

# KIDS THELI TRAINING PART III:

## CHECKPLOT SESSION

03.02.2015

Dominik Klaes



Argelander-  
Institut  
für  
Astronomie

# Outline

2

- Statistics about ATLAS
- Checkplot types
- Examples
  - How it shall look like
  - How it shouldn't look like
- How we use github



# Current status of ATLAS

# Current status: Introduction

4

- 4500 deg<sup>2</sup> in ugriz
- Overlap with KiDS-N and KiDS-S
- Reduced in Bonn with THELI for 2dFLenS
- Collaborators:
  - Hendrik Hildebrandt (Bonn)
  - Catherine Heymans (Edinburgh)
  - Chris Blake (Swinburne)

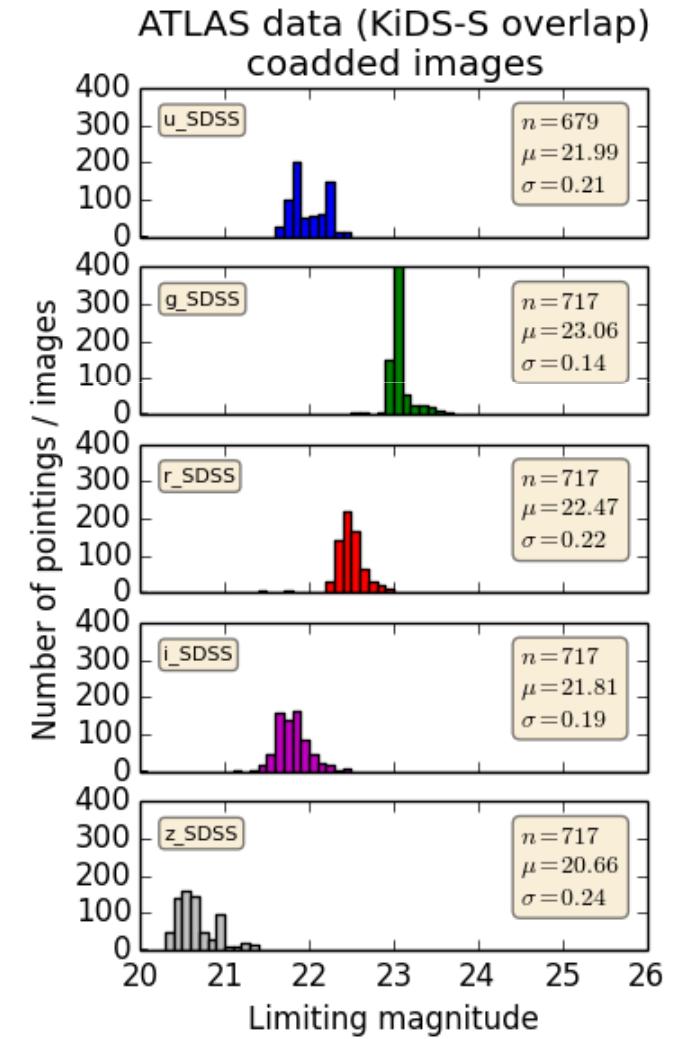
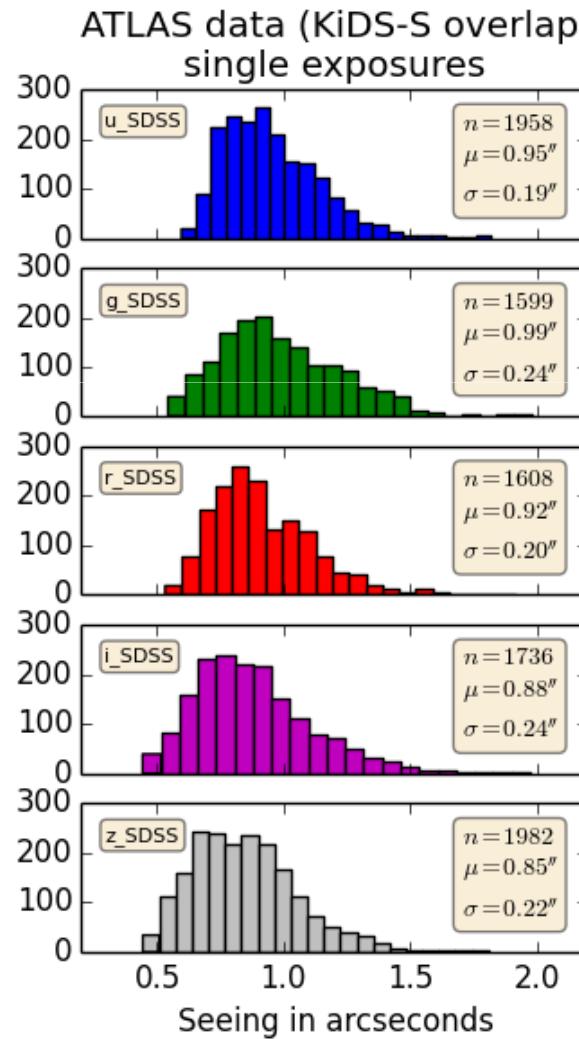
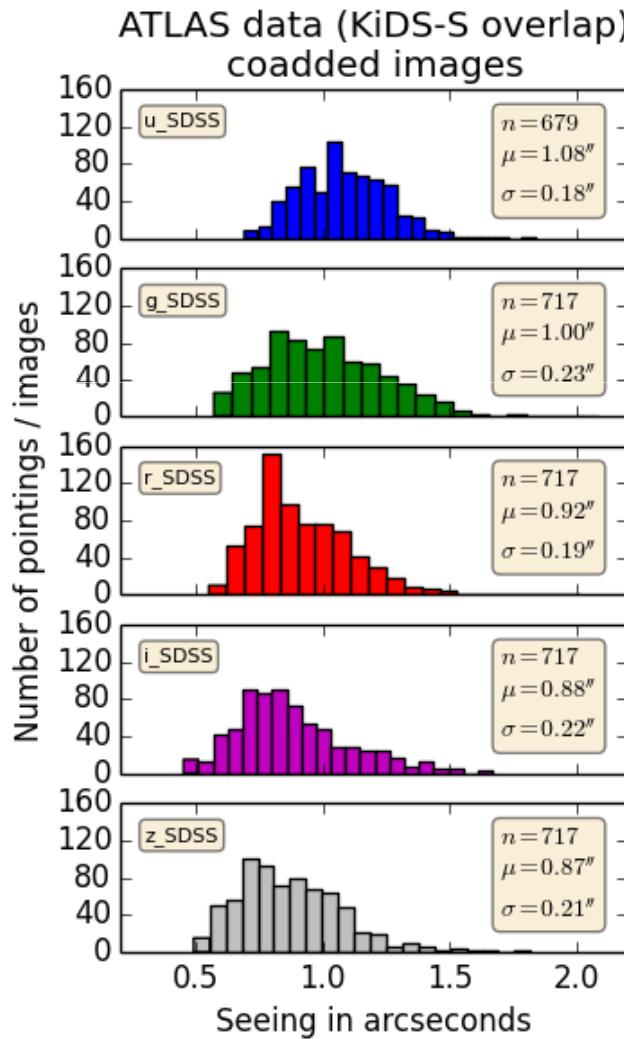
# Current status: ATLAS (reduced, Bonn)

5

- KiDS-S overlap: 769 sqr. deg. reduced and completed (725 ugriz / 769 at least griz), 6.6 TB total
- KiDS-N and RCS0357 overlap: 403 sqr. deg. reduced (330 with ugriz / 403 at least griz), 3.3 TB total
- Everything available in Bonn and in Edinburgh

# Current status: ATLAS statistics

6





# Checkplot types

# Checkplot types

8

- **calib:** Contains all calibration images
- **coadd:** Contains all coadded images plus weights
- **mag:** Magnitude, number counts and astrometry checkplots (last one only contains data if there is more than one image)
- **masks:** Contains r-band image overlayed with three masks: conservative, intermediate, strong

# Examples

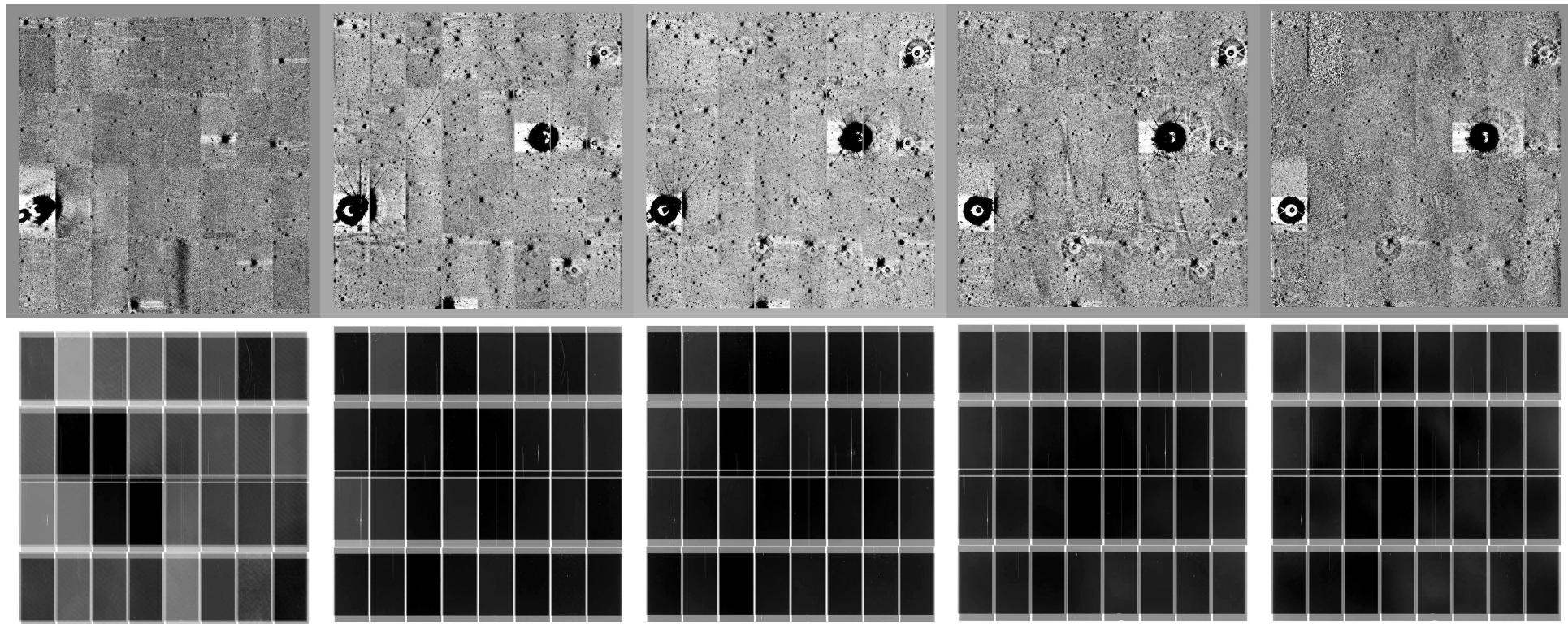
# Examples: Good pointing

10



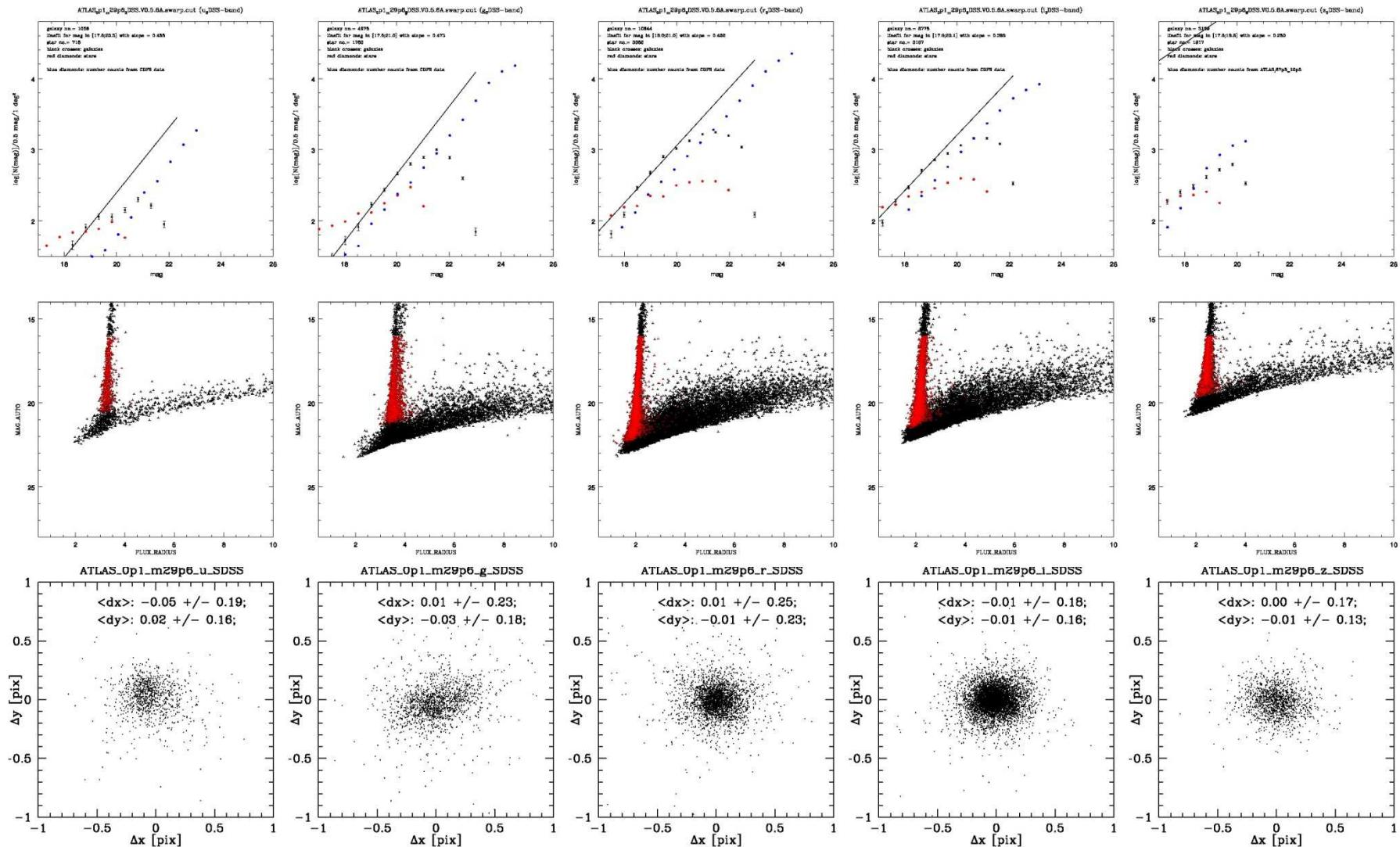
# Examples: Good pointing

11



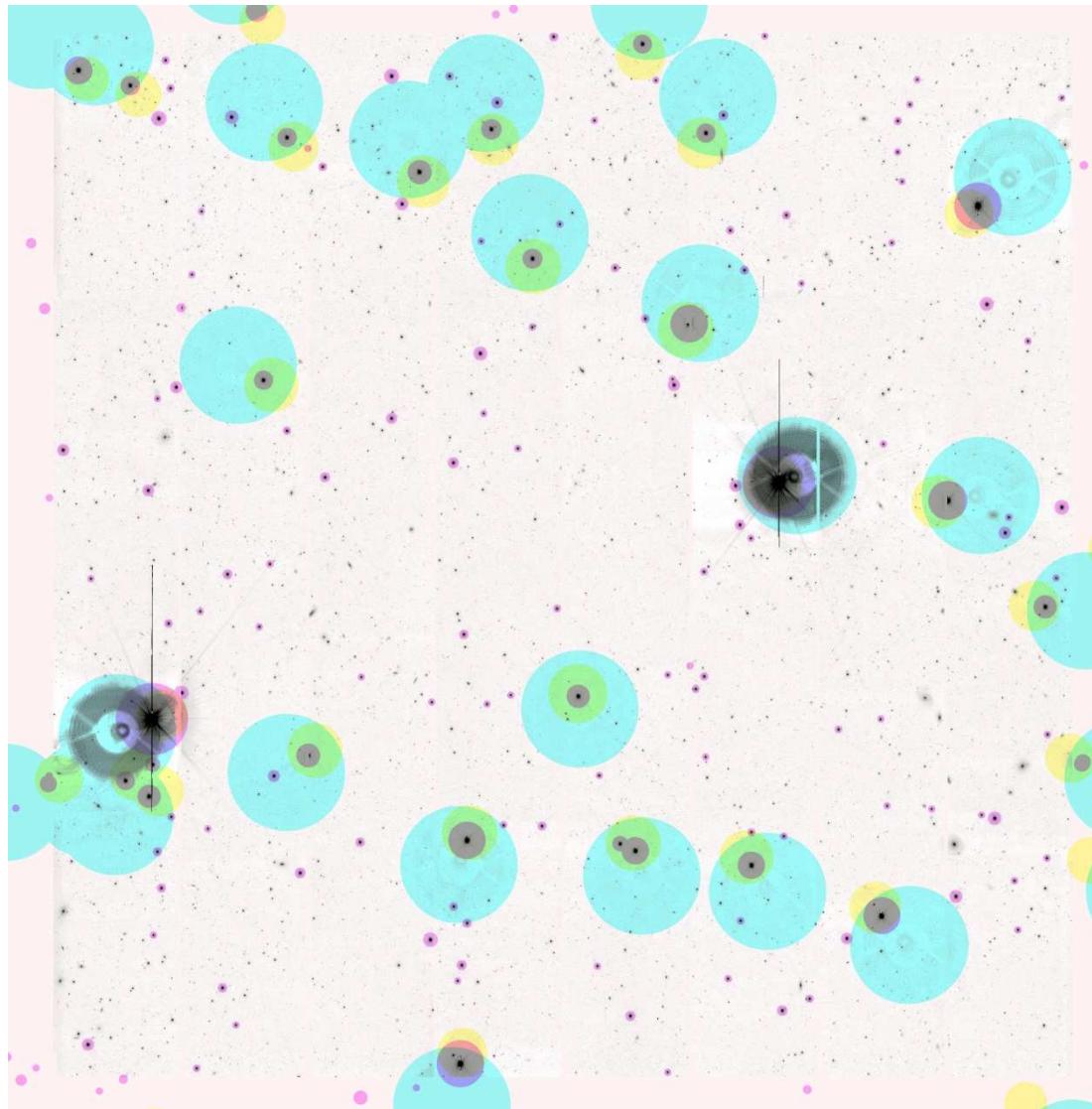
# Examples: Good pointing

12



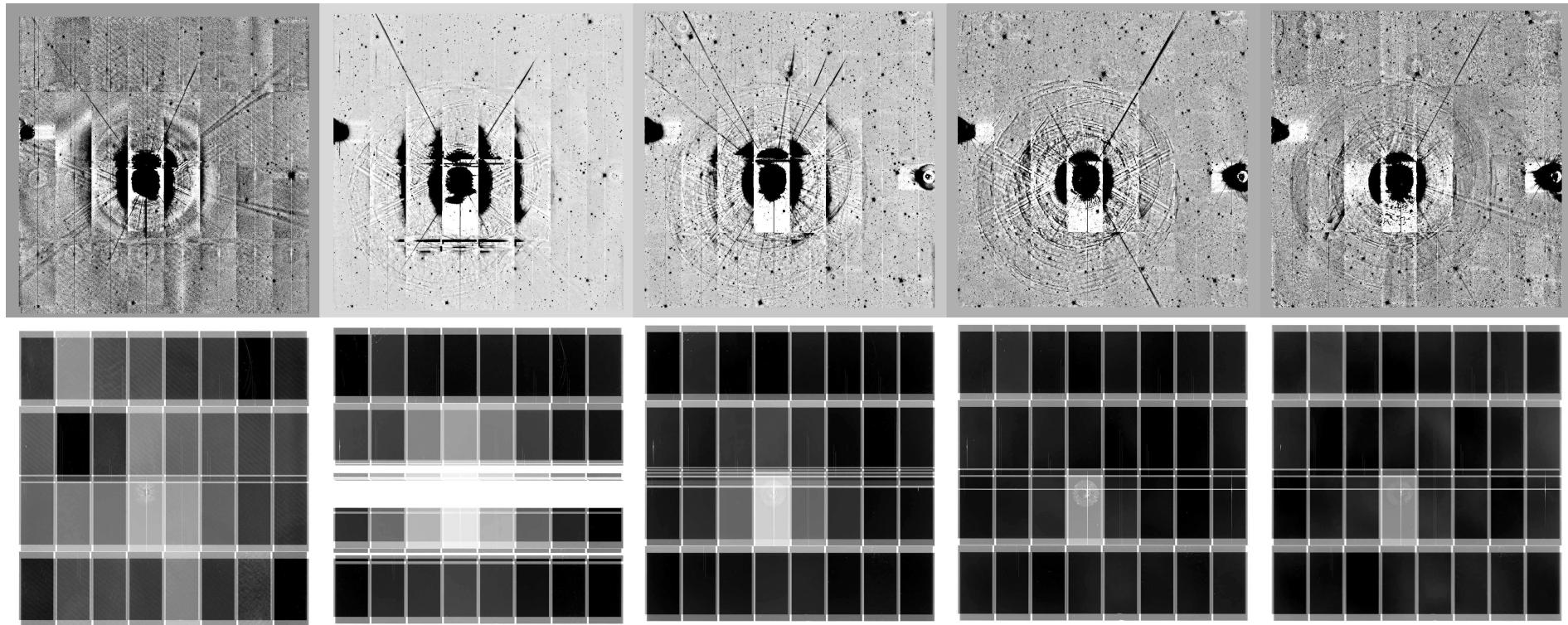
# Examples: Good pointing

13



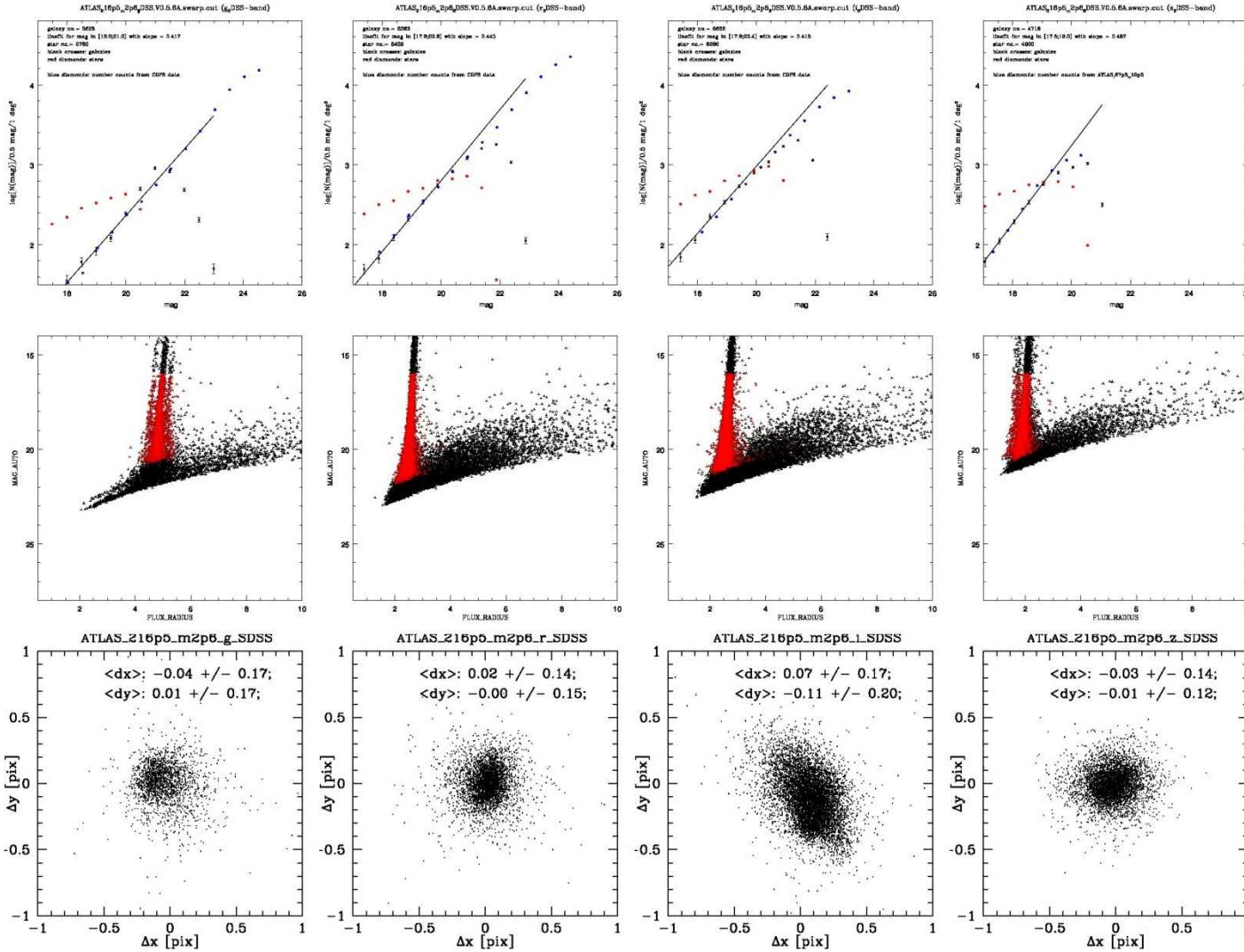
# Examples: Problems

14



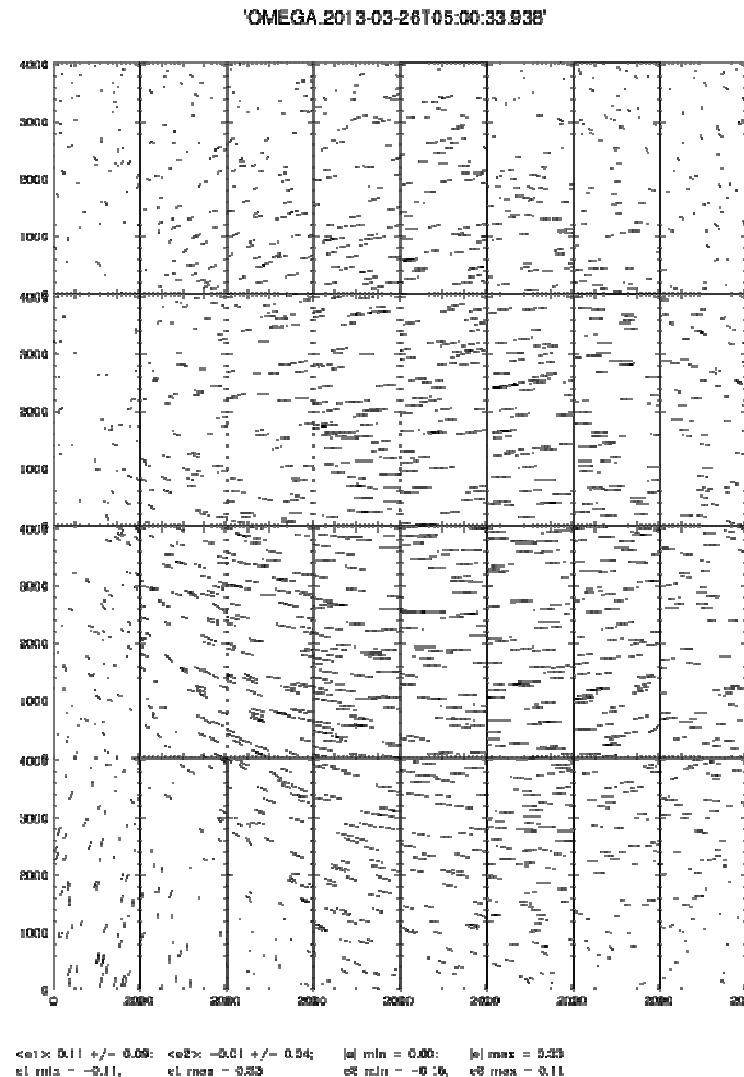
# Examples: Problems

15



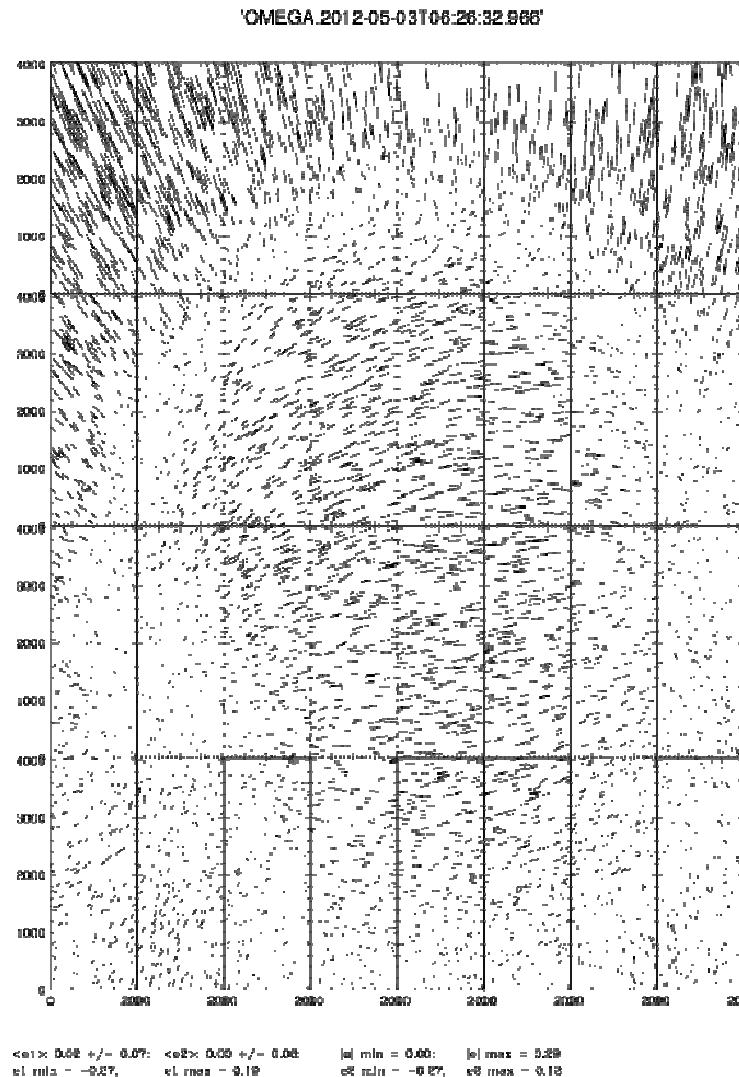
# Examples: Problems

16



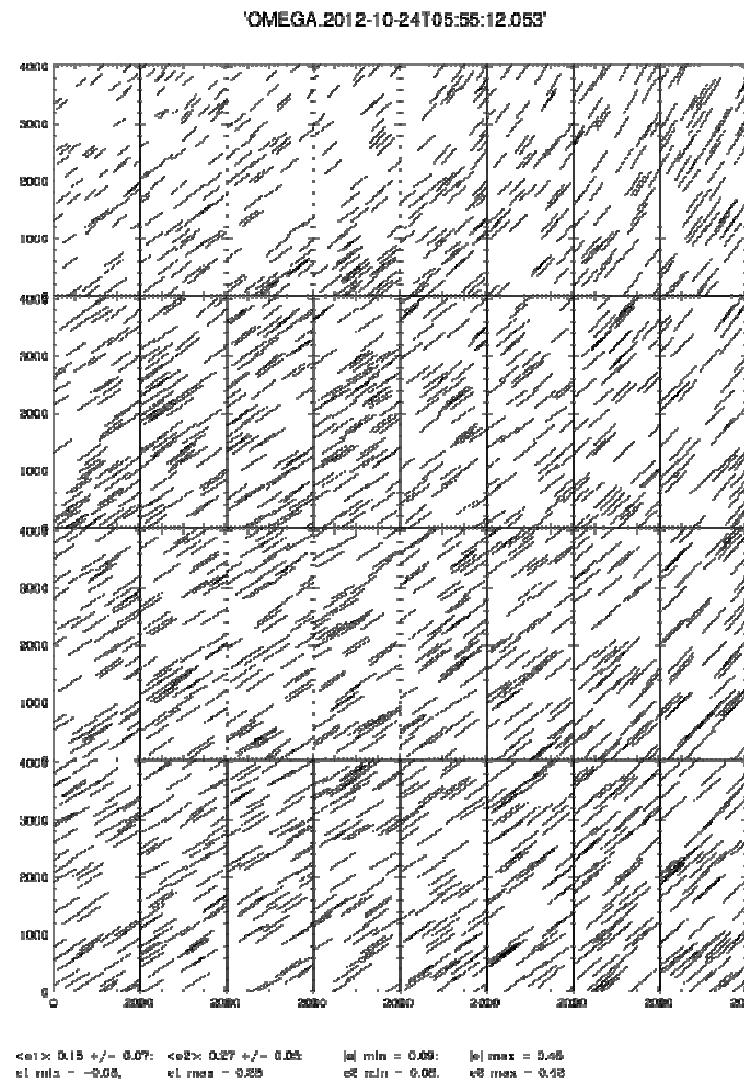
# Examples: Problems

17



# Examples: Problems

18



# Examples: Problems

19

