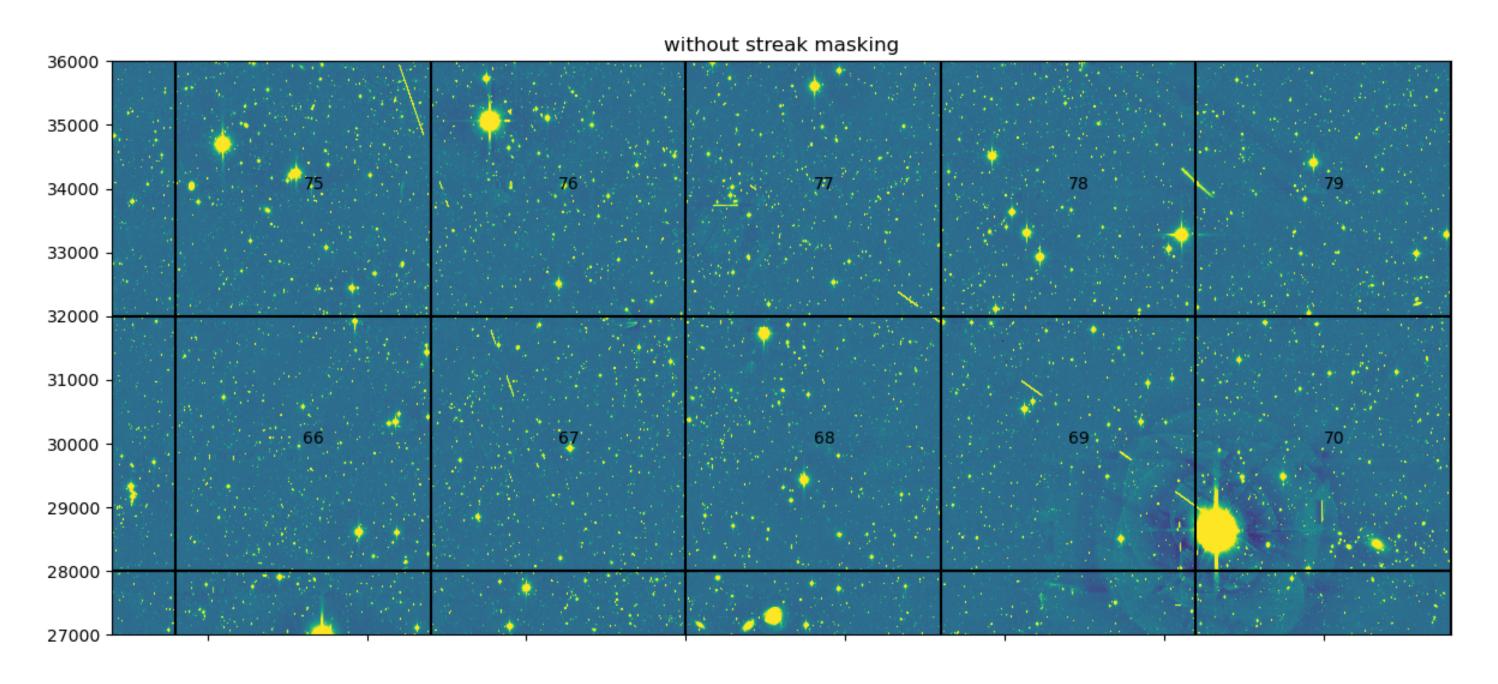
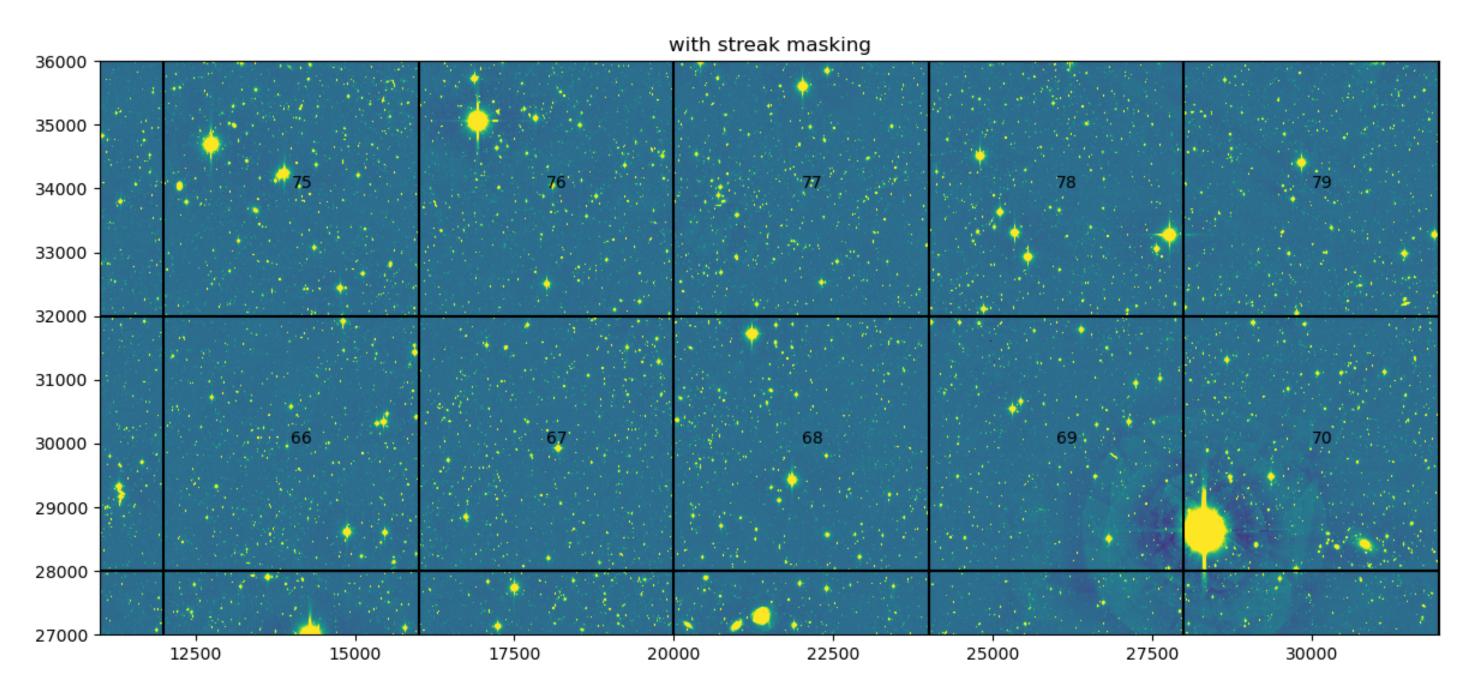
# The Present and Future of DM Streak Masking

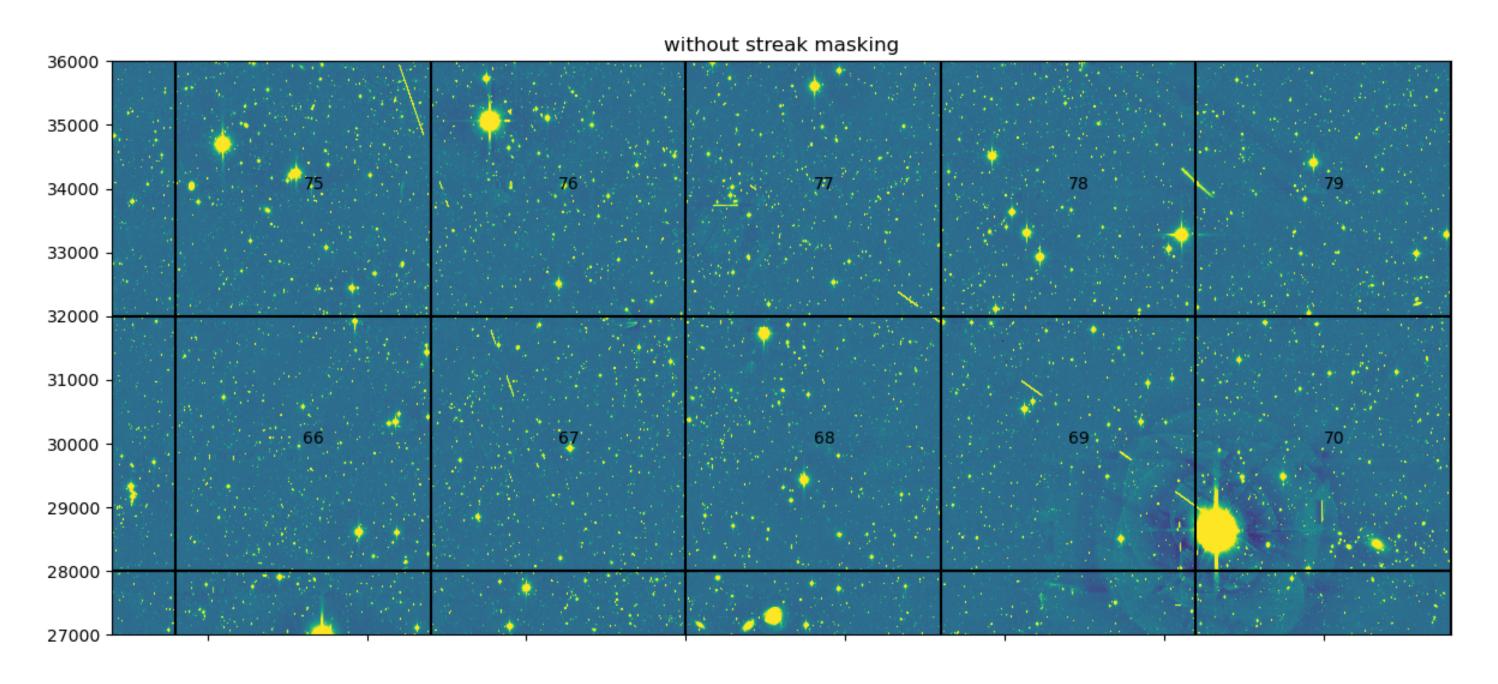
DM Team Meeting — February 16, 2022

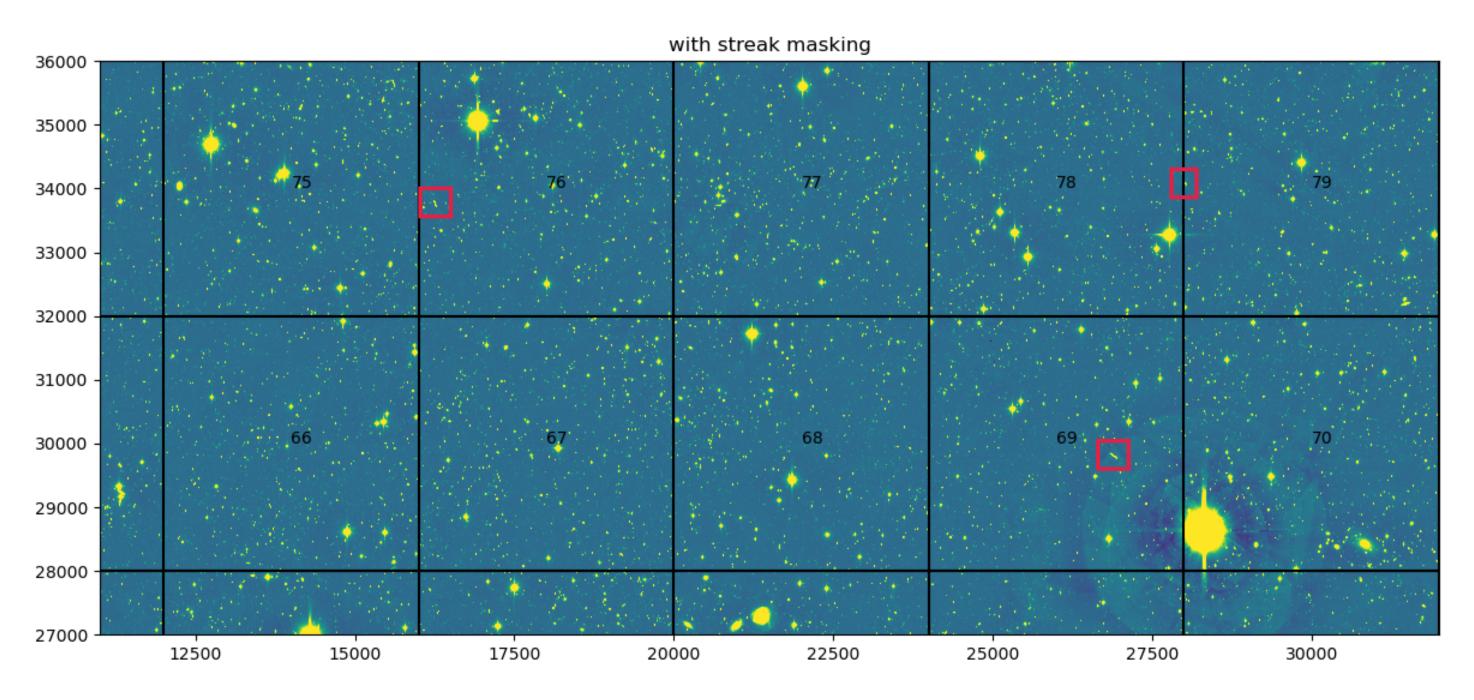
### Overview of the Current Procedure:

- Streak masking happens at the same time as temporal artifact rejection in assembleCoadd
- As such, it is done on a patch-by-patch basis.
- The streak masking procedure takes the detection mask and tries to detect straight lines using the Kernel Hough Transform.
- The model of the streak is fit assuming a Moffat PSF with no variation along the line and that the streak extends to the edges of the detector.
- A final mask is made using the intersection of the detection mask and the pixels where the streak model is above a given threshold.
- See DMTN-197 for more details.









## Adding metrics for streak masking

#### Possible helpful metrics:

- Numbers detected on short and long scales
- Brightness of the detected streaks
- Position on the field of view

## Low Surface Brightness Wings of Satellites

#### Are they a problem?

