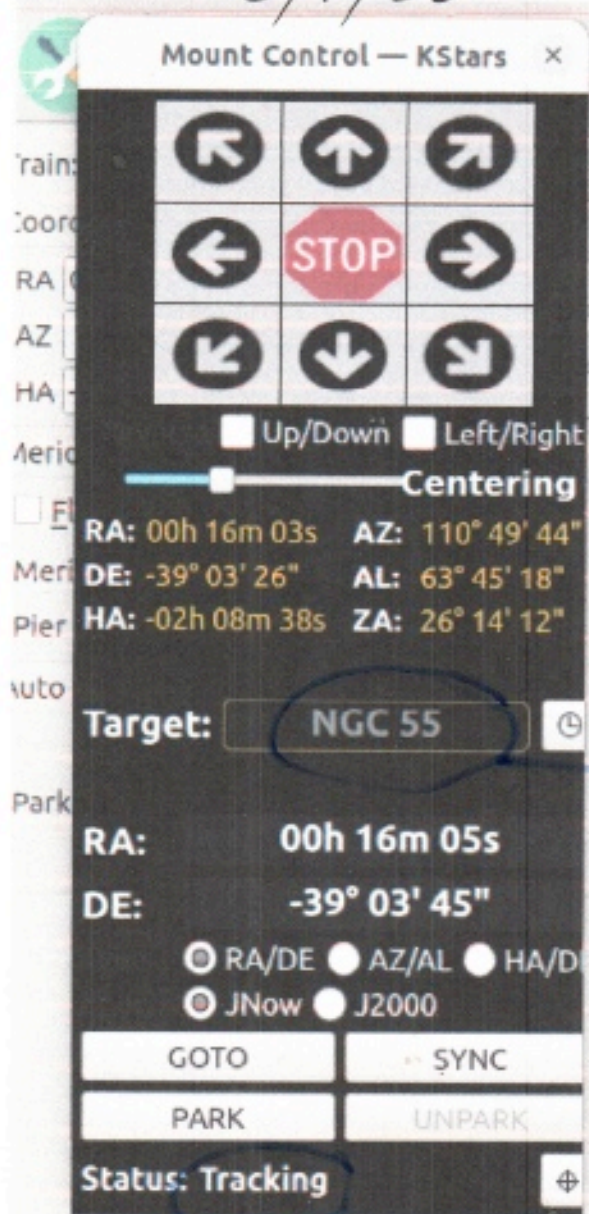


LEN NORTH - 23/7/23

ALIGNMENT.



LOG -  
01-51-05.txt  
(23-07-23 To 1:58:35 AWST)  
SET TARGET  
RA = 00h 16m 05s  
DEC -39° 03' 45"'''

- 1) purged nightly build as those issues were the same as on the Stable Build
- 2) Blank fields had been tonight's issue
- 3) Set up on NGC 55 then went to focus and align. Focus worked just fine.
- 4) Checked the camera page and found that the target field was blank.

KSTARS Ver 3.6.5 Stable  
BUILD 2023-07-04T 12:51:19Z

ATTACH LOG. 01-51-05.txt

The screenshot shows the Ekos software interface with the following settings:

- Train:** Primary
- Camera & Filter Wheel:**
  - Camera: QSI CCD
  - Cooler: On (with temperature set to -20.00 and a green checkmark icon)
- Capture Settings:**
  - Exposure: 1.000
  - Filter: Blu
  - Count: 1
  - Delay: 0
  - Format: Mono (with FITS selected)
  - ISO: (empty)
  - Type: Light
  - Gain: 0.0
  - Frame: X: 0, Y: 0, Offset: 0.0
  - Size: W: 3528 (highlighted), H: 2504
  - Binning: H: 1, V: 1
- File Settings:**
  - Target: Target
  - Directory: /home/len/A-Cap
  - Format: /%t/%F/%t\_%e\_%T\_%F\_%D
  - Save: Locally
  - Remote: /home/pi

The Target information was missing from the File Settings

I used to type this info in and it would be OK, but not on this version.

(I have highlighted the Camera Width setting as my QSI Imaging Camera has a few columns missing from the right side of the sensor – I would like to change this to W = 3344 )



Train: Primary

Solver Control: **Capture & Solve**

Solver Action:  Sync,  Slew to Target,  Nothing

Telescope Coordinates (JNow)  
 RA: 00:16:03 Accuracy 10  
 DE: -39:03:26 Settle 1500

Solution Coordinates (JNow)  
 RA: 00:16:03 DE: -39:03:26  
 Err: 24 arcsec. RA:-16 DE:18  
 Pix: 4.10 PA: -89.76  
 FOV: 120.1' x 85.3' R: 1.00x  
 FL: 545.0 (543.9) F/: 5.4 (5.4)

Plate Solve Capture Options  
 Exp: 6.00 Bin: 2x2 Gain: 0.0  
 ISO: Dark  
 Filter: Blu use current

Solver Mode  
 StellarSolver  Remote

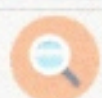
**Solution Results** Polar Alignment  
 The results from Astrometric Solutions I and the Mount Model Tool will be displayed

	RA	DEC	Obj Name	--
1	00:16:03	-39:03:45	None	
2	00:16:07	-39:03:45	None	

2023-07-23T02:16:30 Solver aborted after 1.01 seconds.  
 2023-07-23T02:16:30 Slewing failed.  
 2023-07-23T02:16:30 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").  
 2023-07-23T02:16:30 Slewing failed.  
 2023-07-23T02:16:30 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").  
 2023-07-23T02:16:30 Slewing failed.  
 2023-07-23T02:16:30 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").

The Solver / Alignment screen shows the Object Name as None – under the photo.  
 The next screen shows that solver attempted to solve but aborted.





Train: Primary

Solver Control

Solver Action

Telescope Coordinates (JNow)

Solution Coordinates (JNow)

Plate Solve Capture Options

Solver Mode



2023-07-23T02:20:05 Solver aborted after 0.94 seconds. #

2023-07-23T02:20:05 Slewing failed.

2023-07-23T02:20:05 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").

2023-07-23T02:20:05 Slewing failed.

2023-07-23T02:20:05 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").

2023-07-23T02:20:05 Slewing failed.

2023-07-23T02:20:05 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").

2023-07-23T02:20:05 Syncing to RA (00h 16m 04s) DEC (-39° 03' 23")

2023-07-23T02:20:05 Target is within 00° 00' 24" degrees of solution coordinates.

2023-07-23T02:20:05 Solution coordinates: RA (00h 16m 04s) DEC (-39° 03' 23") Telescope Coordina

Coordinates: RA (00h 16m 05s) DEC (-39° 03' 45")

2023-07-23T02:20:05 Effective telescope focal length is updated to 543.924 mm.

2023-07-23T02:20:05 Solver completed after 0.57 seconds.

2023-07-23T02:20:04 Image received.

2023-07-23T02:19:48 Capturing image...

2023-07-23T02:16:30 Solver aborted after 1.01 seconds.

2023-07-23T02:16:30 Slewing failed.

2023-07-23T02:16:30 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").

2023-07-23T02:16:30 Slewing failed.

2023-07-23T02:16:30 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").

2023-07-23T02:16:30 Slewing failed.

2023-07-23T02:16:30 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").

2023-07-23T02:16:30 Syncing to RA (00h 16m 04s) DEC (-39° 03' 27")

2023-07-23T02:16:30 Target is within 00° 00' 24" degrees of solution coordinates.

2023-07-23T02:16:30 Solution coordinates: RA (00h 16m 04s) DEC (-39° 03' 27") Telescope Coordina

Coordinates: RA (00h 16m 05s) DEC (-39° 03' 45")

2023-07-23T02:16:30 Effective telescope focal length is updated to 543.9 mm.

2023-07-23T02:16:30 Solver completed after 0.67 seconds.

2023-07-23T02:16:29 Image received.

2023-07-23T02:16:13 Capturing image...

2023-07-23T02:16:11 Slew complete. Target accuracy is not met, running solver again...

2023-07-23T02:16:02 Slewing to target coordinates: RA (00h 16m 05s) DEC (-39° 03' 45").

2023-07-23T02:16:02 Syncing to RA (00h 34m 13s) DEC (-40° 19' 42")

2023-07-23T02:16:02 Target is within 04° 42' 23" degrees of solution coordinates.

2023-07-23T02:16:02 Solution coordinates: RA (00h 34m 13s) DEC (-40° 19' 42") Telescope Coordina

Coordinates: RA (00h 16m 05s) DEC (-39° 03' 45")

2023-07-23T02:16:02 WCS information updated. Images captured from this point forward shall have

2023-07-23T02:16:02 Effective telescope focal length is updated to 543.711 mm.

2023-07-23T02:16:02 Solver completed after 2.20 seconds.

2023-07-23T02:16:00 Image received.

2023-07-23T02:15:44 Capturing image...

Solver information – post abort. Nothing more to do but abandon photography.