



180mm/2.8 Zeiss Sonar Lens23P/Brorsen-Metcalf September 1989

Schmidtcamera f 450mm 1:1,9





Kodak Technical Pan Film – performed not nearly in resolution to the Schmidtcamera We had only one image for a print – no stacks have been possible













Thankfully digital imaging find ones way into astroimaging Corona Australis_Namibia 2001_14" f 3.3_6x9cm Film

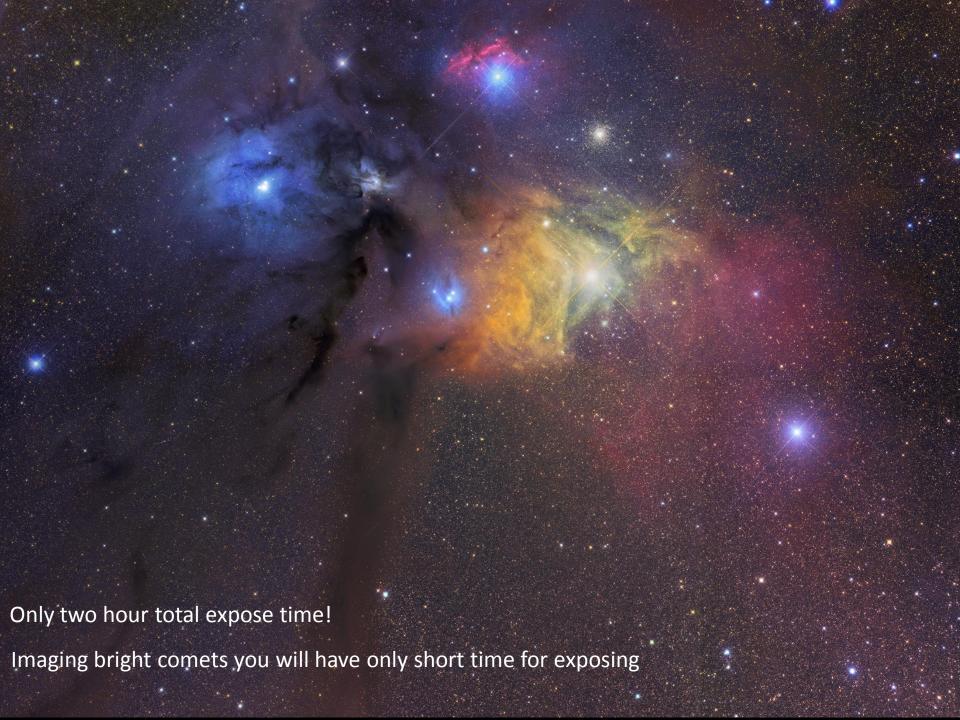








Fast focal ratio – portable – wide field Hyperbolic Astrograph f 2.8 60mm CFOV FLI PL 16803 camera 52mm Sensor Diagonal Corrected FOV 3,5 x 3,5 °



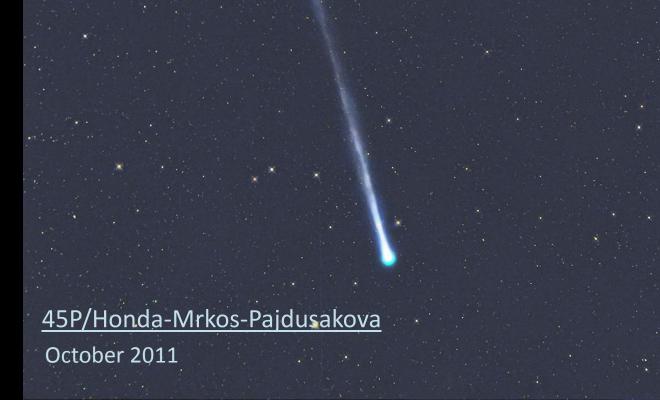
The difference to Deep Sky imaging are:

- Images of comets are unique you have only one chance
- The time window for imaging is very short
- Motion of the comet
- Motion of the tail
- You have to been fast in processing

Komet C/2009 P1Garradd Video
March 2012

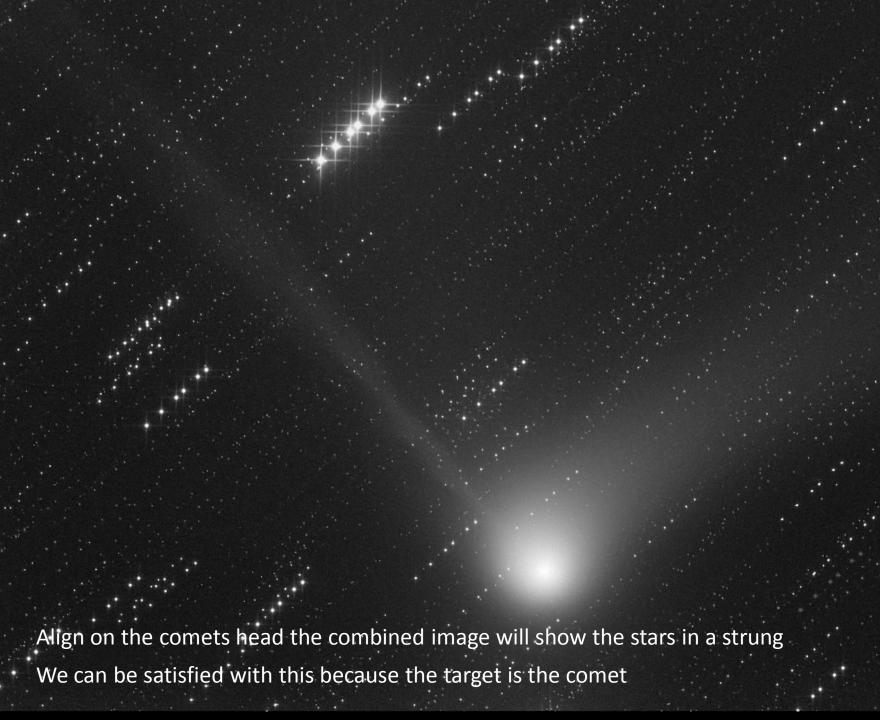
153P/ Ikeya-Zhang March 2002 Schmidtcamera











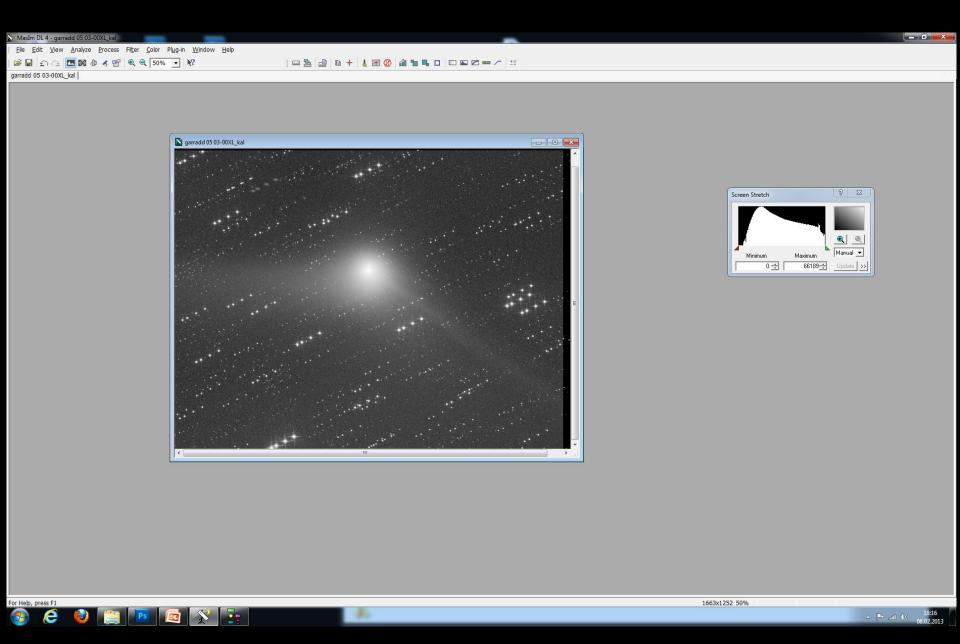
Or we can try to receive a pretty picture which shows comet and stars sharp as well

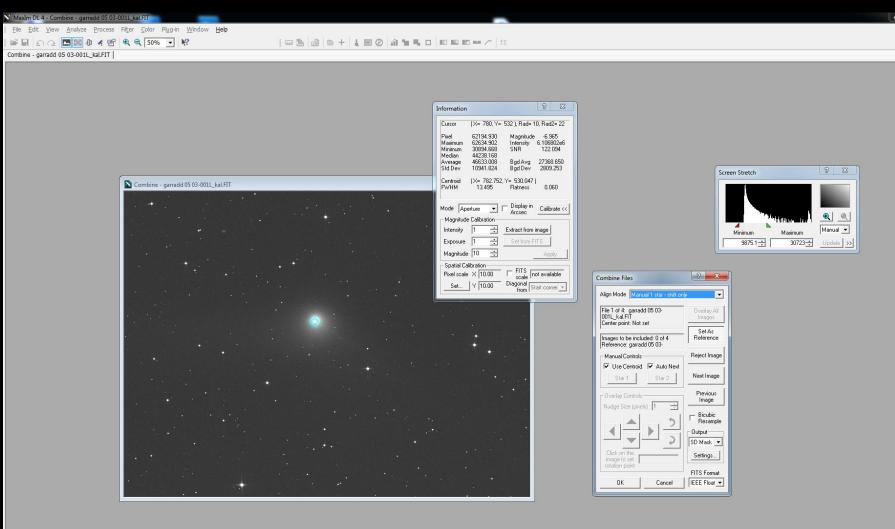
How can we achieve such a result:

We have to align and combine on the comet and eliminate the stars from the image

Next we have to align and combine on the stars and eliminate the comet from the starfield

Finally we have to fade in the comet image into the star field

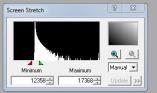




Align on the comets head and combine with SD Mask or Sigma Clip







The result shows that the stars are removed but uneven background remains

SHIP STREET











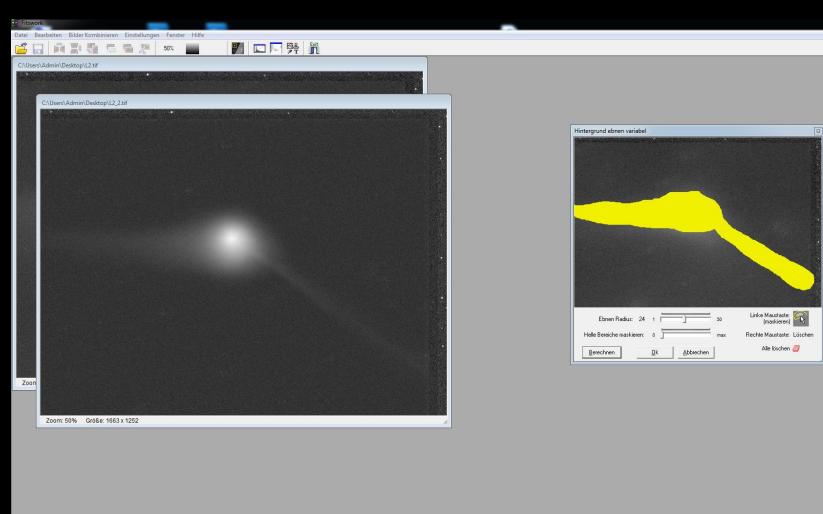




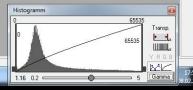








Flatten background with Fitswork















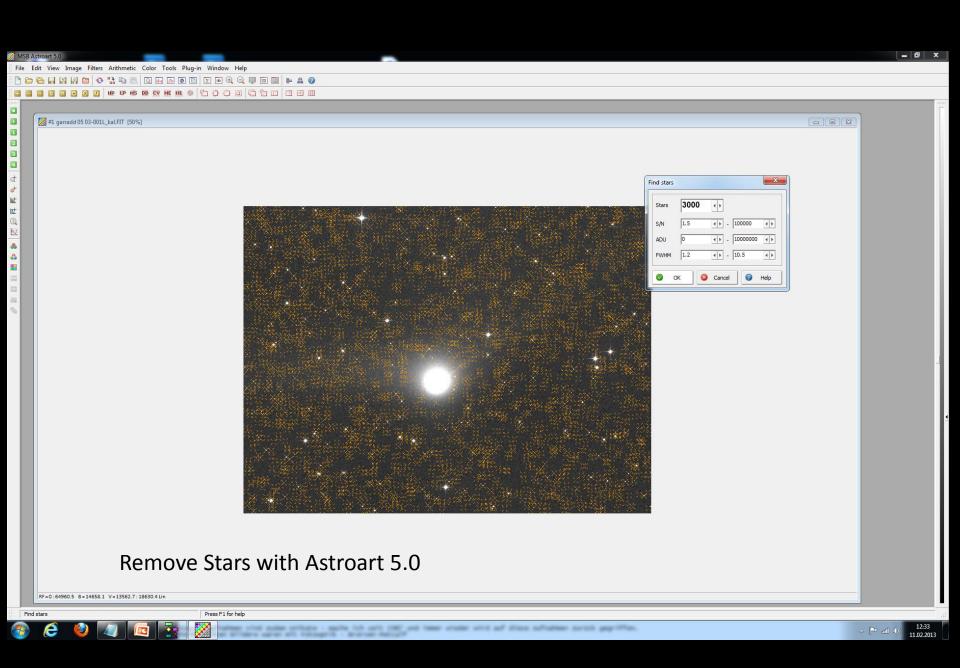


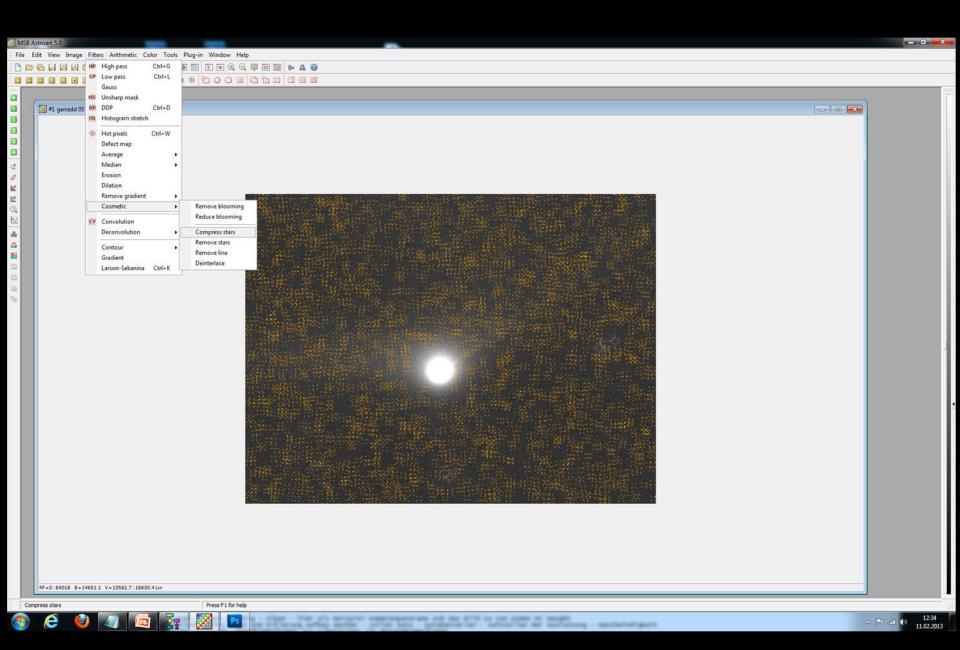
The algorithm of the programs to eliminate the stars requires at least 4 images

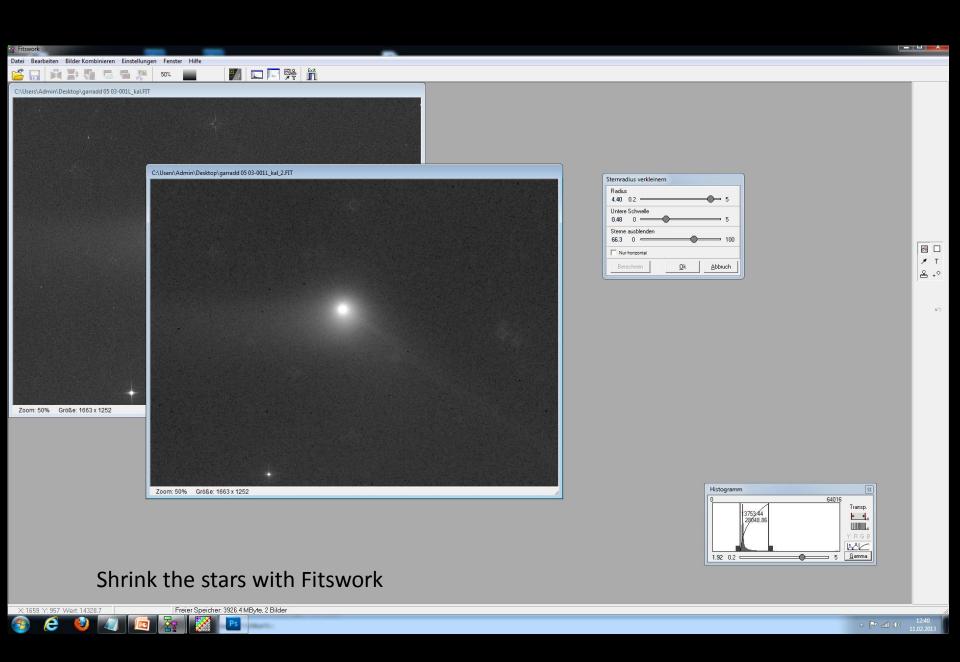
In respect of bright comets with small elongation at perihelion the time for imaging before dusk or after dawn is very short

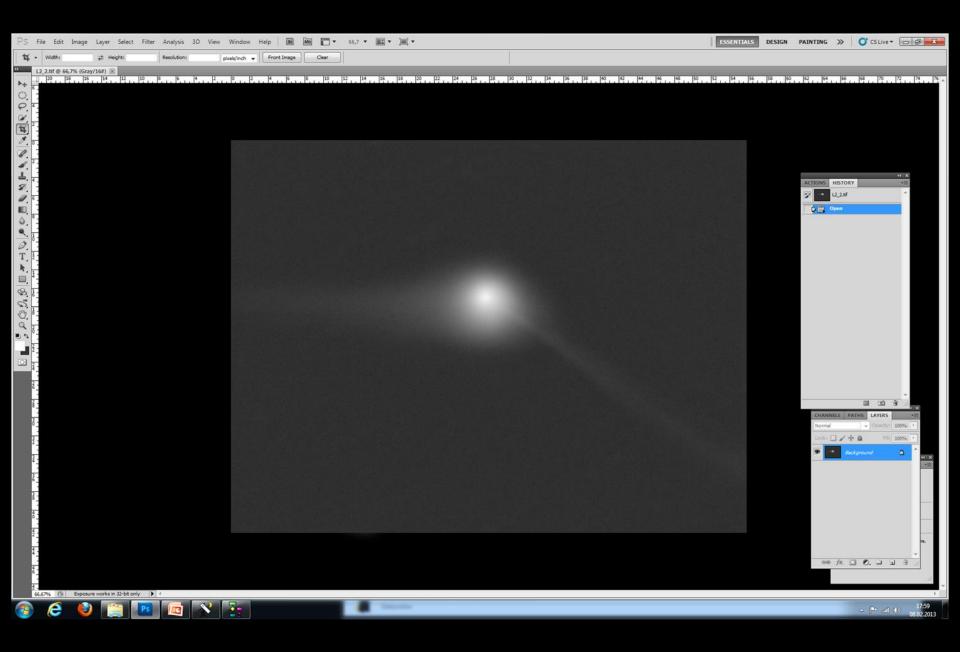
Thus we have to expect that we will not have the number of images required

How can we proceed in this case, to eliminate stars

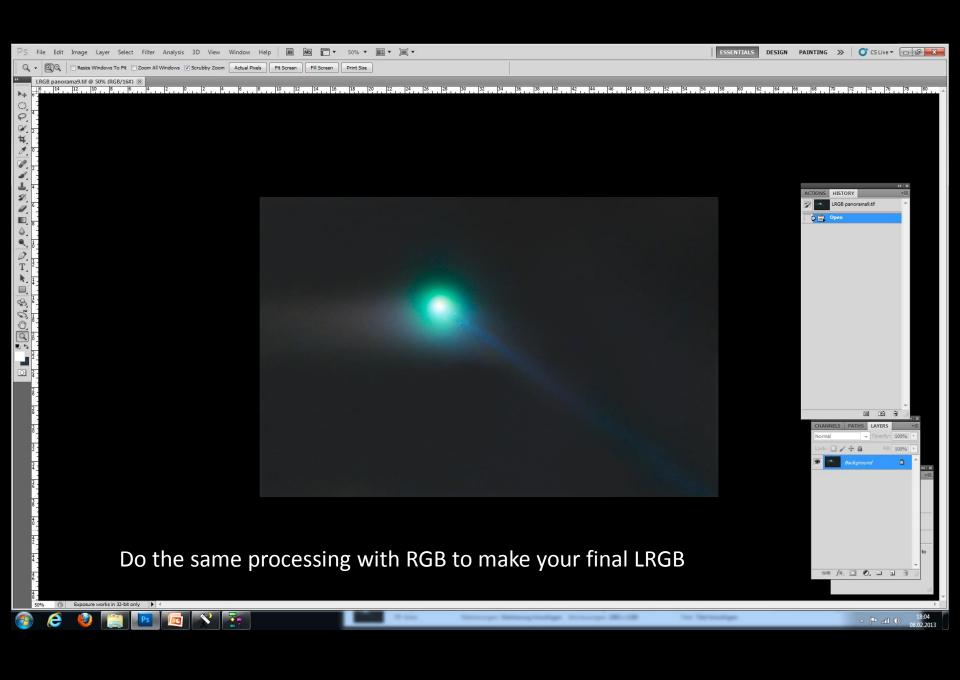


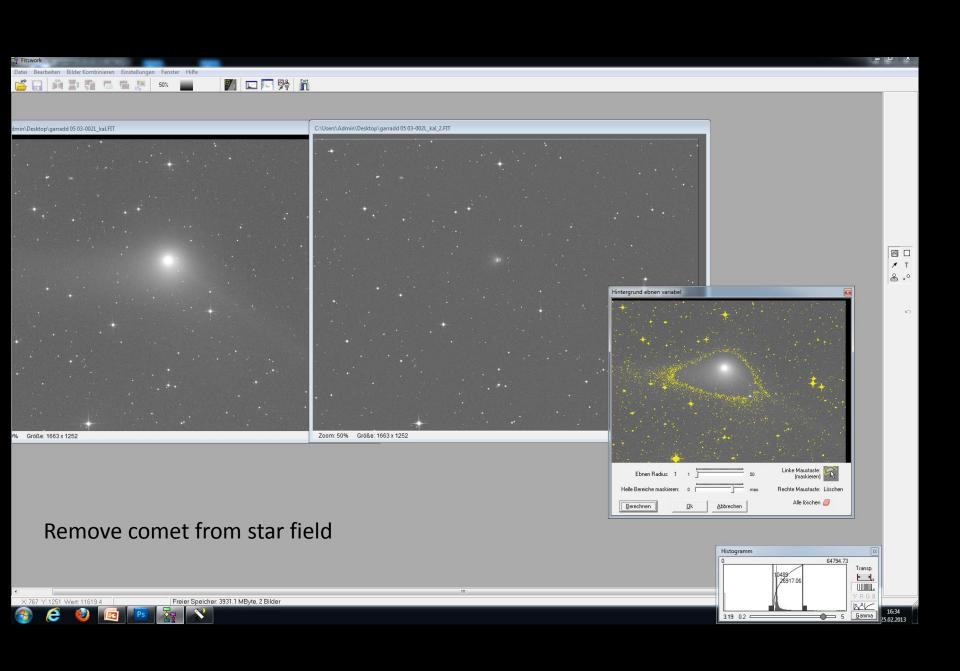






I prefer Photoshop to stretch the image to taste

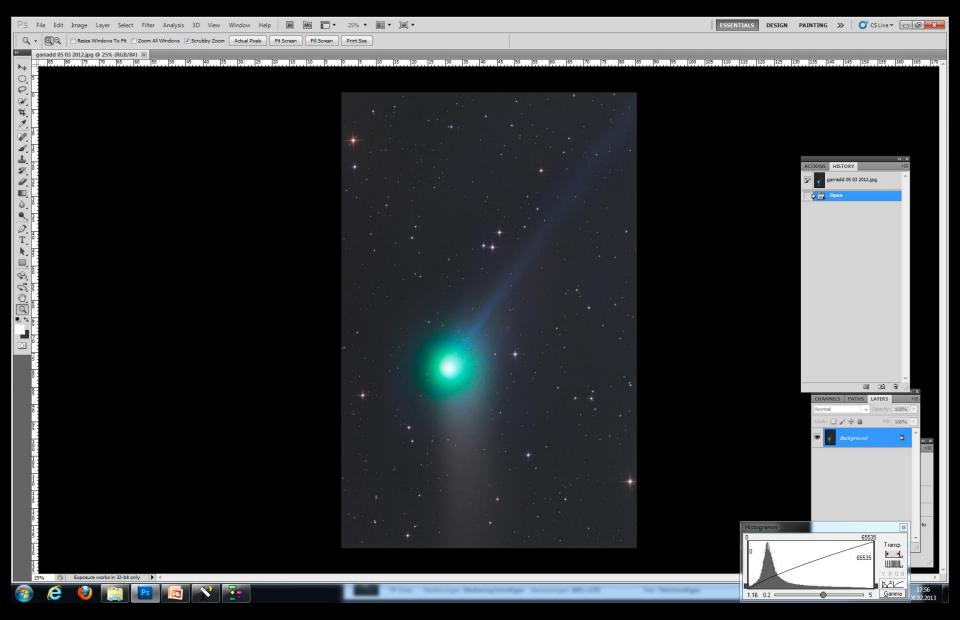








Insert the comet image into the starfield



After flatten the layers one will process the image to taste





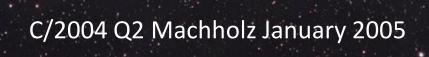
153P/Ikeya-Zhang April 2002



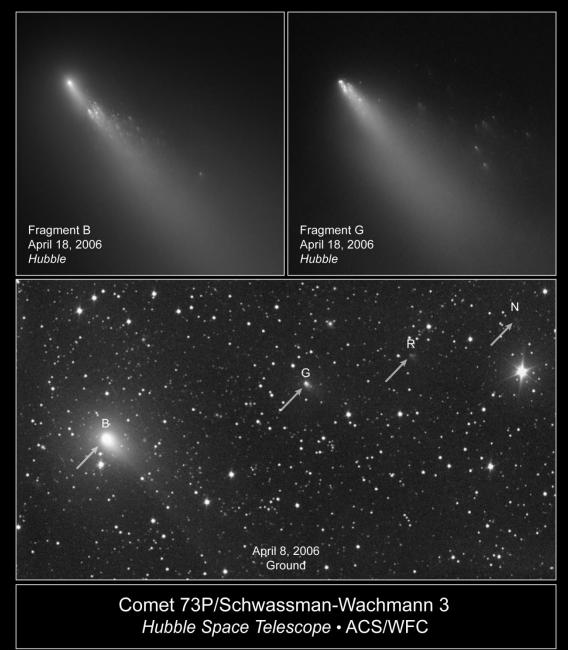




C /2002 T7 LINEAR









Namibia May 2006

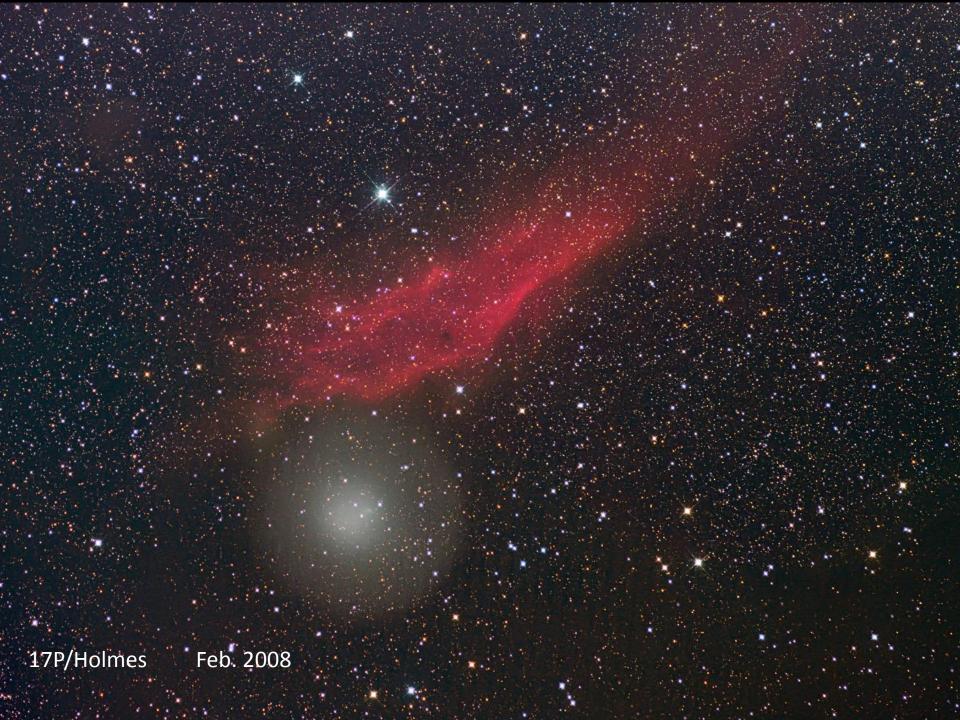




C/2006 P1 McNaught

January 2007

Canon 300D Zoom at 300mm ISO 100 1/100 sec.



















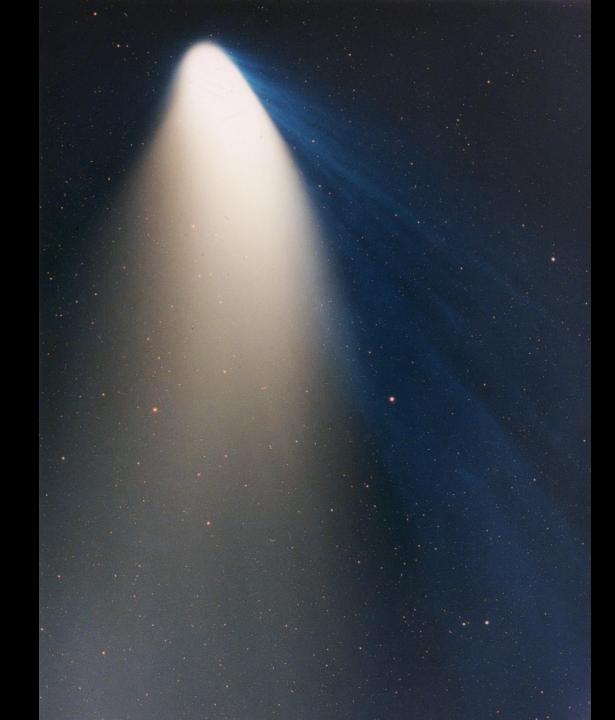


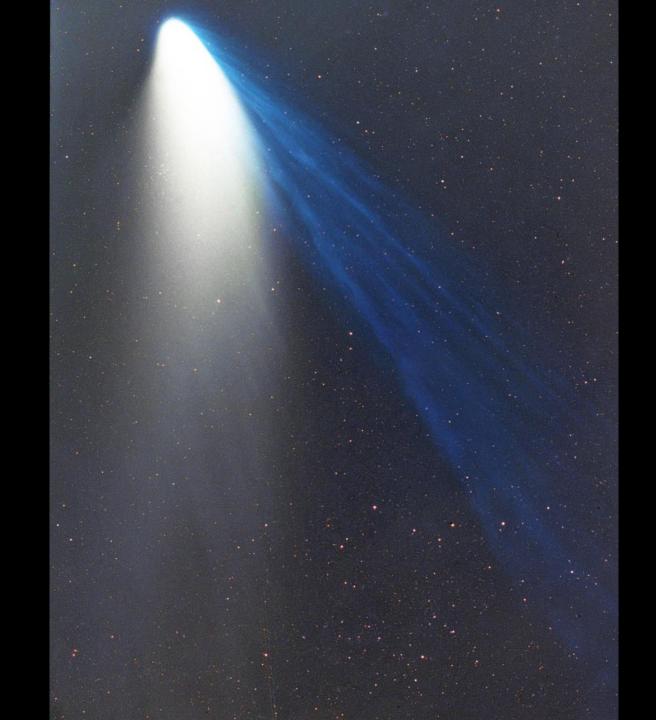
50 mm Lens Kodak 400 ASA Film Light poluted place near Vienna 135mm Lens, Kodak 400 ASA Film





Mosaic of two Schmidtimages

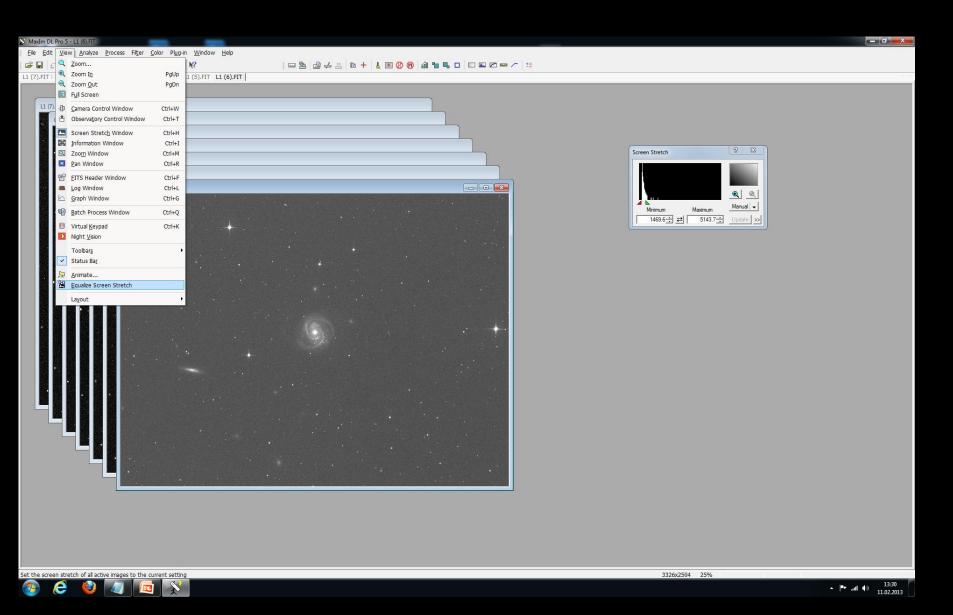


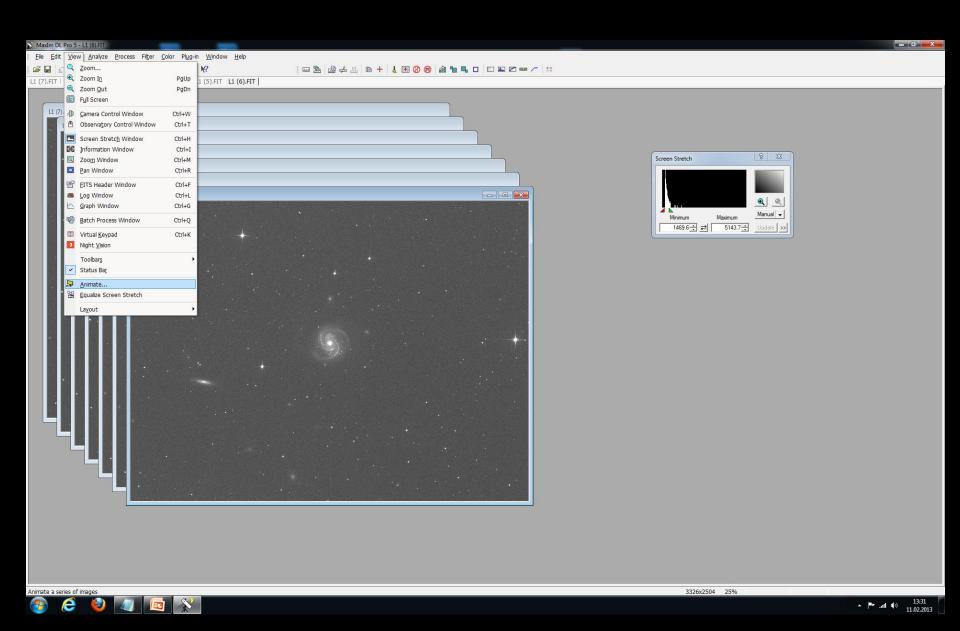


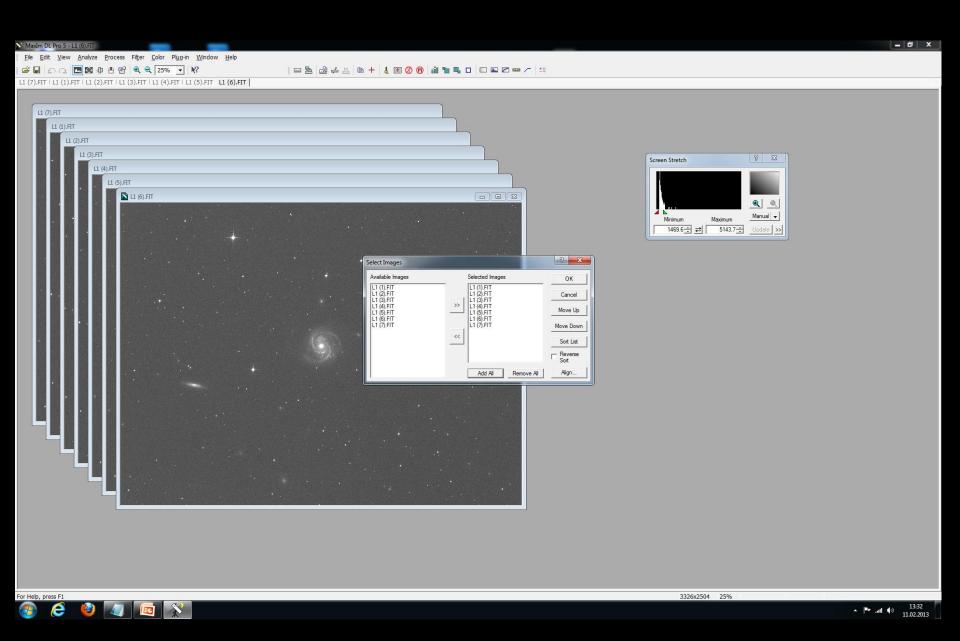


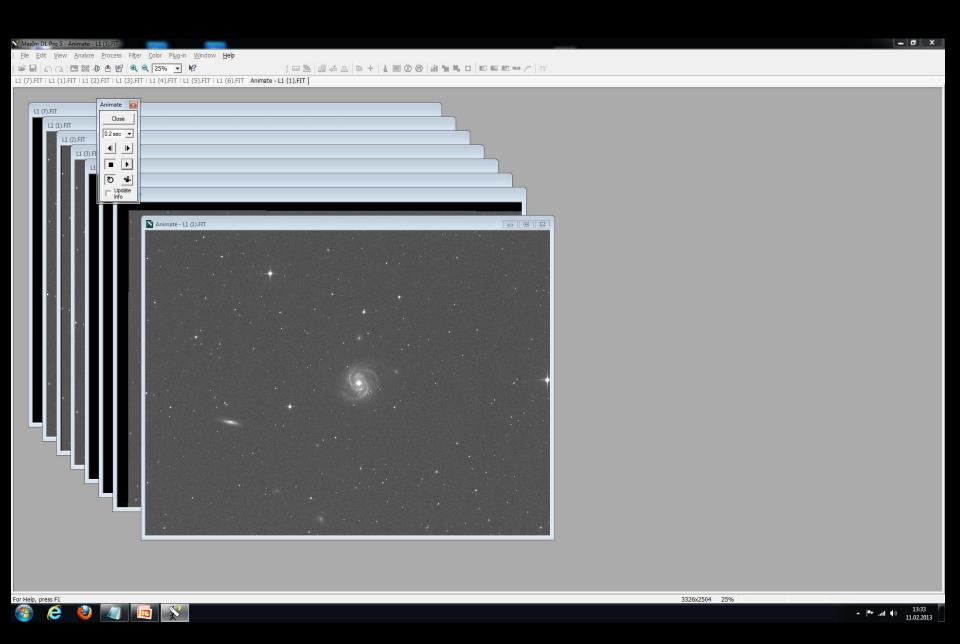


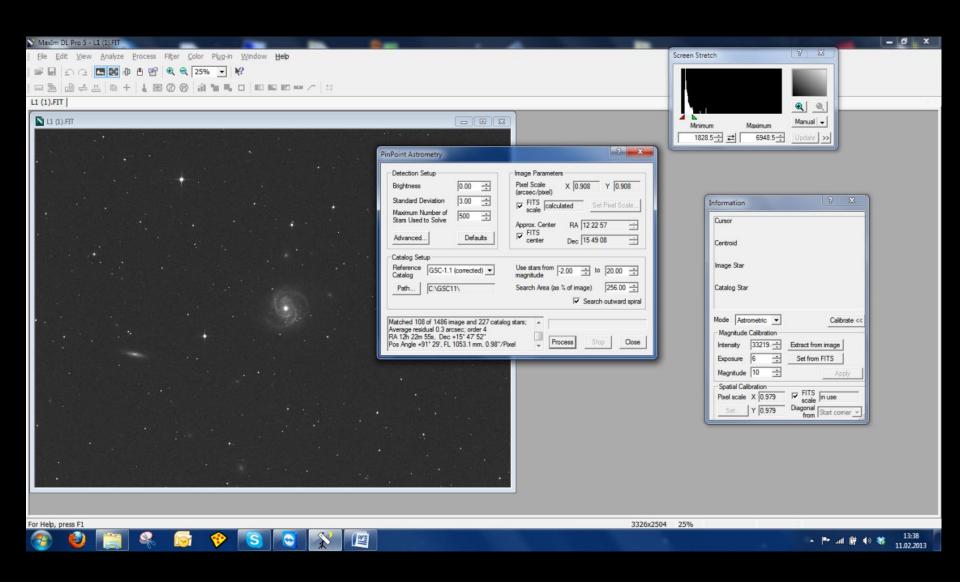




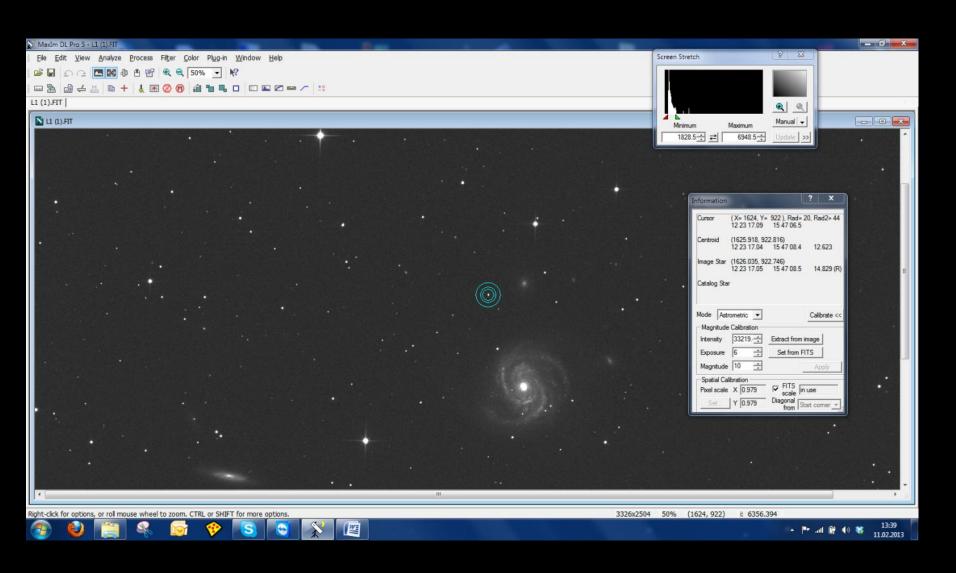








If you have pin point you can astrometry your files now



Place the cursor to the object and read the given coordinates

