# CCD Photometry of the Dust Component in the Comet C/Machholz (2004 Q2) with the New CCD Camera Attached at the 2mRCC Telescope at BNAO Rozhen

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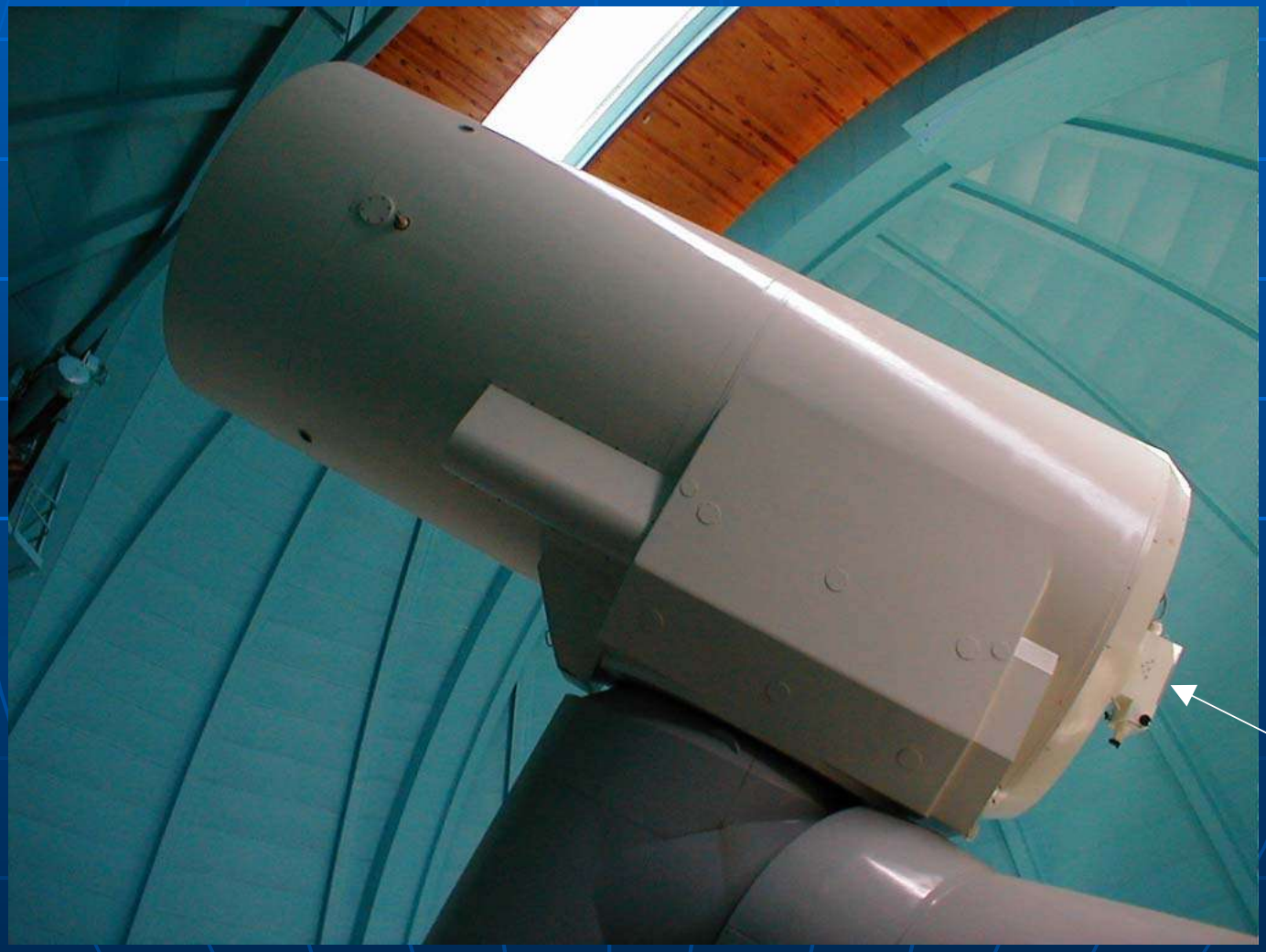
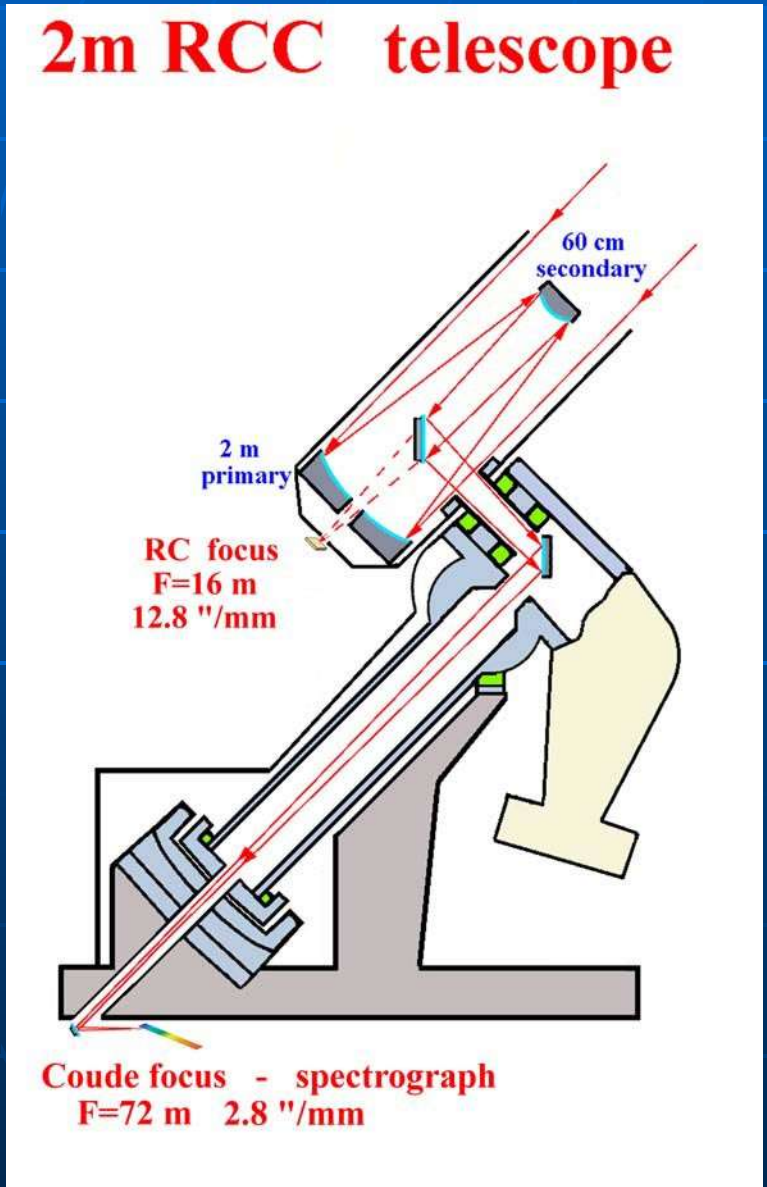
# The Dome of 2mRCC Telescope

# 2mRCC Telescope



# Characteristics




VersArray: 1300B

1340 x 1300 imaging array

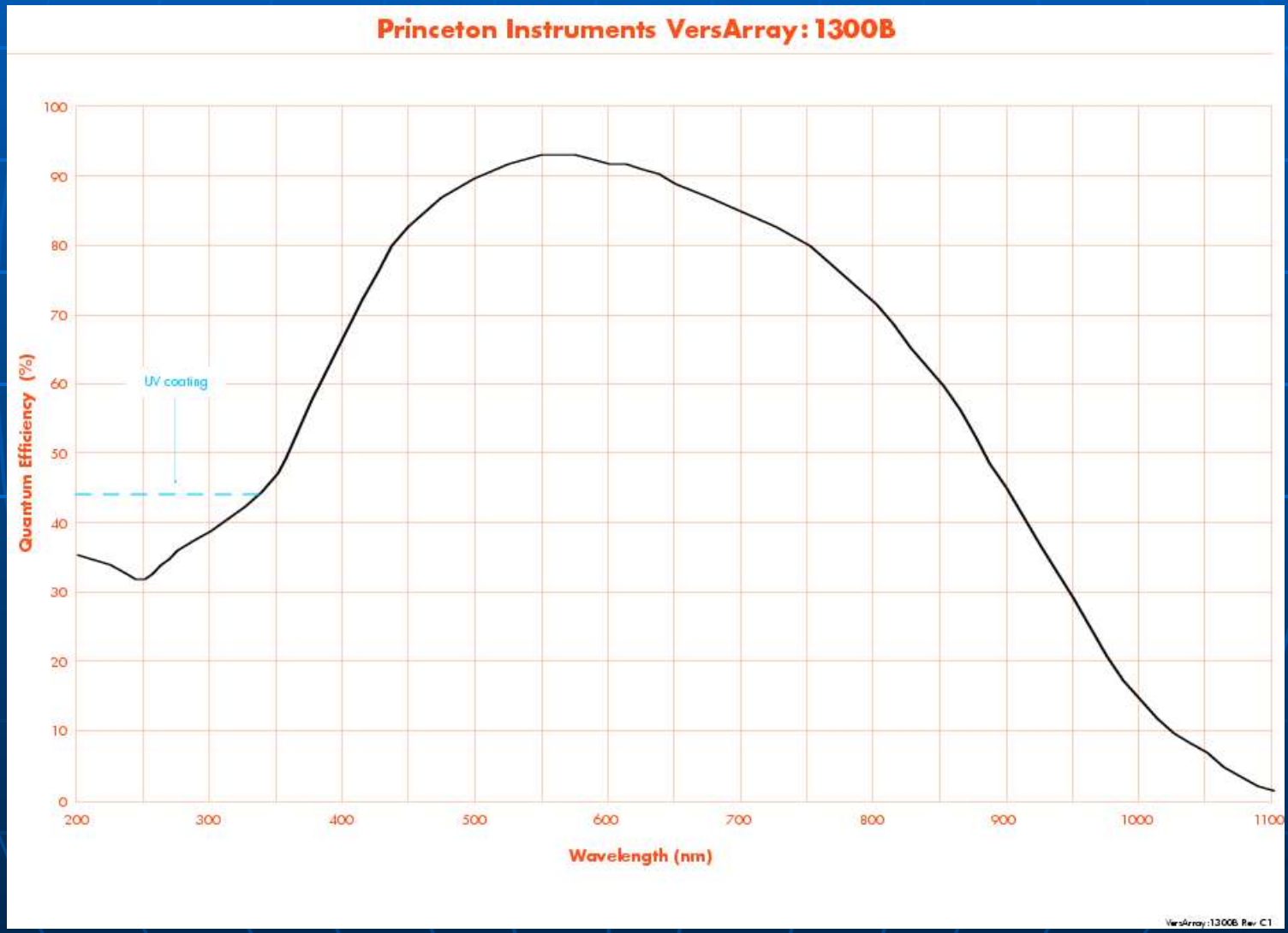
20 x 20 μm pixels

Resolution

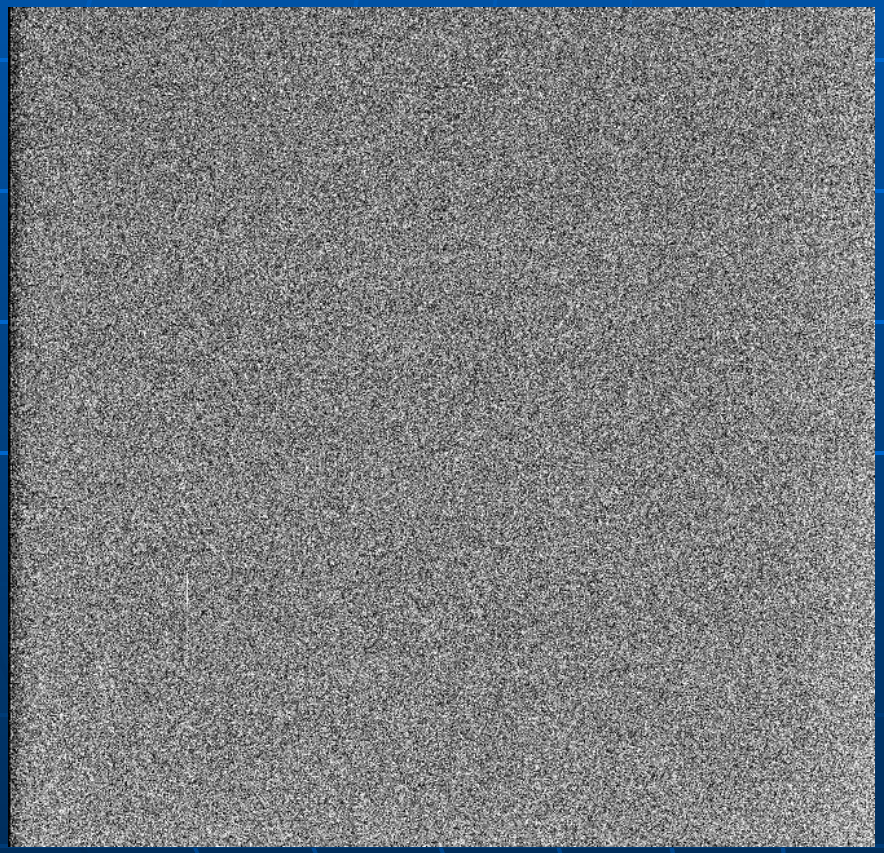
0.2578 arcsec/px – 3.8785 px/arcsec

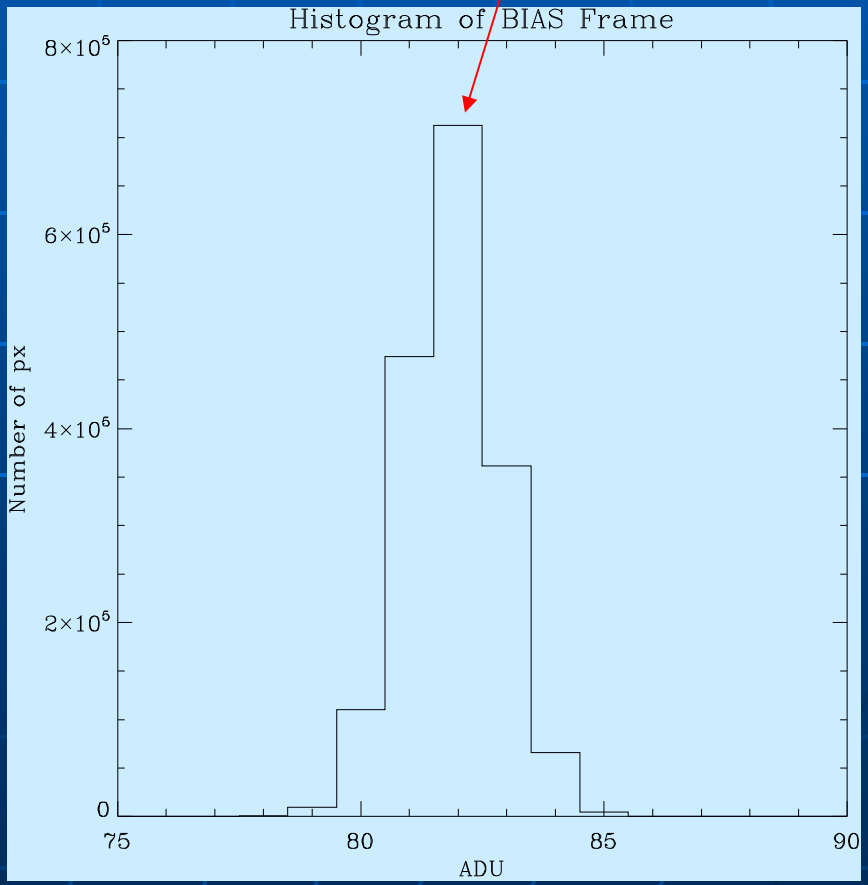
FOV: 5.76 x 5.59

# Quantum Efficiency of the CCD

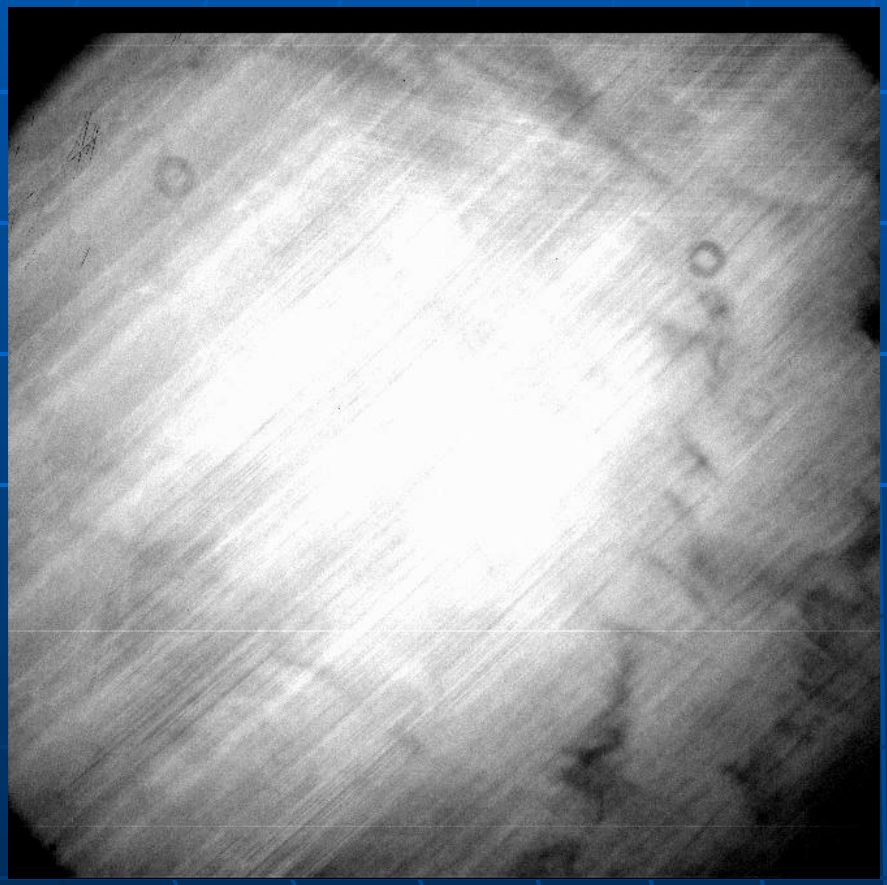


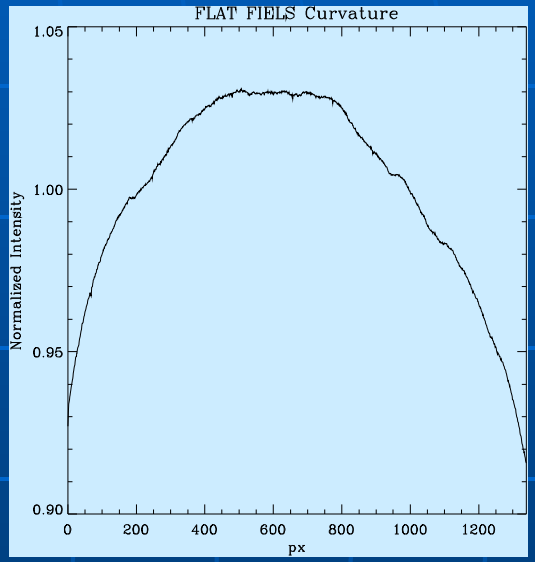
# BIAS Frame

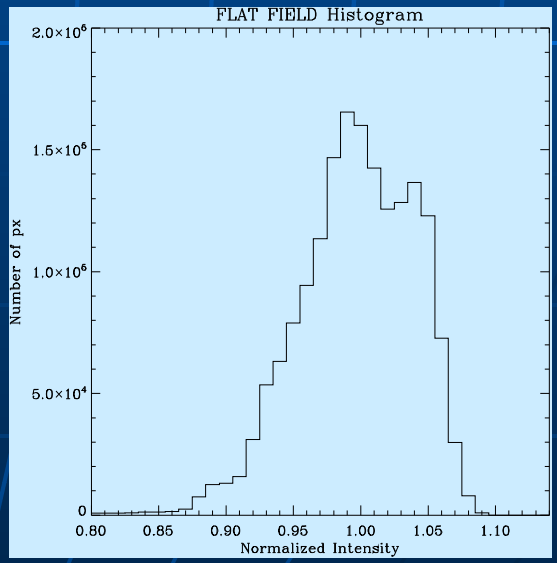



82 ADU
Histogram of BIAS Frame
8×10⁵
6×10⁵
4×10⁵
2×10⁵
0
Number of px
75
80
85
90
ADU

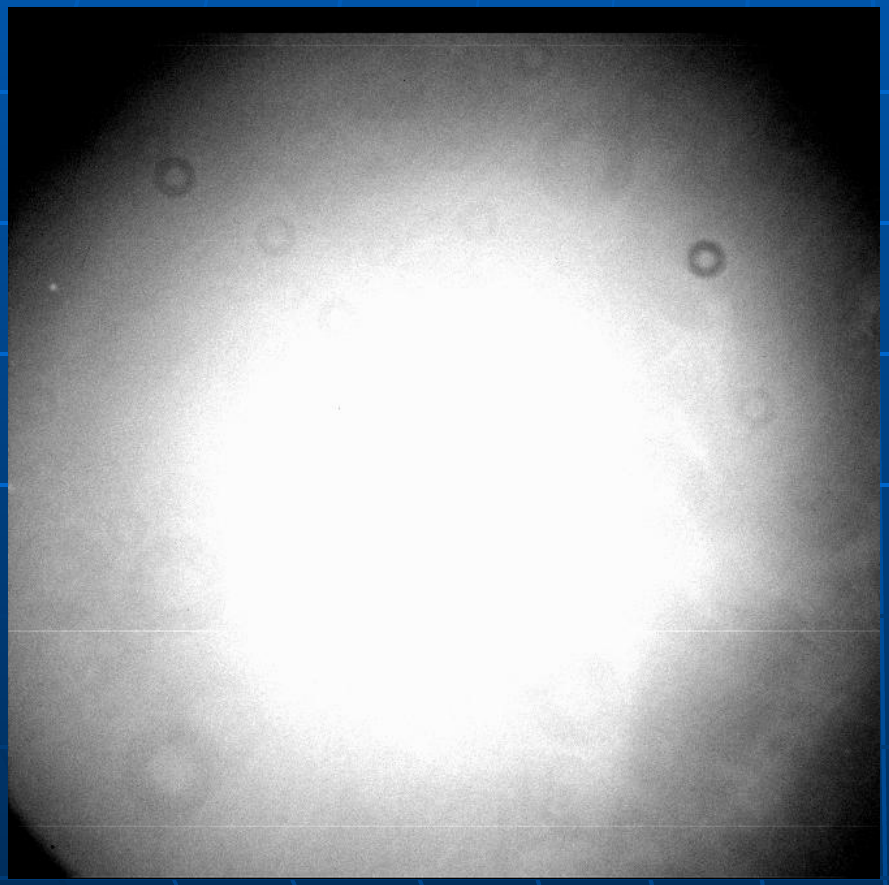
# FLAT FIELD in IF443

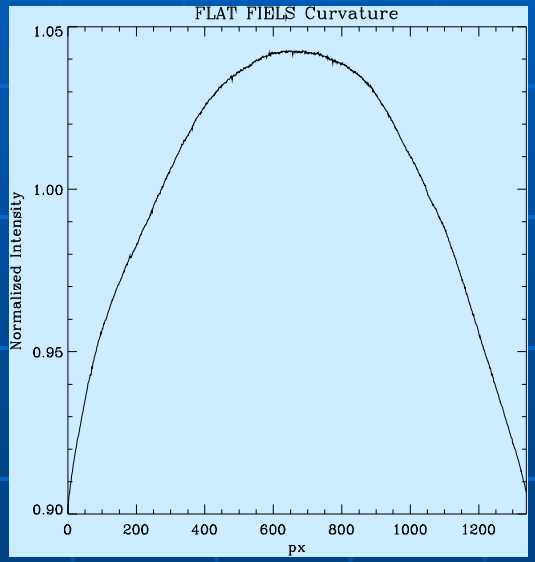


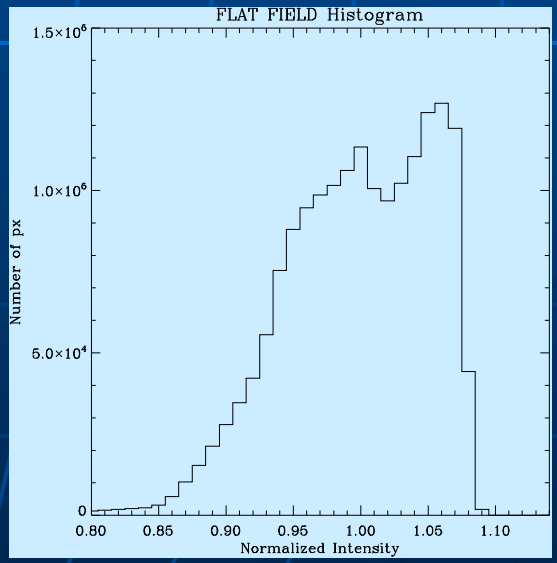


# FLAT FIELD in IF684

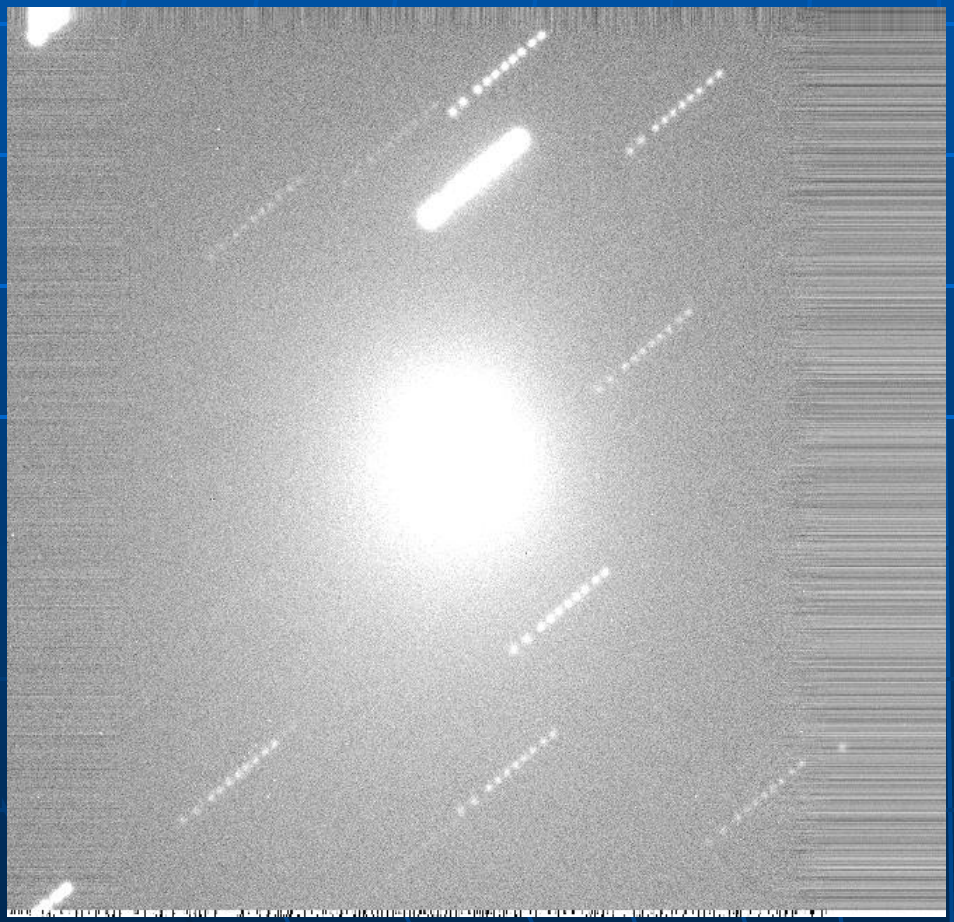




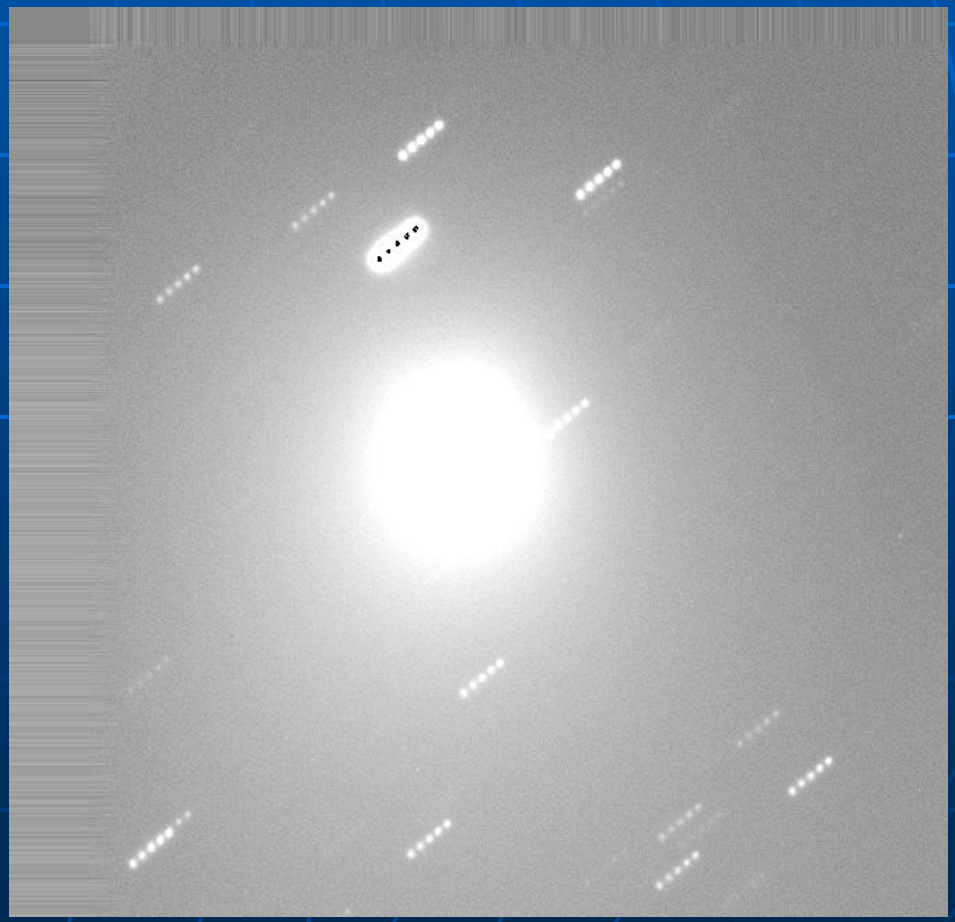



# Comet C/Machholz (2004 Q2)
# 17 March 2005

IF443 – Blue Continuum



IF684 – Red Continuum



# Dust Jet in the Inner Coma