WISE Operations MMR

IPAC/WSDS Weekly Status Report

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Multiframe (coadd) pipeline testing

- Testing/tuning of multi-frame pipeline to support preliminary release ongoing
- Analysis of impacts from SAA ongoing
- Artifact Identification (ARTID) analysis for coadds and software in progress
- Atlas Image coadds at a range of ecliptic latitudes were made to support ARTID and prelim release testing — PTO for example
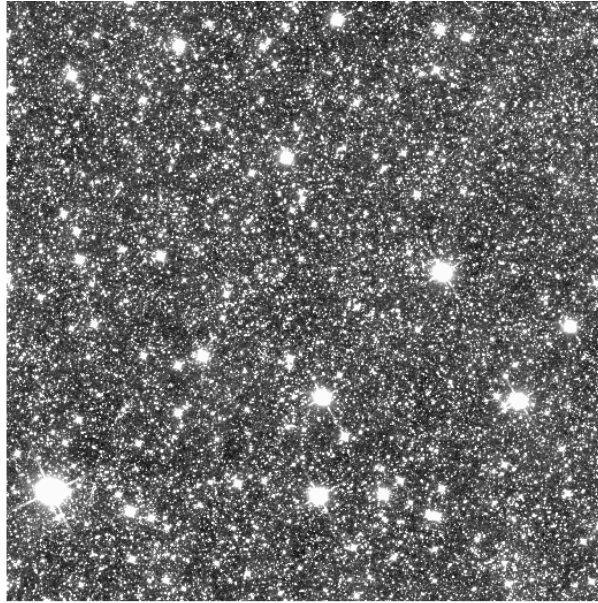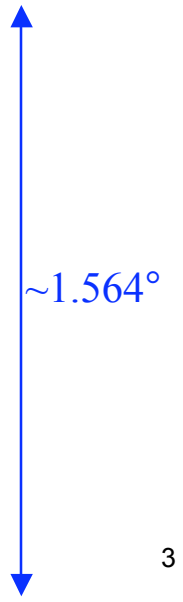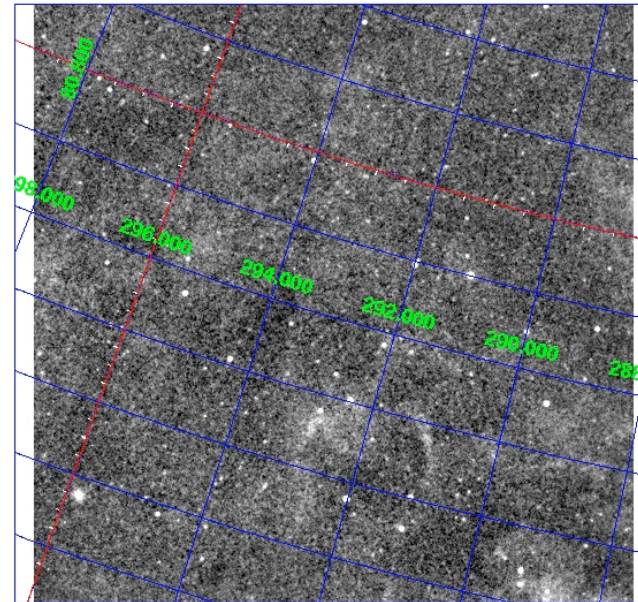
Atlas Images at elat = 80°, glat ~ 25°

W1

W2

W3

W4

~1.564°

3

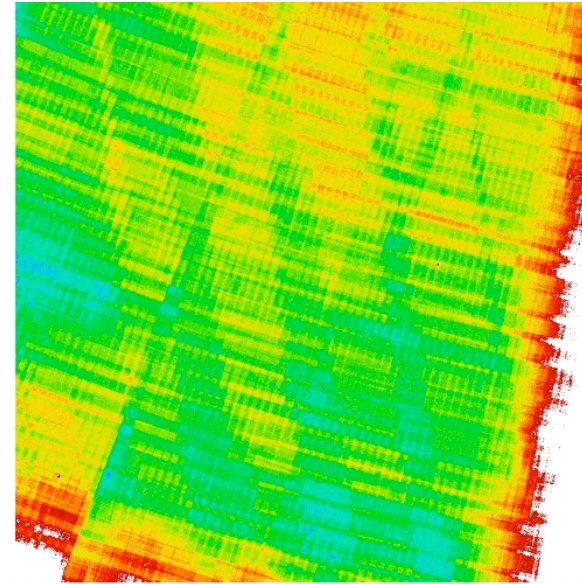# Depth-of-coverage maps for this example
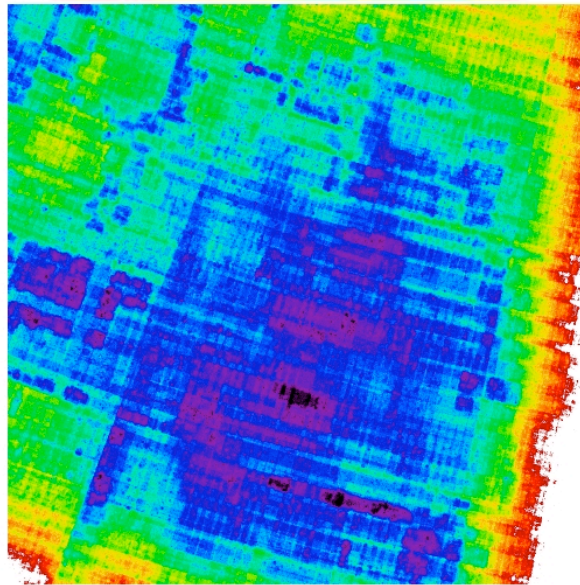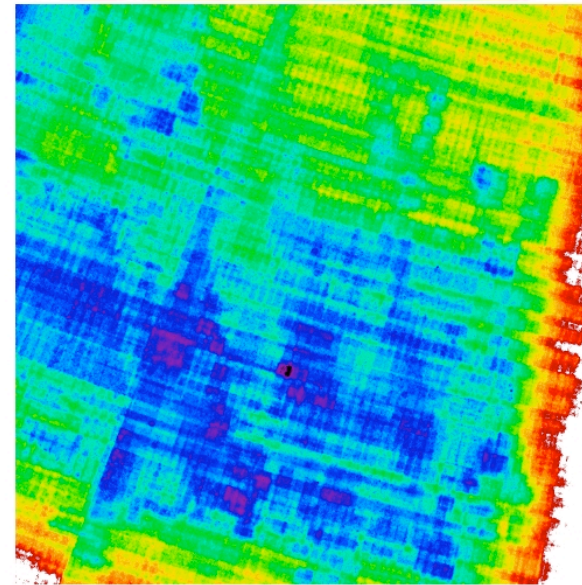
W1

W2
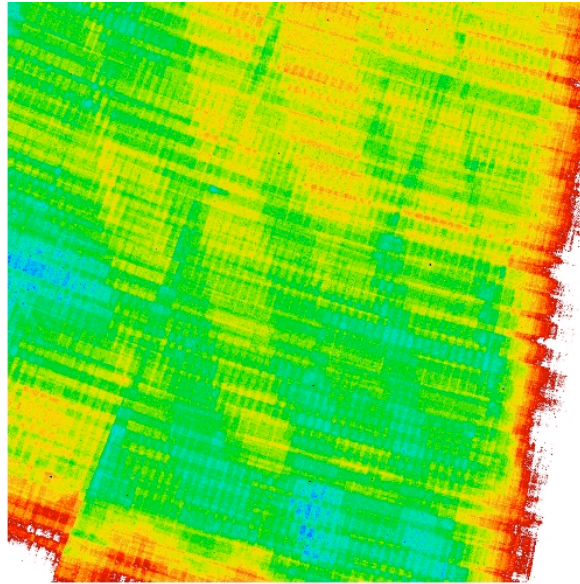
Note: SAA frames and "bad outlier" frames rejected for each band: 0, 0, 31, 29
*** rejection criteria not yet tuned.

W3

W4
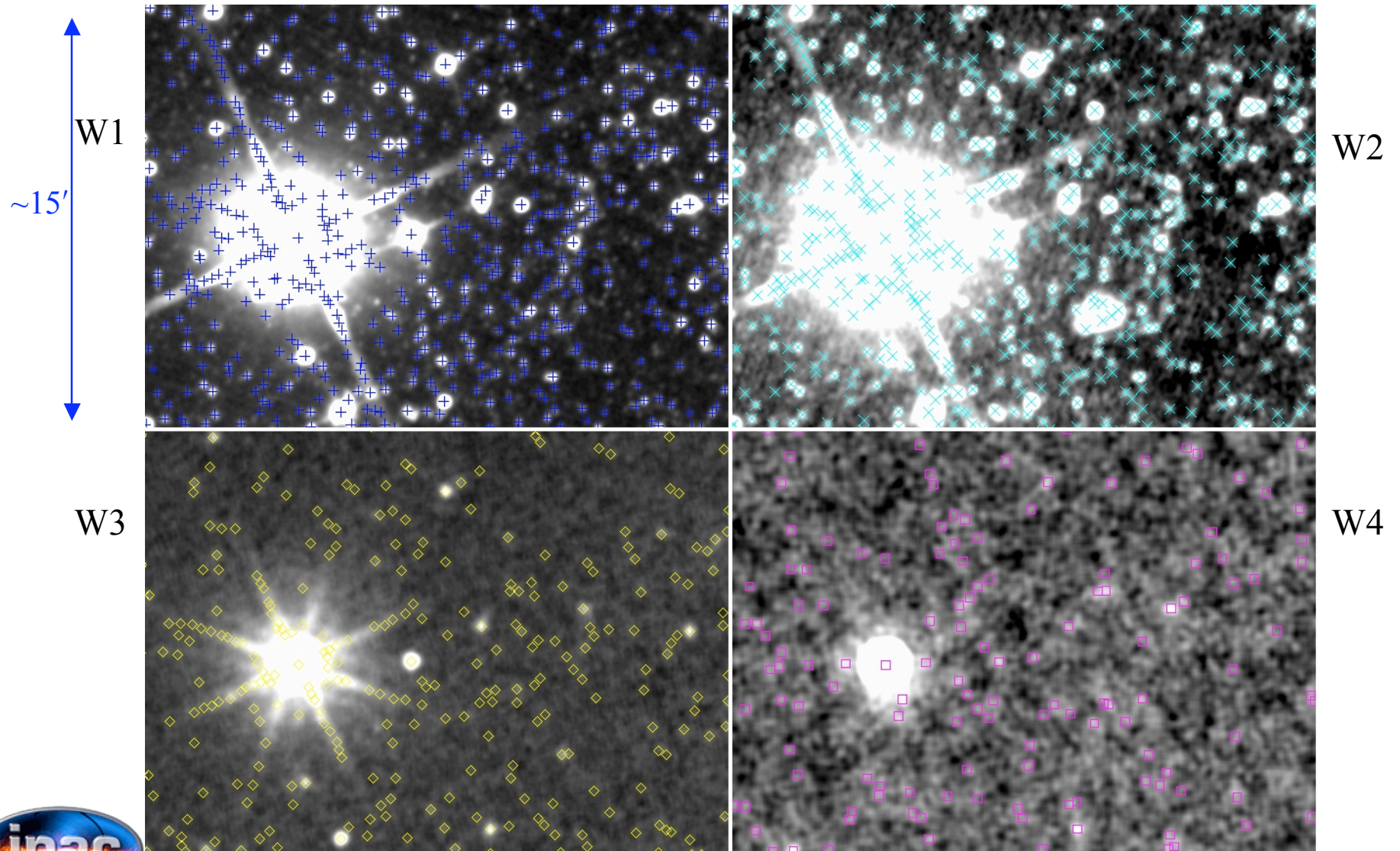
Overlayed source extraction in zoomed-in region (unfiltered)
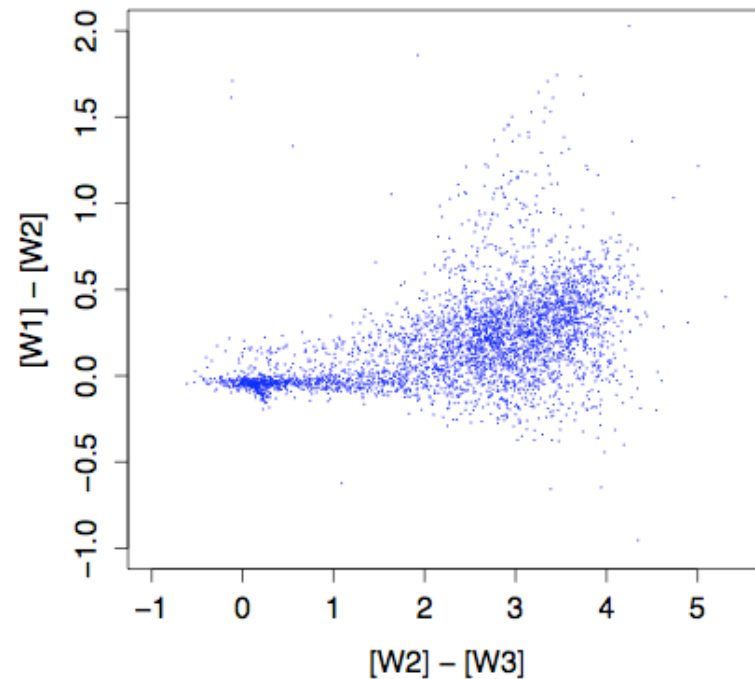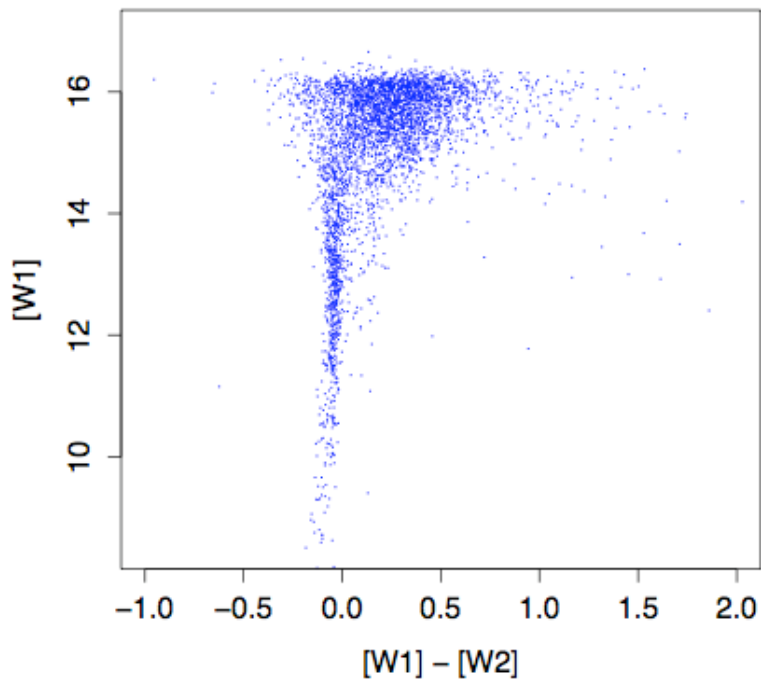
W1

~15'

W2

W3

W4

colors and mags for "clean" extractions in this footprint

N.B: "clean" $\Rightarrow$ not blended; no upper limits; chi-squares from PSF-fits ±20% of unity; S/N > 20 in at least one of W1, W2, W3.

$\Rightarrow$ consistent with expected colors of sources at this galactic lat (e.g., from IRAC)