW works!
 - “bugs” in LDAC and the Python layer fixed
 - new applied inspection methods created
- Fixed focal-plane geometry
 - closely matched alt-az minimizes differences in higher order distortion
 - higher order terms can compensate, but not default (data dependent)

Local Astrometry



Global Astrometry



Inspections

- `AstrometricParameters.inspect()`
- `AstrometricParameters.plot_residuals_to_usno()`
- `AstrometricParameters.plot_residuals_to_regrid()`
- `GAstrometric.inspect()`
- `CoaddedRegriddedFrame.plot_regrid_residuals()`
- `BaseFrame.inspect(compare=True)`

Documentation

- On-line HOW-TOs and Manual
 - HOW-TO Derive an Astrometric Solution
 - HOW-TO Create Global Astrometric SourceLists
 - HOW-TO Derive a Global Astrometric Solution
 - HOW-TO Inspect an Astrometric Solution*
 - HOW-TO Troubleshoot an Astrometric Solution*
- Report on Astrometry in Astro-WISE

Reprocess!

- Command-line (manual)
 - AstrometricParametersTask
 - GastrometricTask
- TargetProcessor (automatic)
 - all previous versions outdated
 - use after new astrometry release is in AWBASE

AstrometricParameters (flagged)	
Details	
Name	Value
type	AstrometricParameters
chip	ccd50
filter	#844
quality	136
is_valid	1
creation	06 Mar 2008 18:23:19
parameter	process_params.SOURCE_CODE_VERSION, value 1 (!= 2)
rebuild dependency	ReducedScienceFrame (30 Mar 2000 02:50:08)

