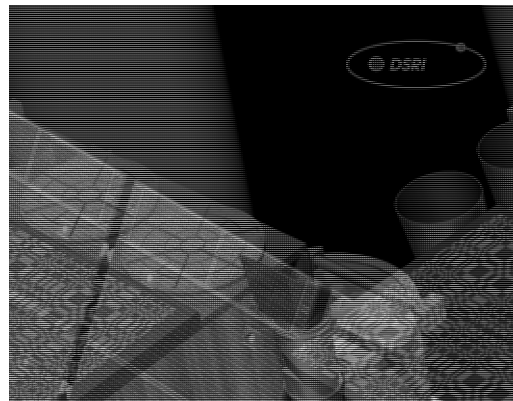


# JEM-X Status

November 2007

Søren Brandt  
&  
the JEM-X team

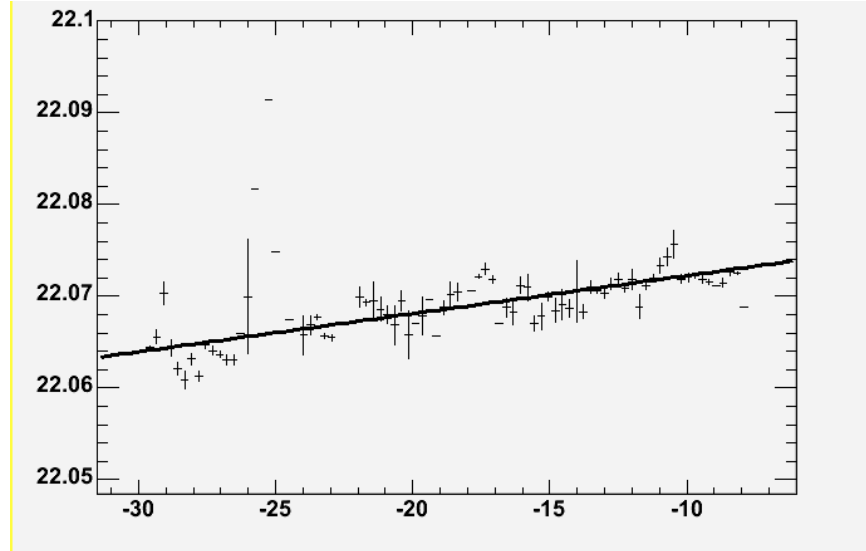
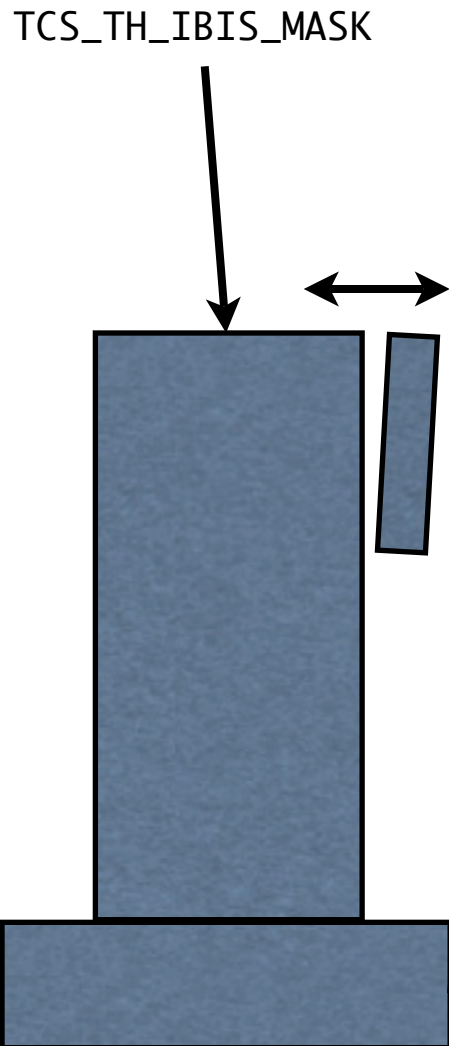


## JEM-X1 Gain History

¥ JEM-X1 DV setting was most recently lowered in orbit 533 to DV=73, next lowering to DV=72 will take place in orbit 623

Temperature corrected gain  
relative to orbit 170

# Thermal effect on misalignment



Data looked at:

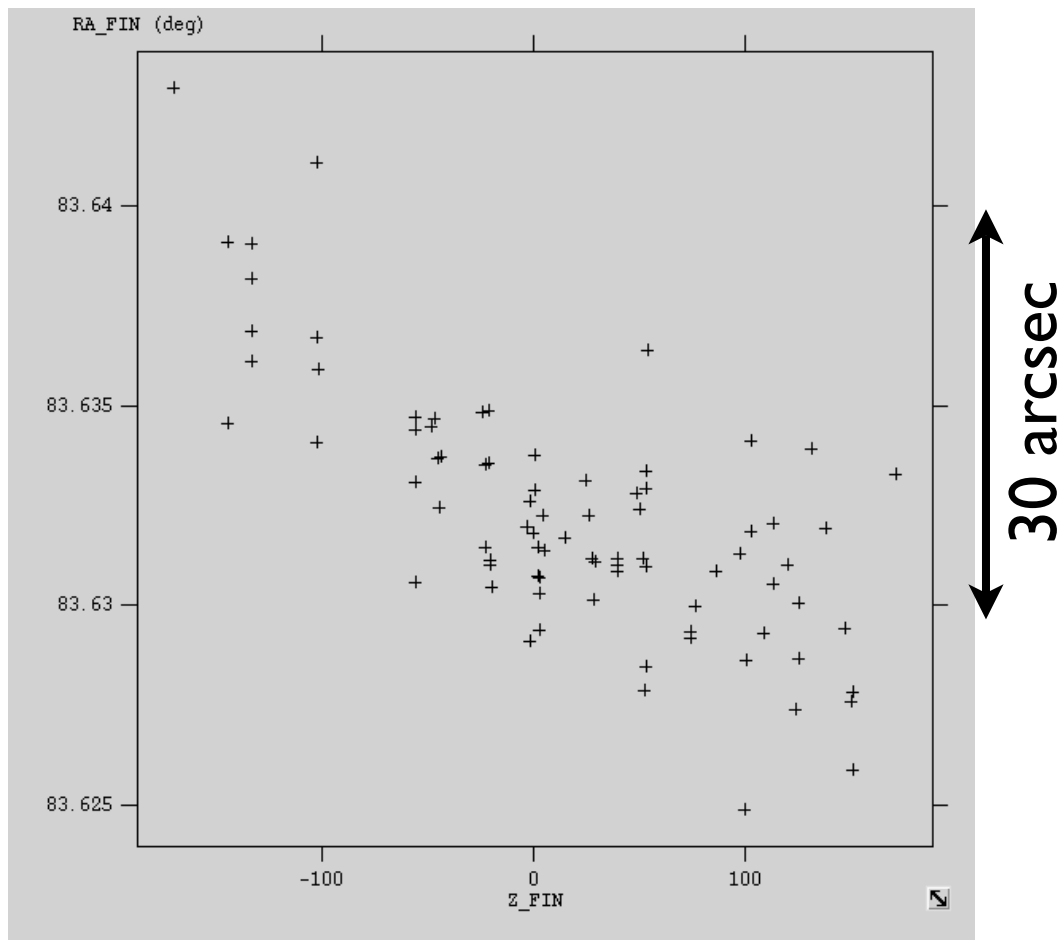
- Crab all data and specific revolutions
- Cyg X-1

Deviations 20-30 arcsec

→ Rotation around Z axis  
→  $\arcsin ( 1.08E-5 - 2.57E-6 * T - 1.87E-7 * T * T )$   
T=TCS\_TH\_IBIS\_MASK

Typical uncertainty: 15 arcsec with short exposure

# There are probably other effects at that level of accuracy



A set of Crab observations with longer exposure (to obtain 5 arcsec position) could be useful to improve our understanding