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# WISE Operations MMR

## IPAC/WSDS Weekly Status Report

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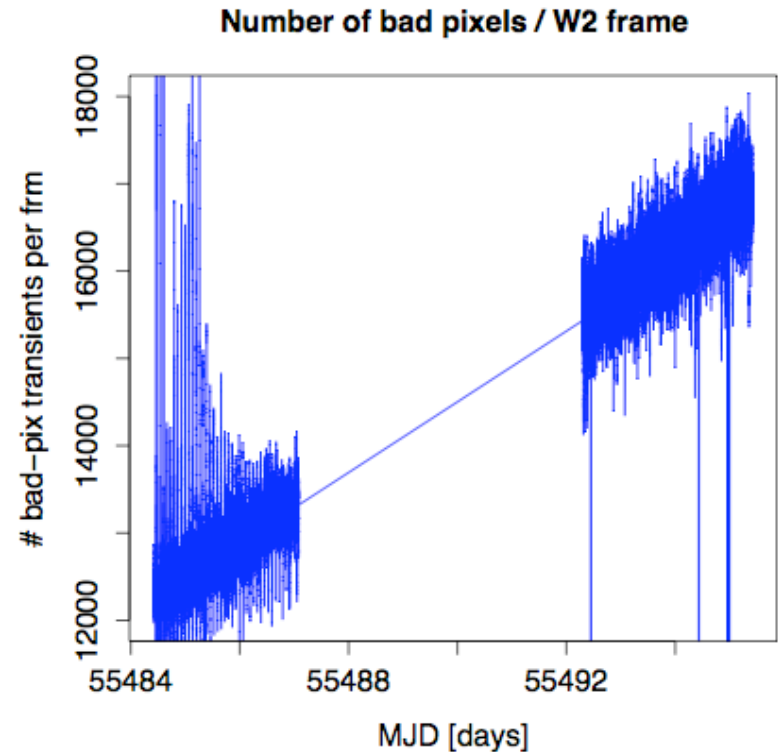
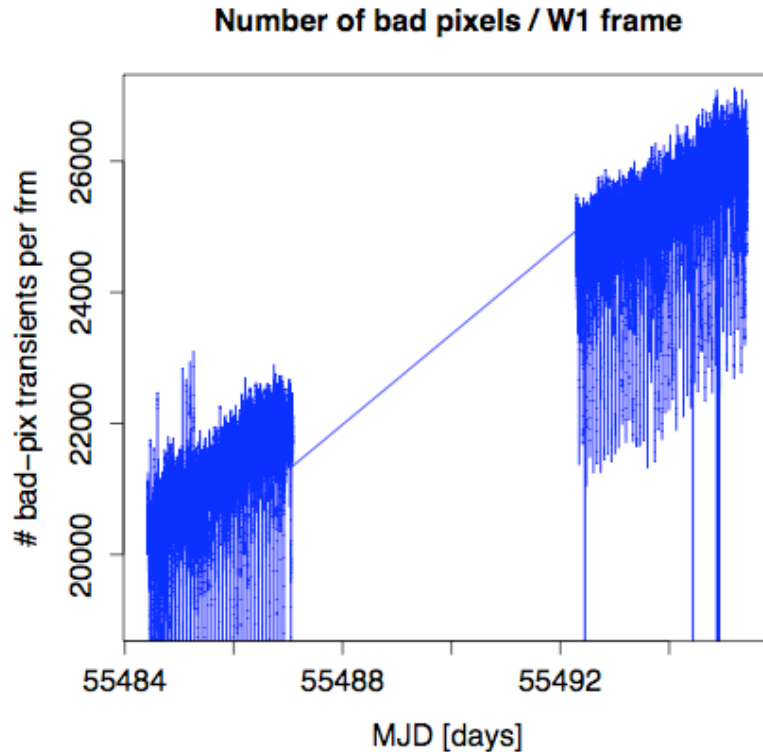


# W1, W2 (transient) bad pixels



WSDC Status

- trended ~47,000 frames over 10 days from scans 09217b [acquired Oct 15] to 09549b [acquired Oct 25]
- primarily hi/lo pixel spikes detected as spatial outliers repeating at same  $x, y$  for  $\geq 10$  consecutive frames
- automatically includes any new/old bad (static) hardware pixels
- bad-pix counts increase at ~700, 400 per day (per frame) for W1, W2 respectively



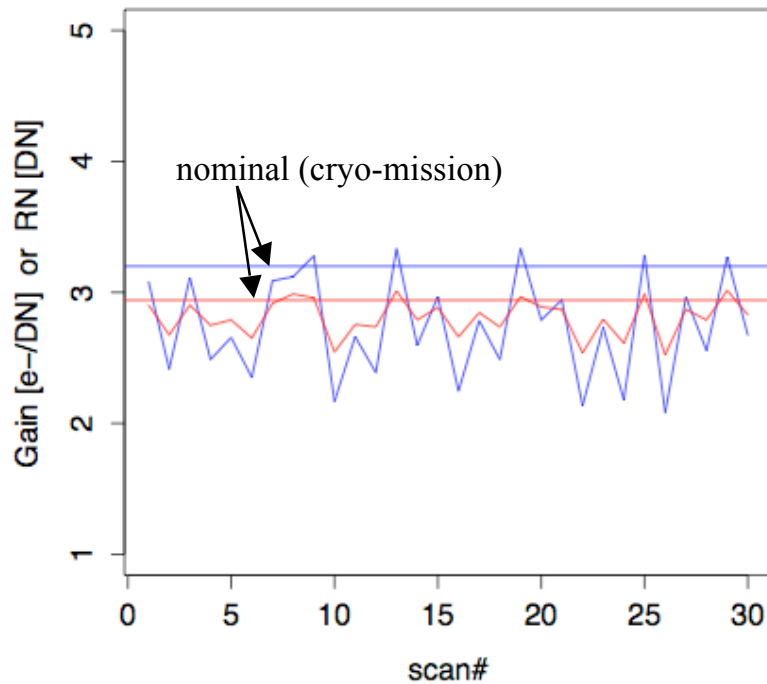


# W1, W2 gain and read-noise check

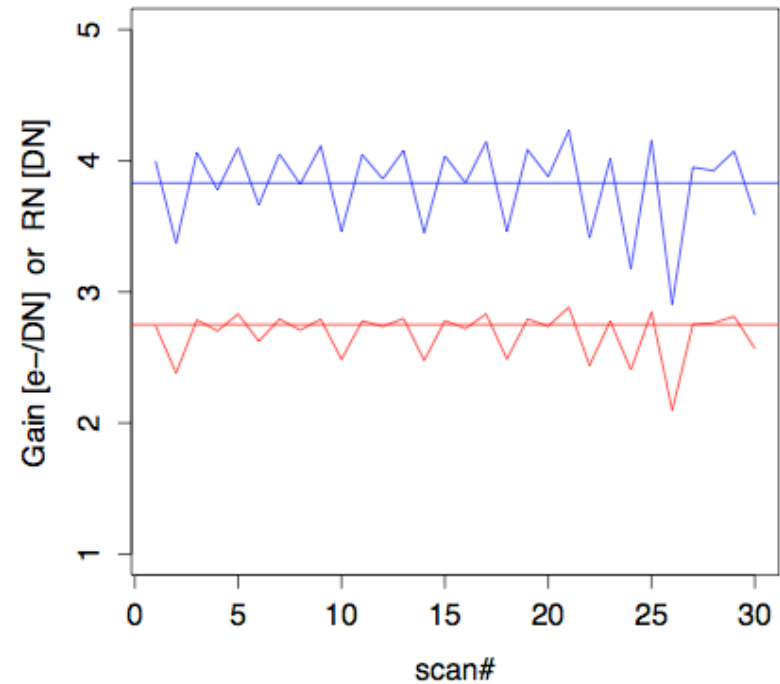


- explored 30 consecutive scans from Oct 25: 09480a -09509a
- based on fitting simple noise model to robust frame variance vs. mode background per scans
- surprisingly, W1, W2 gains and RN are close to nominal. W1 slightly discrepant.

W1 Gain (BLUE); Read-Noise (RED)



W2 Gain (BLUE); Read-Noise (RED)







# W1, W2 responsivity structure versus time



- made responsivity maps at three different dates from earlier this week (separated by a couple of days)
- testing on post-cryo frame data is currently in progress

