

# Real-Time Digital Radiography Upgrade

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# objective

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- The objective of the task is to upgrade an existing real-time digital radiography system by replacing an aged image intensifier tube with an amorphous silicon digital x-ray imager.
- The real-time digital radiography system at GSFC is currently fitted with image intensifier tube with a 4 or 2 inch diameter active area with higher resolution at the smaller area. The image intensifier is exhibiting deterioration in sensitivity associated with extended use and is in need of replacement.



PaxScan 2520V Amorphous  
Silicon Digital X-ray Imager

- 127um pixel size
- 8"x10" active area
- 7.5fps (1x1) and 30 fps (2x2)

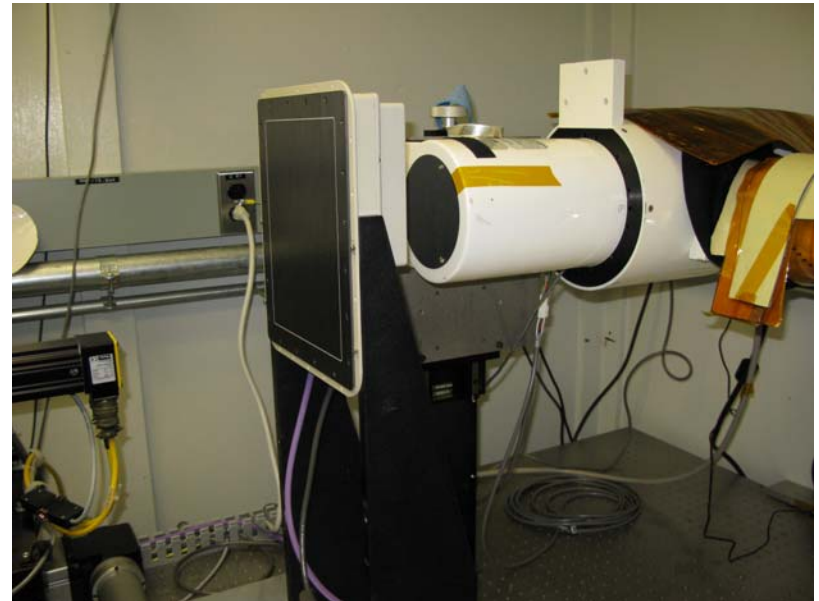
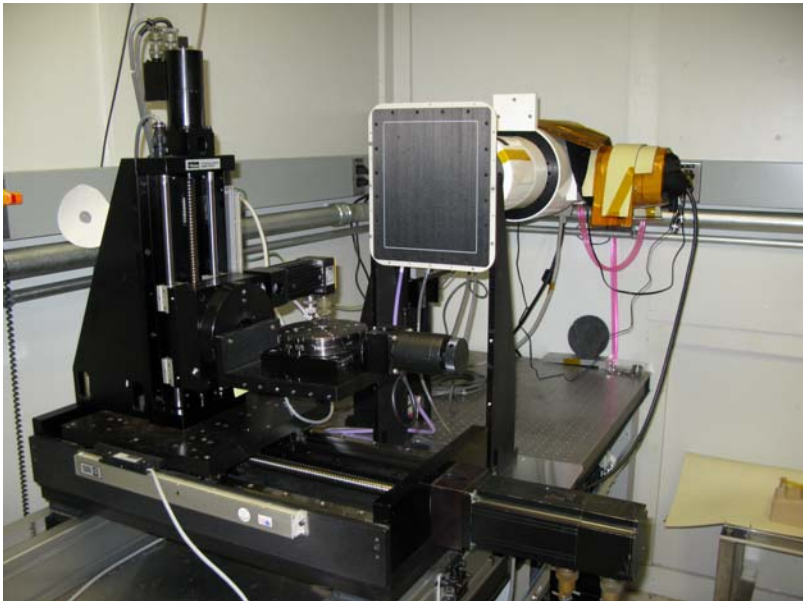
QuickTime™ and a  
TIFF (Uncompressed) decompressor  
are needed to see this picture.



# Status: complete

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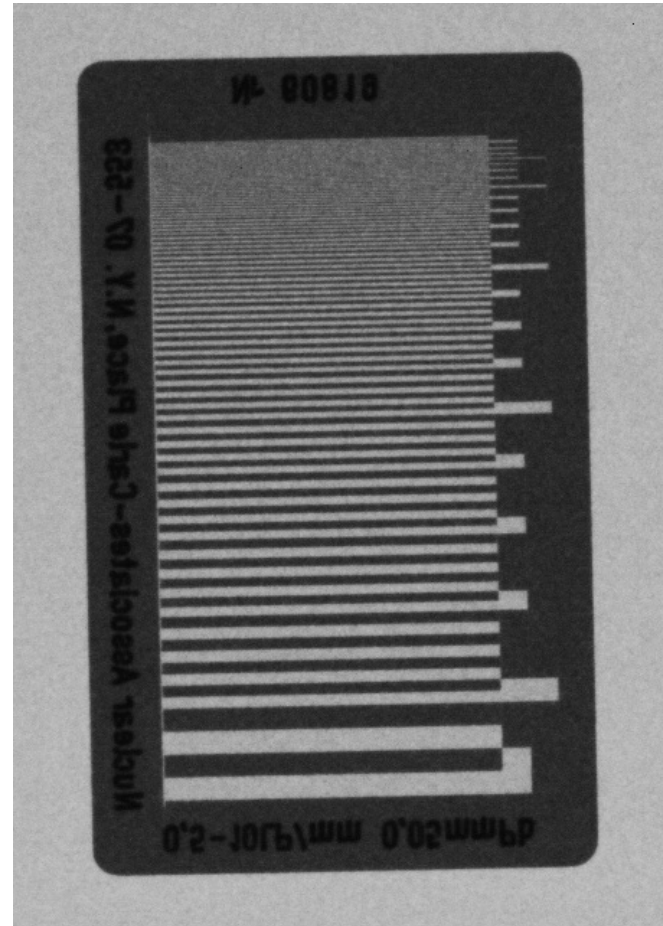
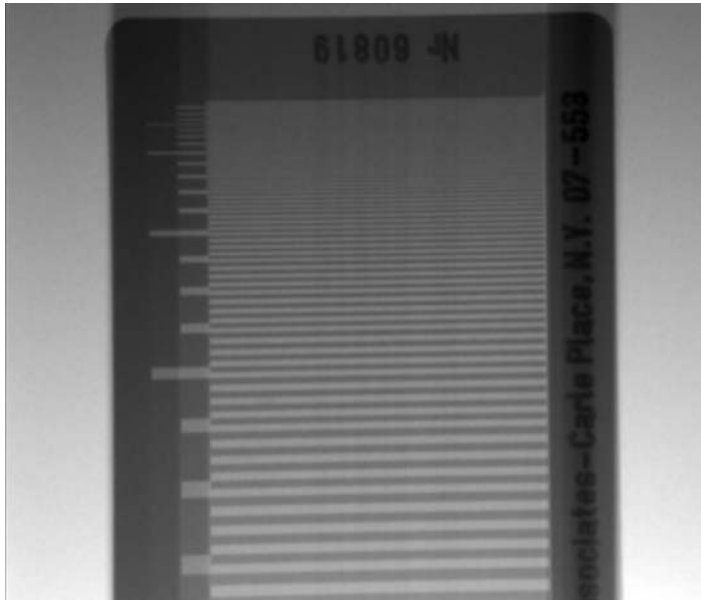
A premium grade PaxScan 2520V amorphous silicon flat panel detector rated for 225 kV was procured, installed and is operational.





# performance

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# performance

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