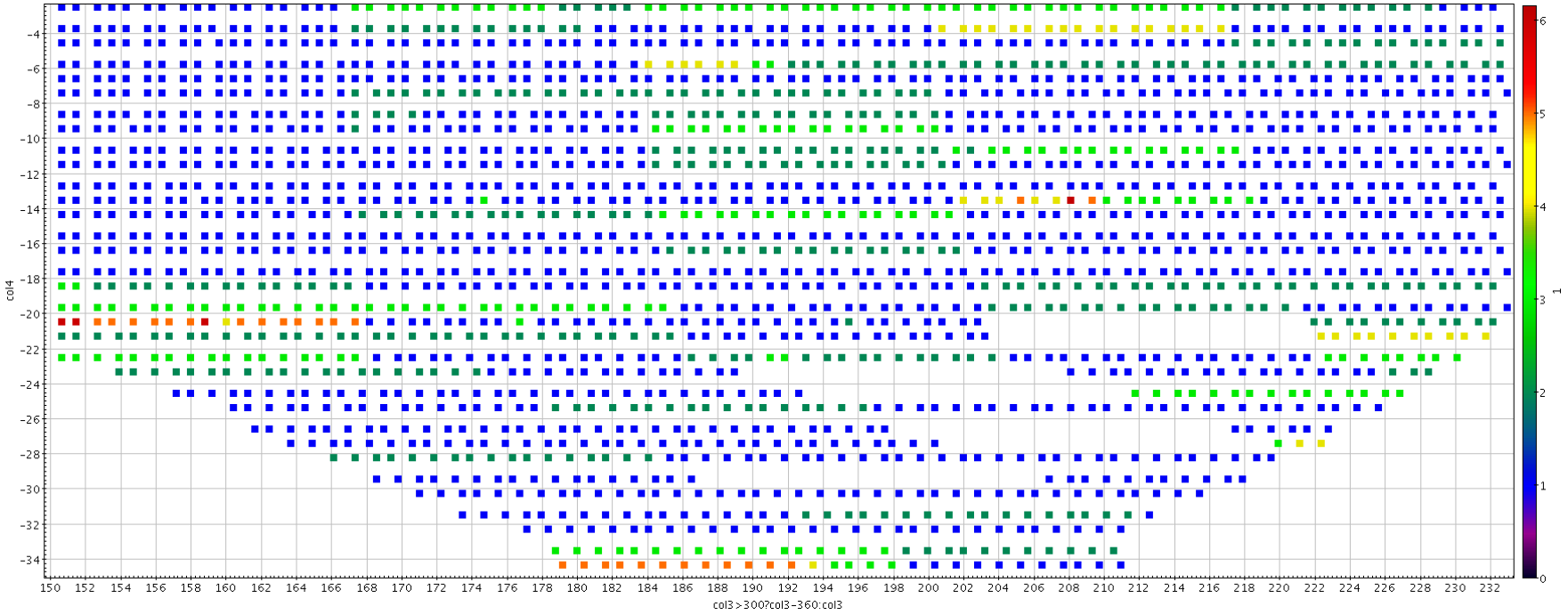
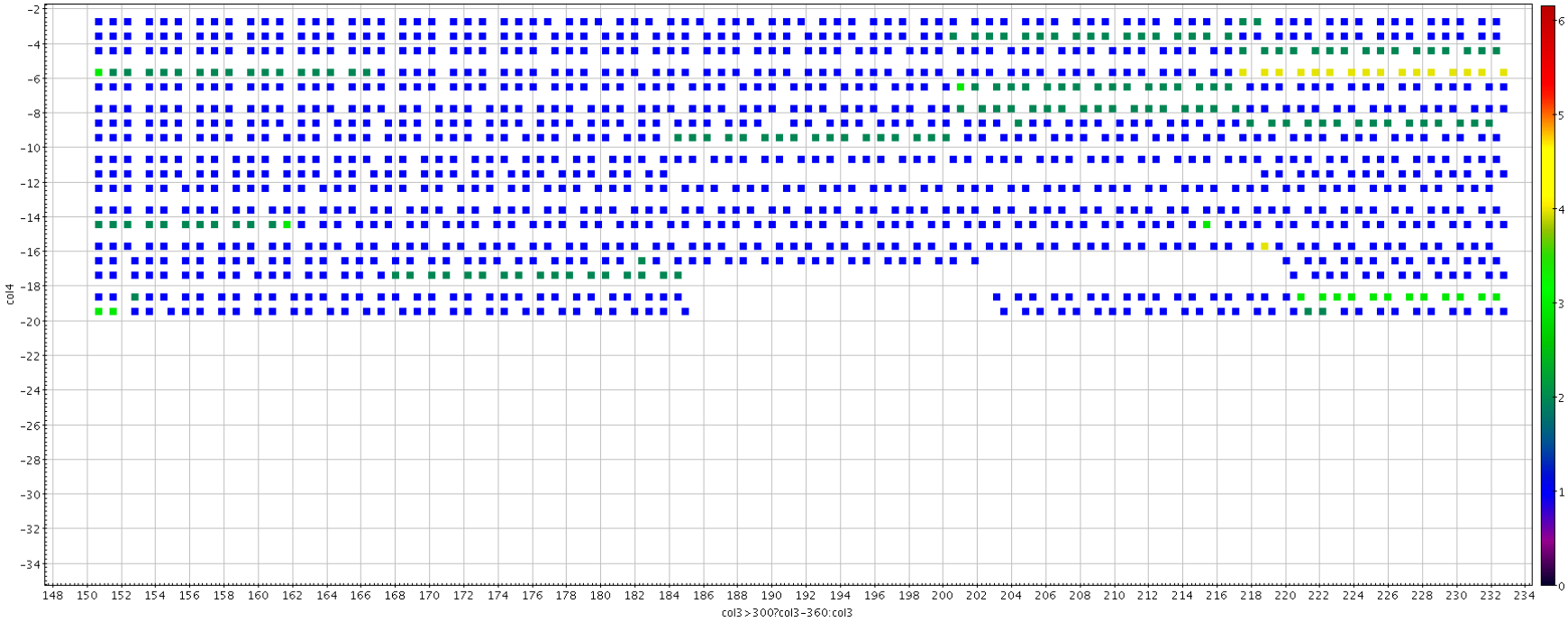
Coverage

i north

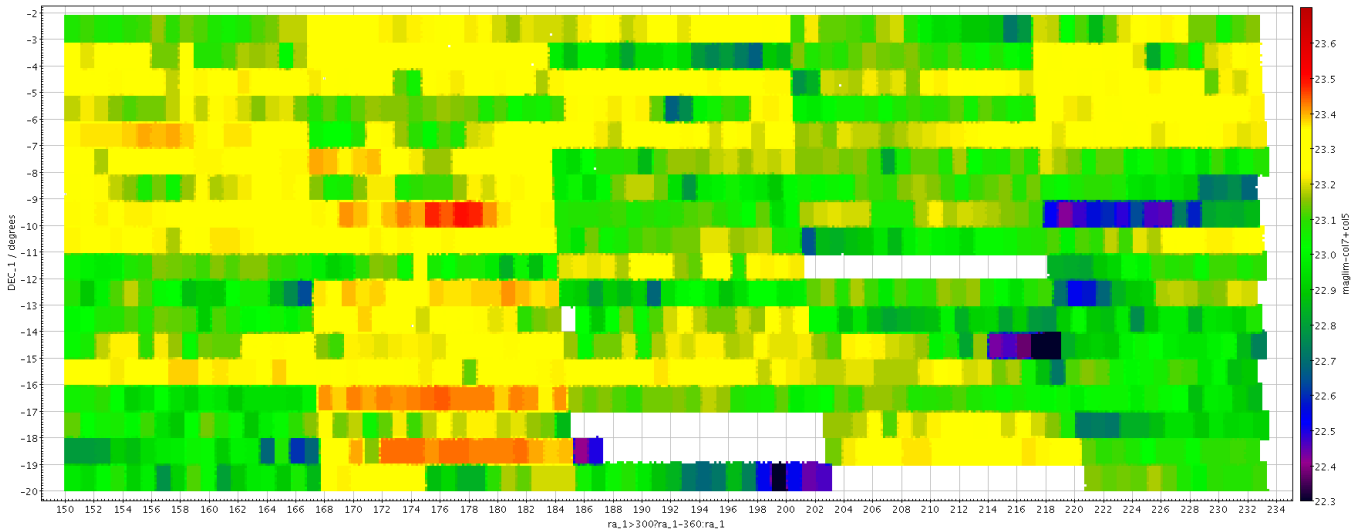


Coverage

u north



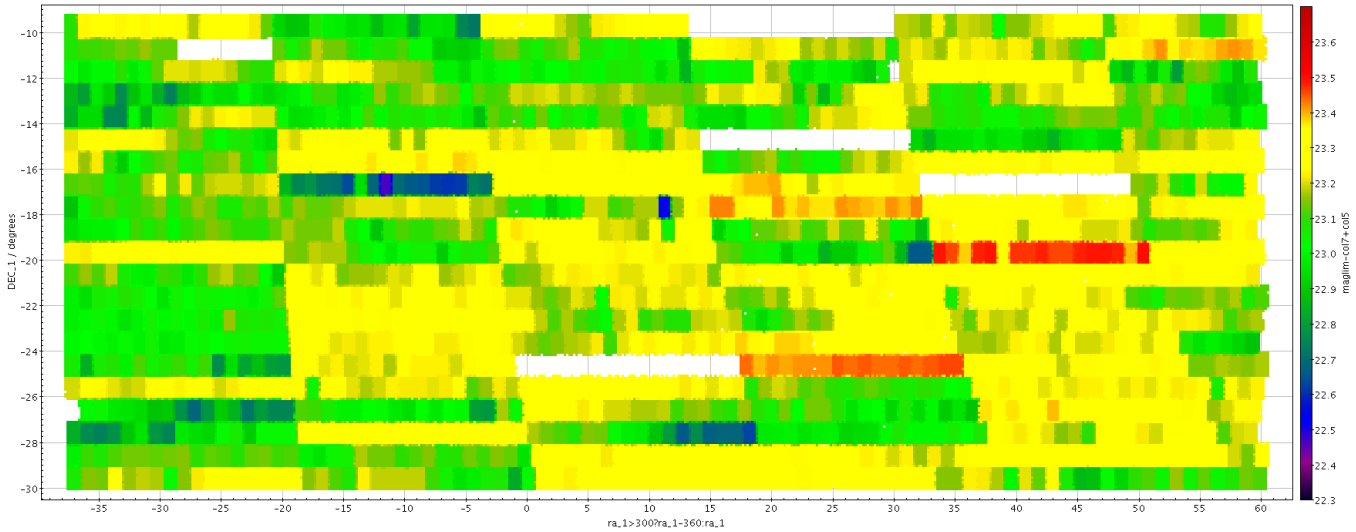
Magnitude limits



g-band

North

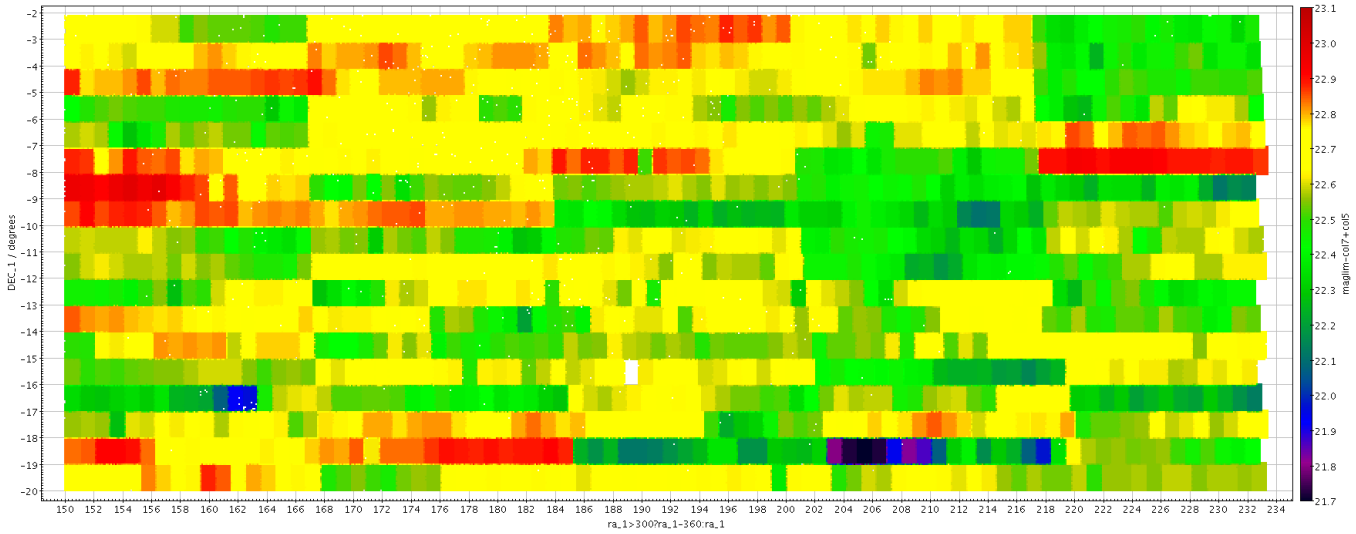
23.7



South

22.3

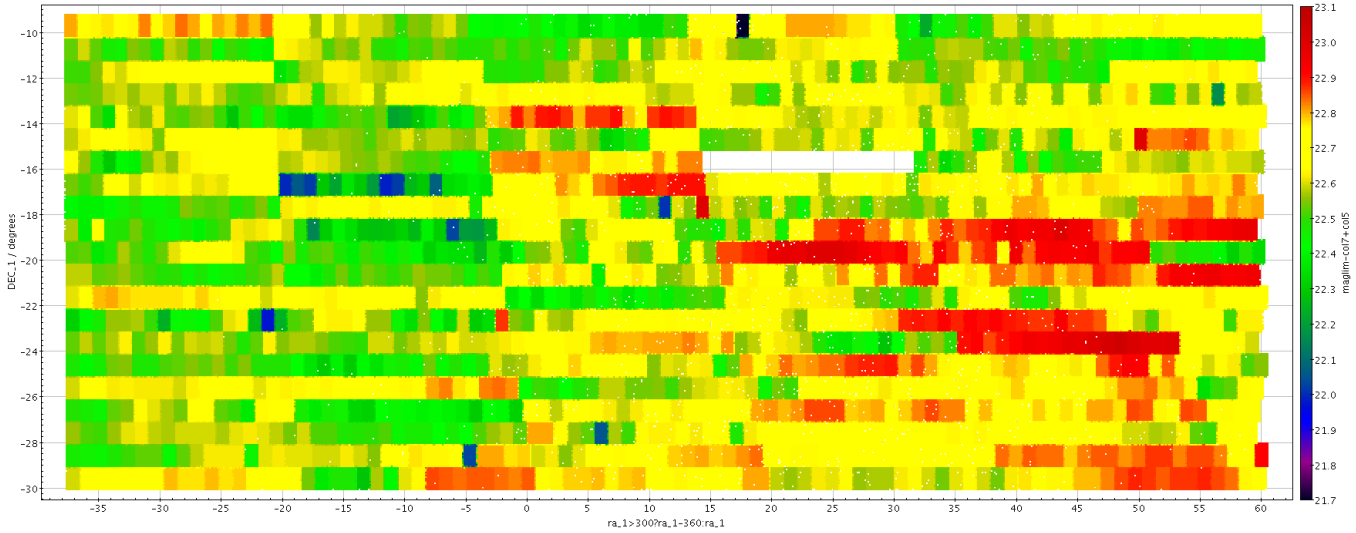
Magnitude limits



r-band

North

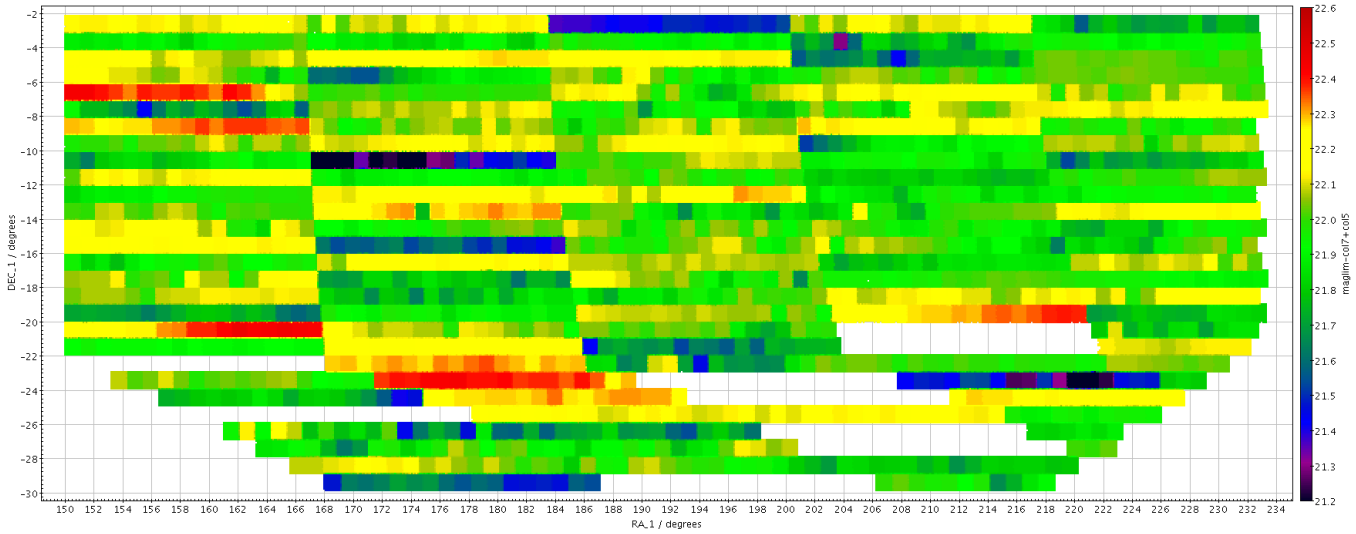
23.1



South

21.7

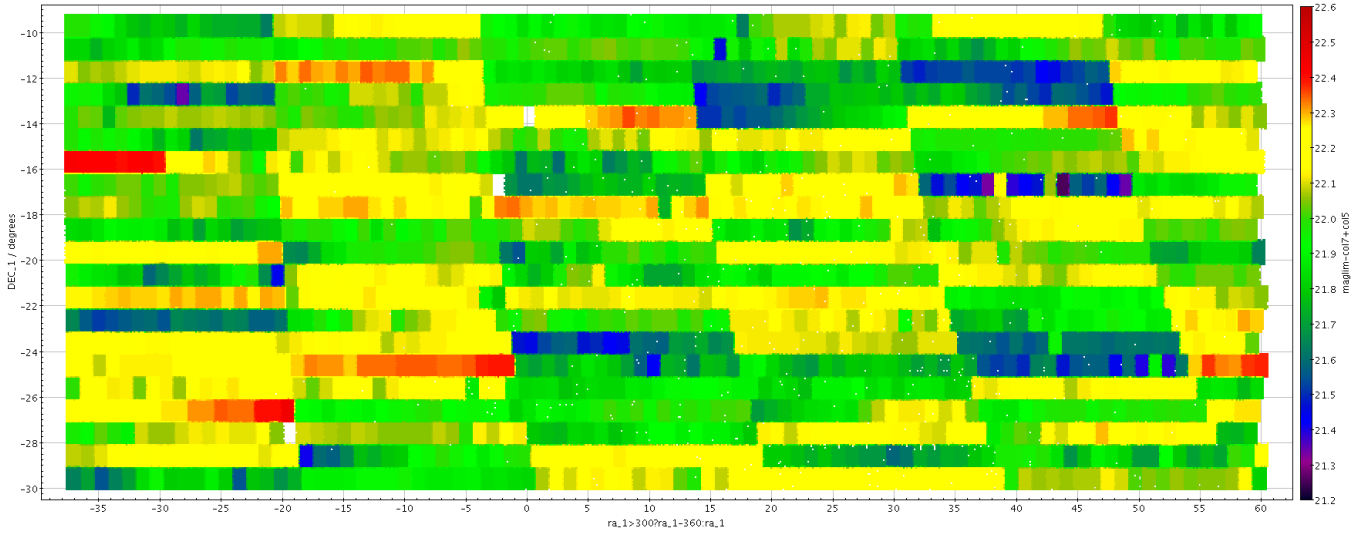
Magnitude limits



i-band

North

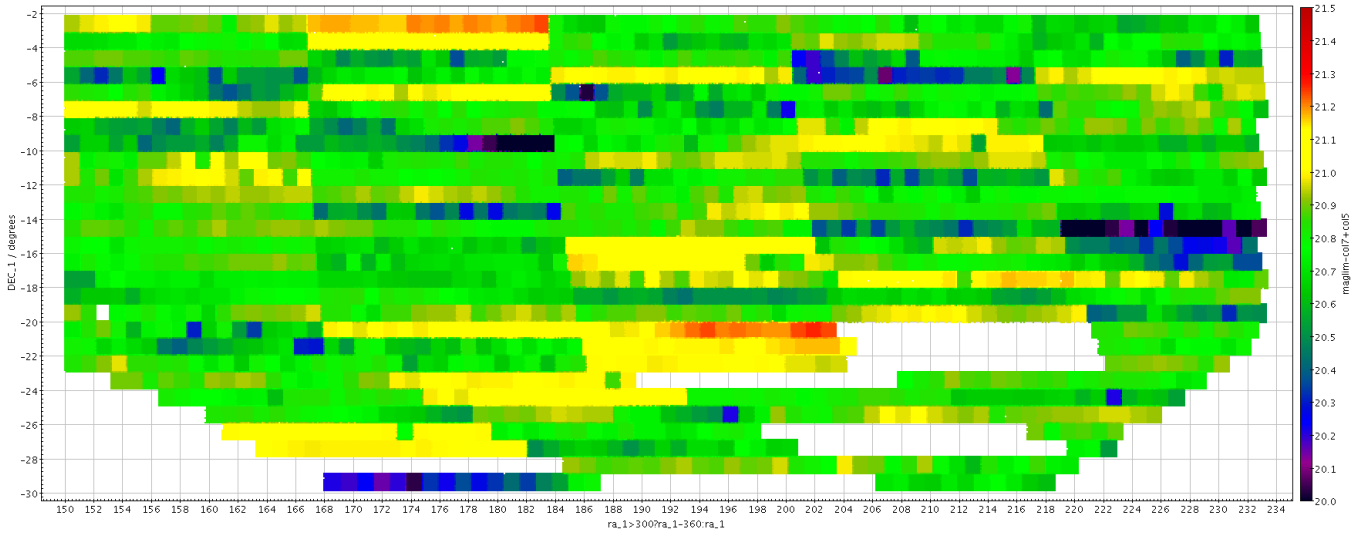
22.6



South

21.2

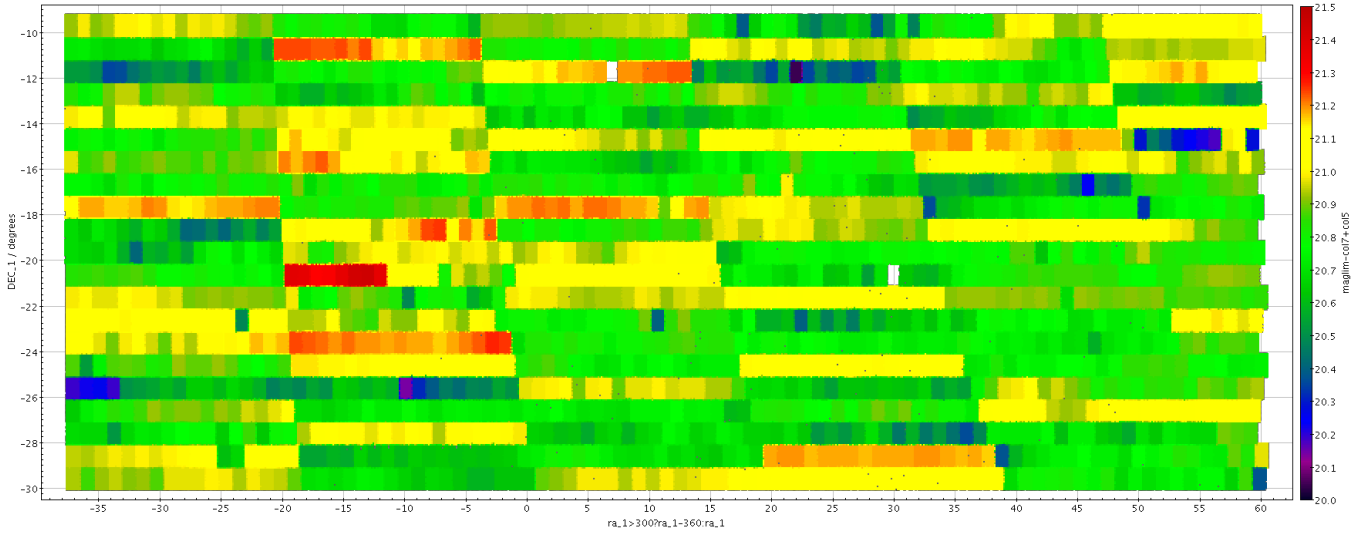
Magnitude limits



z-band

North

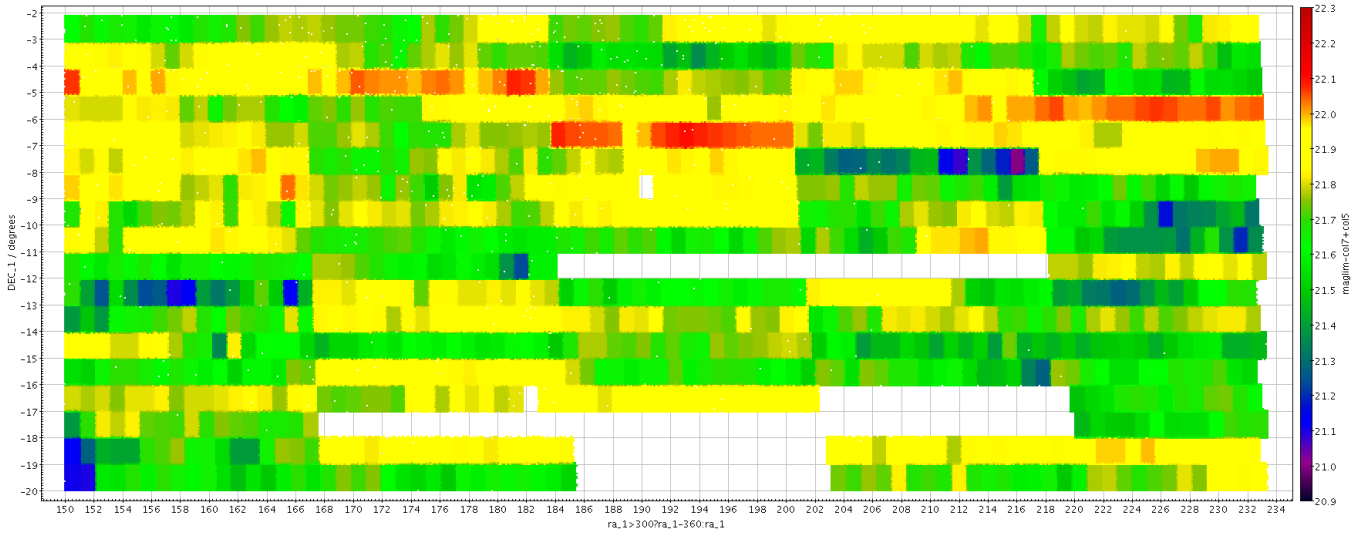
21.5



South

20.0

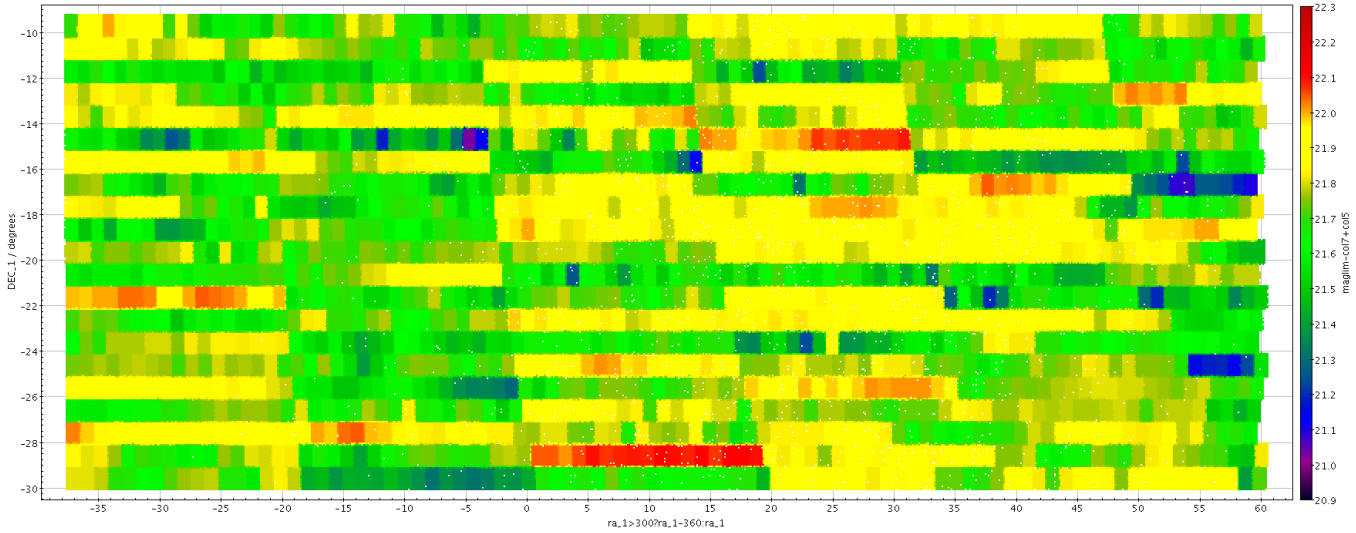
Magnitude limits



u-band

North

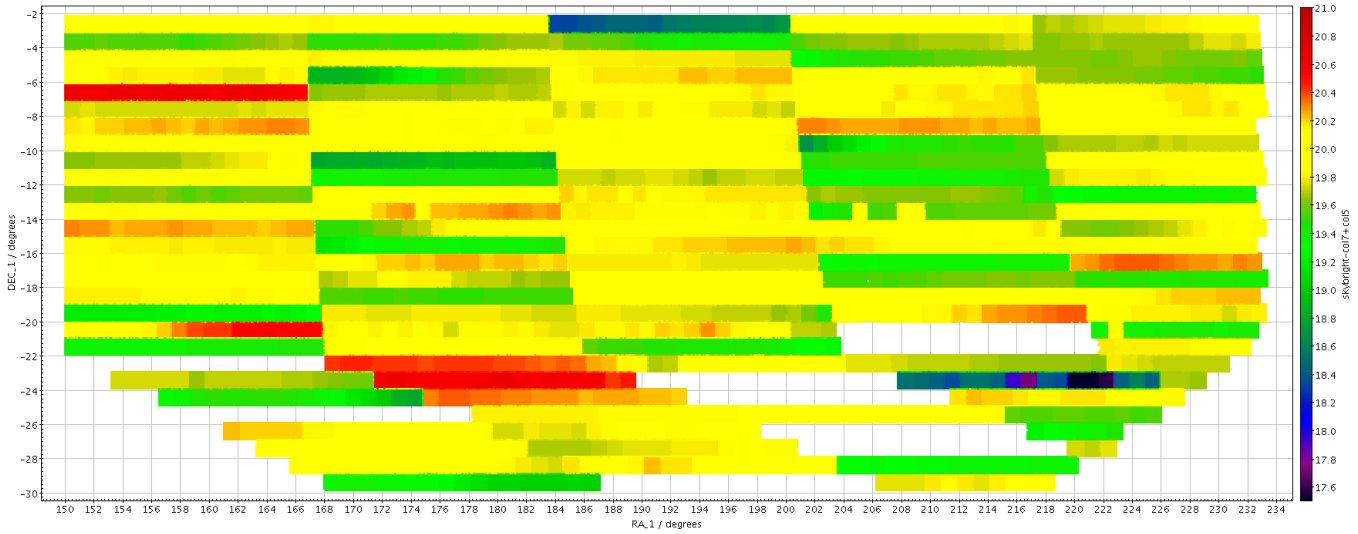
22.3



South

20.9

Sky brightness/seeing

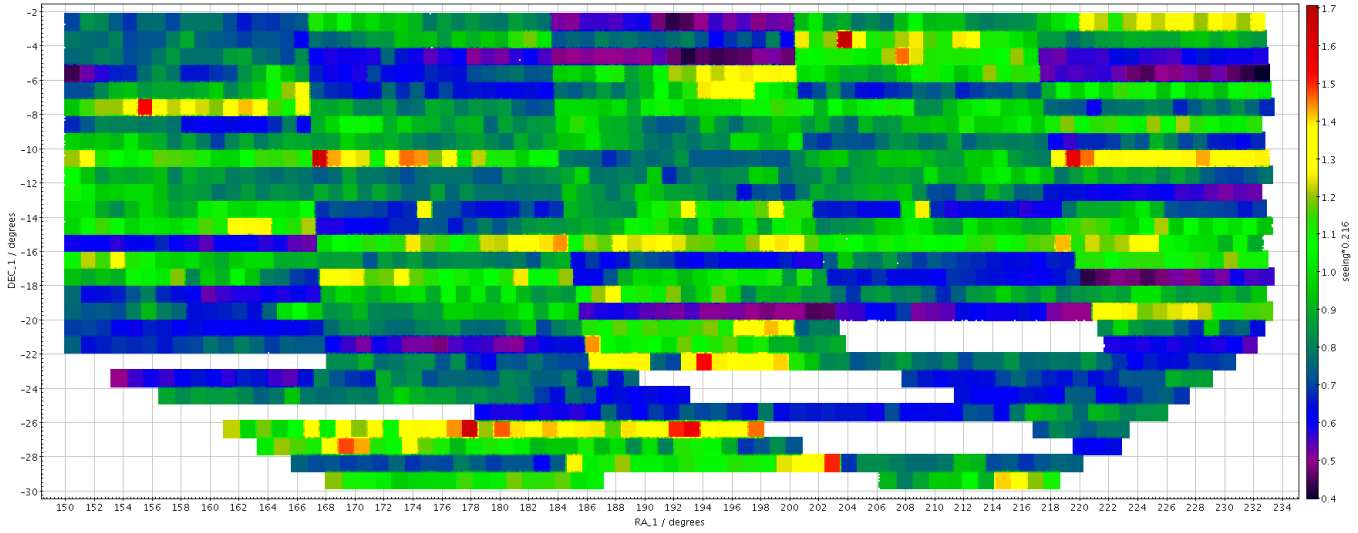


21.0

i-band north

Sky

17.6



1.7”

Seeing

0.4”

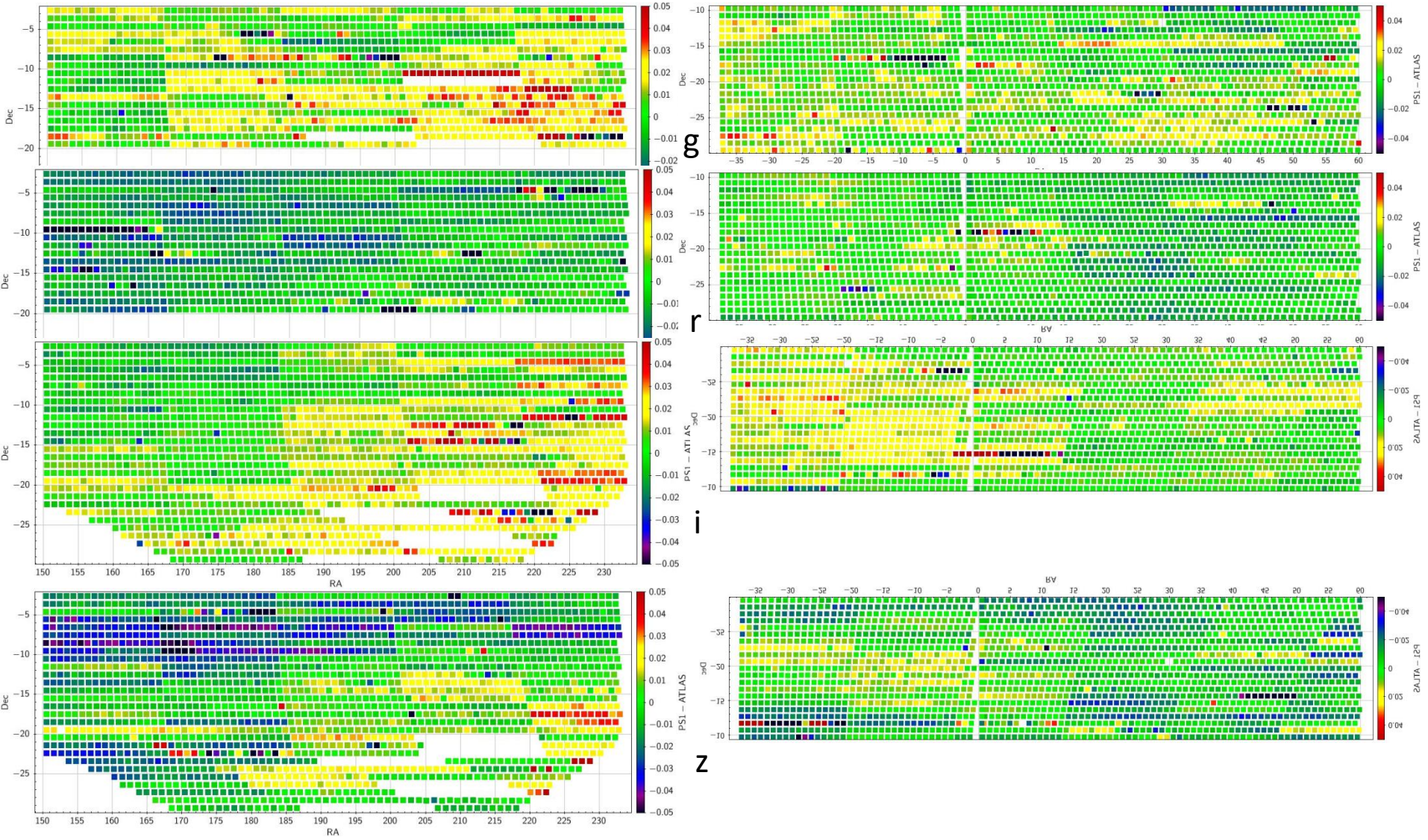
Comparisons with Pan-STARRS

- PS1 has g/r/i/z
- Probably currently the best calibrated survey
- Only down to dec -30
- I use psf mags for stars, Kron for galaxies

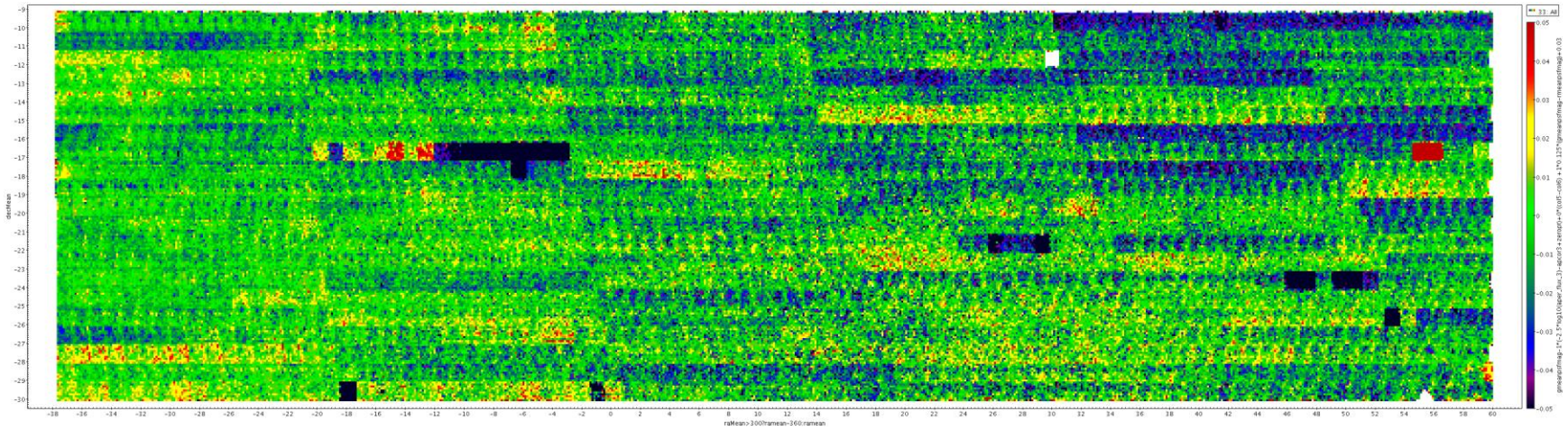
http://astro.dur.ac.uk/CEA/vstatlas/tests/
http://astro.dur.ac.uk/CEA/vstatlas/tests/latest/
http://astro.dur.ac.uk/CEA/vstatlas/tests/residuals/
http://astro.dur.ac.uk/CEA/vstatlas/tests/properties/

Tiles: PS1 - APASS Nightly

Scale +/-0.05 mag – stars only

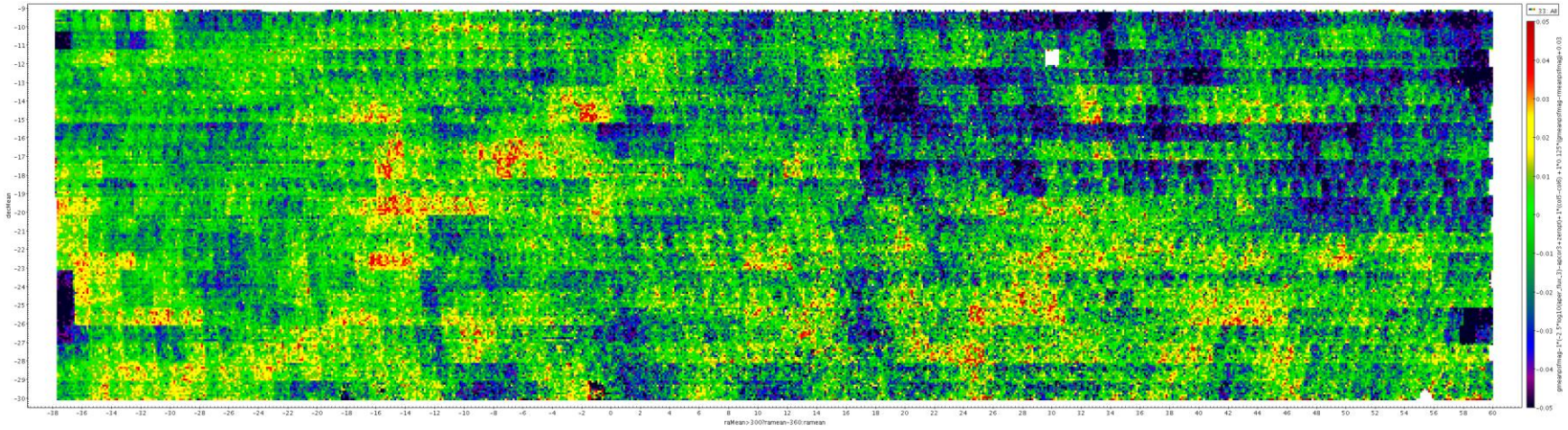


Zeropoints cf PS1 – g South



APASS Nightly

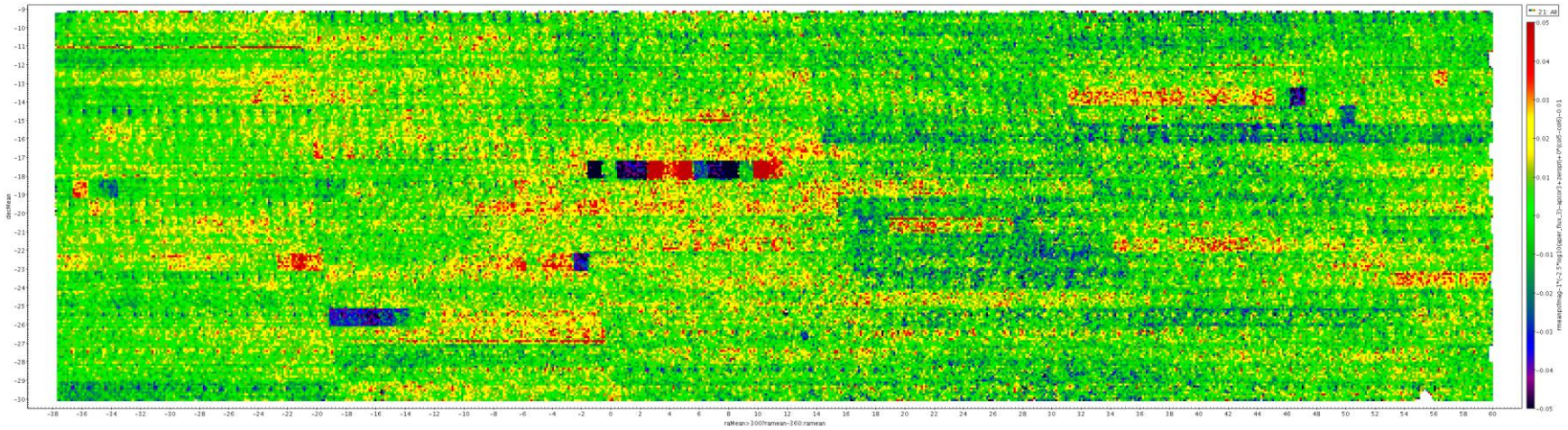
0.05



APASS individual tiles

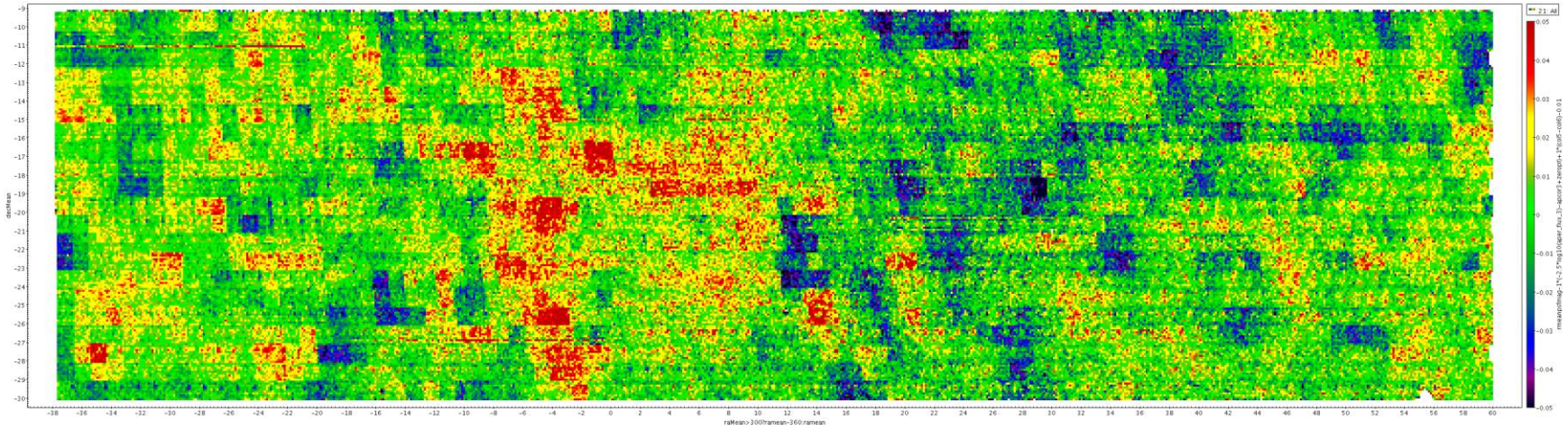
-0.05

Zeropoints cf PS1 – r South



APASS Nightly

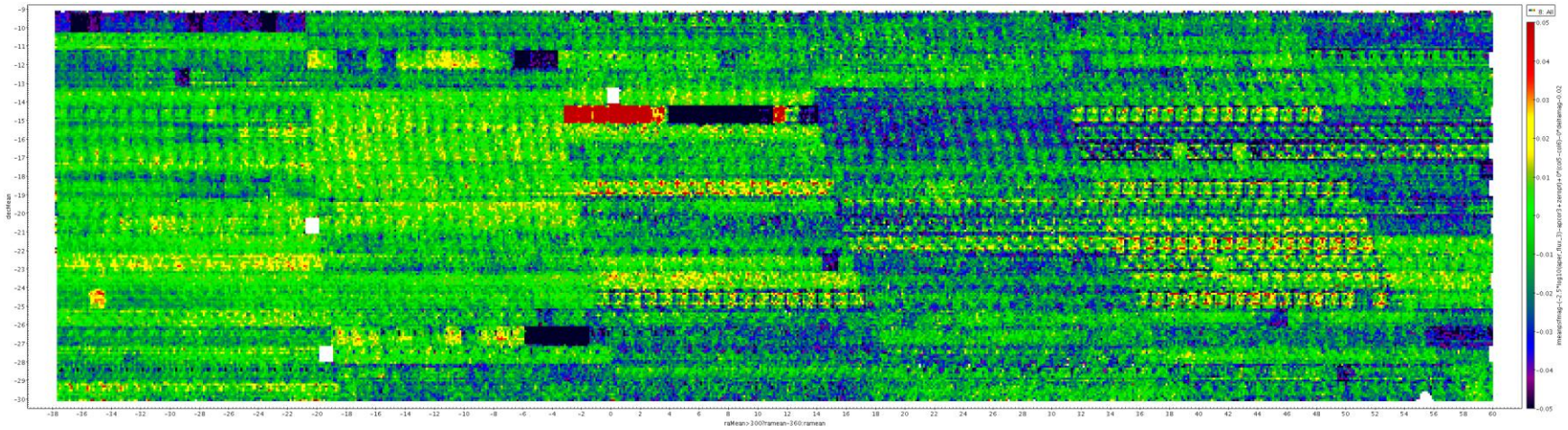
0.05



APASS individual tiles

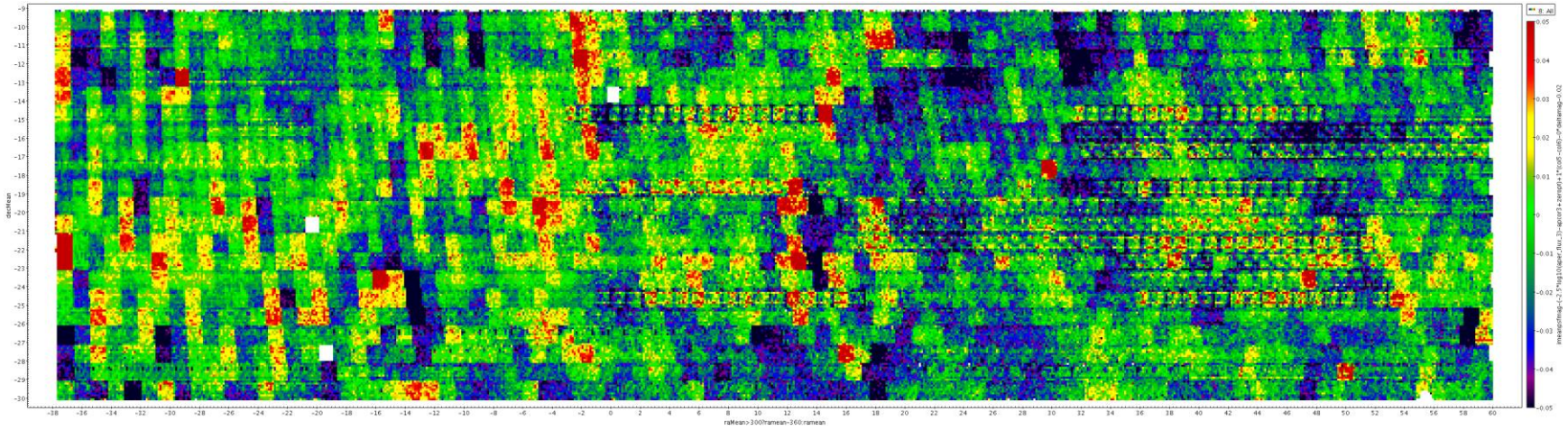
-0.05

Zeropoints cf PS1 – i South



APASS Nightly

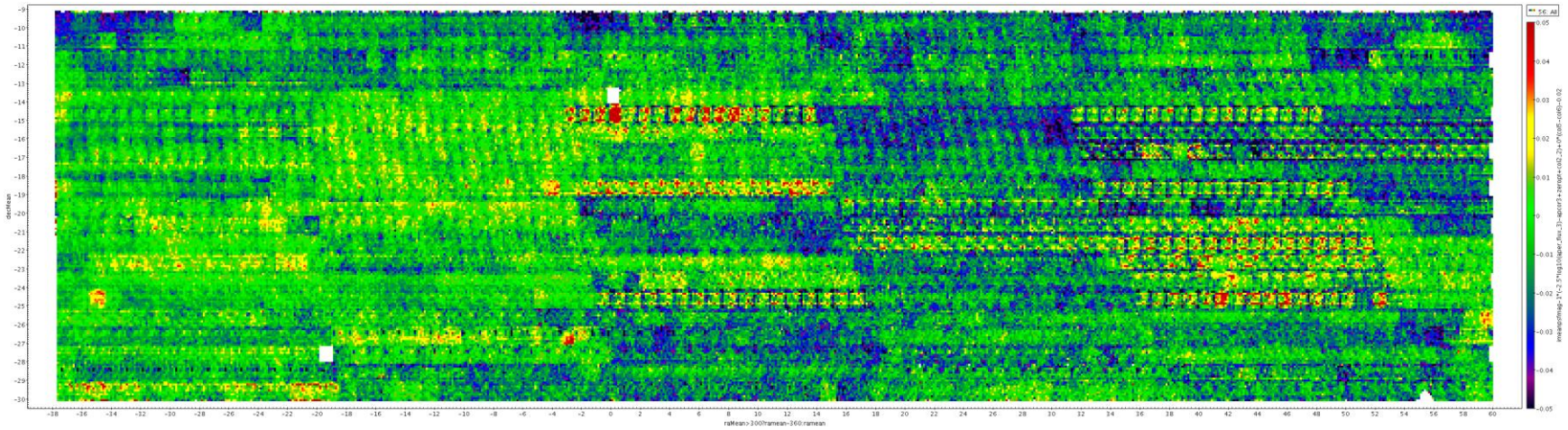
0.05



APASS individual tiles

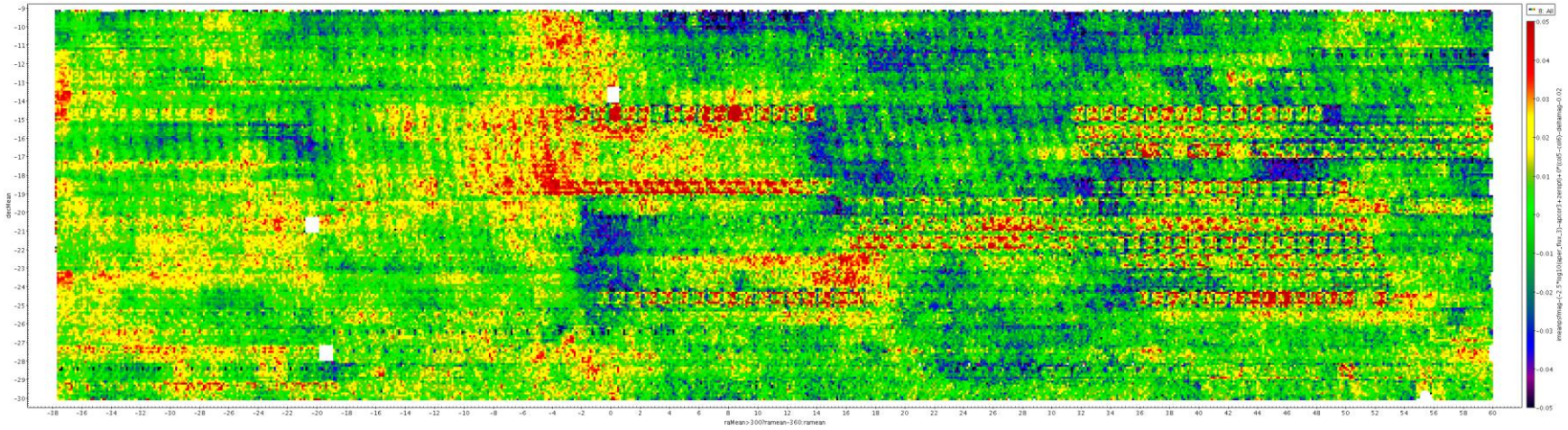
-0.05

Zeropoints cf PS1 – i South



APASS nightly+ overlap matrix

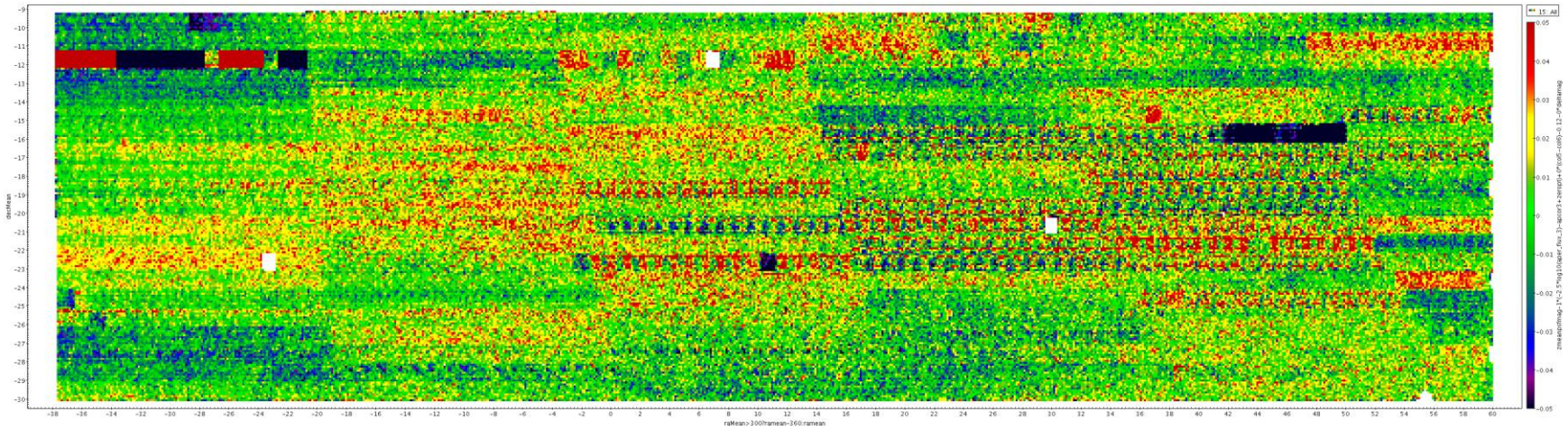
0.05



“Ubercal”

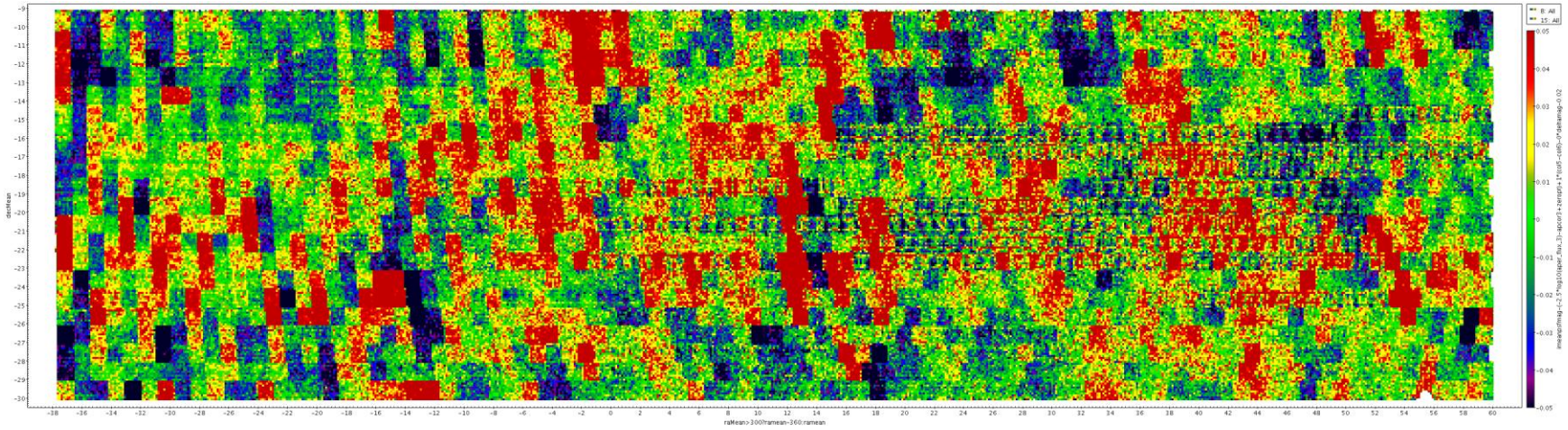
-0.05

Zeropoints cf PS1 – z South



APASS Nightly

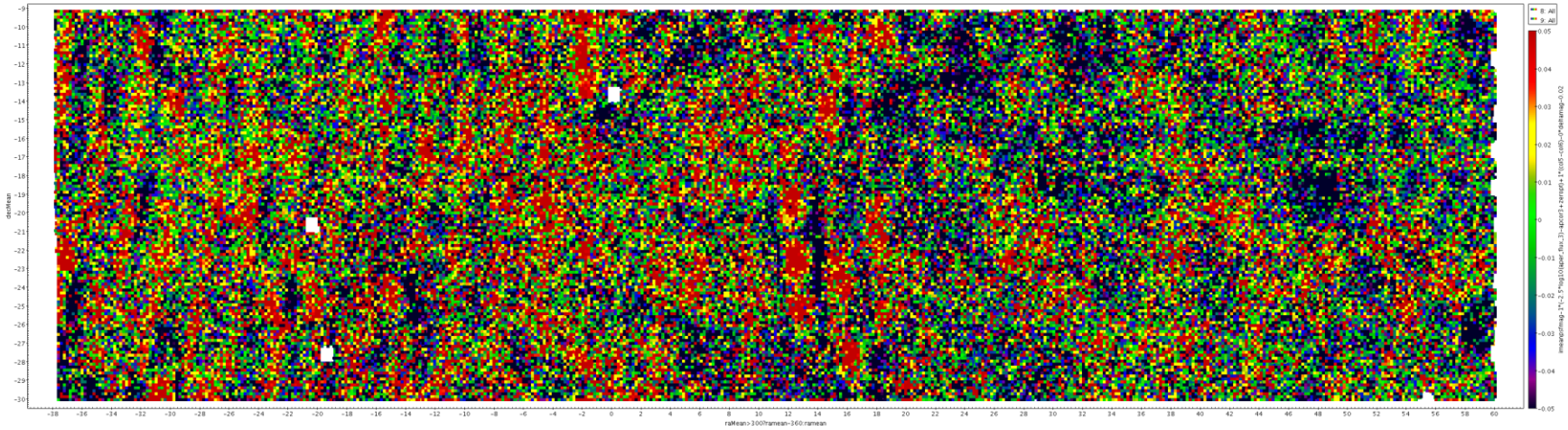
0.05



APASS individual tiles

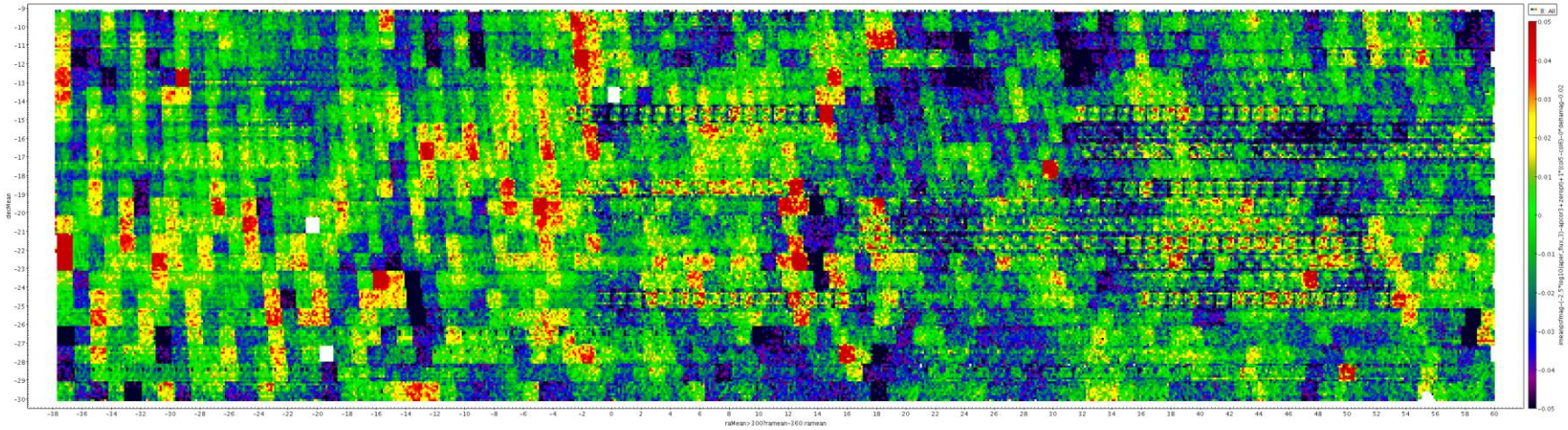
-0.05

Zeropoints cf PS1 – i South



PS1-APASS DR9 star by star

0.05



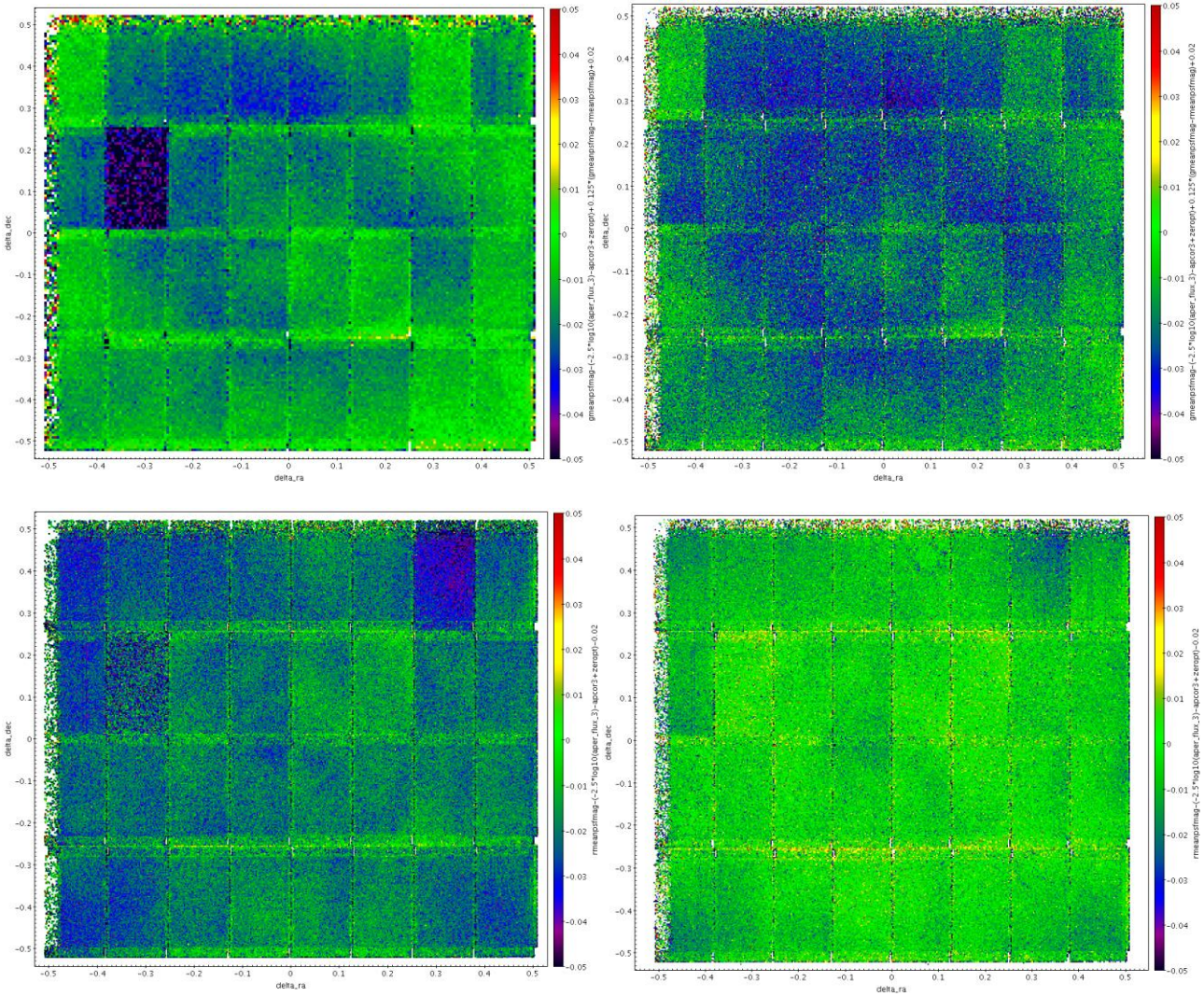
APASS individual tiles

-0.05

Tile-centred comparisons

N

S



g-band

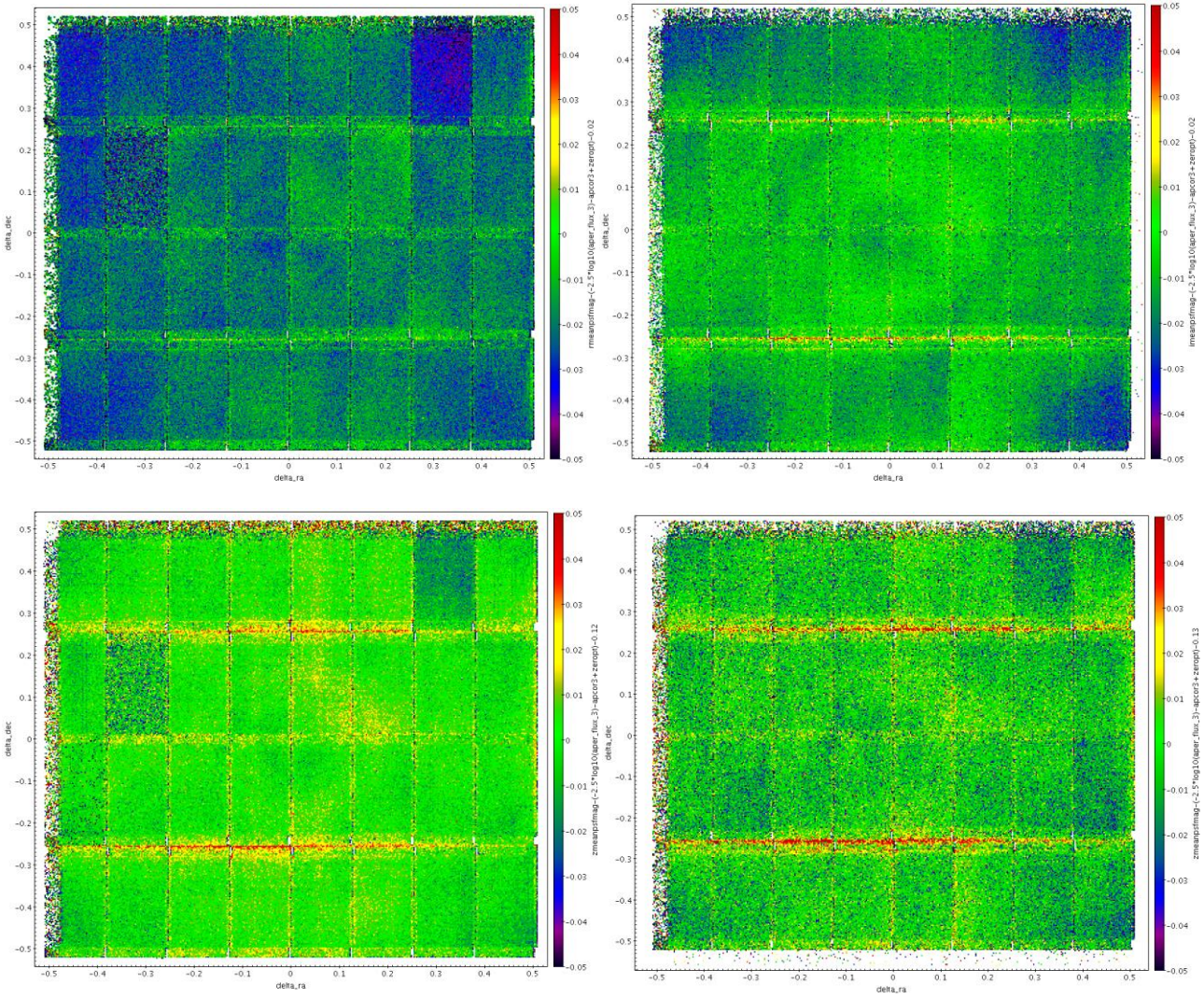
+/-0.05

r-band

Tile-centred comparisons

N

S



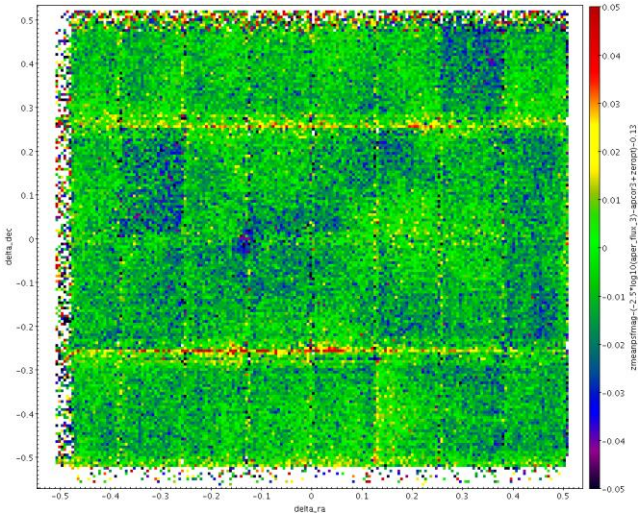
i-band

+/-0.05

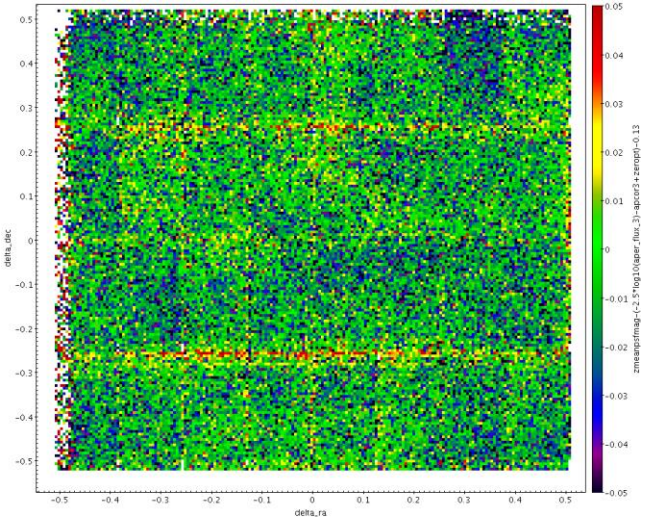
z-band

Tile-centred comparisons

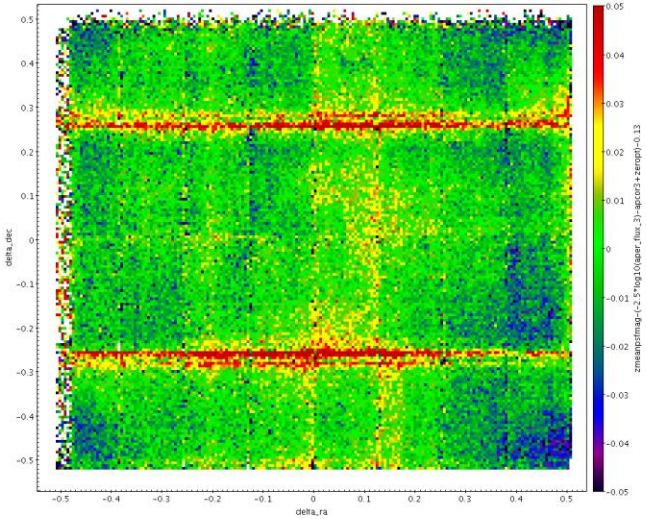
2011



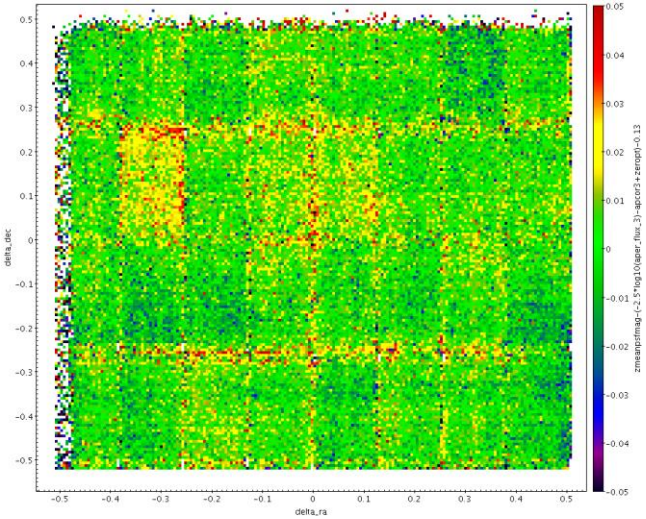
2012



2013



2014



z-band

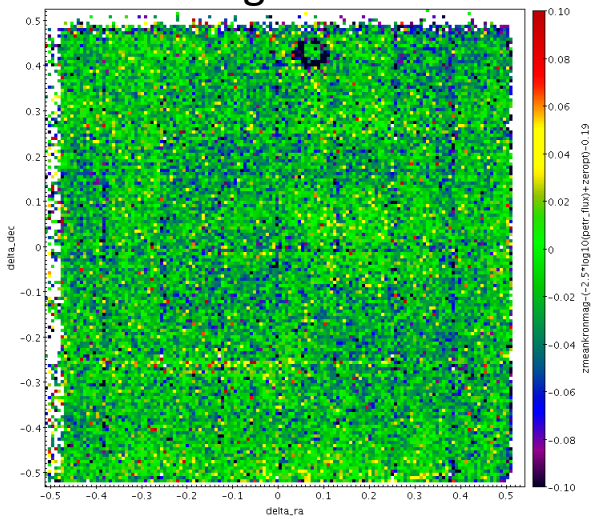
year by year

+/-0.05

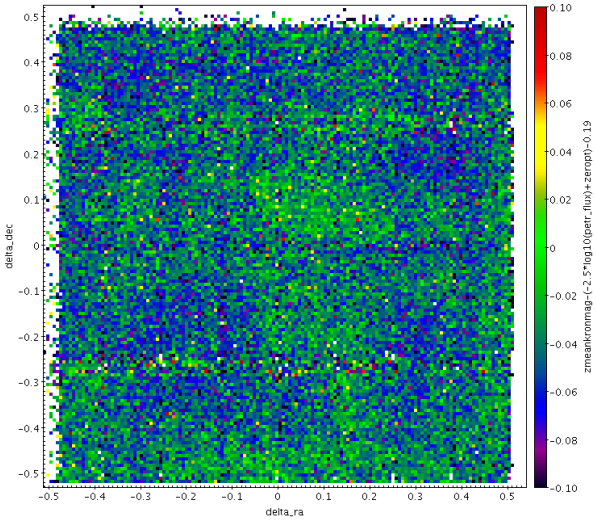
z-band

Tile-centred comparisons

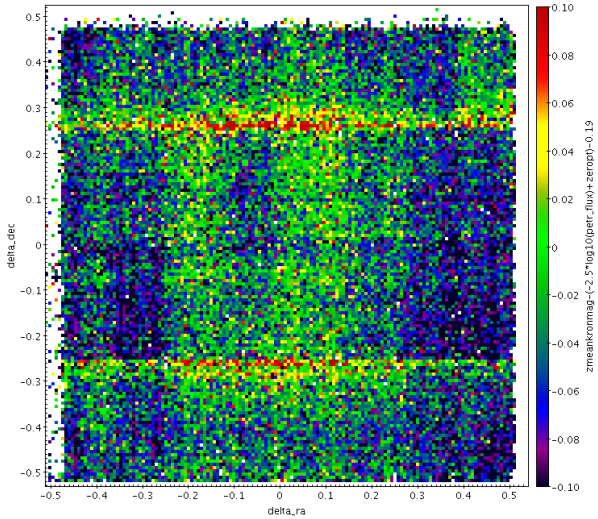
August 2013



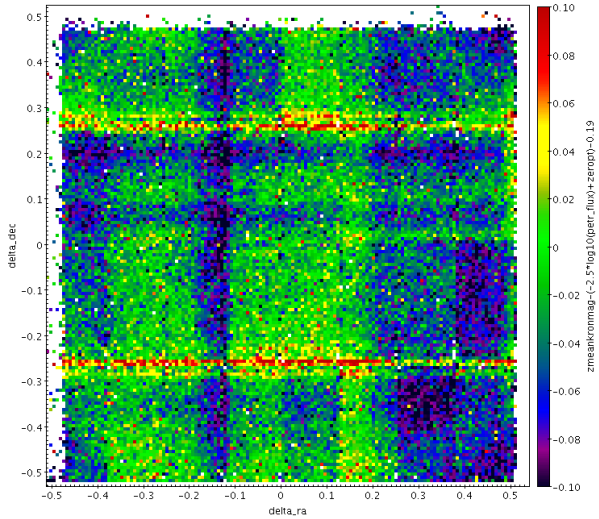
September 2013



October 2013



November 2013



z-band

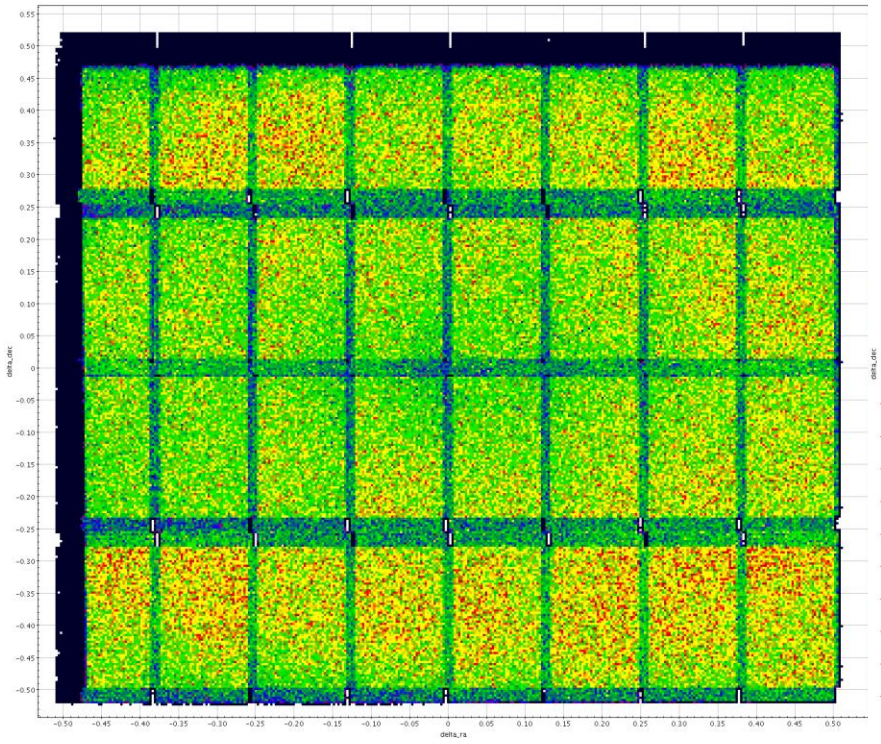
2013 monthly

+/-0.05

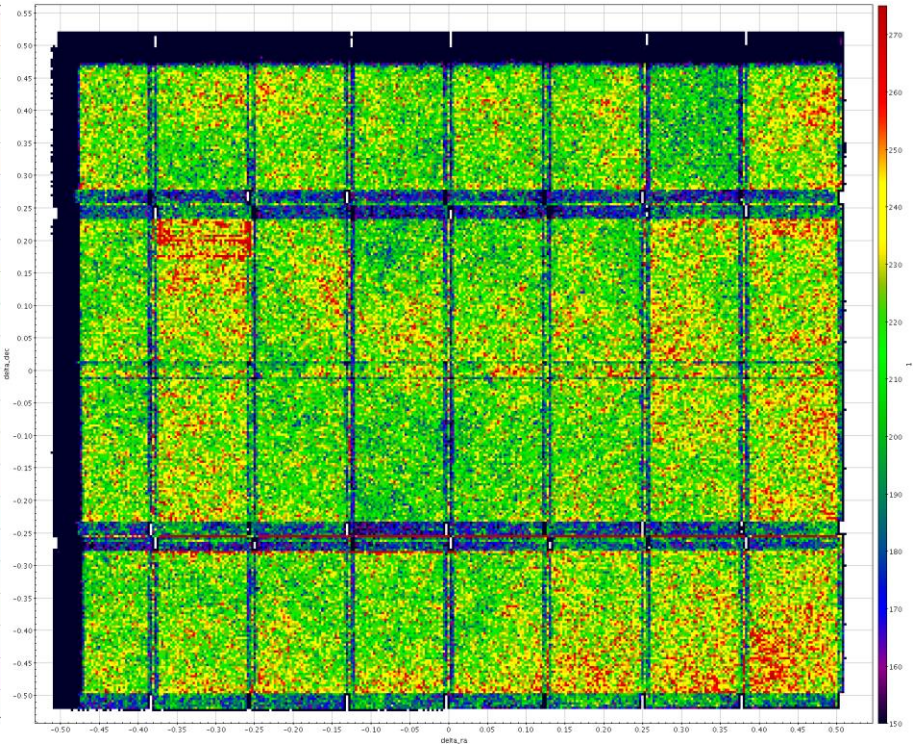
z-band

Object density

Stars



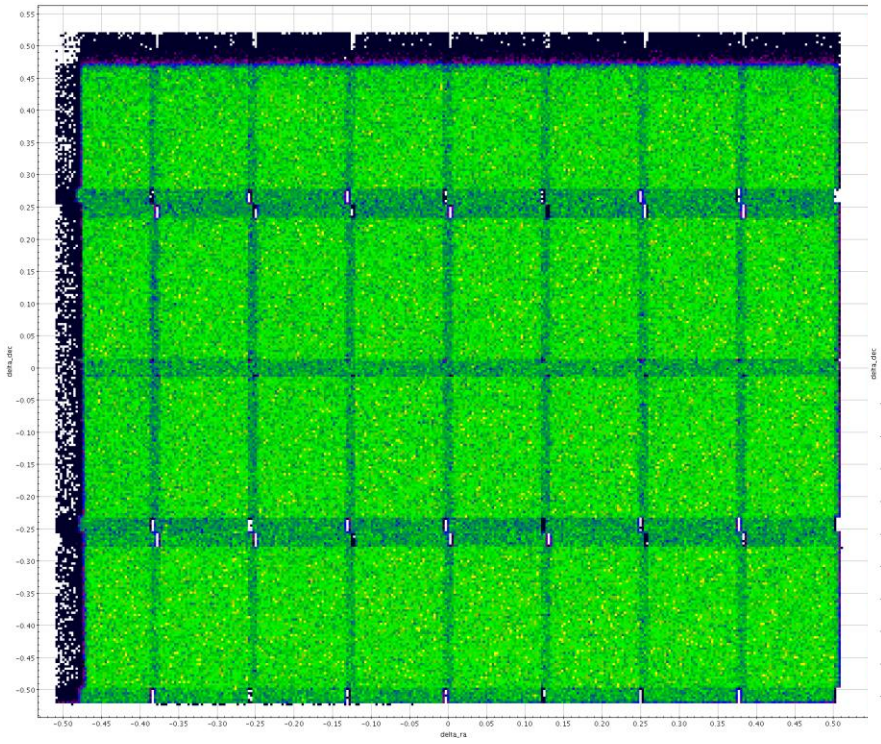
Galaxies



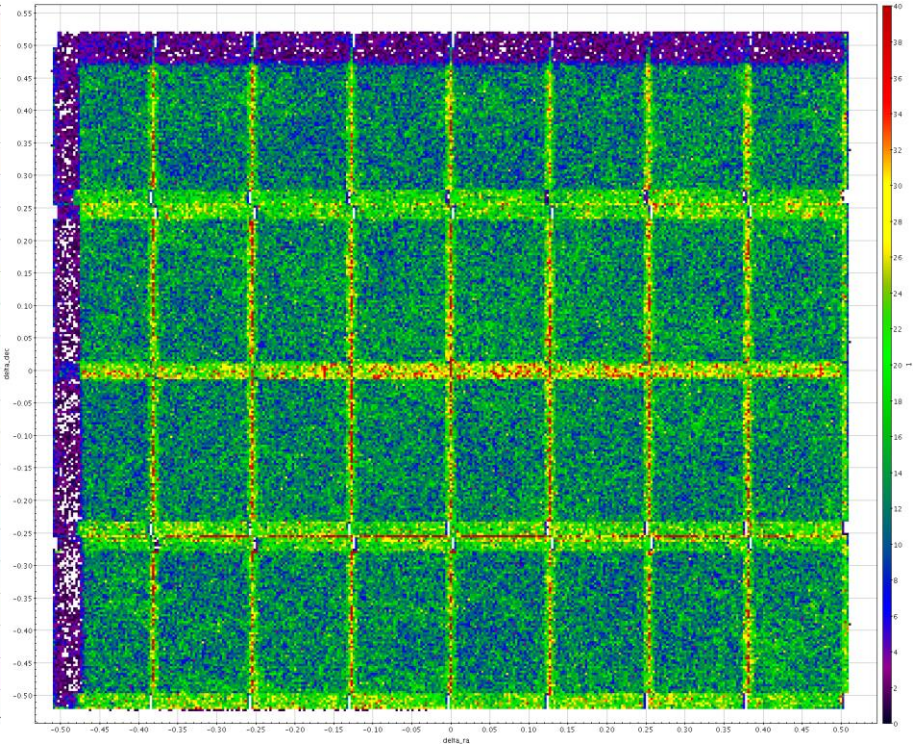
i-band – no magnitude limit

Object density

Stars

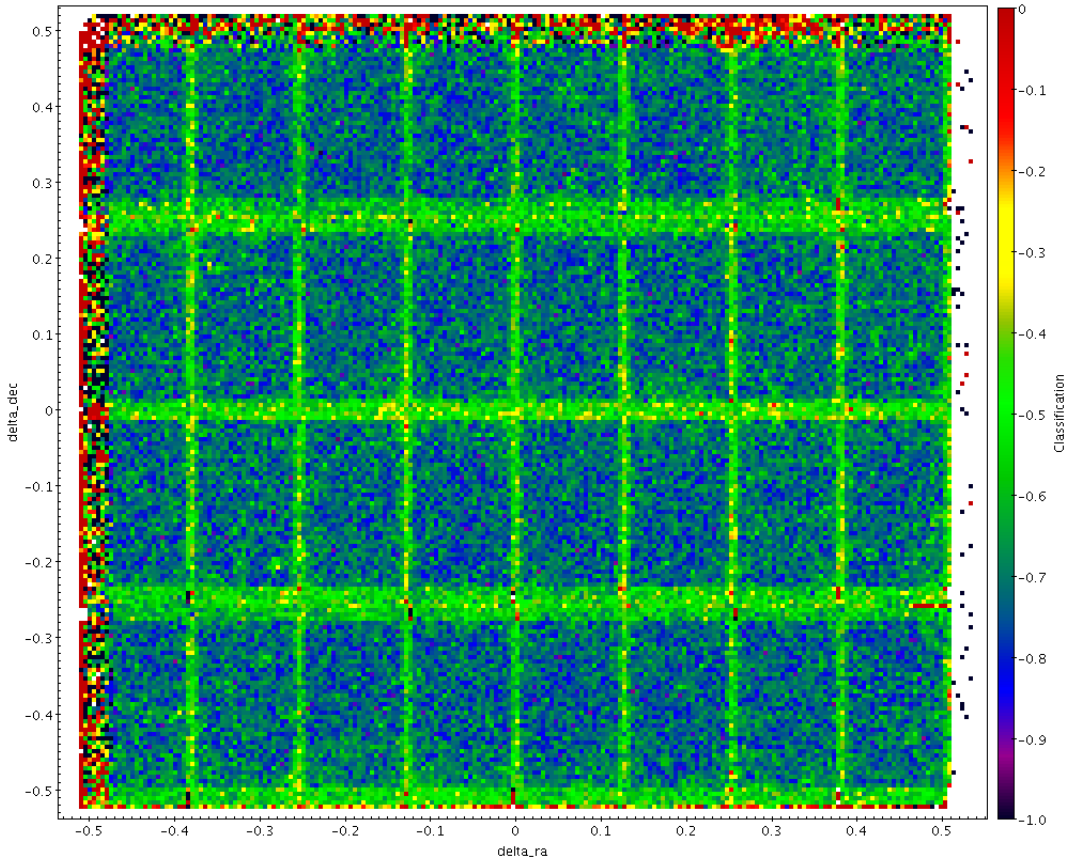


Galaxies



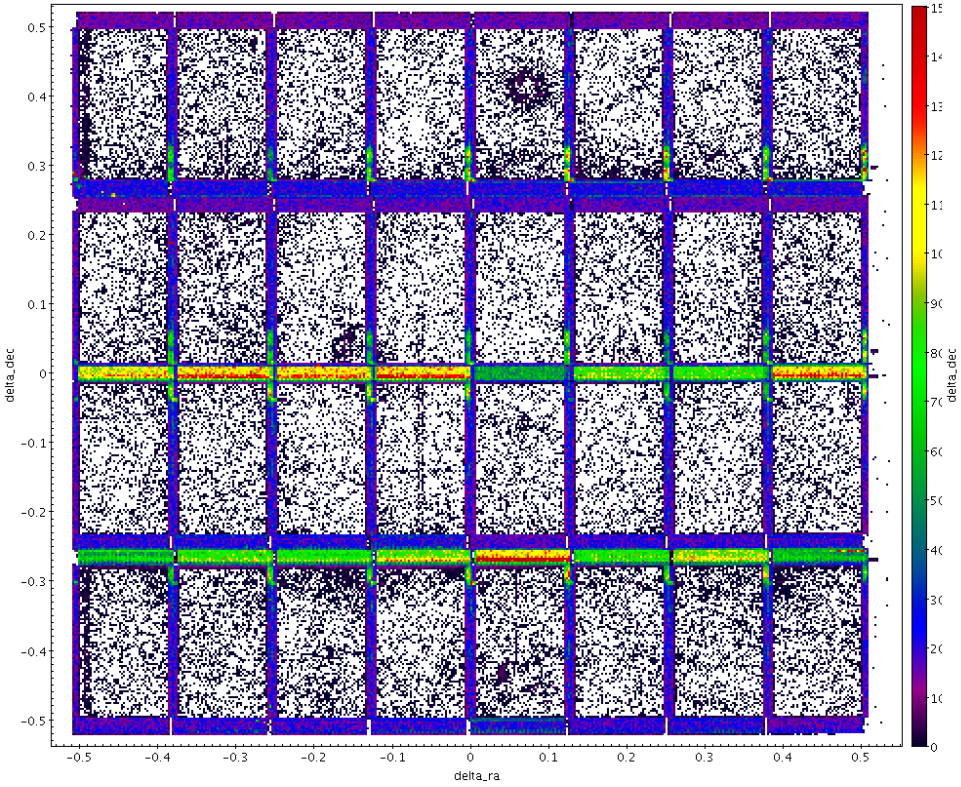
i-band mag < 19

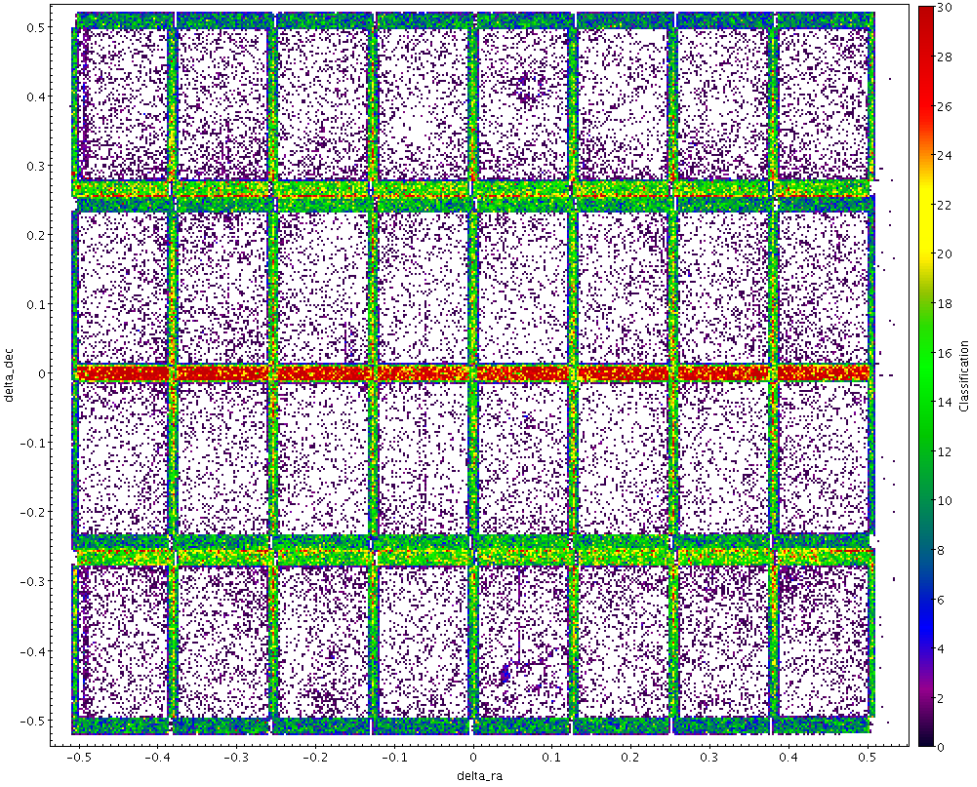
Mean classification



i<19 excluding classification==0

Density of classification=0





i-band (south): all objects

i<19

Odd tiles

o20160228_00106_st

Ra: 174.6386° Dec: -26.385°

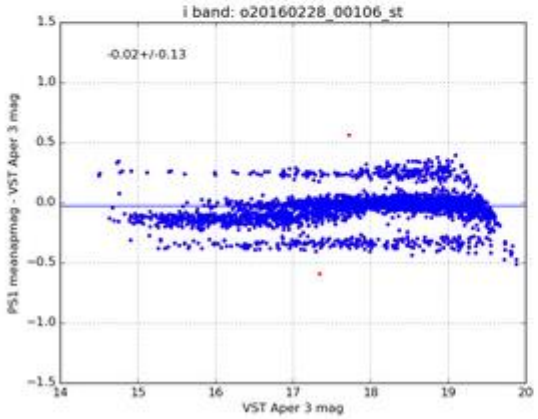
Offset (PS1- APASS Nightly): -0.041; RMS: 0.13

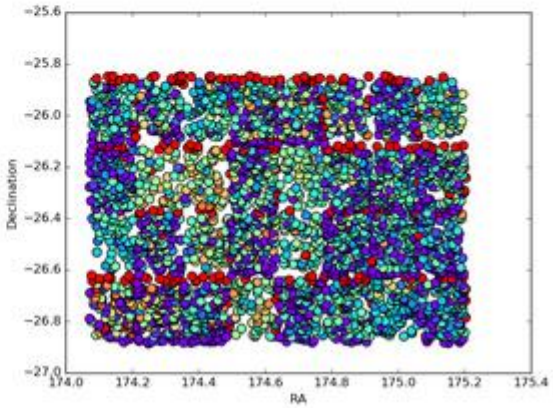
APASS Nightly: 23.954; APASS individual: 24.131; ESO: 23.787

Offset (Individual-Nightly): -0.177

QCSTATUS=B

OBSTATUS=Completed





http://astro.dur.ac.uk/CEA/vstatlas/tests/plotter.php