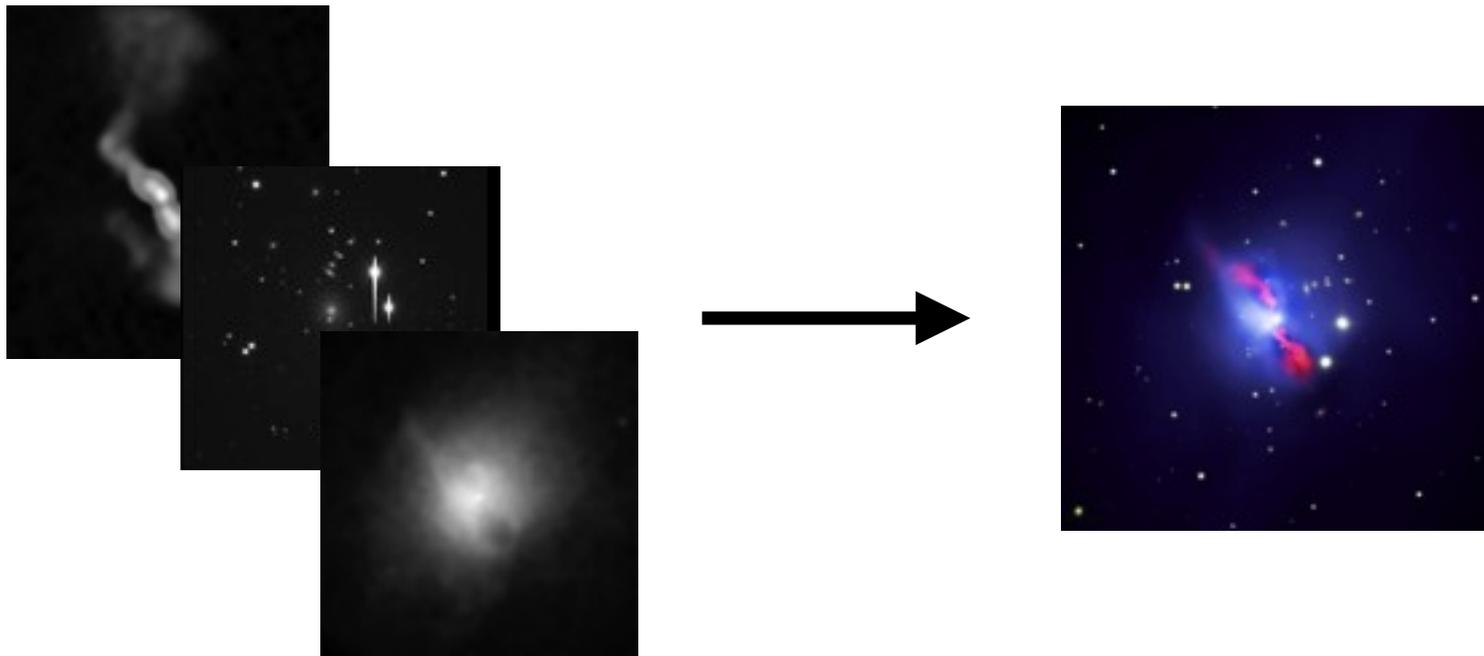




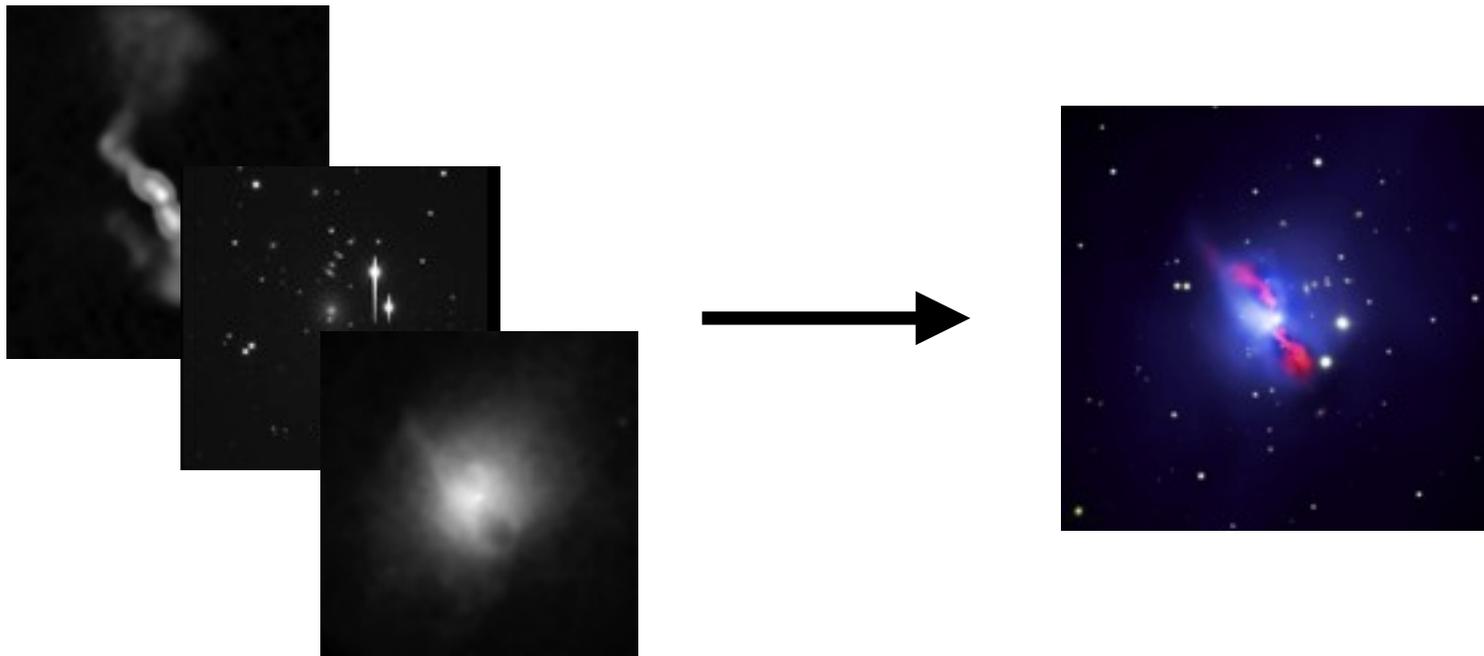
PinpointWCS

Amit Kapadia
Eli Bressert

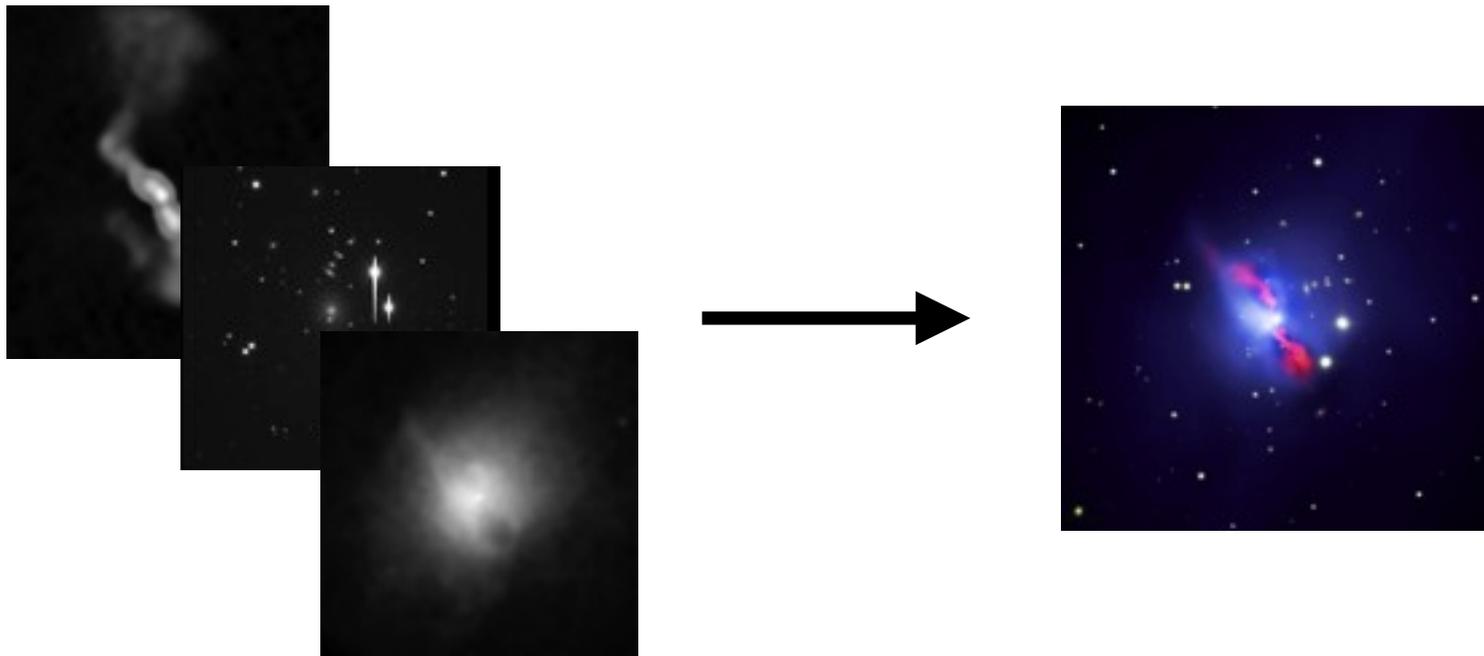
- ▶ Astronomy outreach images are rendering using scientific data in the FITS format.



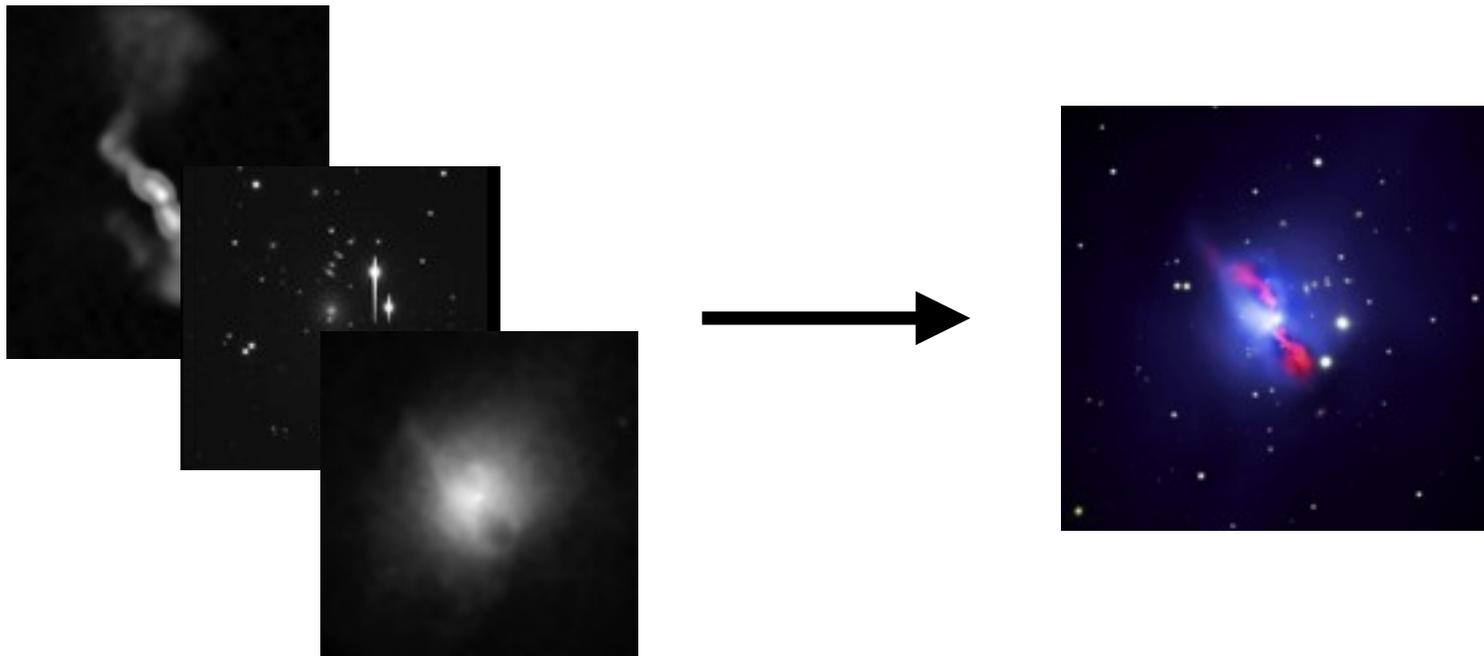
- ▶ Aesthetics is a component during processing, resulting in the final image being cropped, rotated and/or scaled from the original data.

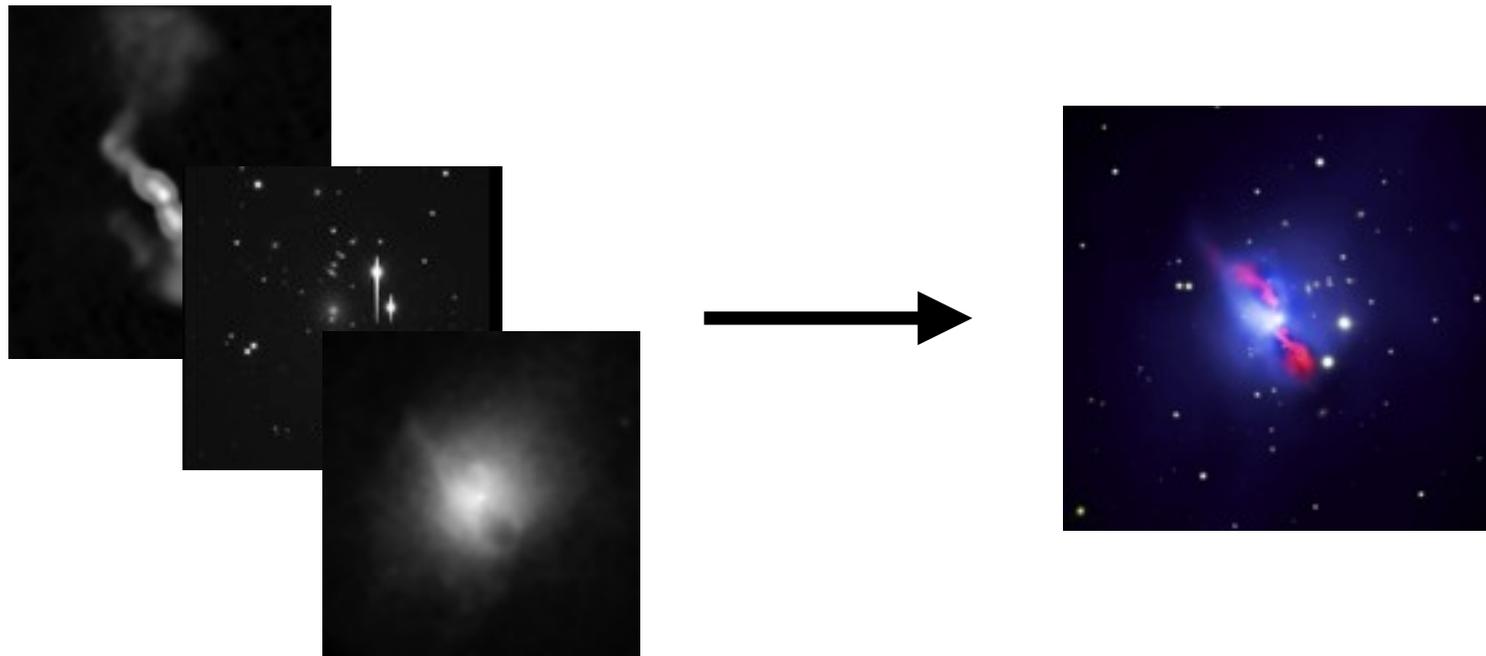


- ▶ These transformations invalidate the celestial coordinates from the scientific data.



- ▶ Need to re-calculate coordinates for outreach images.

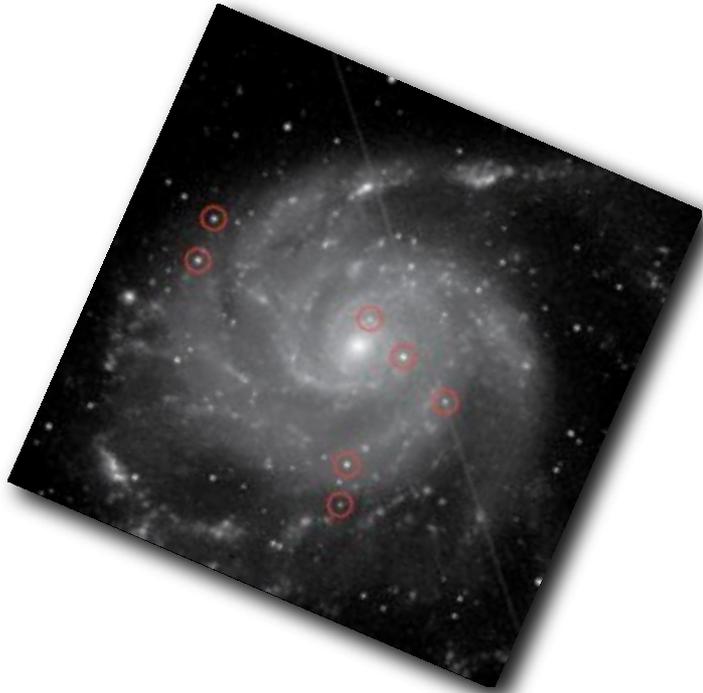




- ▶ One solution is to re-calculate coordinates based on metadata from a FITS image.



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- ▶ It is developed specifically for outreach groups, using the same the Astronomy Visualization Metadata (AVM) standard.



- ▶ The Chandra X-ray Center's Education and Public Outreach group is developing PinpointWCS.
- ▶ This software facilitates the retrieval of coordinates for outreach images.
- ▶ It is developed specifically for outreach groups, using the same the Astronomy Visualization Metadata (AVM) standard.
- ▶ Currently in beta.



Demo



Looking for feedback.

<http://www.cfa.harvard.edu/~akapadia/pinpointwcs/>

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