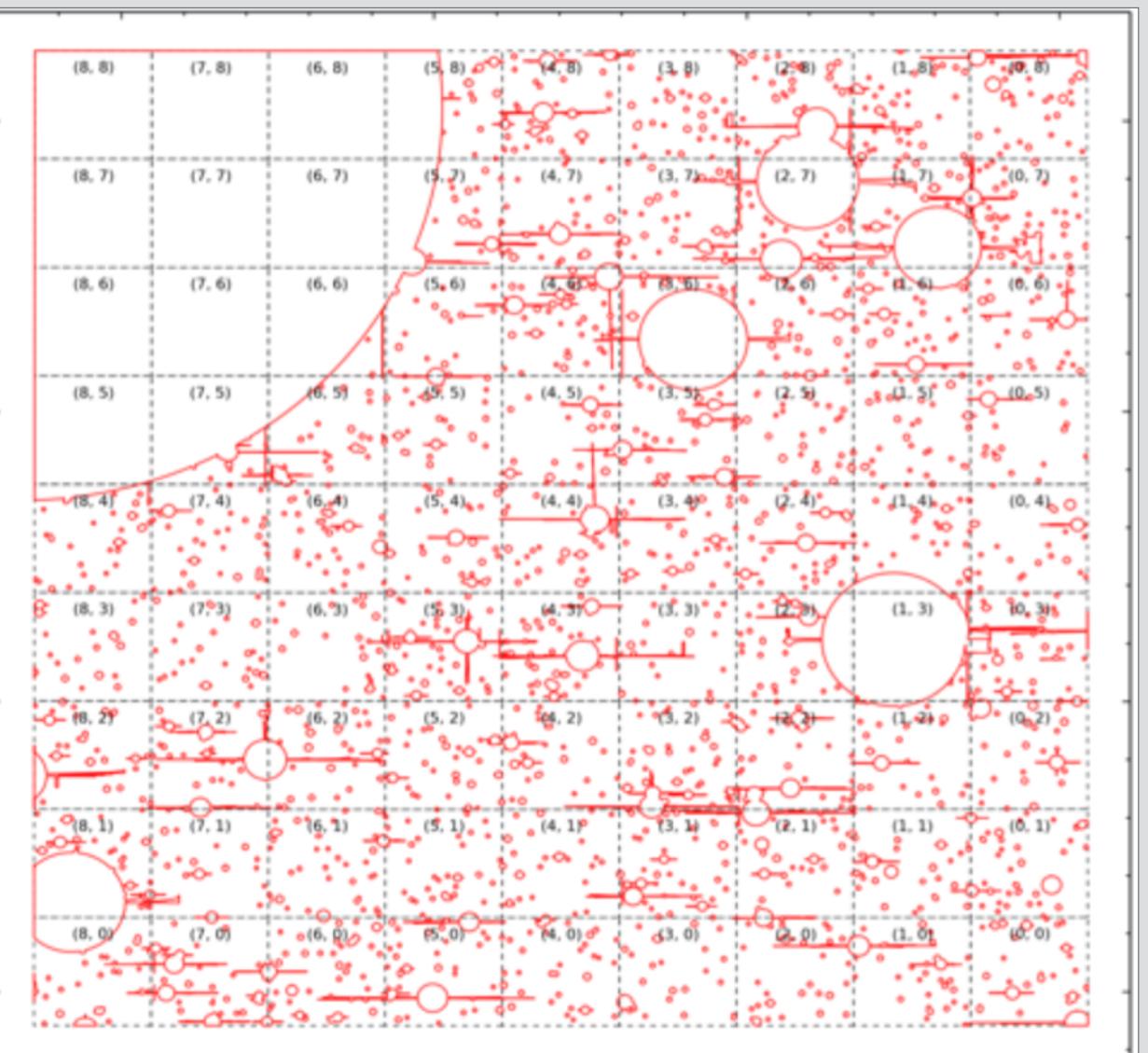


Input Catalog

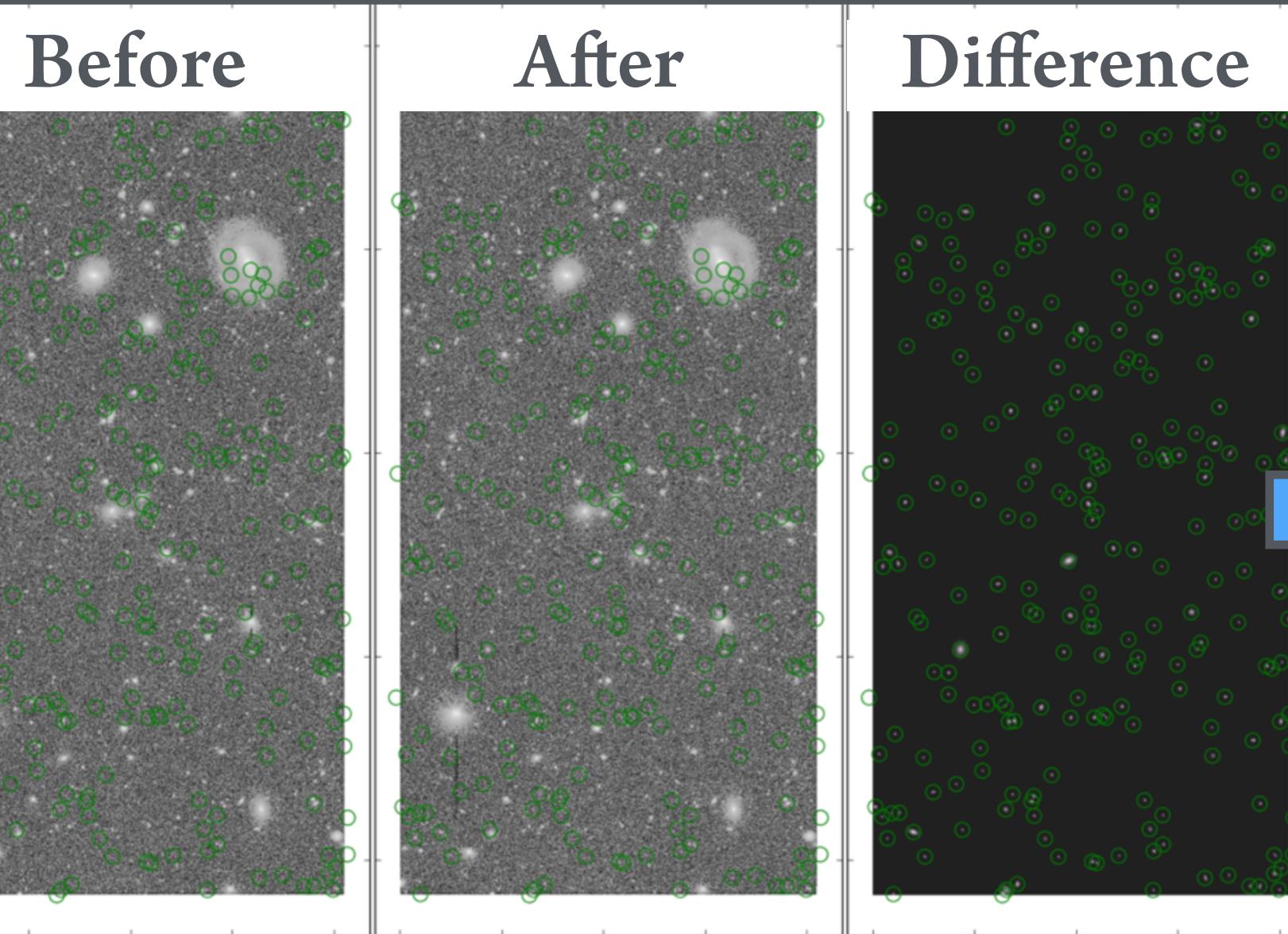
- Coordinates: **RA, Dec**
- Parameters for Synthetic Objects:
 - Star: **Magnitude**
 - Galaxy: **Magnitude, Size, Shape, Sersic index, et al.**
- [Optional] Additional Shear

Additional Information

- Data Products: **Tract; Visits**
- [Optional] Additional Mask



ADDFAKE.PY: Put Synthetic Objects on Single Visit Images



Green Circles: Locations of Synthetic Objects

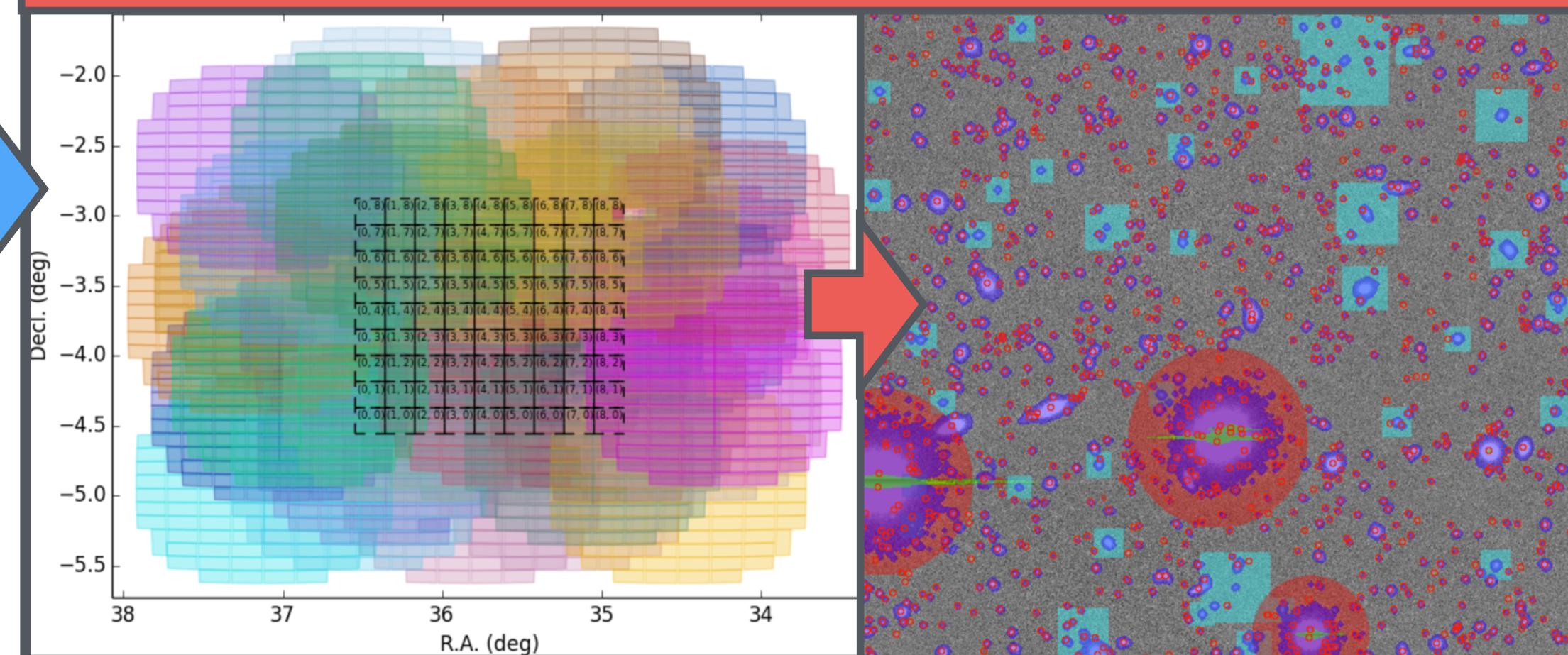
Calibrated Single Frames

- Initial Astrometric Calibration
- Models for Point Spread Function (PSF)
- Initial Photometric Calibration
- Models for Background

Information from Joint Calibration Process

- Improved Astrometric Calibration
- Improved Photometric Calibration

STACK.PY: Create Coadd Images



MULTIBAND.PY: Multi-band Measurements

Match with the Input Catalogs

Output Catalogs for Synthetic Objects