WISE Operations MMR

IPAC/WSDS Weekly Status Report

R. Cutri, T. Conrow, J. Bauer, R. Beck,
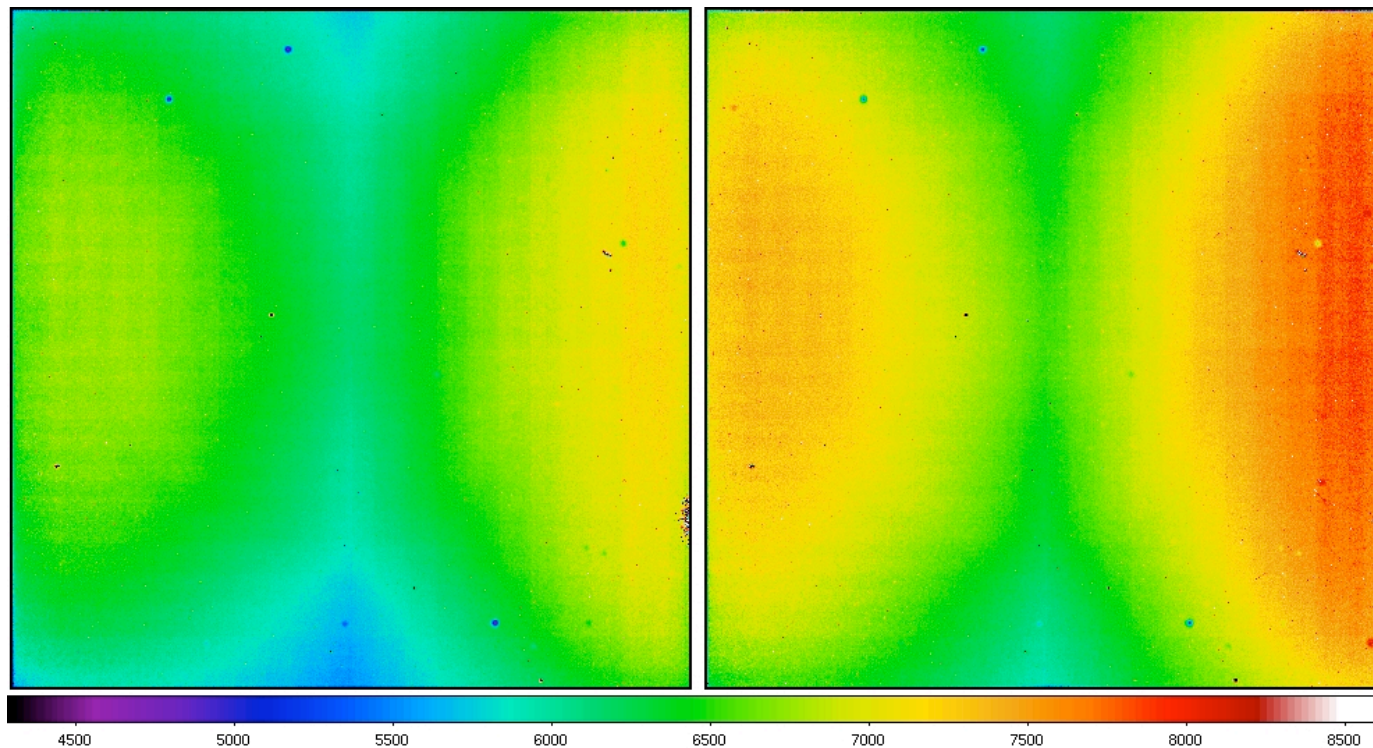
D. Kirkpatrick, F. Masci, L. Yan

W3 Level-0 frame backgrounds

- explored background gradients spanning scan range 08644a - 08733b [end-point frames shown below]
- middle of array gets effectively an additional 1.1 sec of integration and is expected to saturate first
- array edge is now >8000 DN, middle is >6500 DN (as we speak)
- non-linearity in FEB sample difference "2 - 1" may be affecting DEB signal from middle

Frame: 08644a001
UTC: 2010-09-26T10:31:55.69
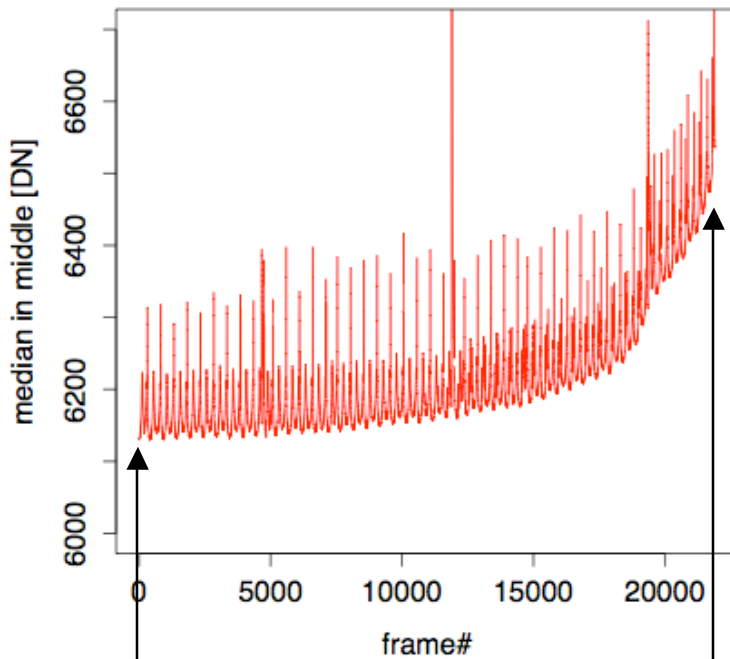
Frame: 08733b222
UTC: 2010-09-29T10:30:12.51

National Aeronautics and Space Administration
Jet Propulsion Laboratory
California Institute of Technology

W3 Level-0 frame differential background

WISE

WSDC Status

- signal in edges of array has increased faster than in middle over last 3 days by ~150 DN
- expect "edge - middle" difference to flatten, then turnover upon saturation of FEB sample #2 over entire array

L0 middle strip

Difference: L0 edge – middle

Frame: 08644a001
UTC: 2010-09-26T10:31:55.69

Frame: 08733b222
UTC: 2010-09-29T10:30:12.51