



DARK ENERGY
SURVEY

Raw PreCam Astrometry for Night of 2011-01-13 UT

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PreCam Data Mini-Workshop
Fermilab

8 February 2011



PreCam and Digitized Sky Survey 2 (DSS2): raw, uncorrected* astrometry

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SAOImage ds9

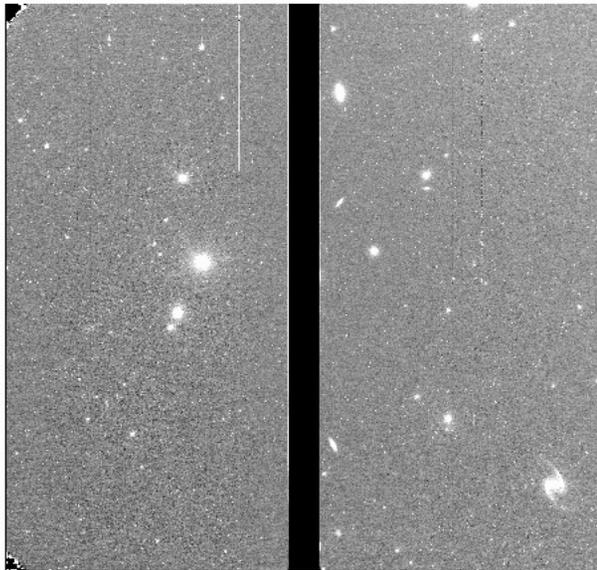
File: skv6056978669402.fits

Object Value: 12570

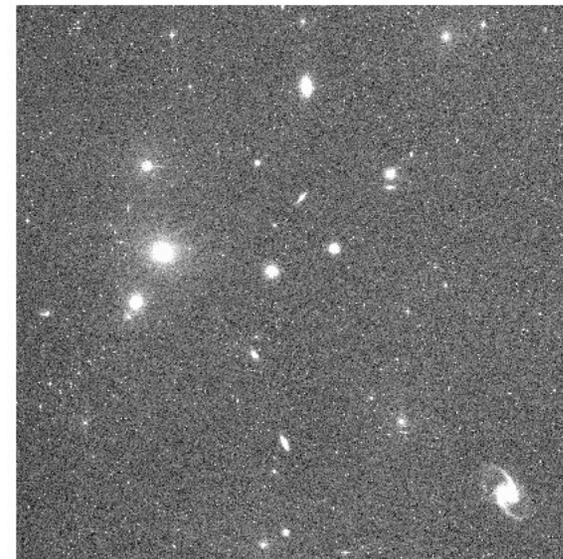
FK5	α	03:34:59.749	δ	-35:07:54.04
Physical	X	852.173	Y	906.215
Image	X	852.173	Y	906.215
Frame 3	Zoom	0.350	Angle	0.000

file edit view frame bin zoom scale color region wcs help
about open save image header page setup print exit

PreCam



DSS2



(SSRS#52: Maia, da Costa, Latham 1989)

200

220

240

260

280

300

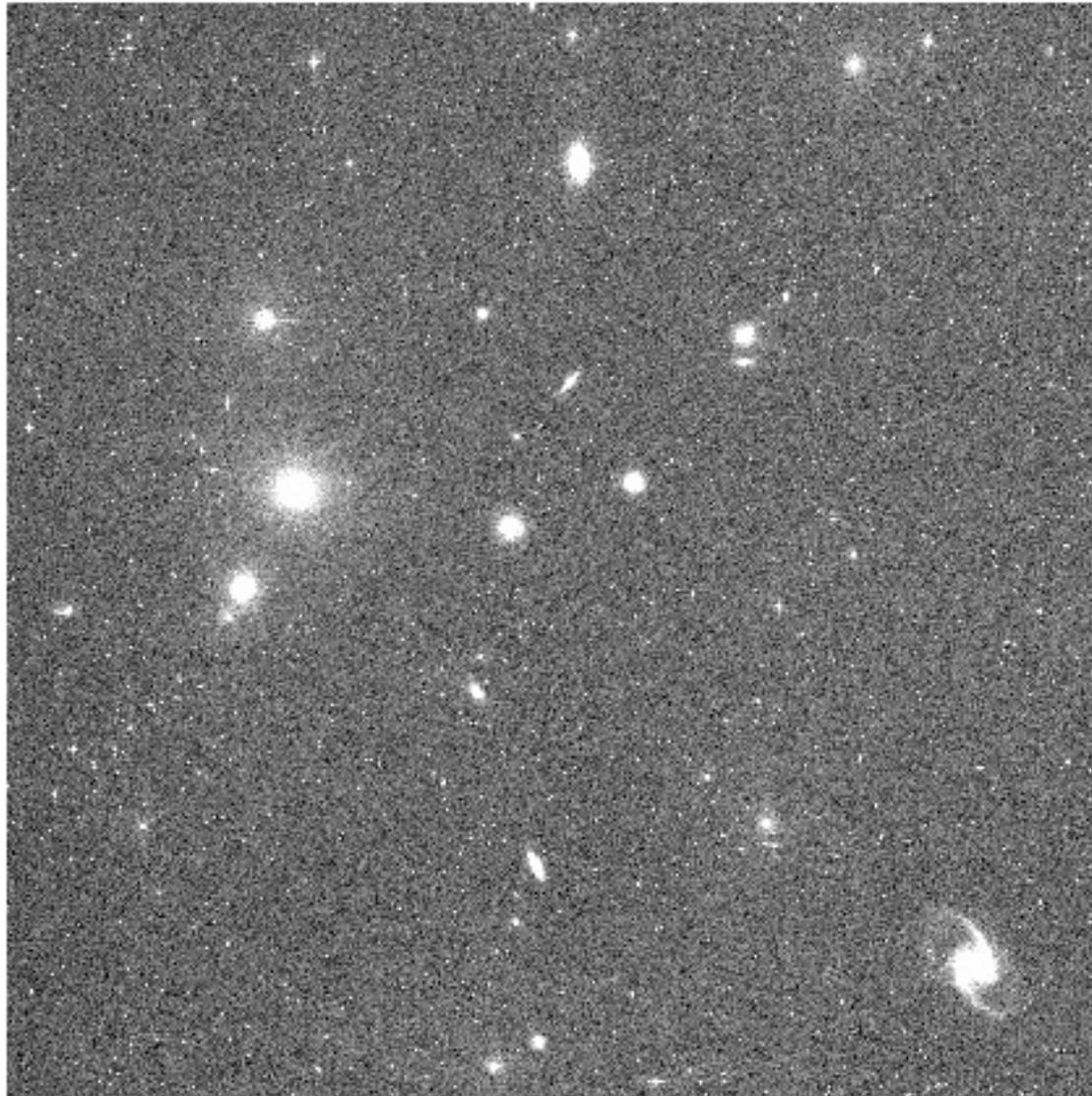
320



PreCam and Digitized Sky Survey 2 (DSS2): raw, uncorrected* astrometry

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DSS2



*Using
TELRA, TELDEC
from raw image
as center of
image, and
assuming a pixel
scale of 1.43",
and no rotation
of image frame
relative to RA/
DEC axes.

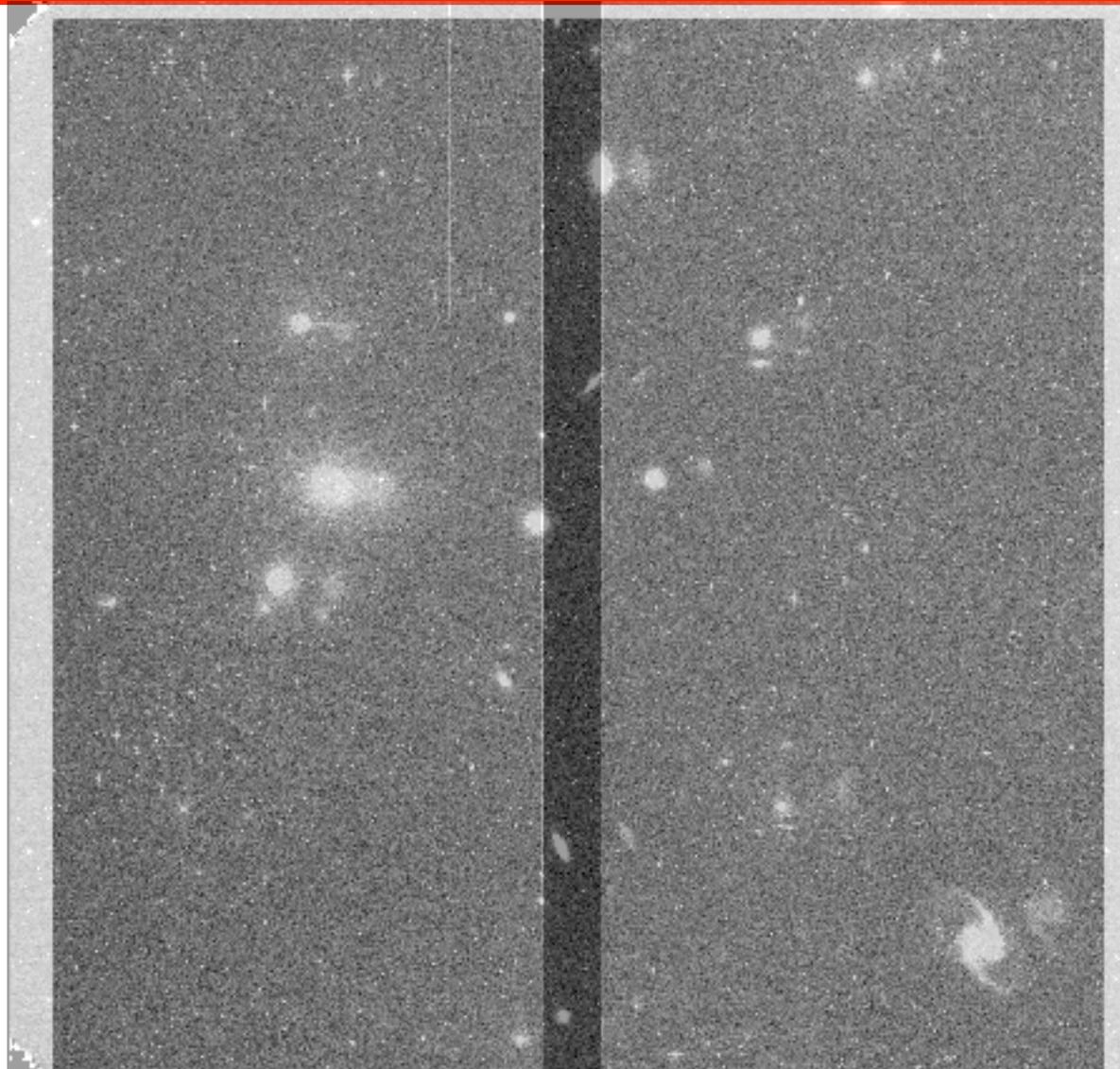


PreCam and Digitized Sky Survey 2 (DSS2): raw, uncorrected* astrometry

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DSS2

PreCam



Slight offset
in RA, DEC
(expected)

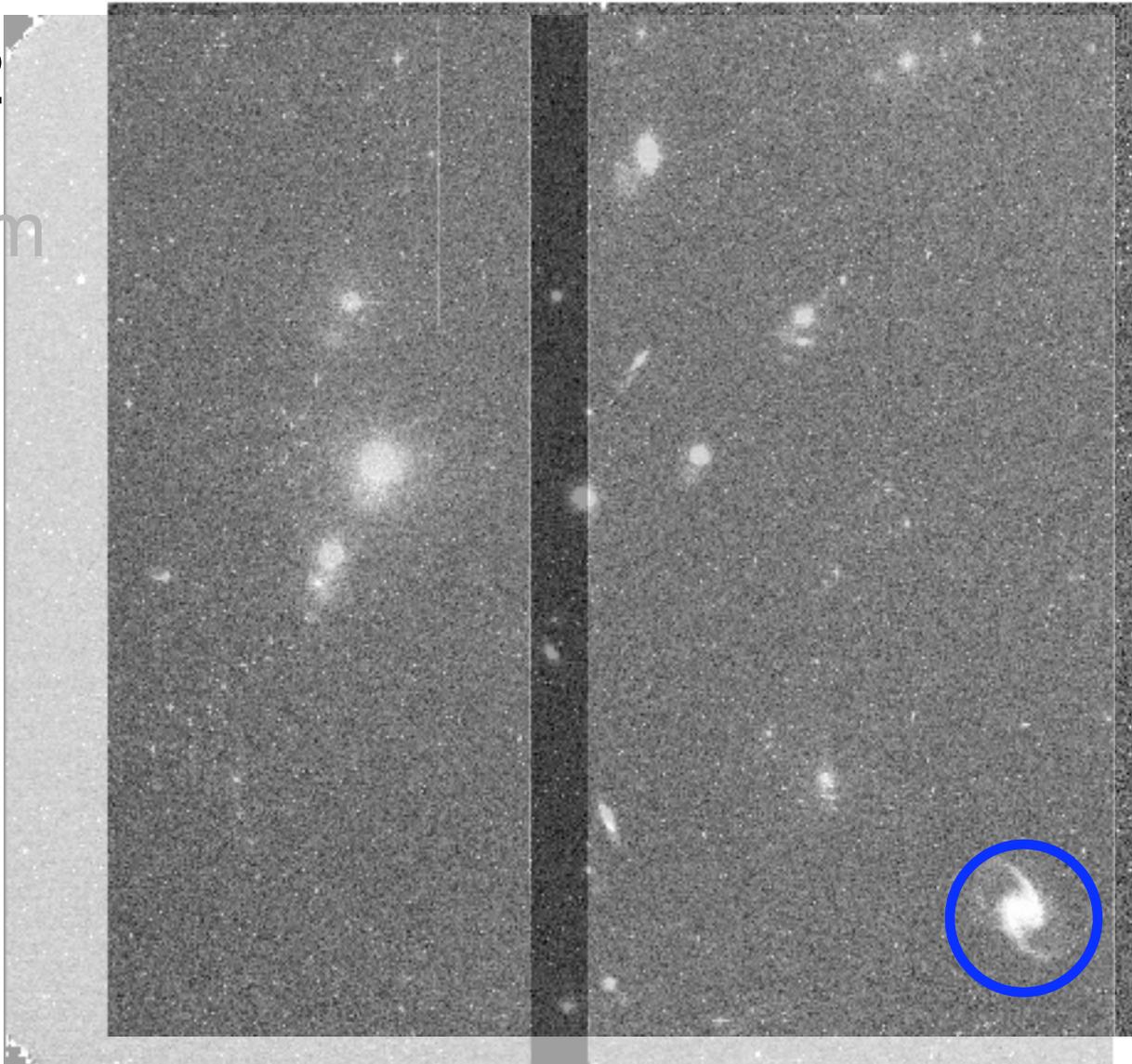


PreCam and Digitized Sky Survey 2 (DSS2): raw, uncorrected* astrometry

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SURVEY

DSS2

PreCam



Slight rotation
in RA, DEC
(not unexpected)