

Mage Observing Run, Feb. 9, 2021

observers: Fakhri Zahedy, Michael Rauch
contact email (Michael): mr@carnegiescience.edu
contact email (Fakhri): fzahedy@carnegiescience.edu

contact phone (mr SBS office): 626-304-0262
contact phone (mr mobile): 626-620-9672

Aim:

take MagE spectra of 11 low z galaxies with extremely metal poor emission line regions

General setup:

- 1x1 binning, fast, full readout
- In good seeing use 0.7" slit
- in bad seeing use 1.0" slit
- catalog file is called mrfeb21.cat
- try to get 2x900s on-source exposure time per object
- where possible try to see the galaxy directly on the slitviewer; put the slit roughly where suggested by the finding chart enlargements, even if this means off-center.
- if gal. not visible, use offset stars
(tel. offsets in the FC are in arcseconds from the star to the target)

Afternoon calibrations:

(largely just the standard calibs. suggested on the web page):

10x0s bias

0.7" slit :

1x4s ThAr

1x10s ThAr

5x35s Xe flash in focus

5x90s Xe flash in focus

15x30s Qh domeflats in focus

1.0" slit :

1x2s ThAr

1x10s ThAr

5x25s Xe flash in focus

5x60s Xe flash in focus

15x20s Qh domeflats in focus

5.0" slit:

15x15s out of focus (focus=1100) (all orders but the six bluest orders saturated)

5x100s out of focus (focus=1100) (all orders but the two bluest saturated)

twilight skyflats for 0.7", 1.0" and 5"

night time observations:

- all observations at parallactic angle
- get standard star exposure at the beginning (e.g. HD49798 06:48:04.64 -44:18:59.3)
- try to get 2x900s science exposures for each object
- take ThAr before moving to next object
- get standard star exposure in the morning (e.g., EG274 16:23:33.75 -39:13:47.5)

1

Koj_HSC_9

08:45:30.81

01:31:51.19

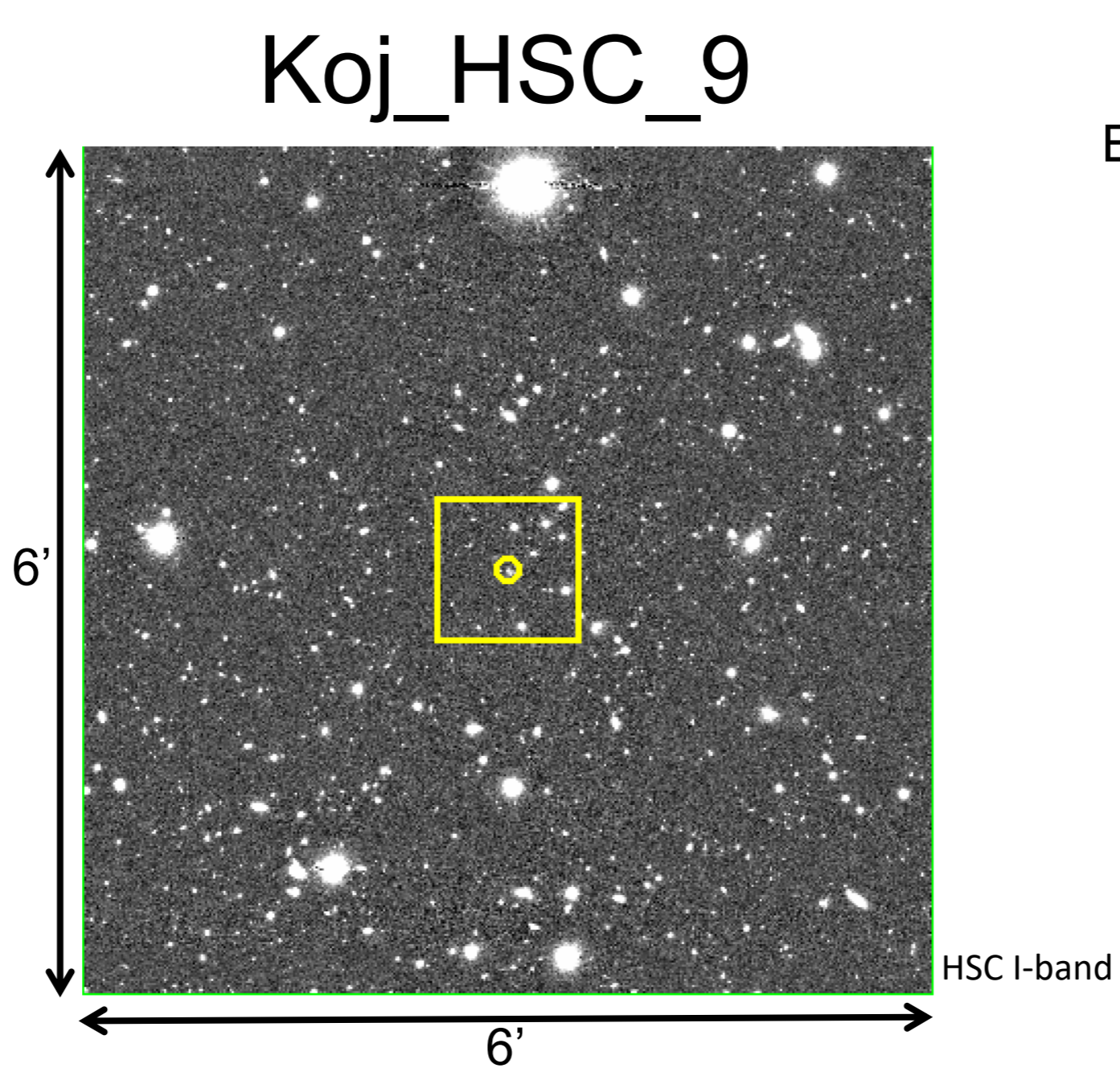
star_Koj_HSC_9

08:45:30.64

01:32:09.80

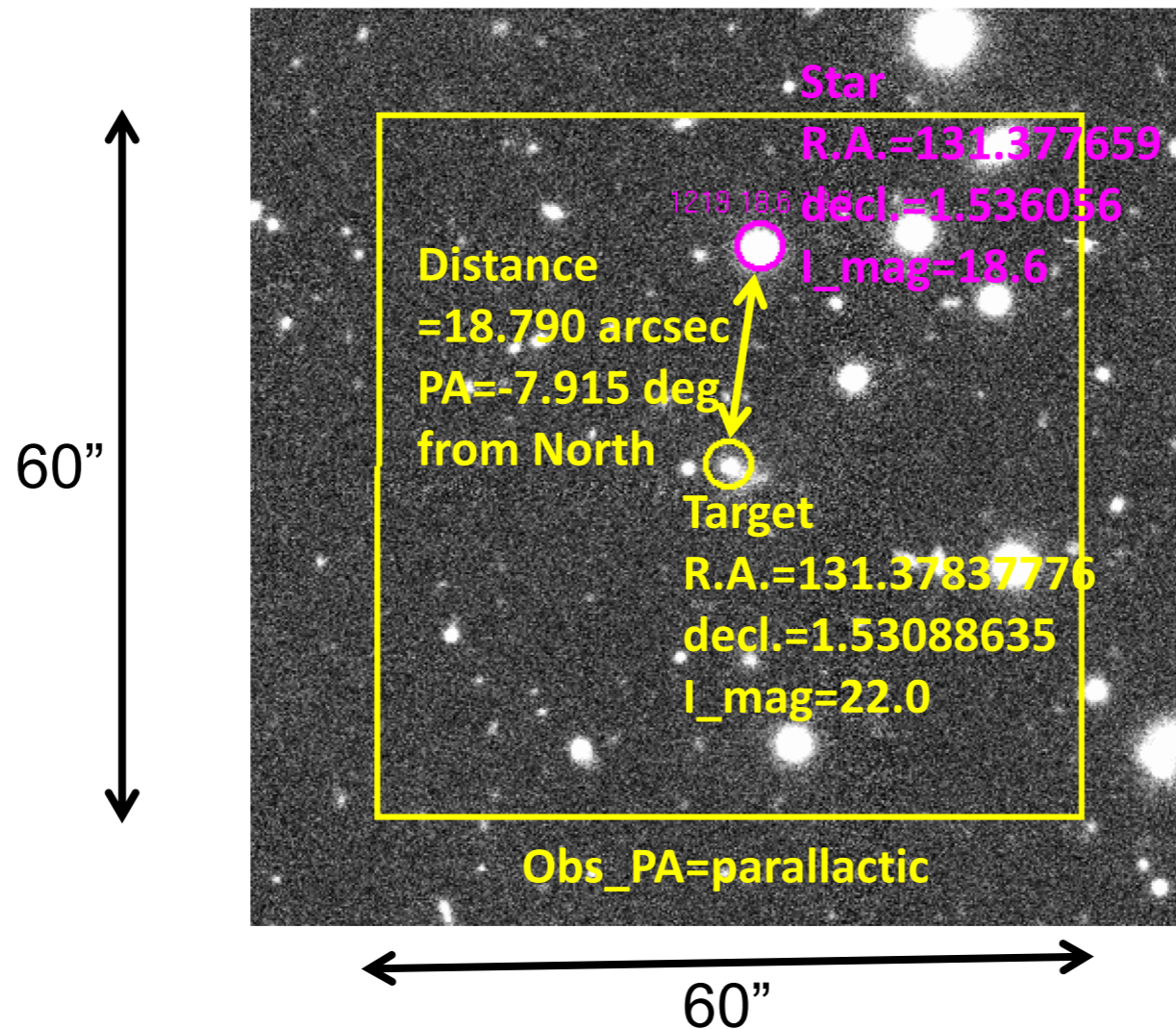
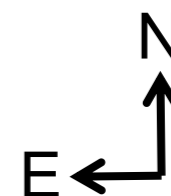
offset: 2.55" E 18.61" S

Koj_HSC_9



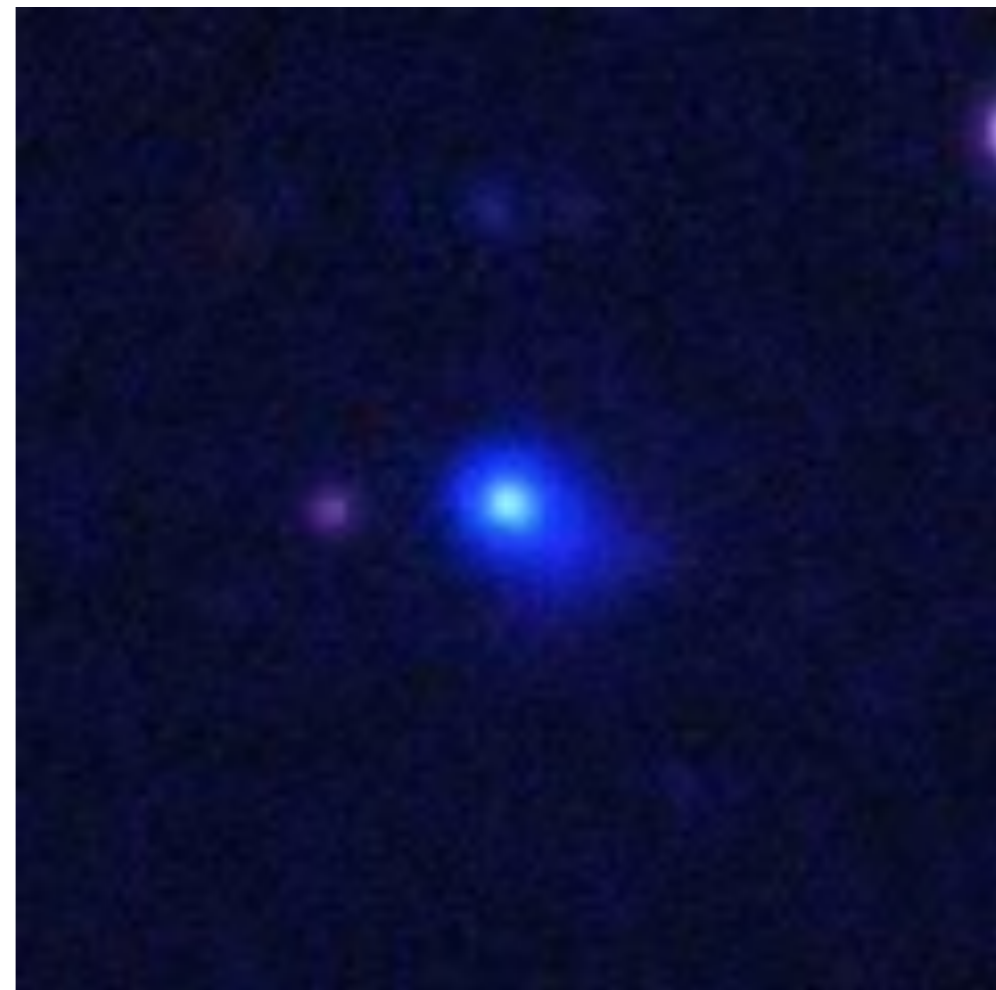
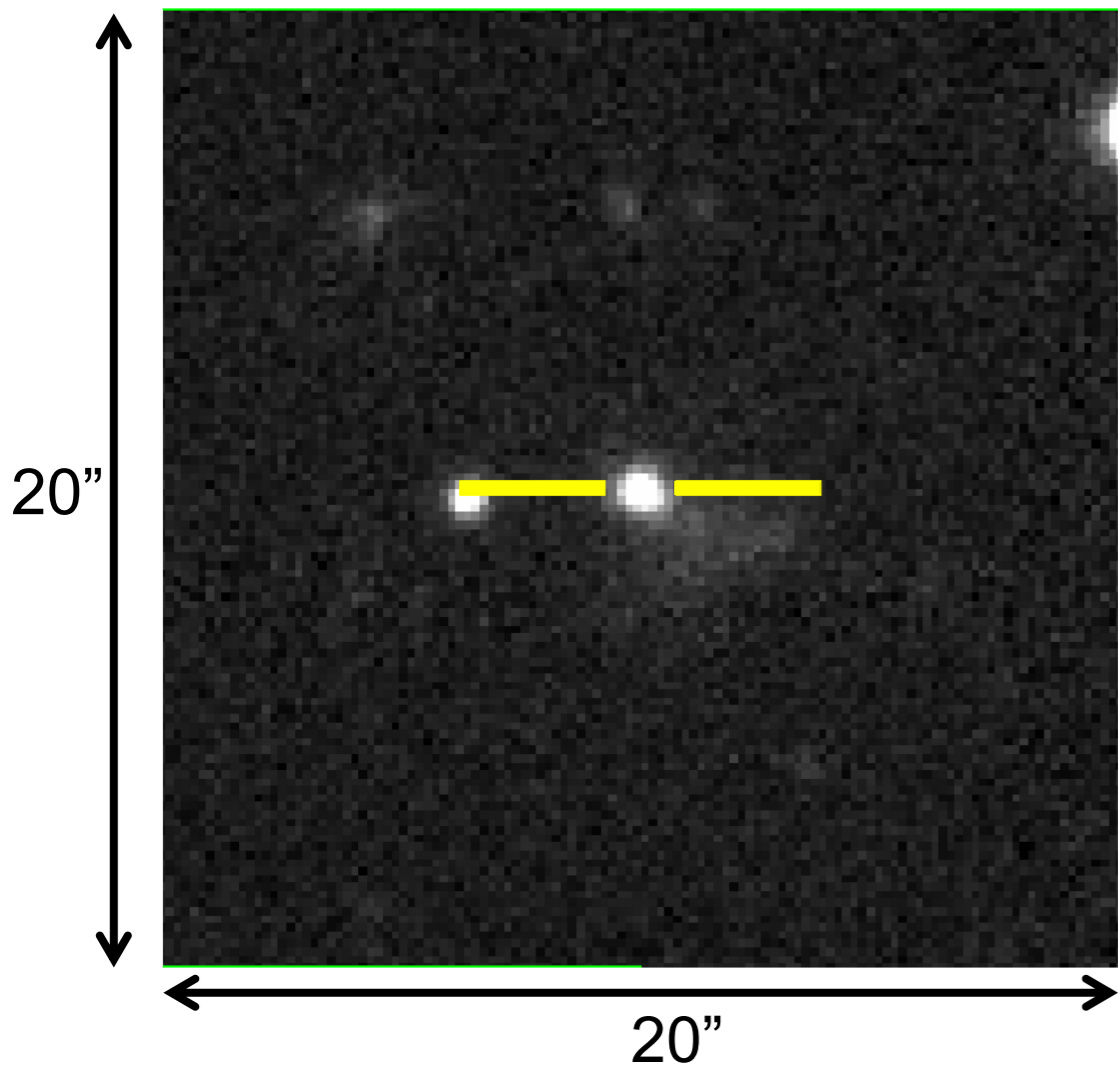
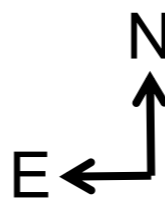
1 Koj_HSC_9 08:45:30.81 01:31:51.19
star_Koj_HSC_9 08:45:30.64 01:32:09.80 offset: 2.55" E 18.61" S

Koj_HSC_9



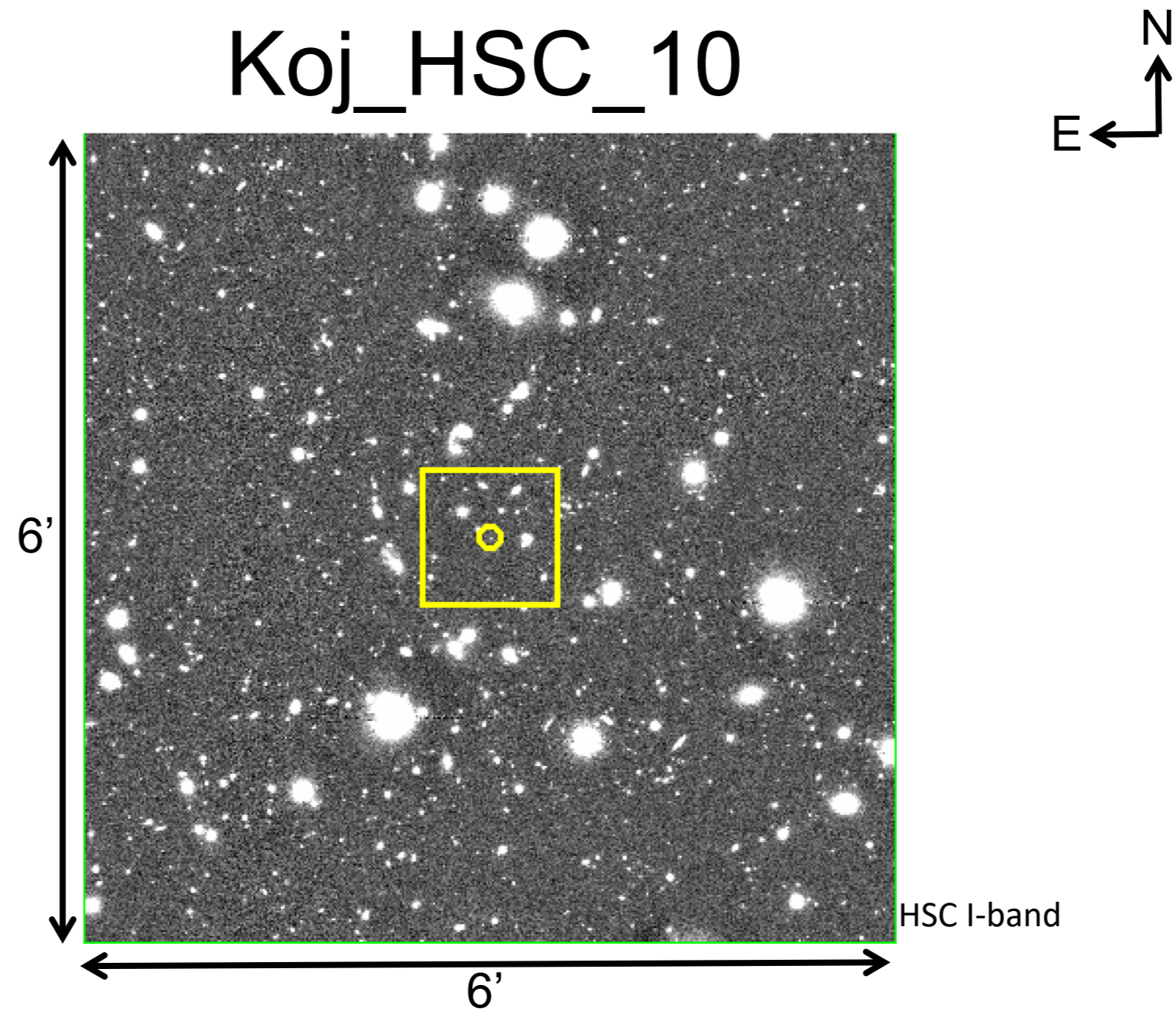
1 Koj_HSC_9 08:45:30.81 01:31:51.19
star_Koj_HSC_9 08:45:30.64 01:32:09.80 offset: 2.55" E 18.61" S

Koj_HSC_9



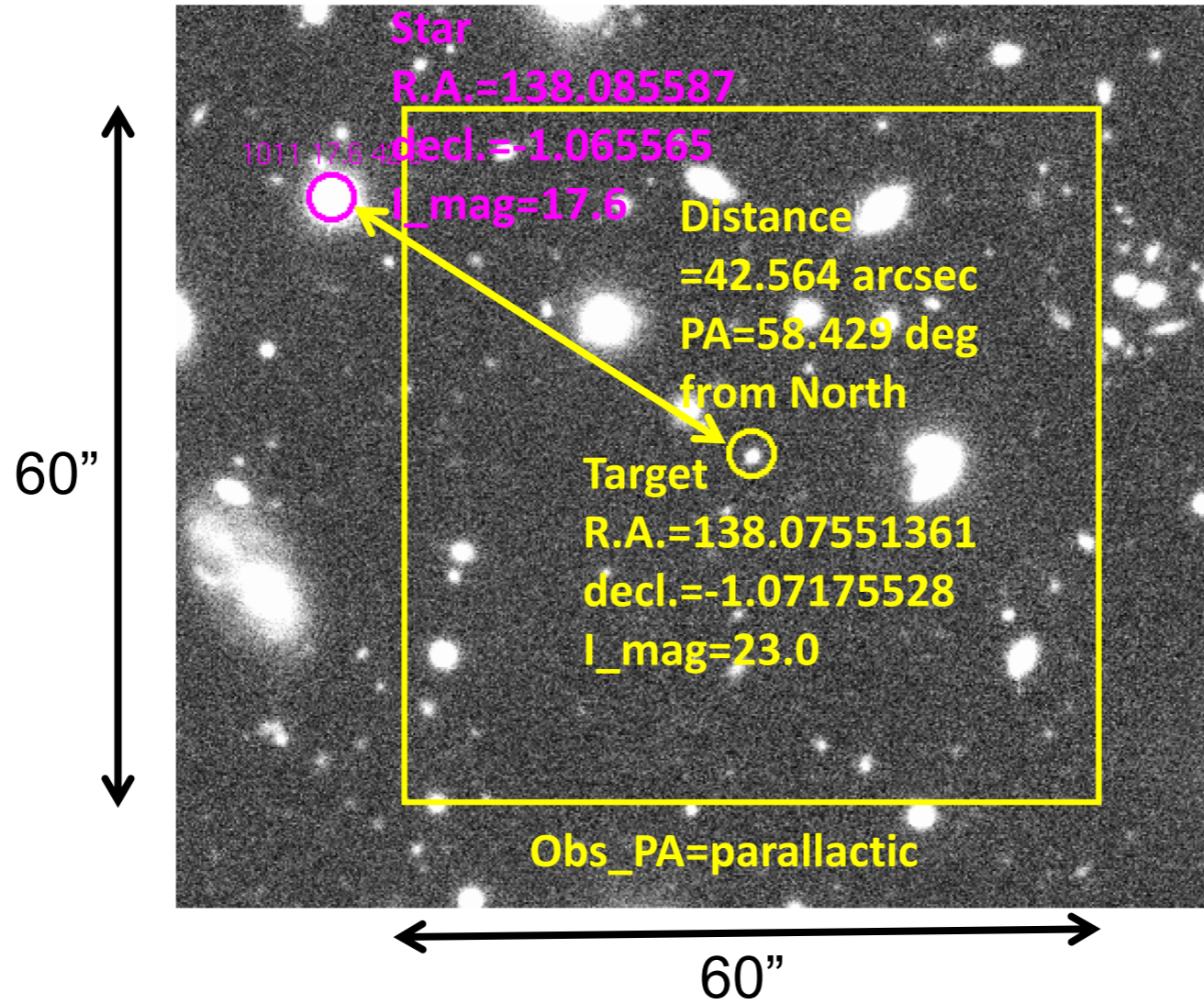
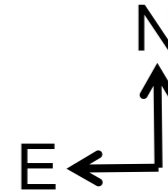
2

Koj_HSC_10



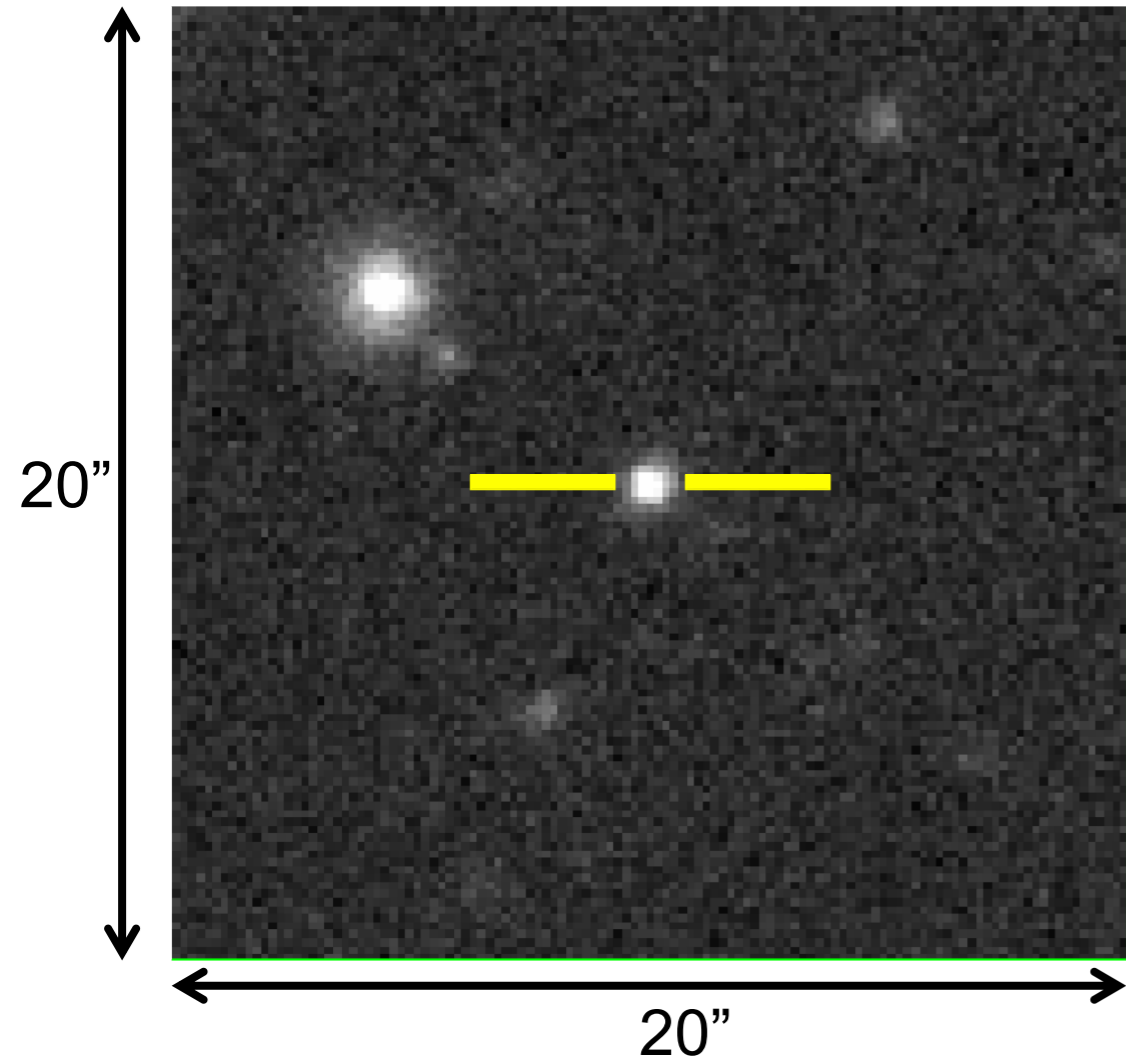
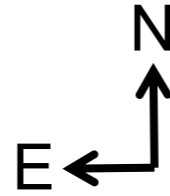
2 Koj_HSC_10 09:12:18.12 -01:04:18.32
star_Koj_HSC_10 09:12:20.54 -01:03:56.03 offset: 36.29" W 22.29" S

Koj_HSC_10



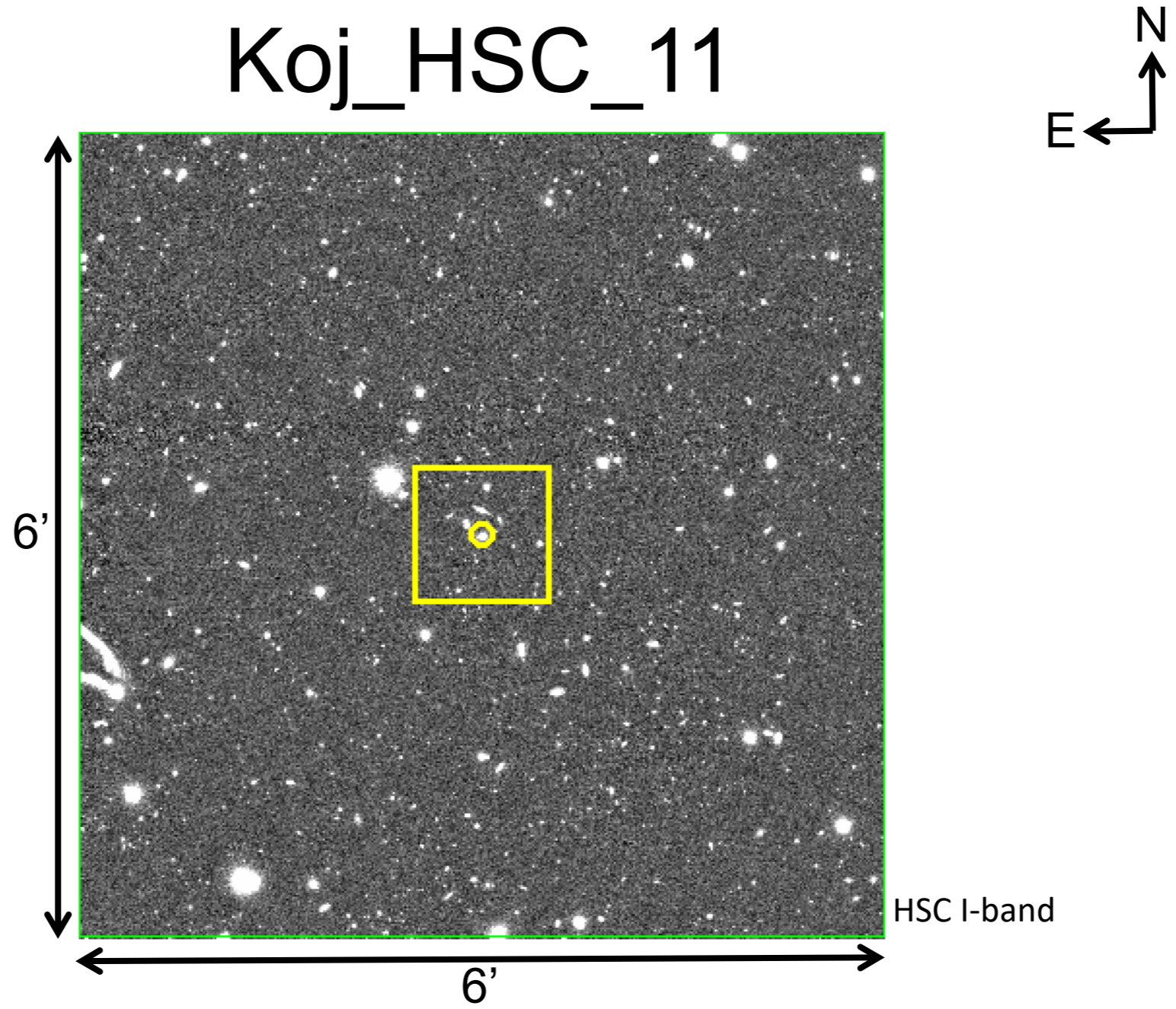
2 Koj_HSC_10 09:12:18.12 -01:04:18.32
star_Koj_HSC_10 09:12:20.54 -01:03:56.03 offset: 36.29" W 22.29" S

Koj_HSC_10



3

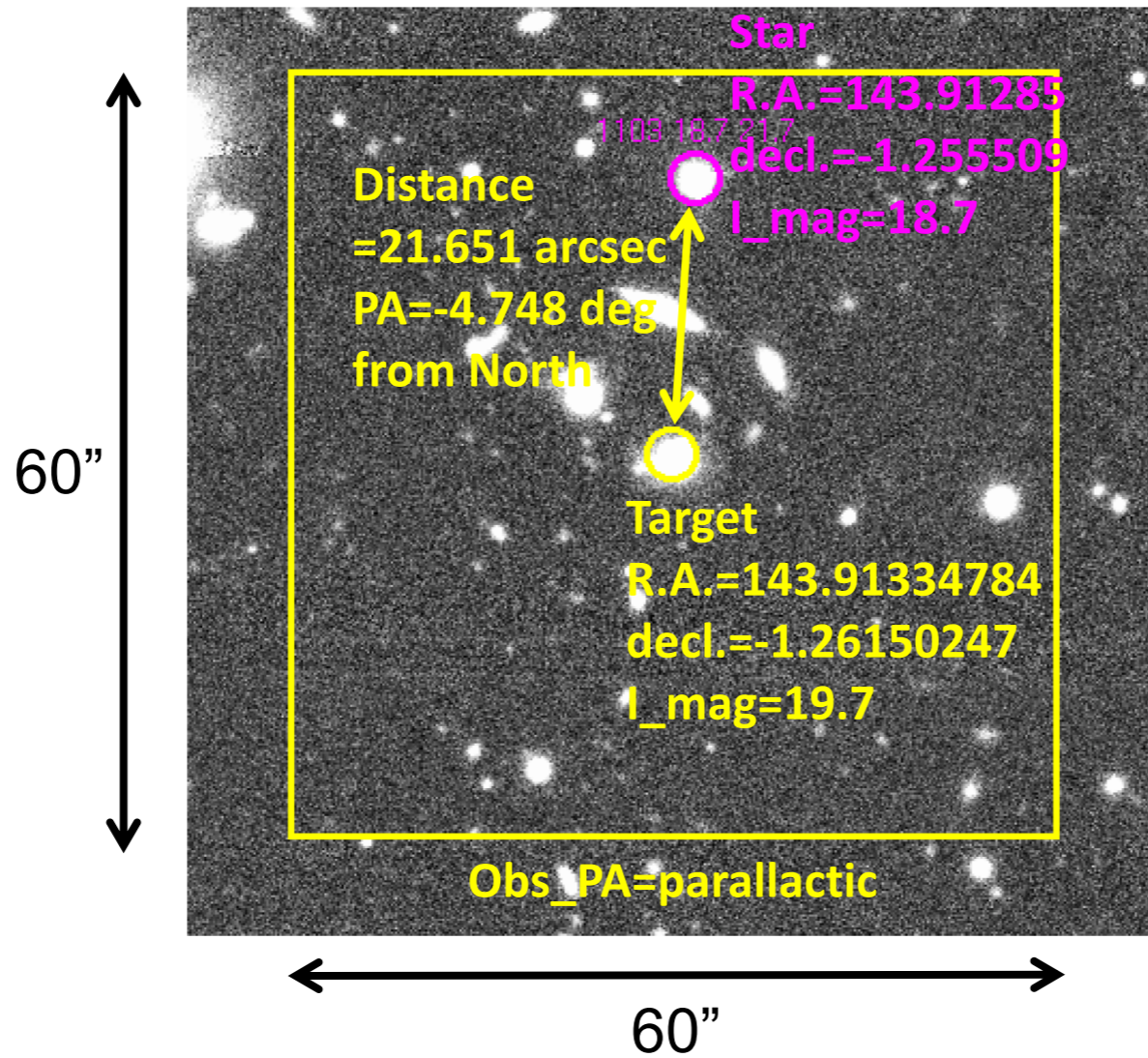
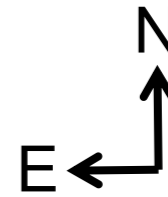
Koj_HSC_11



3

Koj_HSC_11	09:35:39.20	-01:15:41.41	
star_Koj_HSC_11	09:35:39.08	-01:15:19.83	offset: 1.80" E 21.58" S

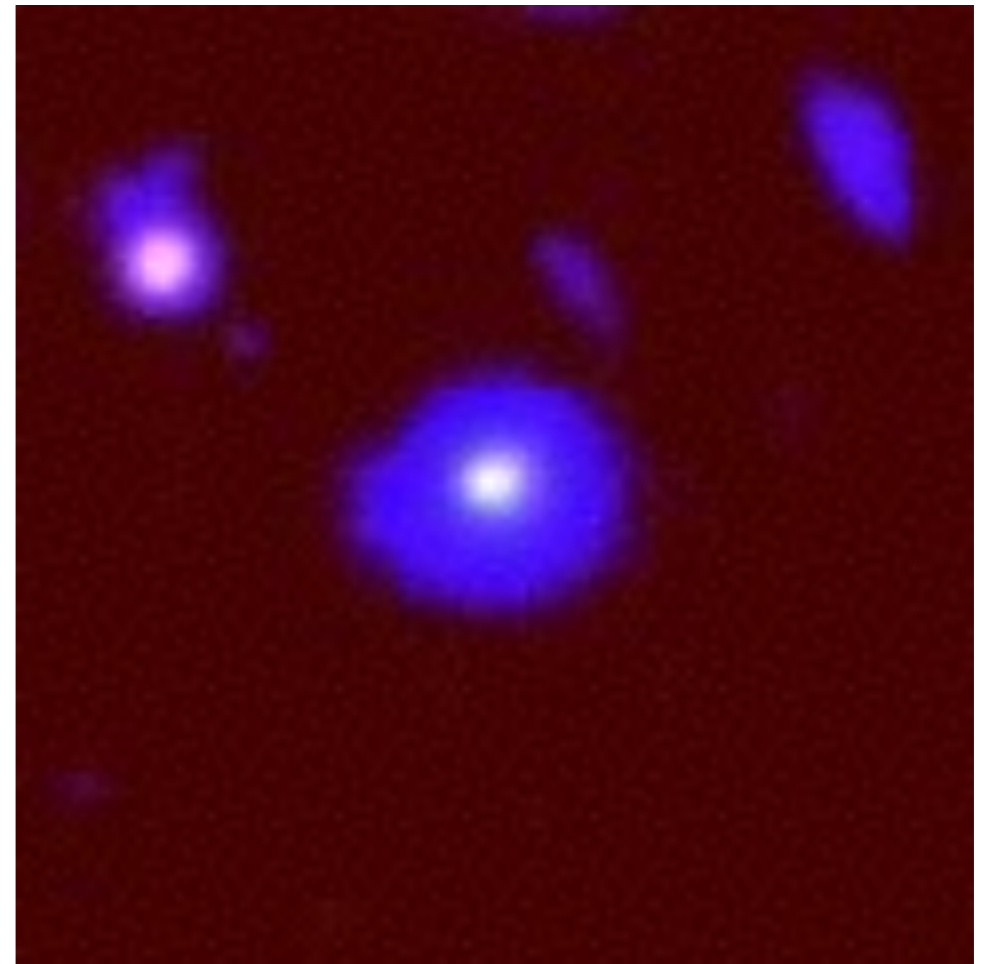
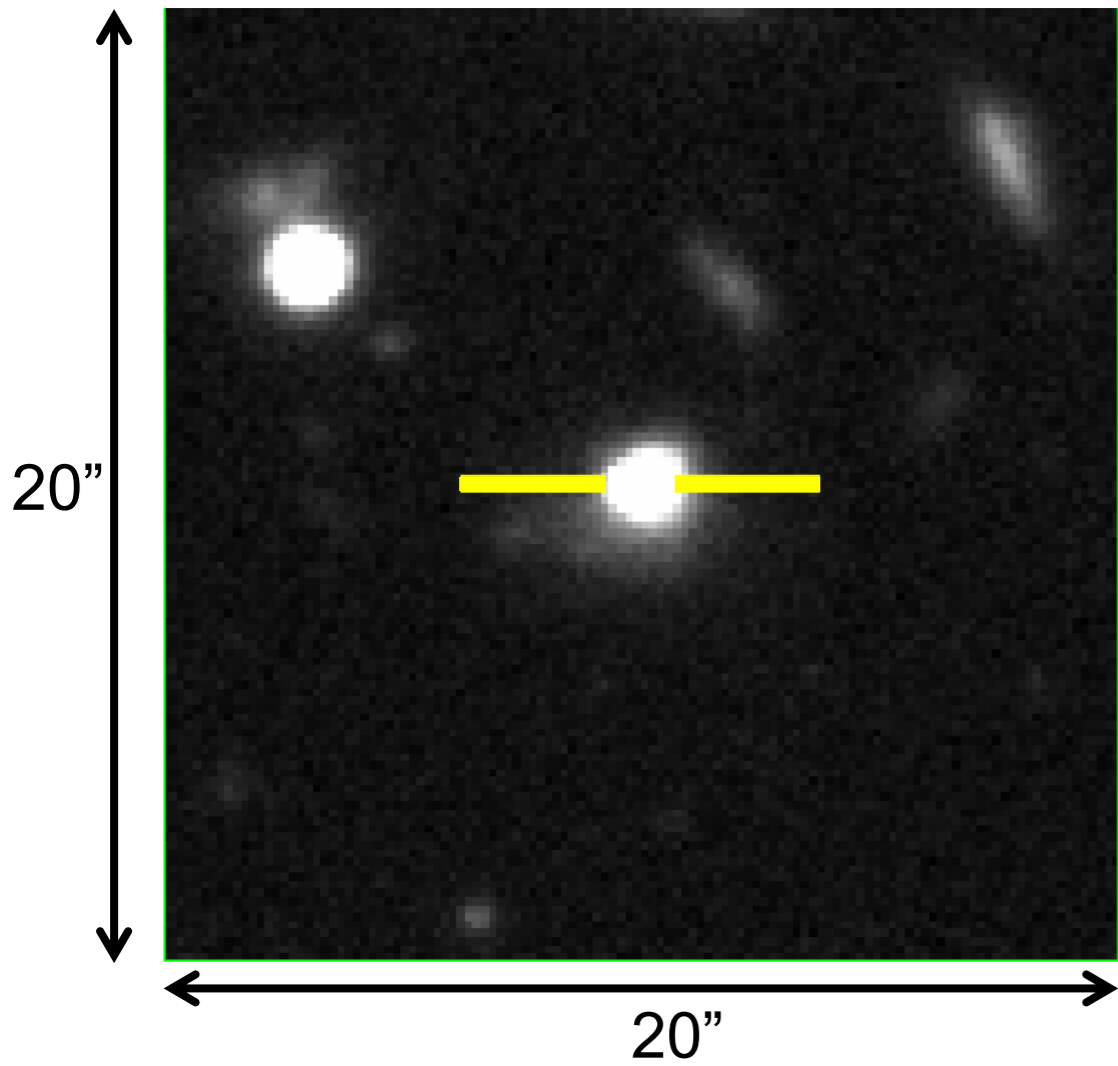
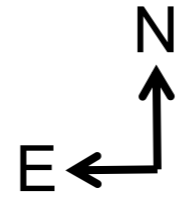
Koj_HSC_11



3

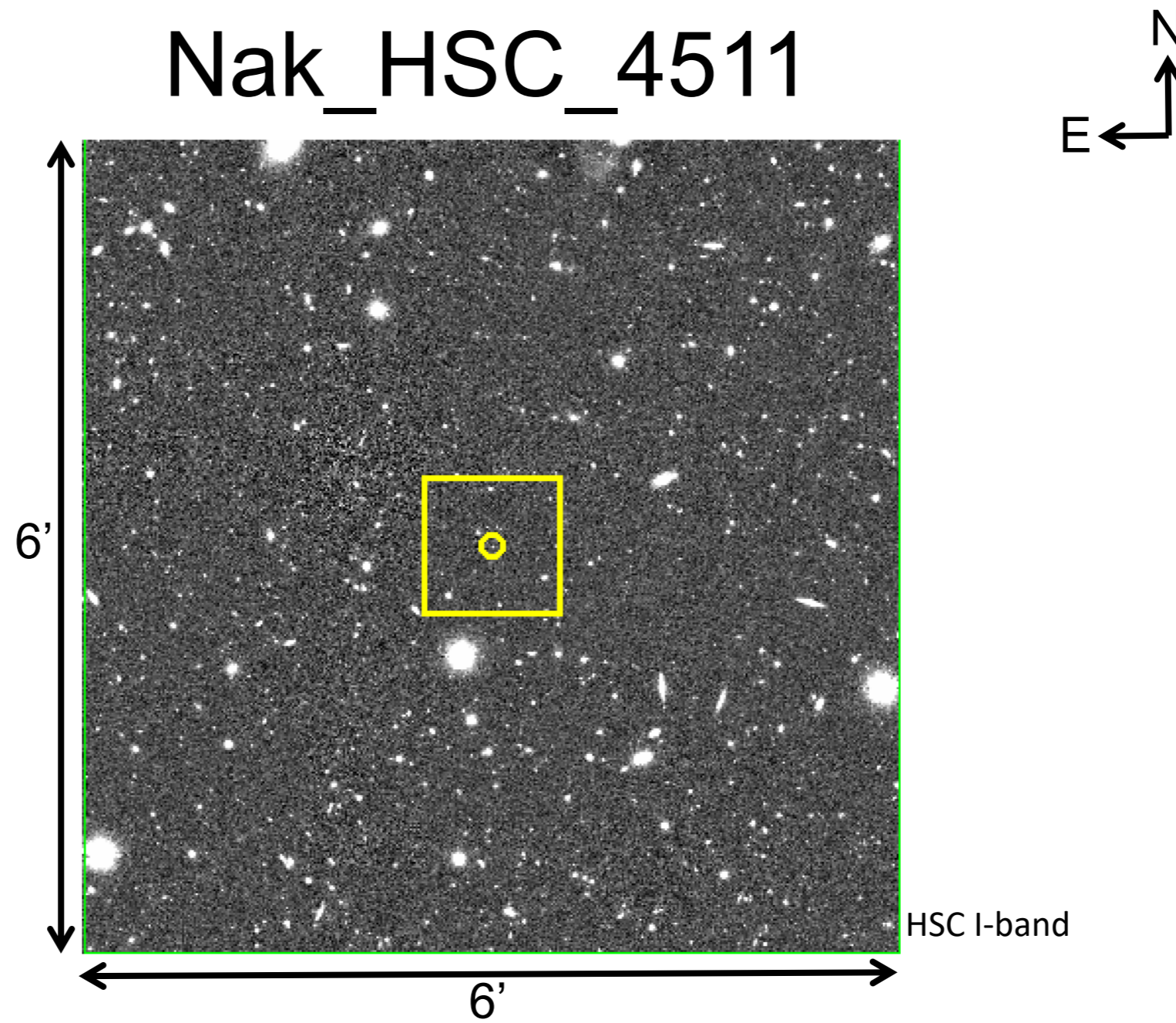
Koj_HSC_11	09:35:39.20	-01:15:41.41	
star_Koj_HSC_11	09:35:39.08	-01:15:19.83	offset: 1.80" E 21.58" S

Koj_HSC_11



4

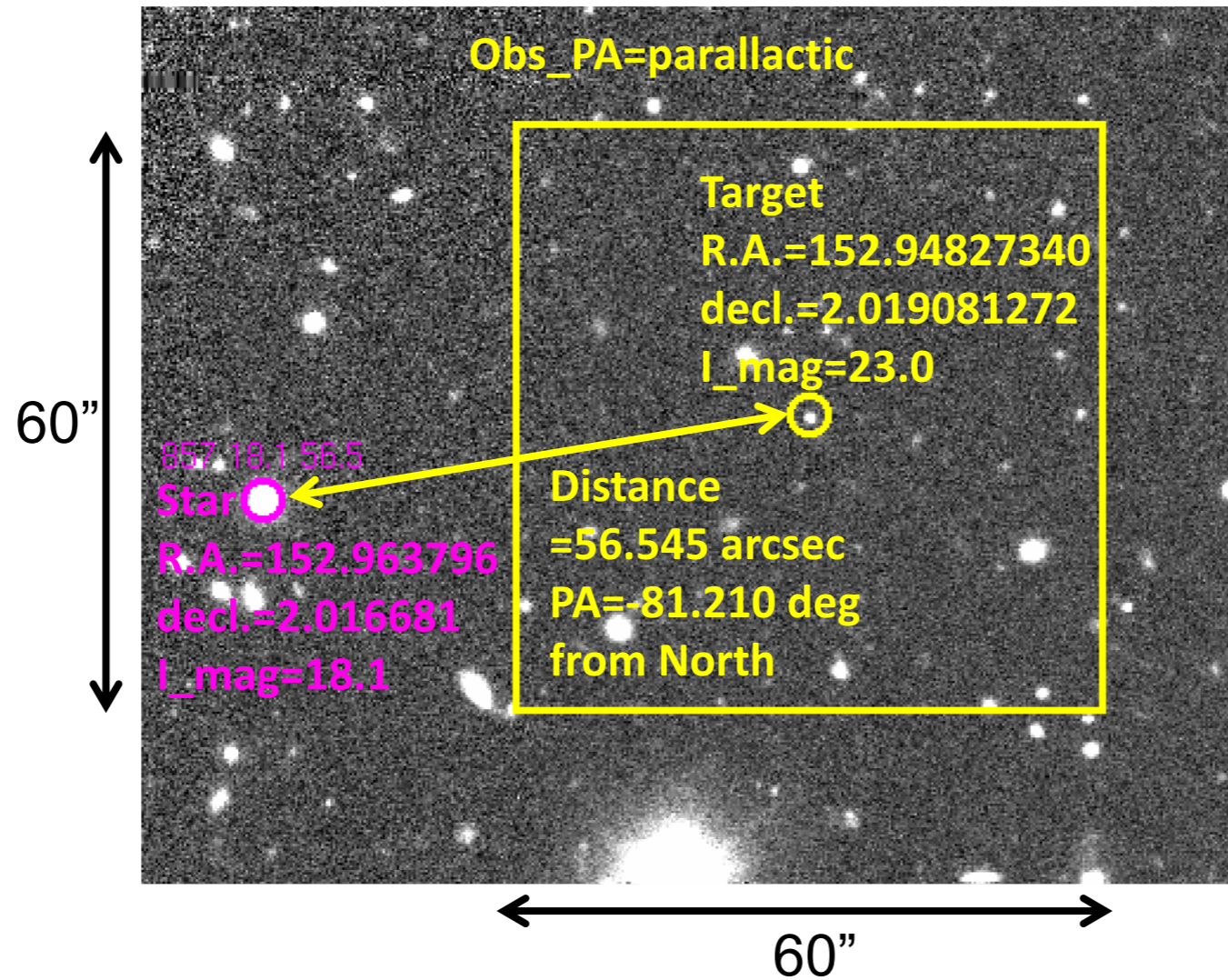
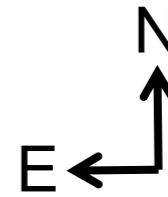
Nak_HSC_4511



4

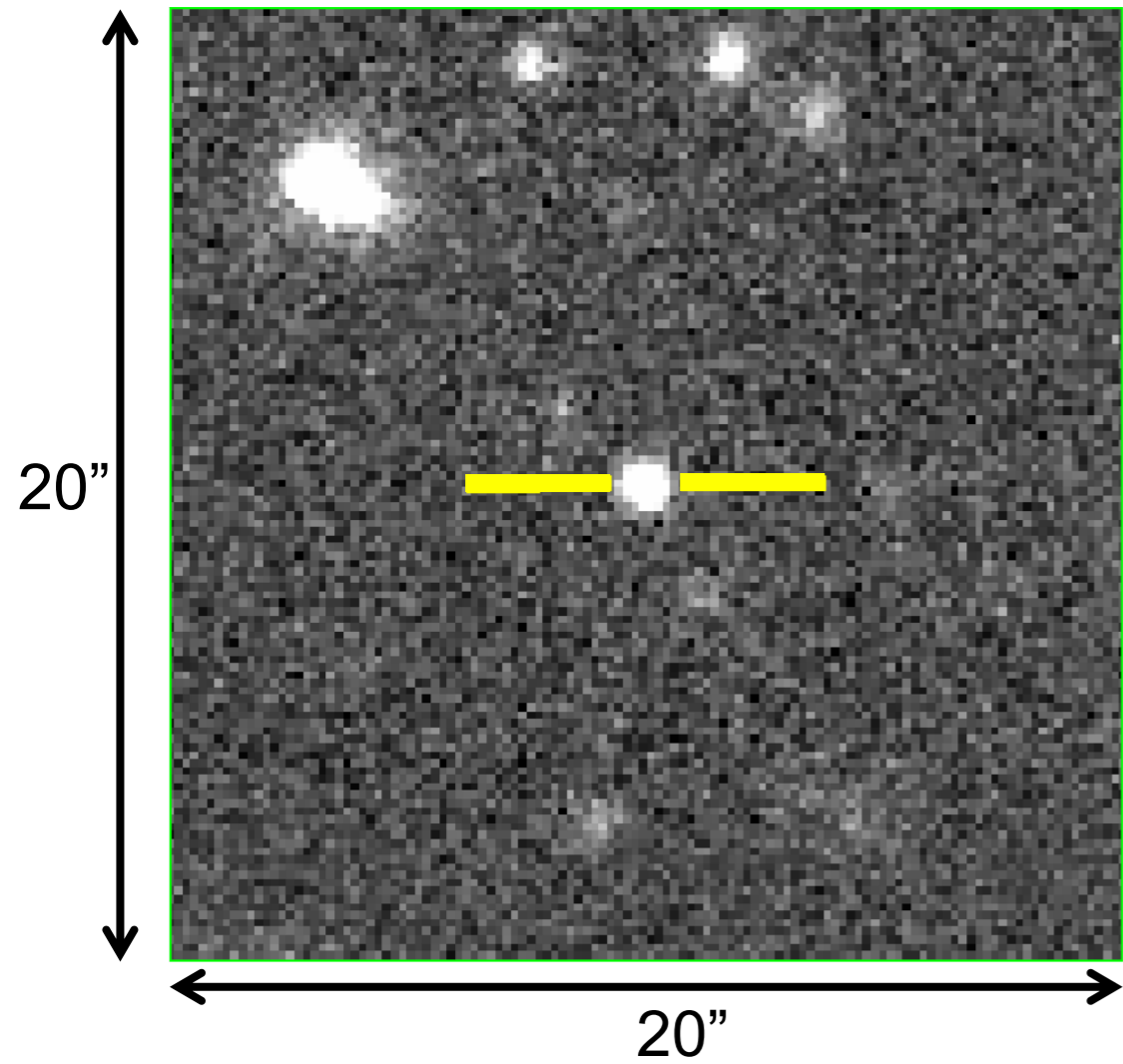
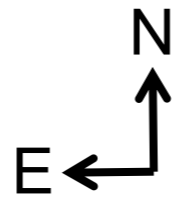
Nak_HSC_4511 10:11:47.59 02:01:08.69
star_Nak_HSC_4511 10:11:51.31 02:01:00.05 55.77 "W 8.64" N

Nak_HSC_4511



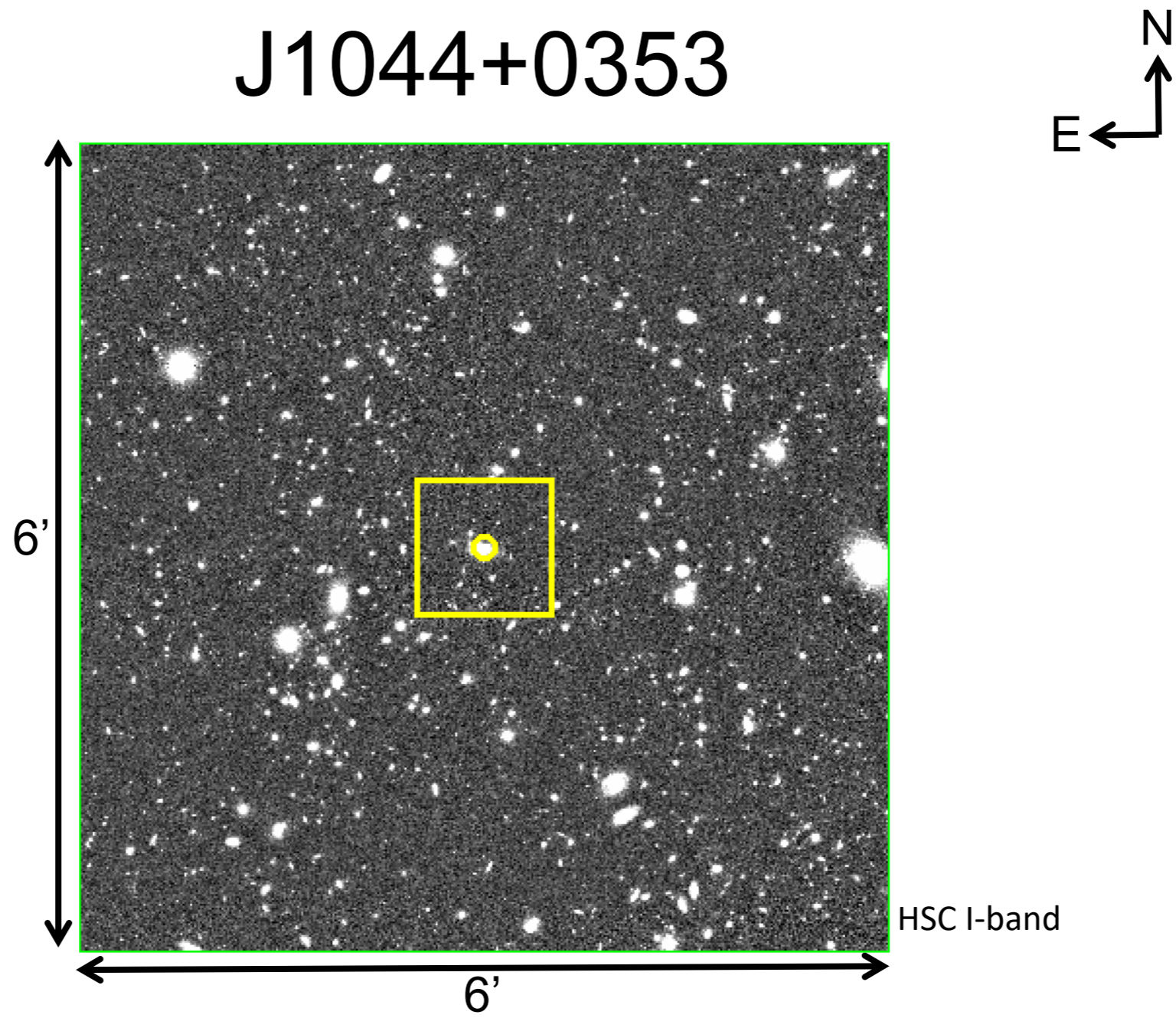
4 Nak_HSC_4511 10:11:47.59 02:01:08.69
star_Nak_HSC_4511 10:11:51.31 02:01:00.05 55.77 "W 8.64" N

Nak_HSC_4511



5

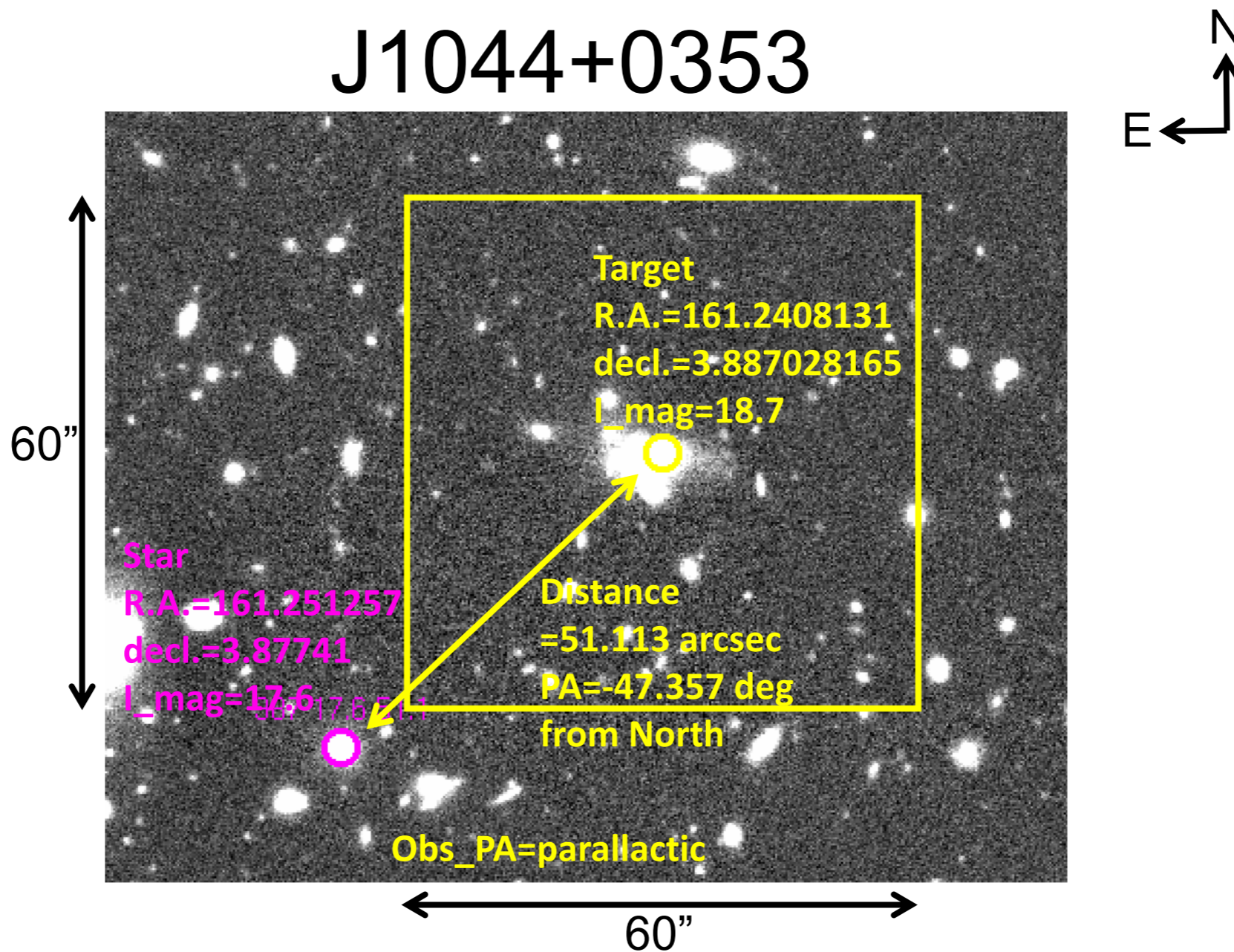
J1044+0353



5

J1044+0353 10:44:57.80 03:53:13.30
star_J1044+0353 10:45:00.30 03:52:38.68 37.41" W 34.62" N

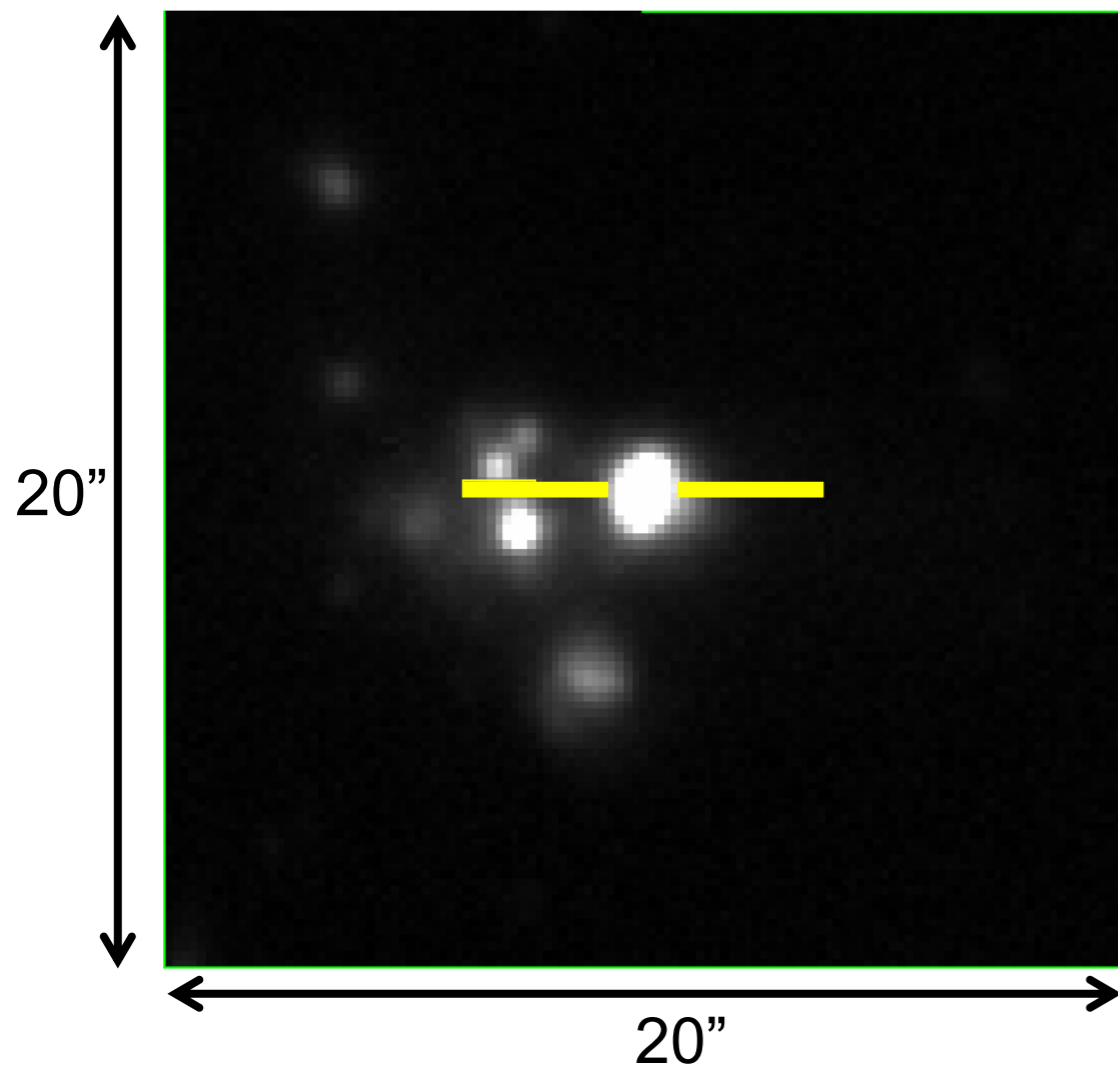
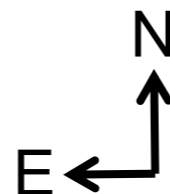
J1044+0353



5

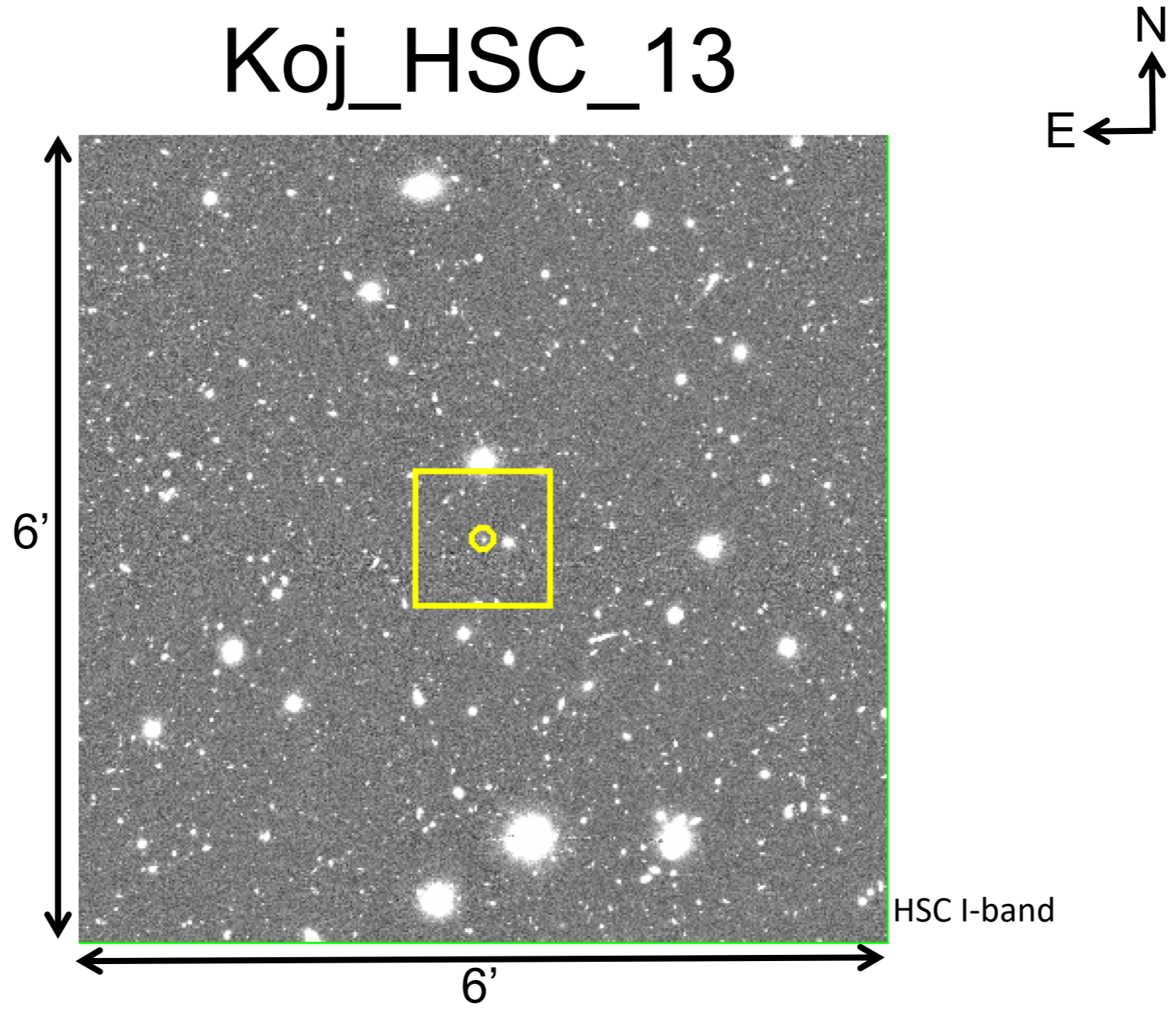
J1044+0353 10:44:57.80 03:53:13.30
star_J1044+0353 10:45:00.30 03:52:38.68 37.41" W 34.62" N

J1044+0353



6

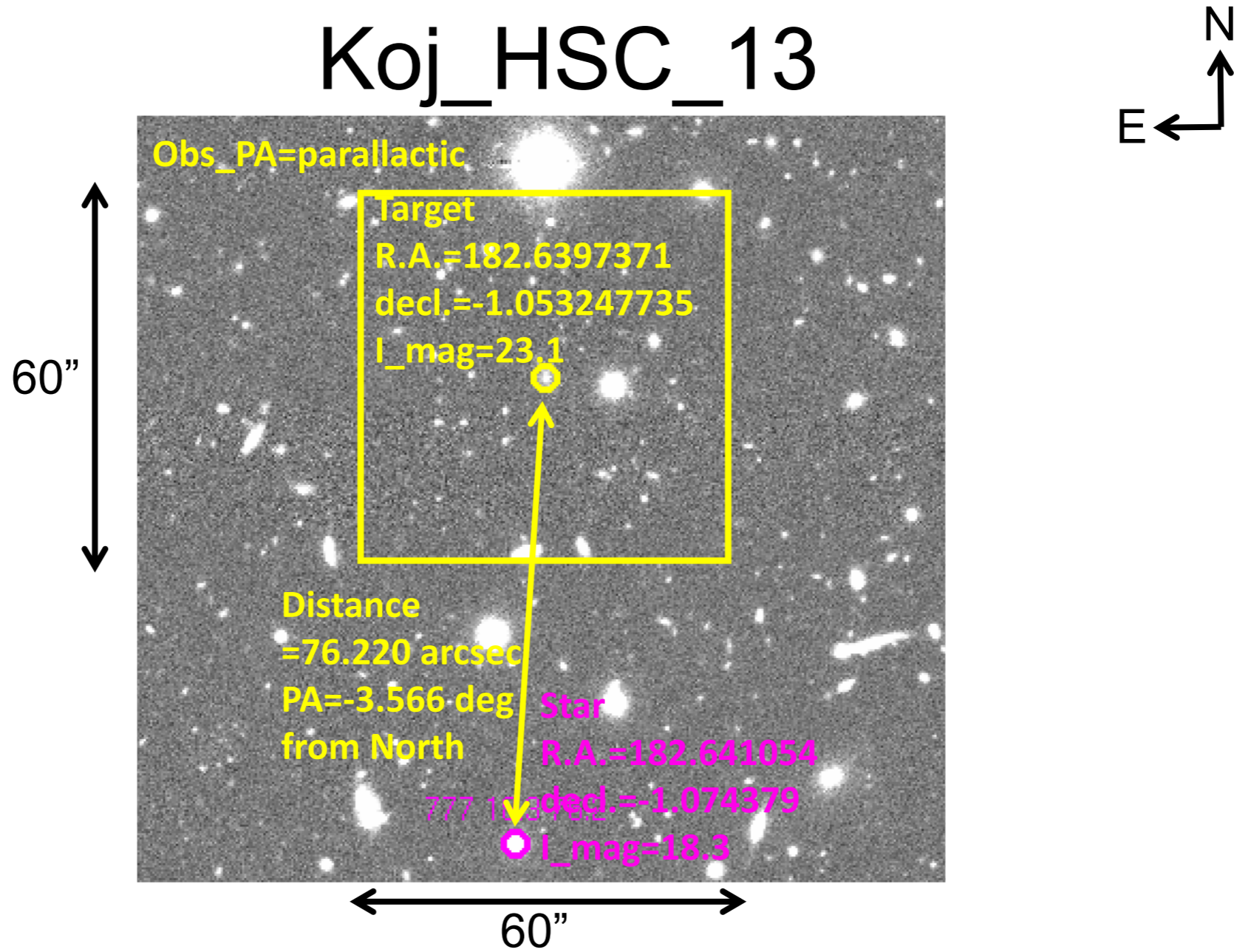
Koj_HSC_13



6

Koj_HSC_13 12:10:33.54 -01:03:11.69
star_Koj_HSC_13 12:10:33.85 -01:04:27.76 4.65" W 76.07" N

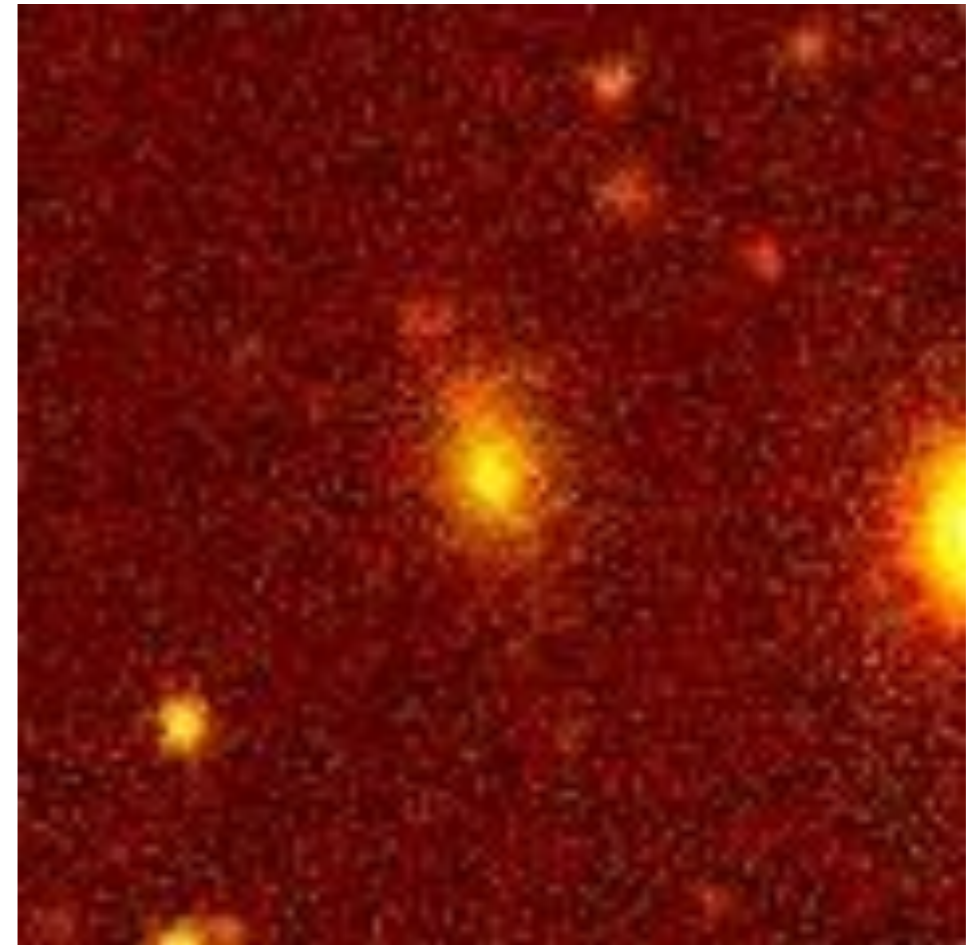
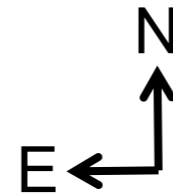
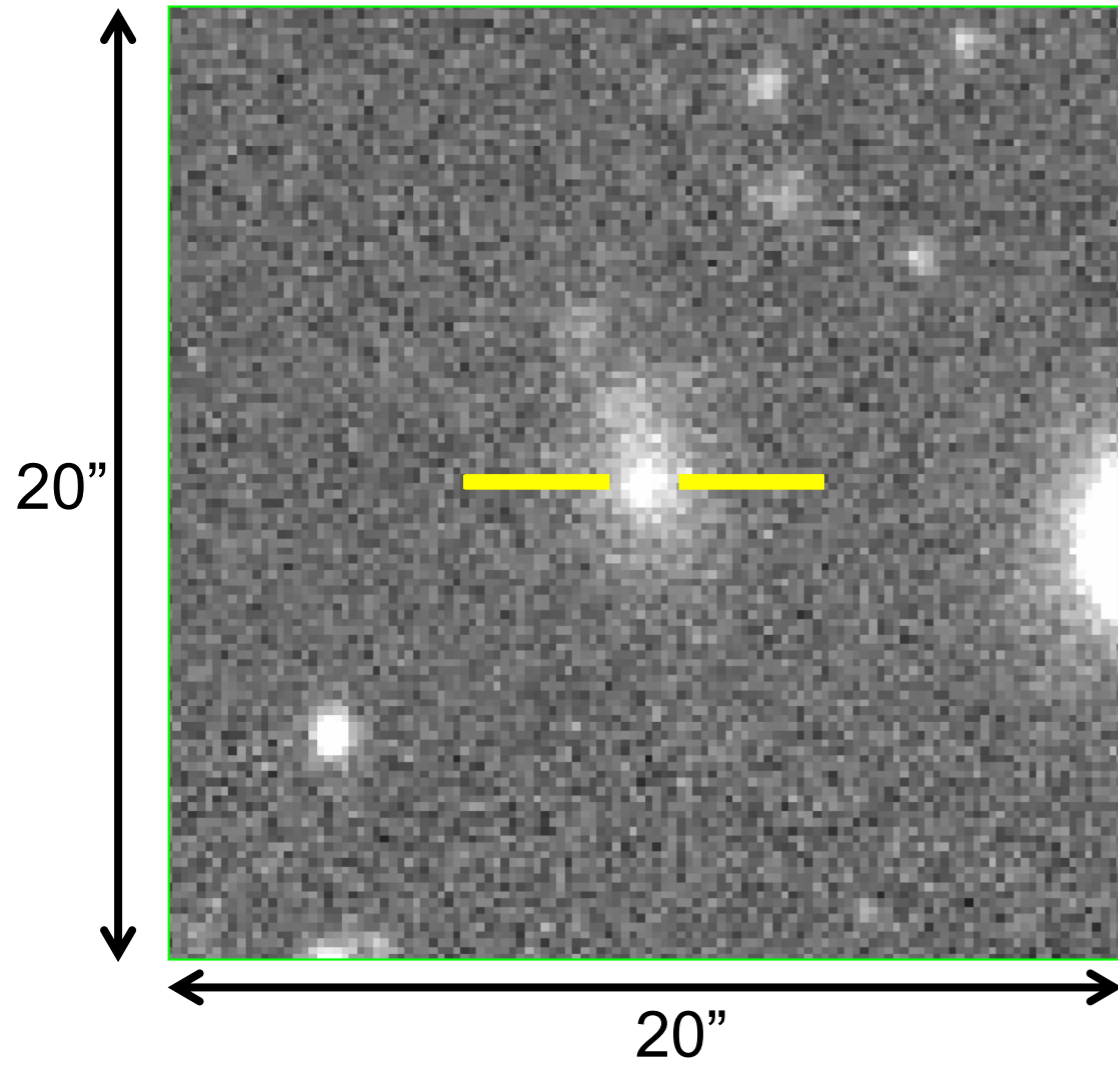
Koj_HSC_13



6

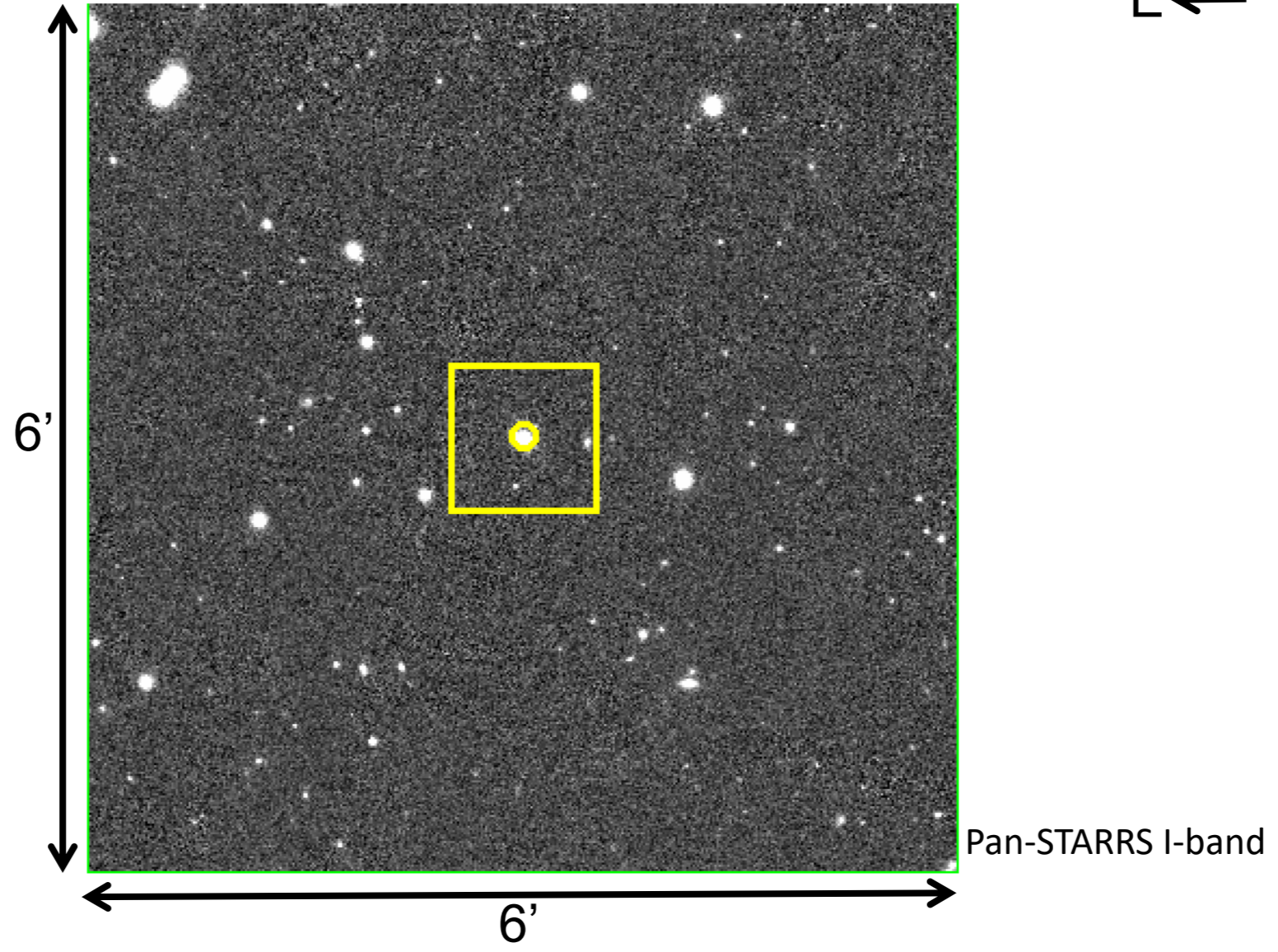
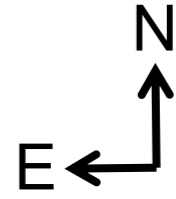
Koj_HSC_13 12:10:33.54 -01:03:11.69
star_Koj_HSC_13 12:10:33.85 -01:04:27.76 4.65" W 76.07" N

Koj_HSC_13



7

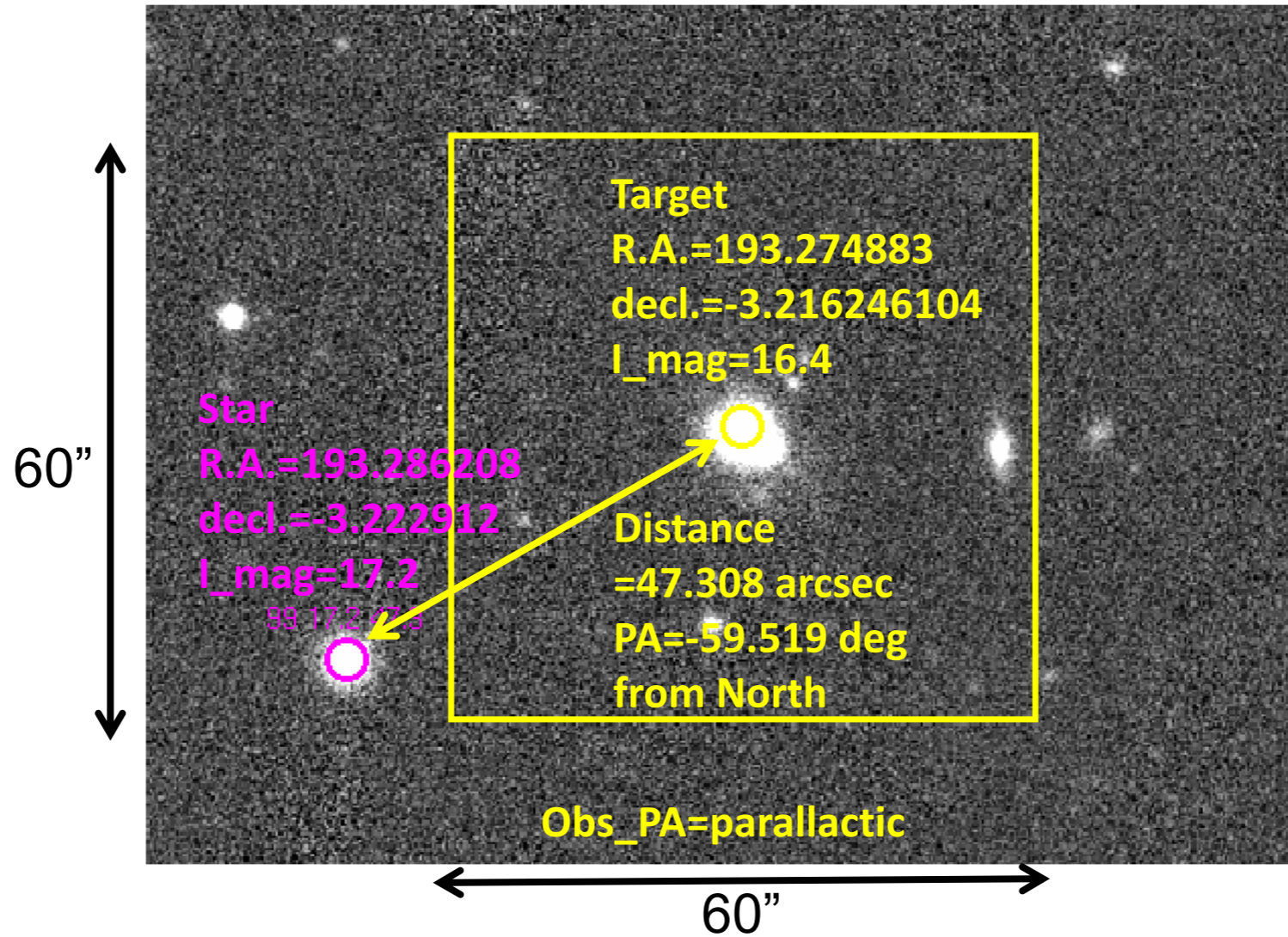
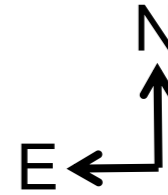
J1253-0312



7

J1253-0312	12:53:05.97	-03:12:58.49	
star_J1253-0312	12:53:08.69	-03:13:22.48	offset: 40.74" W 23.99" N

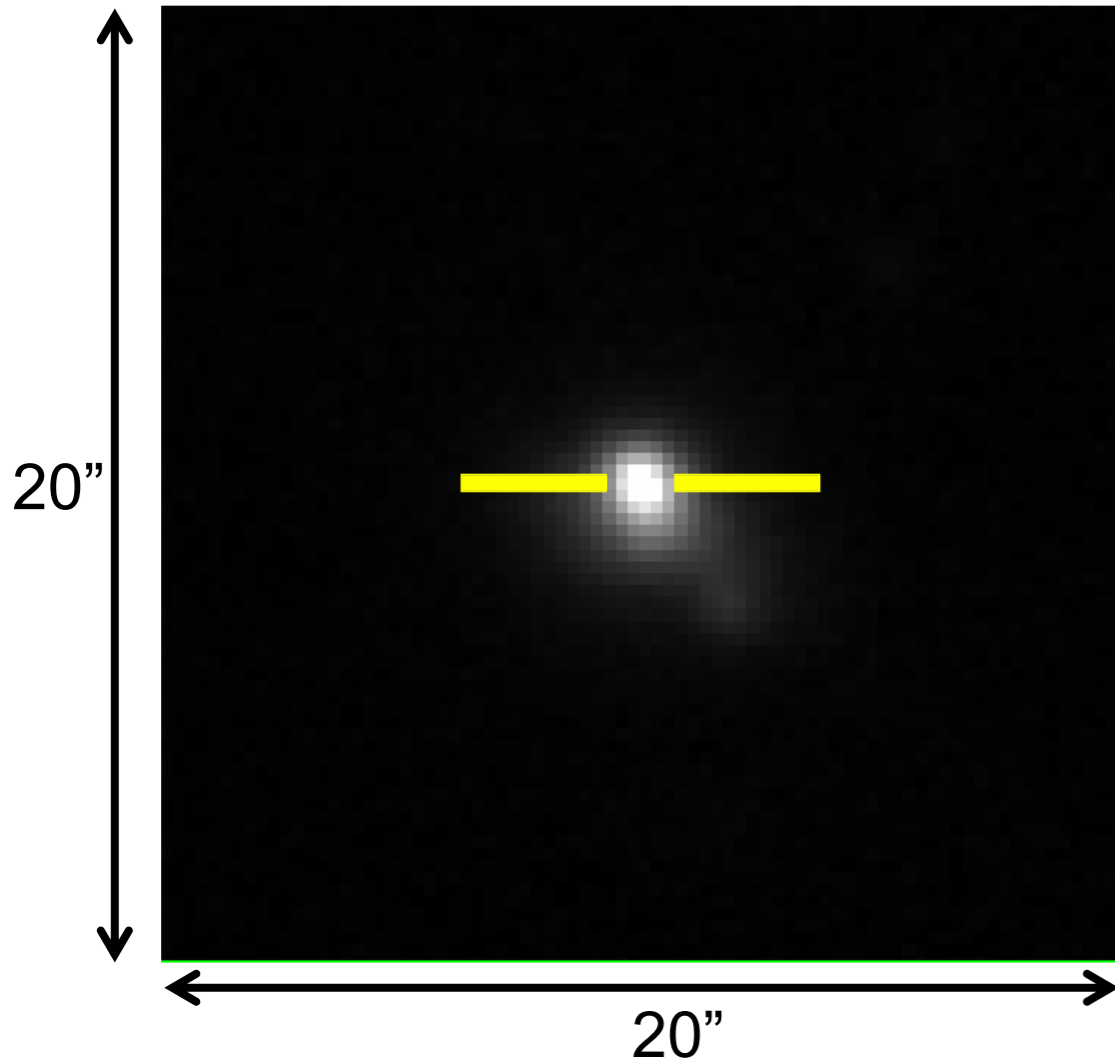
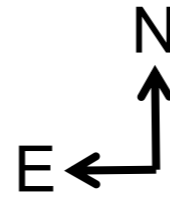
J1253-0312



7

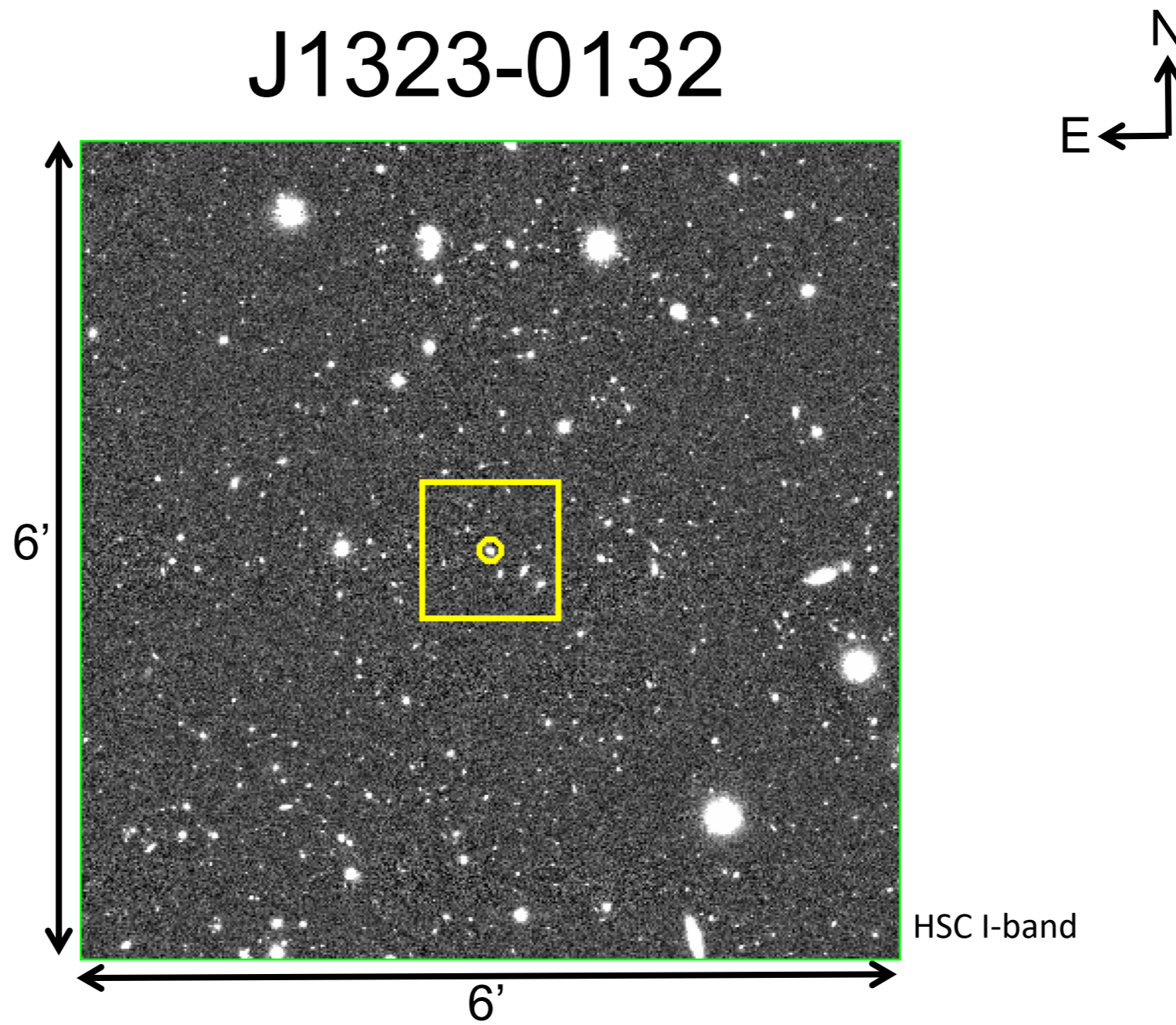
J1253-0312	12:53:05.97	-03:12:58.49	
star_J1253-0312	12:53:08.69	-03:13:22.48	offset: 40.74" W 23.99" N

J1253-0312



8

J1323-0132



8

J1323-0132

13:23:47.46

-01:32:51.94

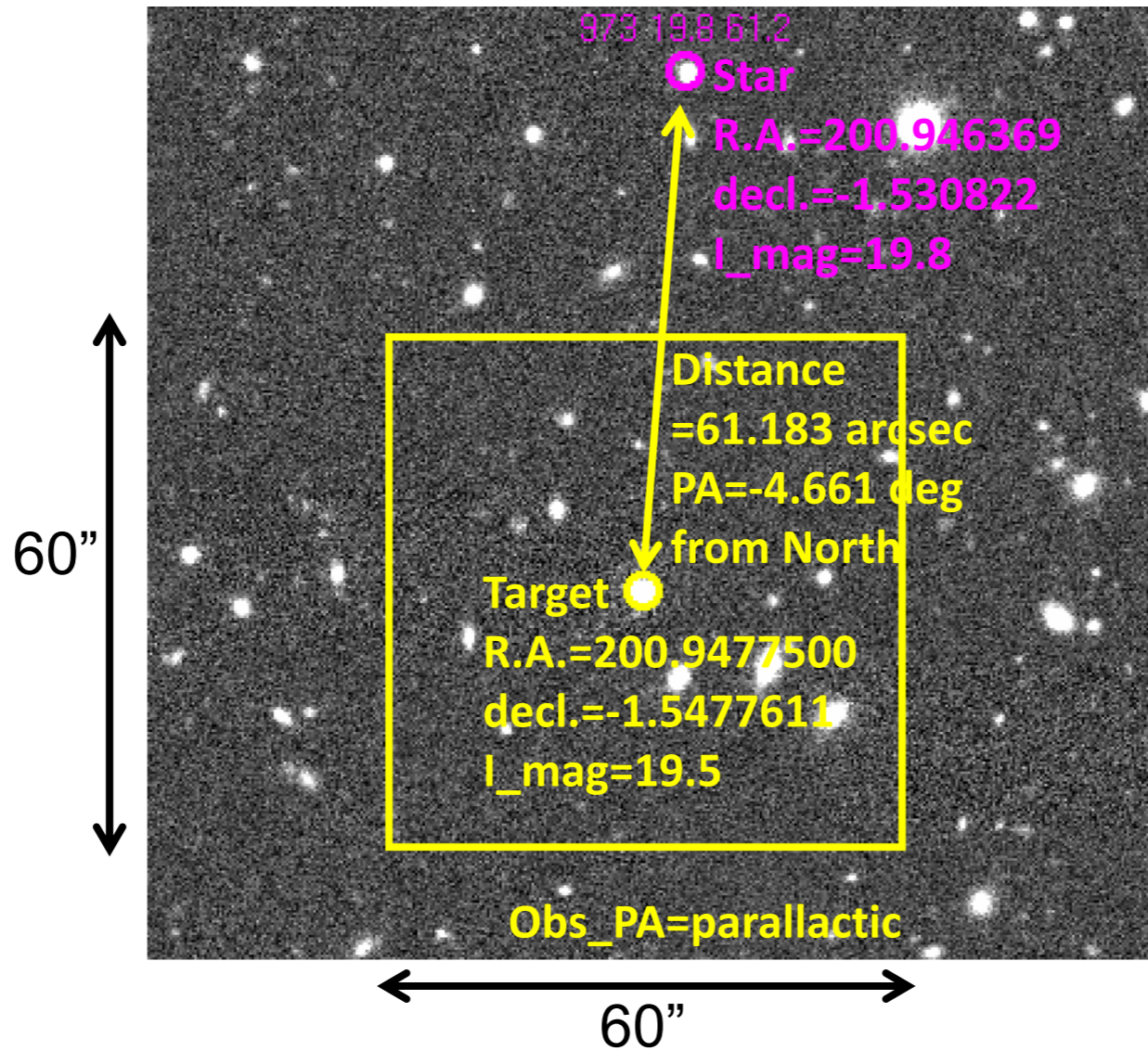
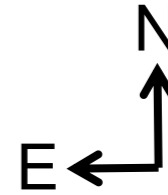
star_J1323-0132

13:23:47.13

-01:31:50.96

offset: 4.95" E 60.98" S

J1323-0132



8

J1323-0132

13:23:47.46

-01:32:51.94

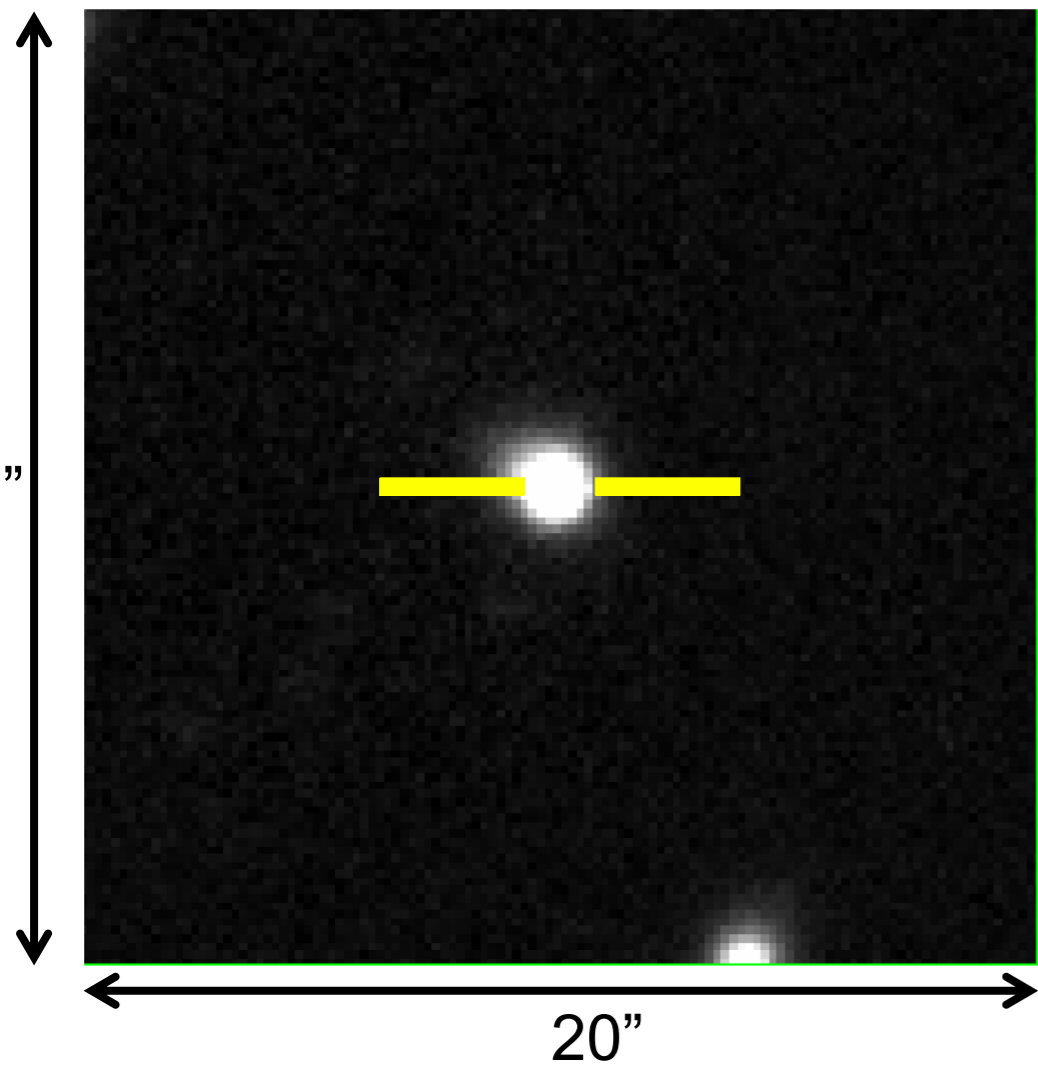
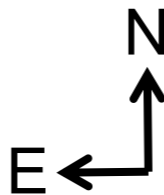
star_J1323-0132

13:23:47.13

-01:31:50.96

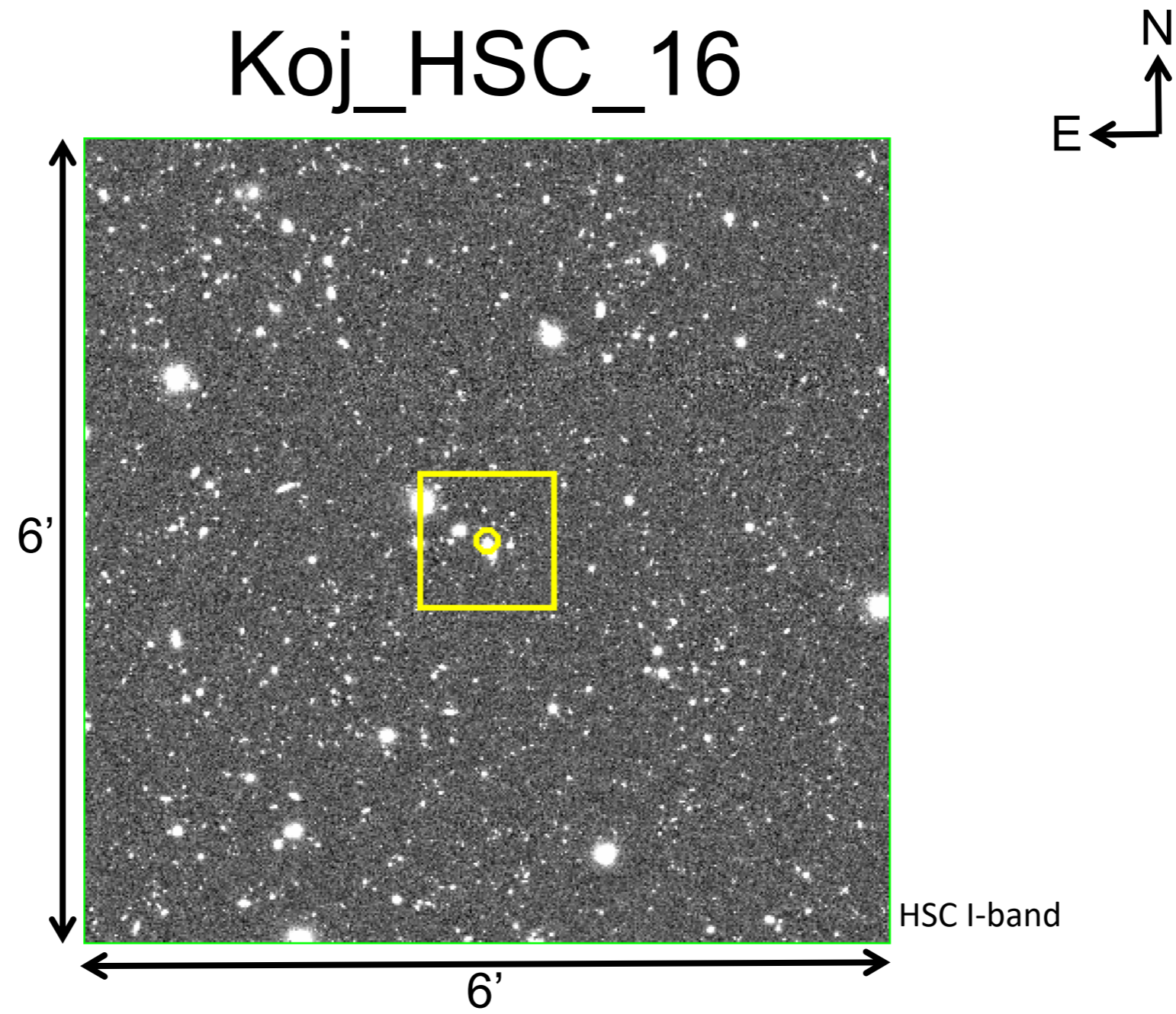
offset: 4.95" E 60.98" S

J1323-0132



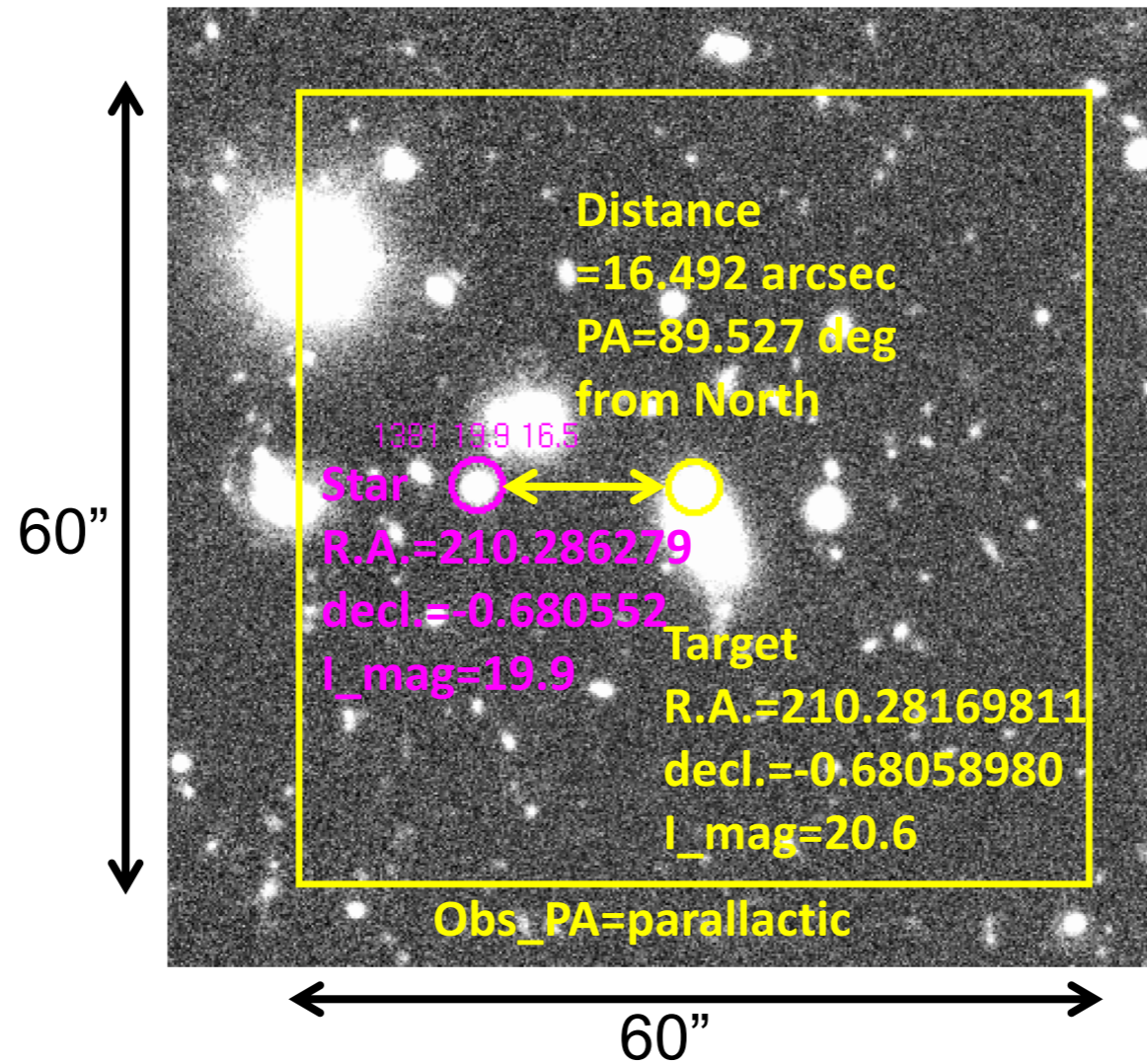
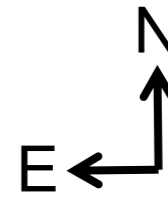
9

Koj_HSC_16



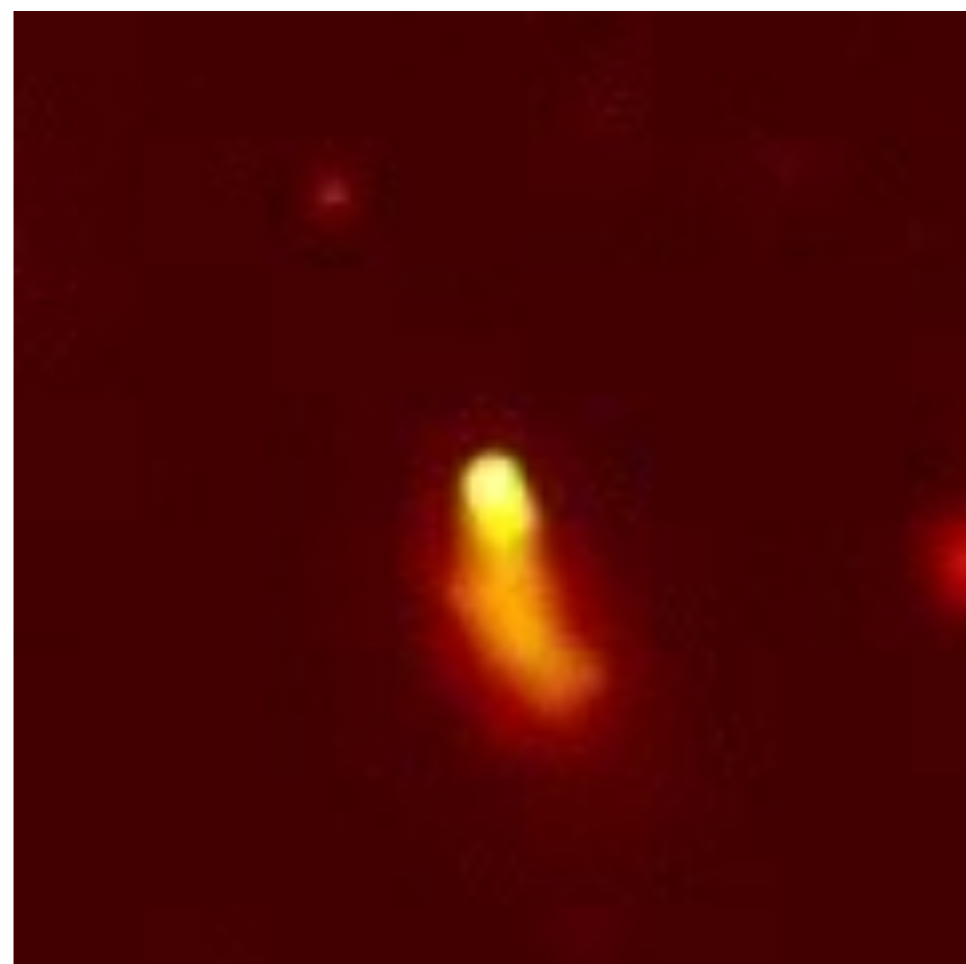
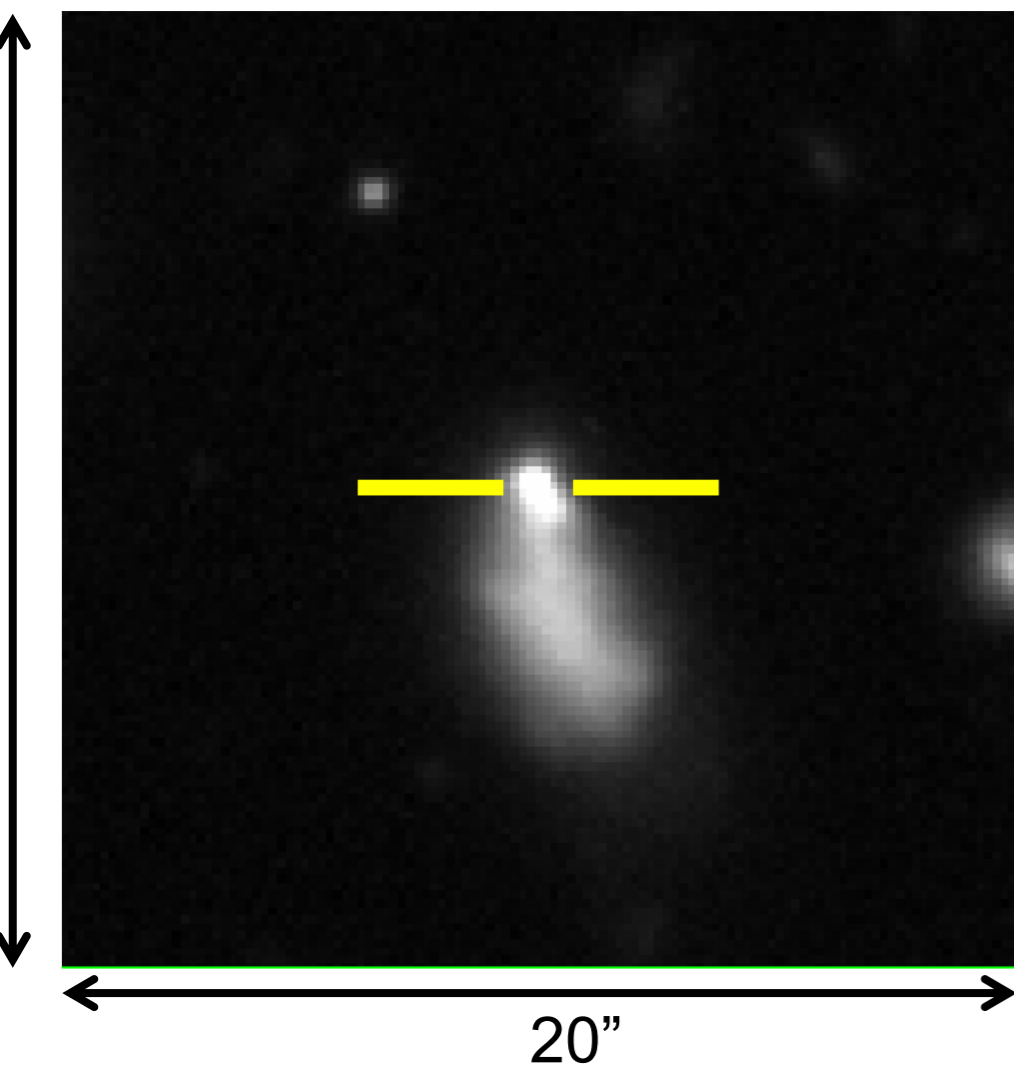
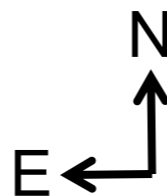
9 Koj_HSC_16 14:01:07.61 -00:40:50.12
star_Koj_HSC_16 14:01:08.71 -00:40:49.99 offset: 16.50" W 0.13" S

Koj_HSC_16

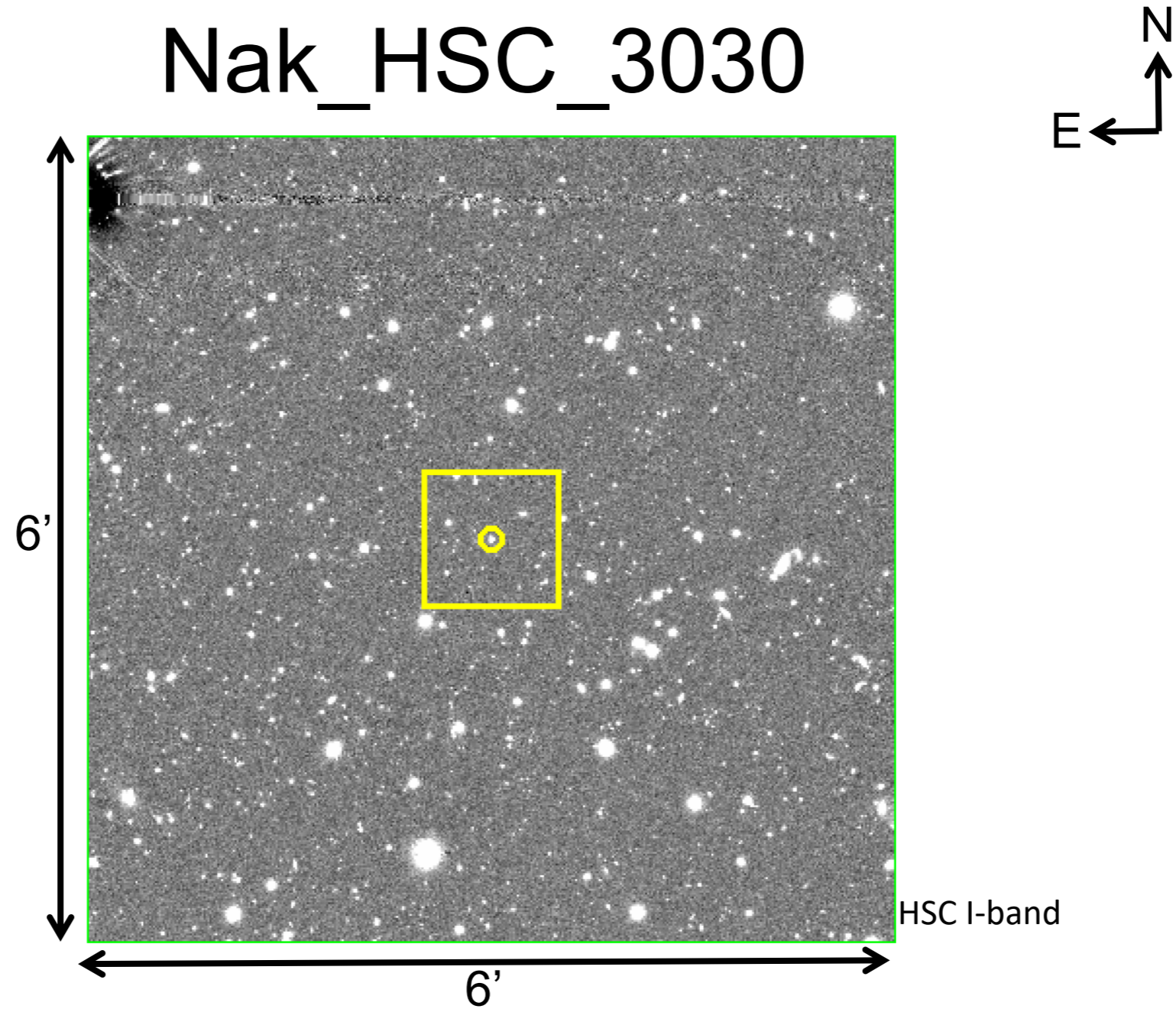


9 Koj_HSC_16 14:01:07.61 -00:40:50.12
star_Koj_HSC_16 14:01:08.71 -00:40:49.99 offset: 16.50" W 0.13" S

Koj_HSC_16

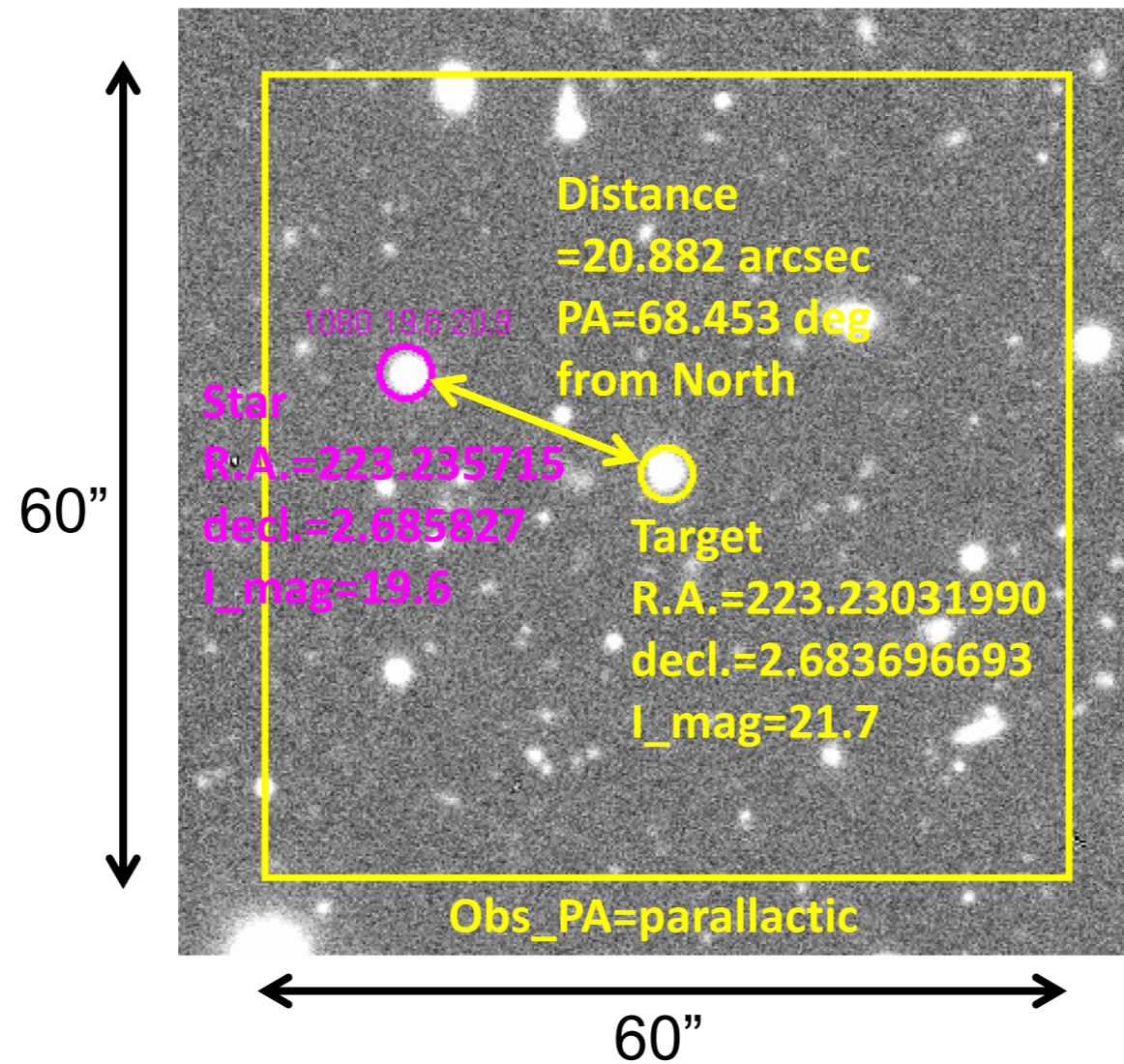
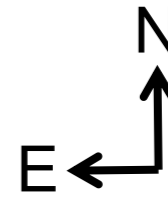


Nak_HSC_3030



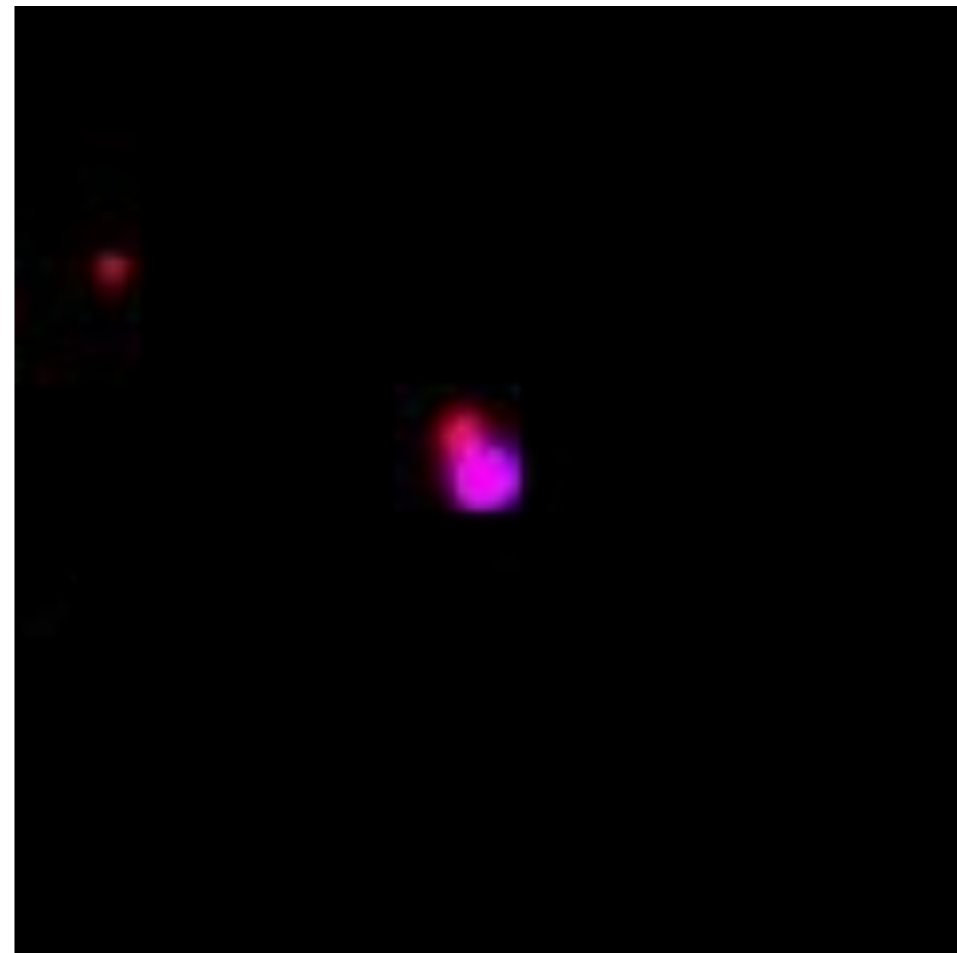
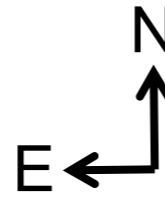
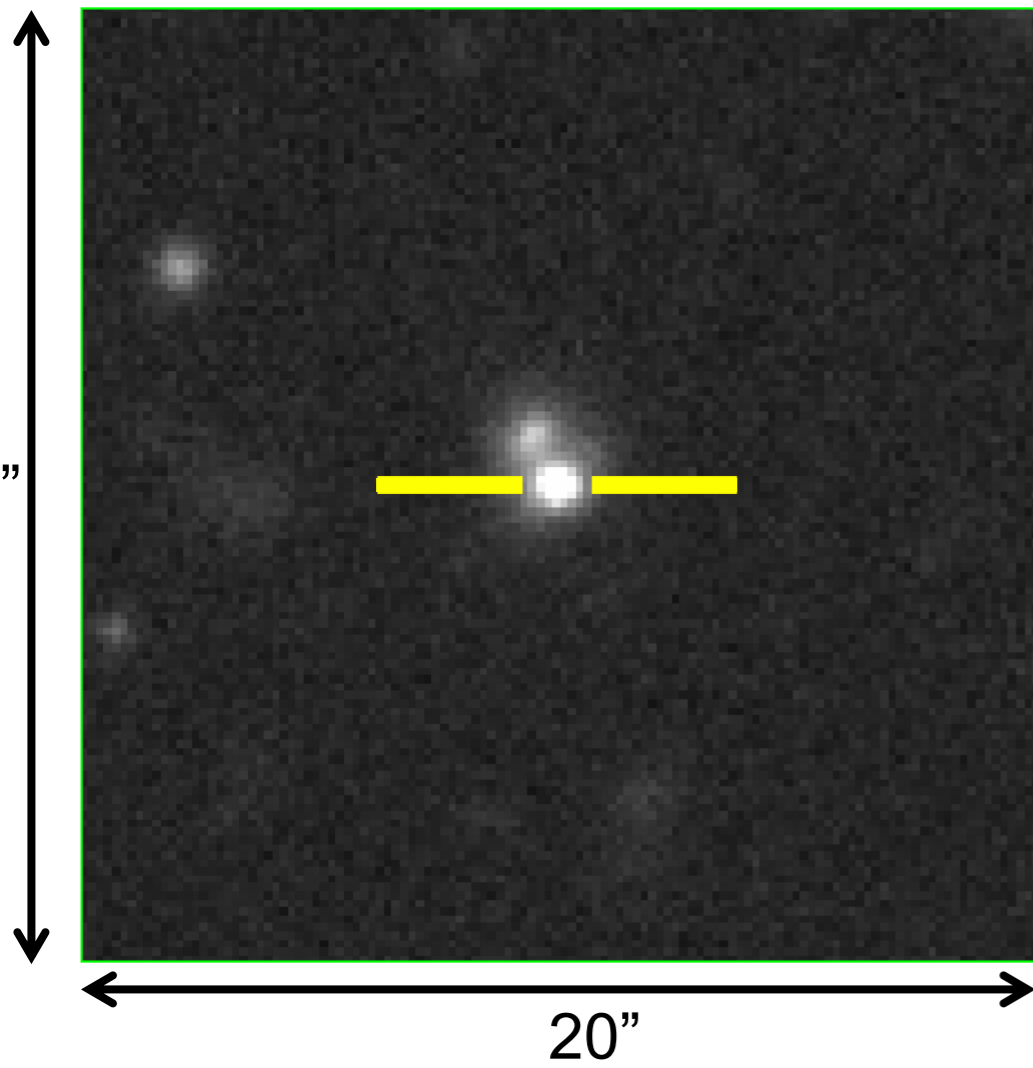
11 Nak_HSC_3030 14:52:55.28 02:41:01.31
star_Nak_HSC_3030 14:52:56.57 02:41:08.98 offset: 19.33" W 7.67" S

Nak_HSC_3030



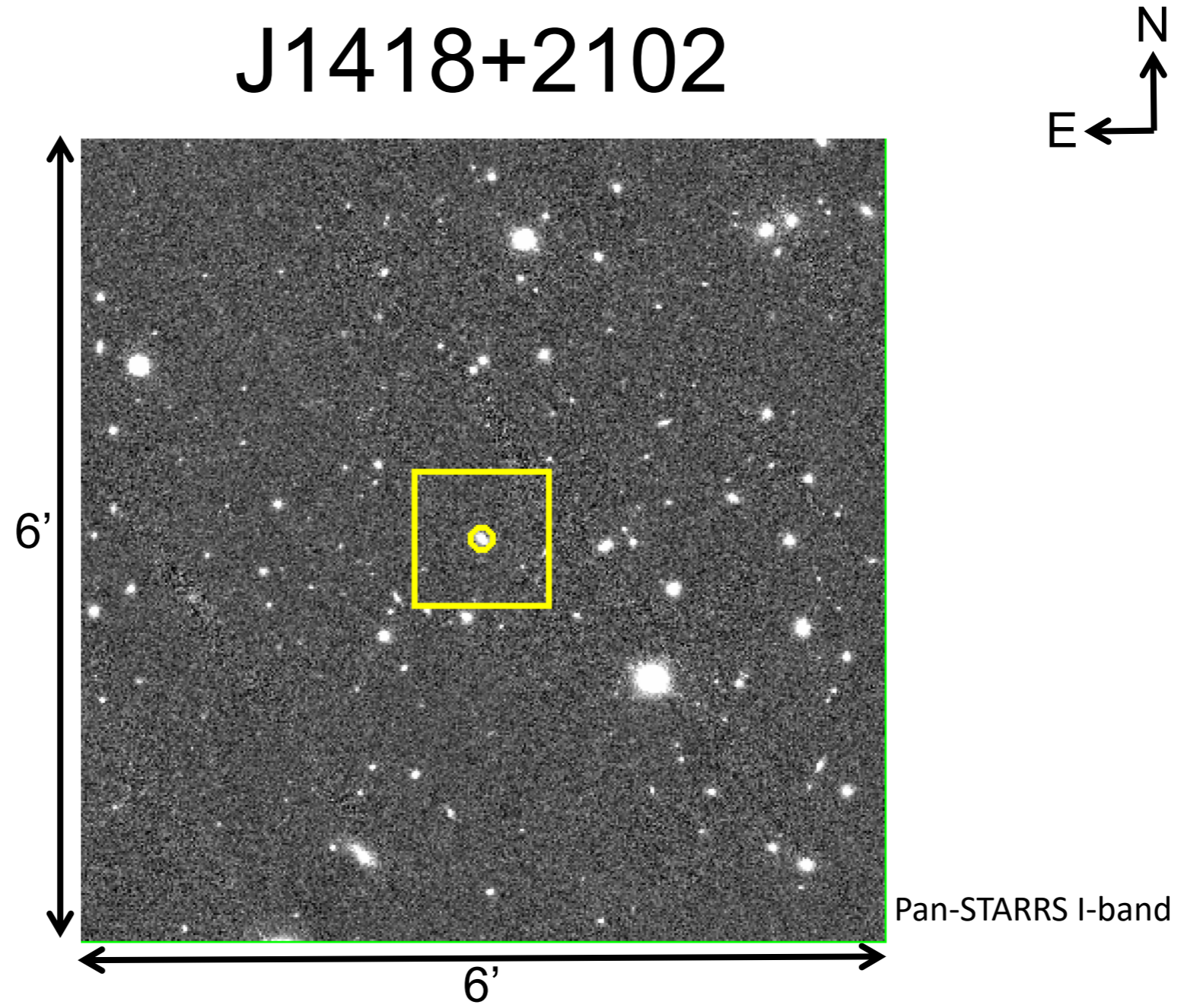
11 Nak_HSC_3030 14:52:55.28 02:41:01.31
star_Nak_HSC_3030 14:52:56.57 02:41:08.98 offset: 19.33" W 7.67" S

Nak_HSC_3030



10

J1418+2102



10

J1418+2102

14:18:51.13

21:02:40.02

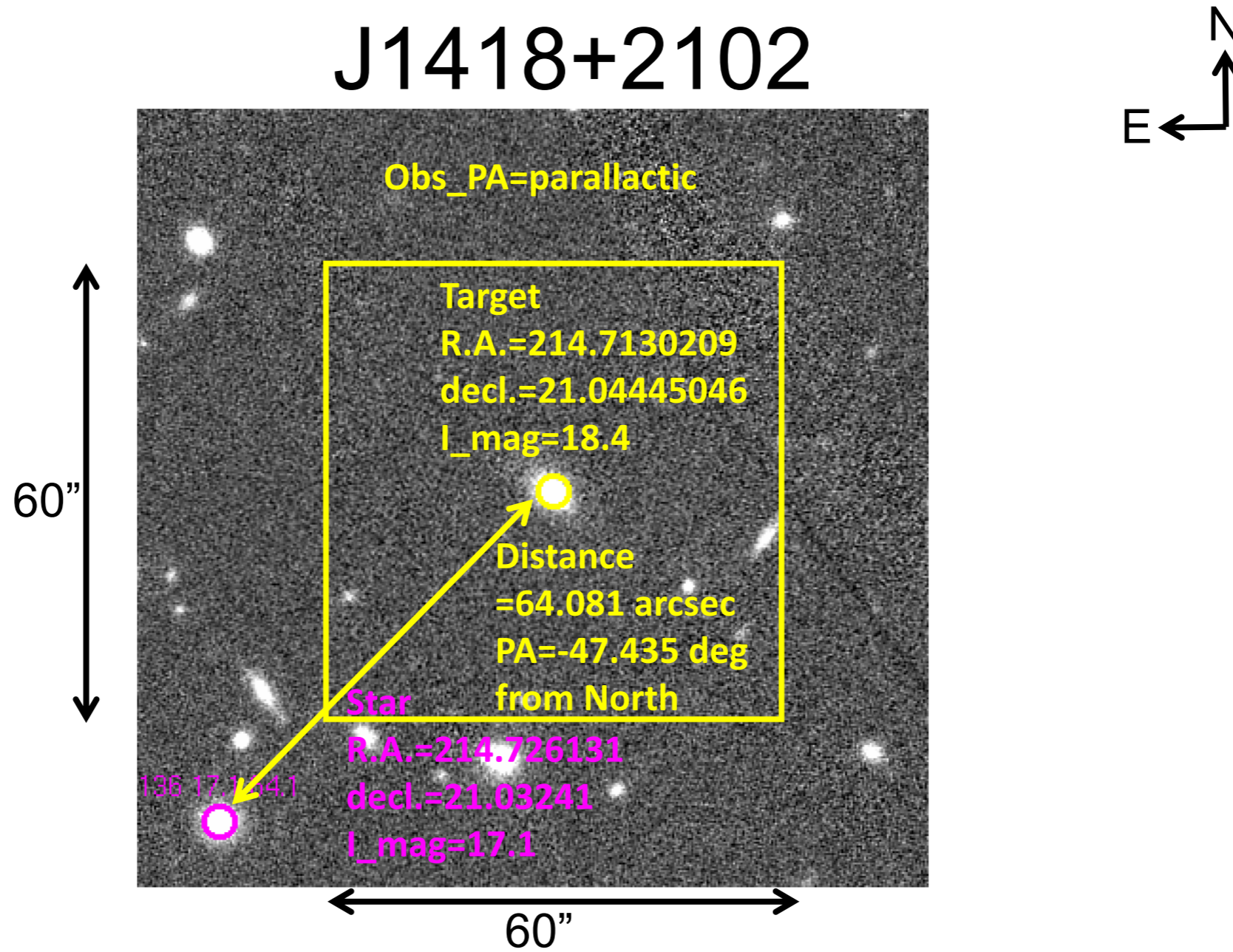
star_J1418+2102

14:18:54.27

21:01:56.68

offset: 43.96" W 43.34" N

J1418+2102



10

J1418+2102

14:18:51.13

21:02:40.02

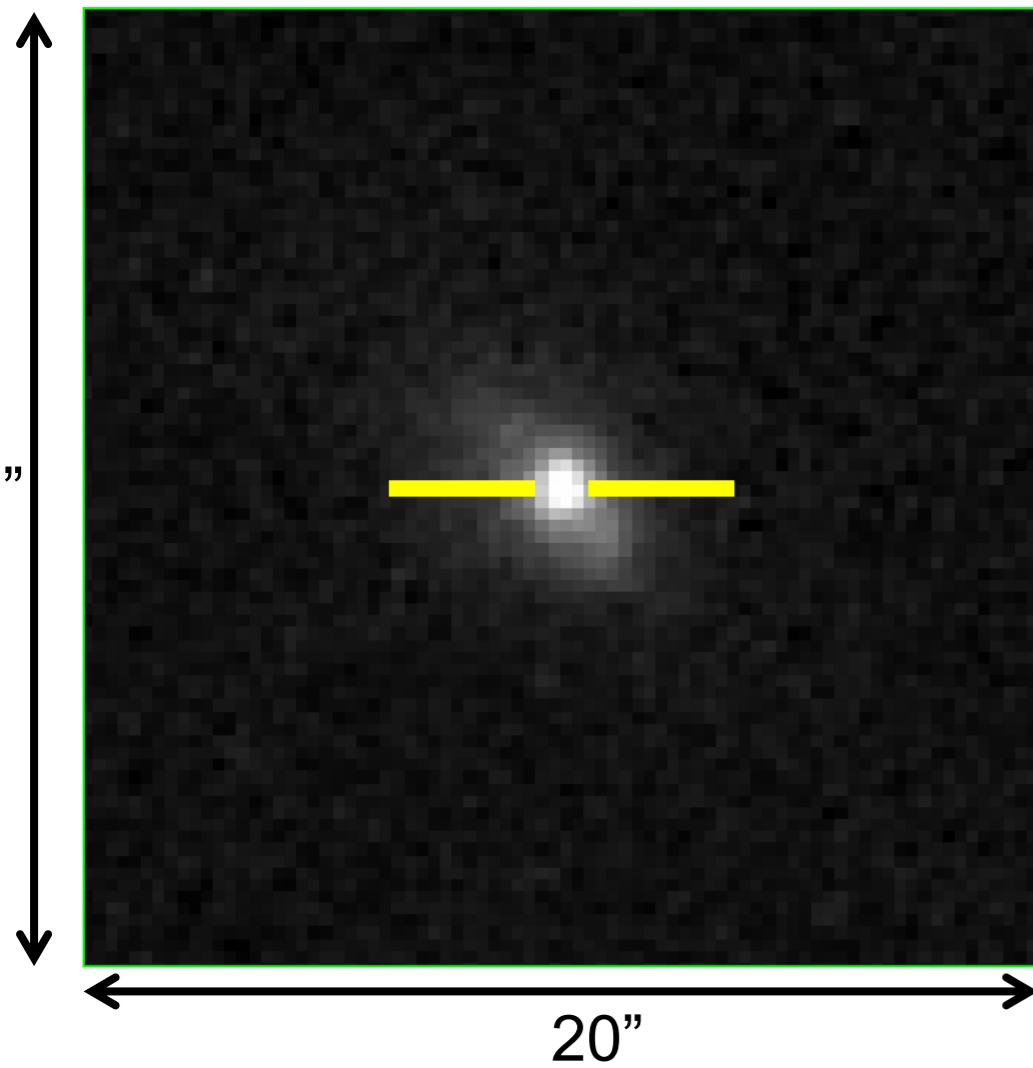
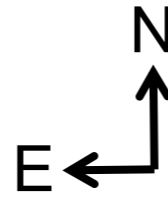
star_J1418+2102

14:18:54.27

21:01:56.68

offset: 43.96" W 43.34" N

J1418+2102



Altitudes, Las Campanas Observatory

289.3074E -29.0146N, 2380 m above sea level

