

Starting of the session : 21:02

File : "log_20-58-39" (it could be very useful is these log files use a time stamp too... Otherwise, it's very complicated to follow the debugging sequence)

#KStars version 3.5.3. Analyze log version 1.0.

AnalyzeStartTime,2021-06-13 21:02:57.463,CEST

MountState,0.000,Idle

GuideState,0.892,Disconnected

MountCoords,1.852,284.5667,90.0000,0.0000,46.5325,0,270.0042

MountState,1.857,Parked

CaptureStarting,74.892,1.000,L

CaptureStarting,1282.565,1.000,L

CaptureStarting,1289.897,0.100,L

CaptureStarting,1295.779,0.125,L

CaptureStarting,1301.827,0.264,L

CaptureStarting,1308.046,0.264,L

CaptureComplete,1314.888,0.264,L,-1.000,/home/stellarmate/Pictures/Flat/L/Flat_L_0.264_secs_2021-06-13T21-24-50_001.fits,
0,25000,-1.000

CaptureStarting,1315.130,0.264,L

File : « ekos-2021-06-13T21-02-57 »

[2021-06-13T22:44:31.367 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 83.000000 "

[2021-06-13T22:44:31.368 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 83.000000 "

[2021-06-13T22:44:32.145 CEST INFO][org.kde.kstars.indi] - GPSD : "[INFO] GPS fix obtained. "

[2021-06-13T22:44:32.146 CEST INFO][org.kde.kstars.indi] - Setting location from device: "GPSD" Longitude: " 06° 16' 07\'' Latitude: " 46° 31' 57\''

```
[2021-06-13T22:44:32.147 CEST INFO ][ org.kde.kstars.indi] - Setting UTC time from device: "GPSD" "Sun Jun 13 20:45:29 2021 GMT"
[2021-06-13T22:44:32.148 CEST DEBG ][ org.kde.kstars] - Daylight Saving Time active
[2021-06-13T22:44:32.148 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (Local Time): "Sun Oct 31 00:59:59 2021 GMT"
[2021-06-13T22:44:32.149 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (UTC): "Sat Oct 30 22:59:59 2021 GMT"
[2021-06-13T22:44:32.163 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] updateLocation: long = 6.2687 lat = 46.5326 "
[2021-06-13T22:44:32.176 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Observer location updated: Latitude 46:31:57.2 (46.5326) Longitude 6:16:07.3
(6.2687) "
[2021-06-13T22:44:32.189 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Setting UTC Time to 2021-06-13T20:45:29, Offset 2 "
[2021-06-13T22:44:32.557 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:44:32.558 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 33 36 37> "
[2021-06-13T22:44:32.559 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 54> "
[2021-06-13T22:44:32.560 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vrrreadstatus =
0 "
[2021-06-13T22:44:32.5
```

GPS coordinates just before the GOTO are corrects

```
CaptureComplete,5634.702,300.000,L,-1.000,/home/stellarmate/Pictures/Dark/Dark_300_secs_2021-06-13T22-36-51_002.fits,0,1948,-1.000
CaptureStarting,5634.823,300.000,L
CaptureComplete,5955.888,300.000,L,-1.000,/home/stellarmate/Pictures/Dark/Dark_300_secs_2021-06-13T22-41-57_003.fits,0,1948,-1.000
```

Last Dark at 22h41

22h45: Goto M101

The GOTO M1010 of 22h45

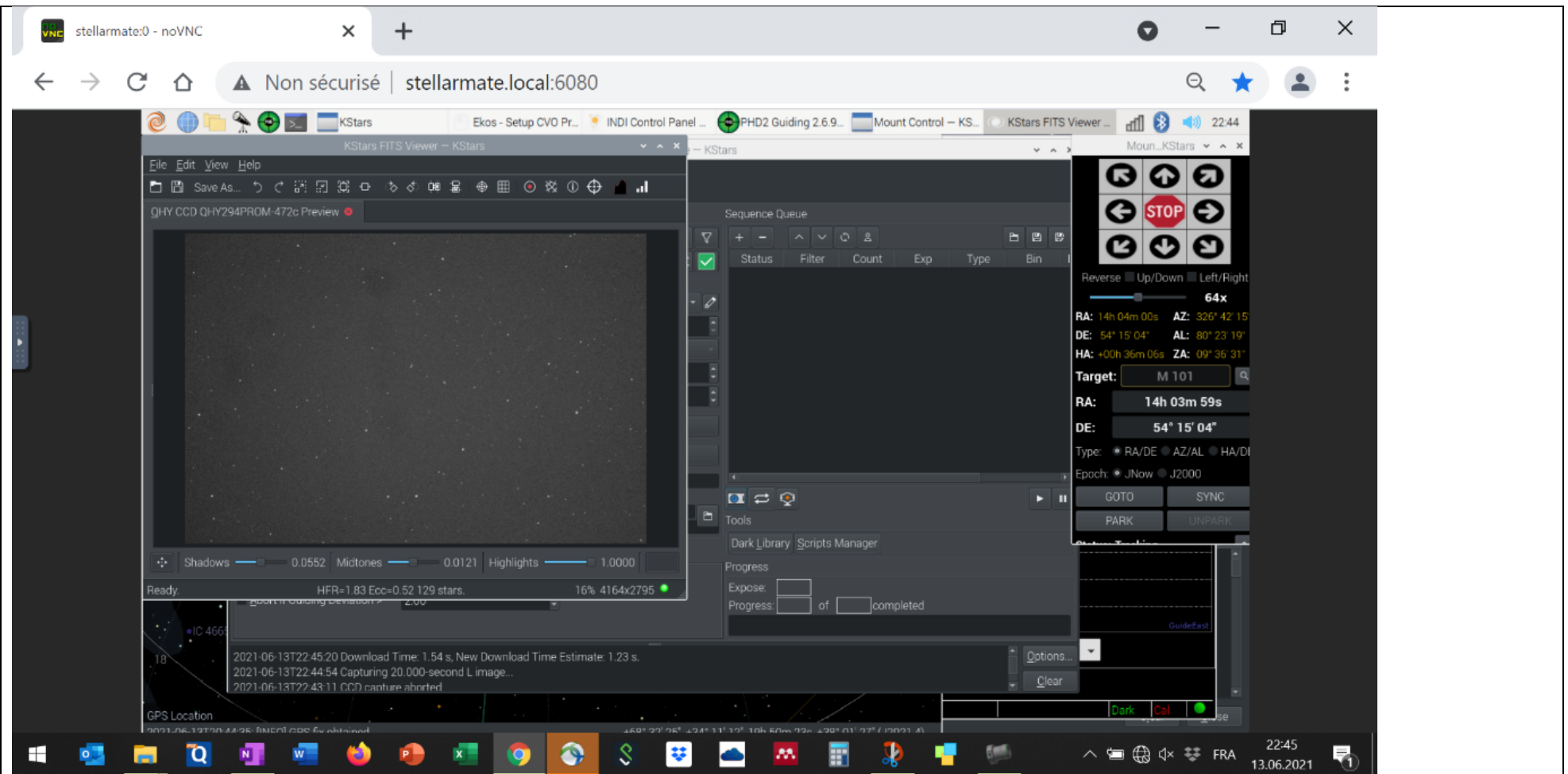
```
MountState,5995.455,Idle
MountState,6010.439,Slewing
GuideState,6010.454,Aborted
MountCoords,6011.352,129.7542,89.9844,359.9772,46.5325,1,89.9167
MountCoords,6012.353,132.5958,87.5864,356.4906,46.6019,1,87.0792
MountCoords,6014.353,137.2208,82.9711,349.7536,47.0003,1,82.4583
MountCoords,6015.353,141.8500,78.3486,342.9286,47.7386,1,77.8375
MountCoords,6016.353,146.4750,73.7272,335.9683,48.7950,1,73.2167
MountCoords,6017.353,151.1000,69.1047,328.7969,50.1381,1,68.5917
```

MountCoords,6018.353,155.7250,64.4811,321.3244,51.7222,1,63.9708
MountCoords,6019.351,160.3542,59.8597,313.4458,53.4900,1,59.3458
MountCoords,6020.351,164.9833,55.5419,305.5500,55.4081,1,54.7250
MountCoords,6021.354,169.6083,54.2511,302.5733,57.8667,1,50.1042
MountCoords,6022.352,174.2375,54.2511,302.0714,60.5564,1,45.4792
MountCoords,6023.353,178.8625,54.2511,301.8706,63.2550,1,40.8542
MountCoords,6025.353,183.4917,54.2511,302.0617,65.9517,1,36.2375
MountCoords,6026.353,188.1167,54.2511,302.7822,68.6378,1,31.6125
MountCoords,6027.353,192.7417,54.2511,304.2428,71.2908,1,26.9917
MountCoords,6028.351,197.3708,54.2511,306.7792,73.8822,1,22.3708
MountCoords,6029.353,201.9958,54.2511,310.9408,76.3639,1,17.7458
MountCoords,6030.353,206.6250,54.2511,317.6200,78.6494,1,13.1250
MountCoords,6031.354,210.4333,54.2511,325.9322,80.2769,1,9.3208
MountCoords,6032.351,211.0875,54.2511,327.6703,80.5214,1,8.6708
MountCoords,6034.351,211.0000,54.2511,327.4131,80.4867,1,8.7625
MountState,6034.374,Tracking

MountCoords,6057.351,211.0000,54.2511,327.1536,80.4514,1,8.8583

aptureStarting,6059.976,20.000,L

Fist capture just to see where I am...



Normally, 211.0, 54.25 is not far of M101... I my case, the galaxy was not present...

Where am I?

Focusing

AutofocusStarting,6142.635,L,15.2

MountCoords,6149.352,211.0000,54.2511,326.1297,80.3058,1,9.2417
MountCoords,6173.352,211.0000,54.2511,325.8725,80.2681,1,9.3417
MountCoords,6197.352,211.0000,54.2511,325.6131,80.2289,1,9.4417
MountCoords,6220.741,211.0000,54.2511,325.3583,80.1903,1,9.5417
MountCoords,6245.352,211.0000,54.2511,325.0983,80.1500,1,9.6458

AutofocusStarting,6254.711,L,15.4

MountCoords,6270.108,211.0000,54.2511,324.8378,80.1092,1,9.7500
MountCoords,6294.352,211.0000,54.2511,324.5869,80.0689,1,9.8500
MountCoords,6319.351,211.0000,54.2511,324.3294,80.0272,1,9.9542
MountCoords,6344.352,211.0000,54.2511,324.0744,79.9853,1,10.0583
MountCoords,6369.352,211.0000,54.2511,323.8219,79.9428,1,10.1625
MountCoords,6395.705,211.0000,54.2511,323.5628,79.8989,1,10.2708
MountCoords,6422.852,211.0000,54.2511,323.3058,79.8544,1,10.3792
MountCoords,6446.852,211.0000,54.2511,323.0550,79.8103,1,10.4875
MountCoords,6472.851,211.0000,54.2511,322.8025,79.7650,1,10.5958
MountCoords,6499.852,211.0000,54.2511,322.5436,79.7181,1,10.7083
MountCoords,6526.852,211.0000,54.2511,322.2875,79.6708,1,10.8208
MountCoords,6553.851,211.0000,54.2511,322.0339,79.6231,1,10.9333
MountCoords,6580.851,211.0000,54.2511,321.7831,79.5753,1,11.0458
MountCoords,6609.269,211.0000,54.2511,321.5253,79.5253,1,11.1625
AutofocusAborted,6622.899,L,
MountCoords,6636.852,211.0042,54.2511,321.2711,79.4753,1,11.2792
MountCoords,6664.852,211.0000,54.2511,321.0194,79.4247,1,11.3958

```
[2021-06-13T22:45:35.831 CEST DEBG ][ org.kde.kstars.fits] - # 378 Edge at ( 3311.52 , 634.5 ) With a value of 1484 and width of 5 pixels. with sum 4872
[2021-06-13T22:45:35.831 CEST DEBG ][ org.kde.kstars.fits] - Investigating edge # 378 now ...
[2021-06-13T22:45:35.831 CEST DEBG ][ org.kde.kstars.fits] - center_count: 1 and initstdDev= 5 and limit is 3
[2021-06-13T22:45:35.831 CEST DEBG ][ org.kde.kstars.fits] - # 379 Edge at ( 3350.49 , 1304.5 ) With a value of 1284 and width of 5 pixels. with sum 4808
[2021-06-13T22:45:35.831 CEST DEBG ][ org.kde.kstars.fits] - Skipping check for center 379 because it was already counted
[2021-06-13T22:45:35.831 CEST DEBG ][ org.kde.kstars.fits] - # 380 Edge at ( 2169.5 , 916.5 ) With a value of 1228 and width of 5 pixels. with sum 4708
[2021-06-13T22:45:35.832 CEST DEBG ][ org.kde.kstars.fits] - Skipping check for center 380 because it was already counted
[2021-06-13T22:45:35.832 CEST DEBG ][ org.kde.kstars.fits] - # 381 Edge at ( 2757.61 , 1080.5 ) With a value of 1300 and width of 5 pixels. with sum 4704
```

```

[2021-06-13T22:45:35.832 CEST DEBG ][ org.kde.kstars.fits] - Skipping check for center 381 because it was already counted
[2021-06-13T22:45:35.832 CEST DEBG ][ org.kde.kstars.fits] - # 382 Edge at ( 2761.55 , 764.5 ) With a value of 1288 and width of 5 pixels. with sum 4692
[2021-06-13T22:45:35.832 CEST DEBG ][ org.kde.kstars.fits] - Skipping check for center 382 because it was already counted
[2021-06-13T22:45:35.832 CEST DEBG ][ org.kde.kstars.fits] - # 383 Edge at ( 3384.49 , 940.5 ) With a value of 1272 and width of 5 pixels. with sum 4616
[2021-06-13T22:45:35.832 CEST DEBG ][ org.kde.kstars.fits] - Skipping check for center 383 because it was already counted
[2021-06-13T22:45:35.833 CEST DEBG ][ org.kde.kstars.fits] - # 384 Edge at ( 3027.83 , 1856.5 ) With a value of 1084 and width of 6 pixels. with sum 4600
[2021-06-13T22:45:35.833 CEST DEBG ][ org.kde.kstars.fits] - Skipping check for center 384 because it was already counted
[2021-06-13T22:45:35.833 CEST DEBG ][ org.kde.kstars.fits] - # 385 Edge at ( 2661.4 , 681.5 ) With a value of 1356 and width of 5 pixels. with sum 4468
[2021-06-13T22:45:35.833 CEST DEBG ][ org.kde.kstars.fits] - Investigating edge # 385 now ...
[2021-06-13T22:45:35.833 CEST DEBG ][ org.kde.kstars.fits] - center_count: 1 and initstdDev= 5 and limit is 3
[2021-06-13T22:45:35.833 CEST DEBG ][ org.kde.kstars.fits] - # 386 Edge at ( 2679.51 , 921.5 ) With a value of 1280 and width of 5 pixels. with sum 4332
[2021-06-13T22:45:35.833 CEST DEBG ][ org.kde.kstars.fits] - Skipping check for center 386 because it was already counted
[2021-06-13T22:45:35.990 CEST DEBG ][ org.kde.kstars] - Daylight Saving Time active
[2021-06-13T22:45:35.991 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (Local Time): "Sun Oct 31 00:59:59 2021 GMT"
[2021-06-13T22:45:35.991 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (UTC): "Sat Oct 30 22:59:59 2021 GMT"
[2021-06-13T22:45:36.014 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] updateLocation: long = 6.26872 lat = 46.5326 "
[2021-06-13T22:45:36.028 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Observer location updated: Latitude 46:31:57.2 (46.5326) Longitude 6:16:07.4 (6.26872) "
[2021-06-13T22:45:36.041 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Setting UTC Time to 2021-06-13T20:46:32, Offset 2 "
[2021-06-13T22:45:36.043 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIIICOLBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:45:36.043 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:45:36.043 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:45:36.043 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIIICOLBASE.CPP|GetChipCoolTemp|currentPWM = 81.000000 "
[2021-06-13T22:45:36.043 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIIICOLBASE.CPP|GetChipCoolTemp|currentPWM = 81.000000 "
[2021-06-13T22:45:36.112 CEST INFO ][ org.kde.kstars.ekos.focus] - "Detection complete."
[2021-06-13T22:45:36.115 CEST DEBG ][ org.kde.kstars.ekos.focus] - Focus newFITS # 1 : Current HFR 1.31415 Num stars 65
[2021-06-13T22:45:36.117 CEST DEBG ][ org.kde.kstars.ekos.focus] - Frame is subframed. X: 1542 Y: 1294 W: 192 H: 192 binX: 1 binY: 1
[2021-06-13T22:45:36.119 CEST INFO ][ org.kde.kstars.ekos.focus] - "Capturing image..."
[2021-06-13T22:45:36.123 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:45:36.124 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 33 36 37> "
[2021-06-13T22:45:36.479 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] Requested CCD Frame is (1542,1294) (192 x 192) "
[2021-06-13T22:45:36.489 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] Requested exposure time is 10000000 us "
[2021-06-13T22:45:36.489 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCCD.CPP|SetQHYCCDBinMode|START "
[2021-06-13T22:45:36.490 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCCD.CPP|SetQHYCCDBinMode|END ret = 0 "
[2021-06-13T22:45:36.490 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] SetQHYCCDBinMode (1x1). "

```

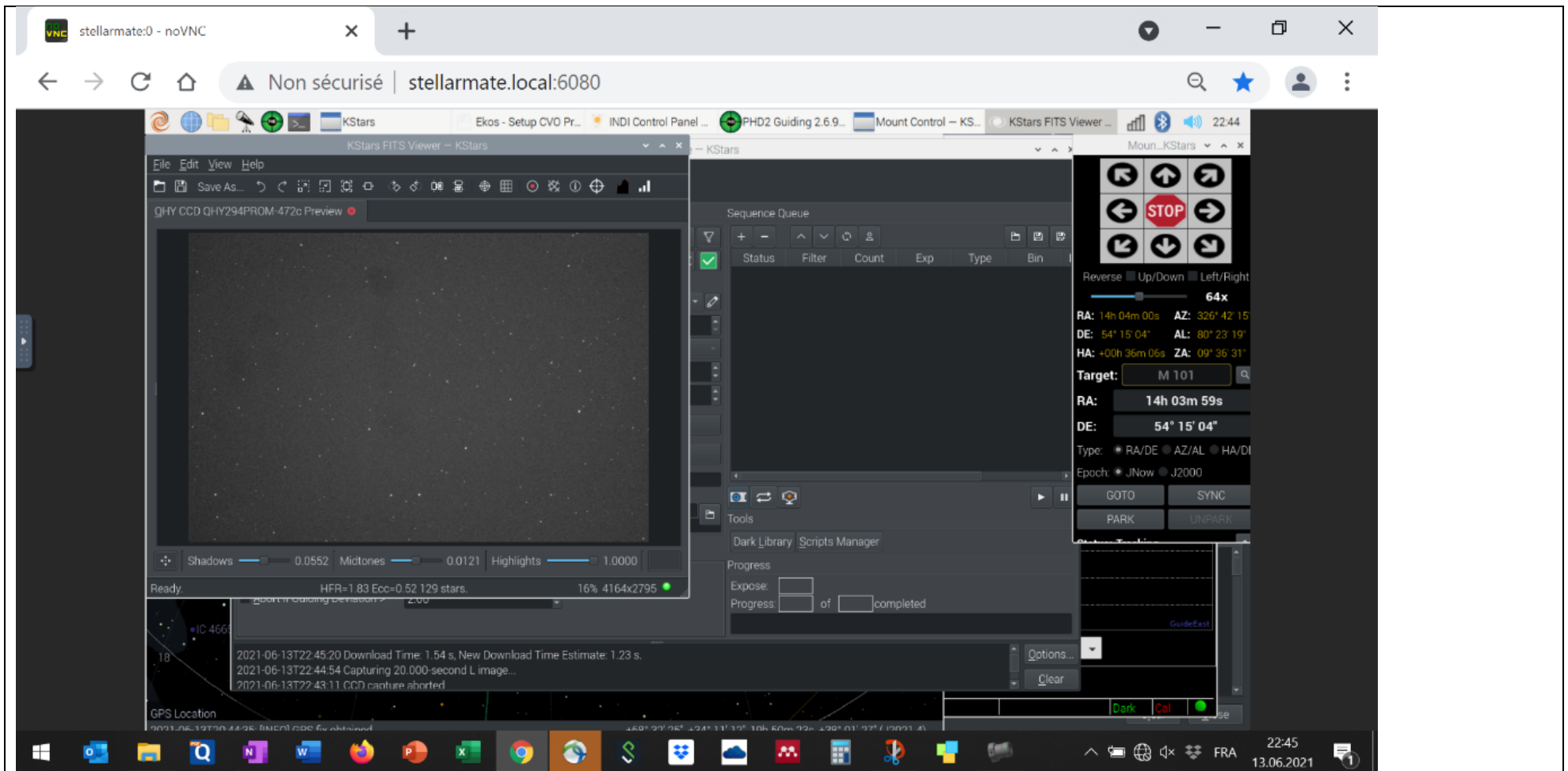
The screenshot displays the Ekos software interface for telescope control. The main window is titled "Ekos - Setup CVO Profile - KStars". It features a central live camera feed showing a star field with a green box around a target star. To the left of the feed are control panels for the "Focuser" (Rigelsys NStep) and "CCD & Filter Wheel" (QHY CCD QHY294PROM-472c). The focuser panel includes "Steps" (65564 to 65367) and an "Auto Focus" button. The CCD panel shows "Exp: 10.000", "Bin: 1x1", "Gain: 1600.00", and "Filter: L". Below these are "Settings", "Process", and "Mechanics" tabs with various options like "Auto Select Star", "Sub Frame", and "Suspend Guiding".

To the right of the camera feed is a "V-Curve" graph showing HFR (Horizontal Field Rate) vs. position. The graph has a y-axis from 1 to 1.8 and an x-axis from 65100 to 65700. A single data point is visible at approximately (65367, 1.8). Below the graph, it shows "HFR: 1.80" and "Stars: 1".

On the far right is a control panel with directional buttons (Up, Down, Left, Right, Stop) and a "64x" magnification level. It also displays target information for "M 101":
RA: 14h 04m 01s AZ: 321° 16' 16"
DE: 54° 15' 04" AL: 79° 28' 31"
HA: +00h 45m 07s ZA: 10° 31' 18"
Target: M 101
RA: 14h 03m 59s
DE: 54° 15' 04"
Type: RA/DE AZ/AL HA/DE
Epoch: JNow J2000
Buttons: GOTO, SYNC, PARK, UNPARK.

At the bottom of the interface, a log window shows the following entries:
2021-06-13T22:54:06 Capturing image...
2021-06-13T22:54:04 Focusing inward by 12 steps...
2021-06-13T22:54:04 FITS received. HFR 1.8 @ 65576. Delta (47.1%)

The Windows taskbar at the bottom shows various application icons and the system tray with the time 22:54 and date 13.06.2021.



Where am I?

MountCoords,6080.394,211.0000,54.2511,326.8944,80.4153,1,8.9542
MountCoords,6103.351,211.0000,54.2511,326.6372,80.3792,1,9.0500
MountCoords,6126.351,211.0000,54.2511,326.3814,80.3425,1,9.1458

Start to align

AlignState,6676.426,In Progress
MountCoords,6693.851,211.0000,54.2511,320.7619,79.3719,1,11.5167
AlignState,6717.442,Aborted
MountCoords,6722.851,211.0000,54.2511,320.5072,79.3192,1,11.6375
AlignState,6737.479,In Progress
MountCoords,6751.852,211.0000,54.2511,320.2556,79.2661,1,11.7625
AlignState,6767.666,Syncing
AlignState,6767.830,Slewing
MountCoords,6768.766,208.9875,55.3067,320.3789,77.6658,1,13.8458
MountState,6768.779,Slewing
GuideState,6768.793,Aborted
MountCoords,6769.816,209.3208,54.9764,319.7367,78.0214,1,13.5167
MountCoords,6770.854,209.6542,54.6461,319.0694,78.3775,1,13.1875
MountCoords,6772.853,209.9917,54.3161,318.3667,78.7317,1,12.8583
MountCoords,6773.853,210.3250,54.2511,318.7283,78.9228,1,12.5292
MountCoords,6774.853,210.6583,54.2511,319.3717,79.0719,1,12.2000
MountCoords,6775.853,210.9958,54.2511,320.0372,79.2192,1,11.8667
AlignState,6777.725,In Progress
MountState,6777.852,Tracking
AlignState,6808.966,Syncing
MountCoords,6809.008,211.0083,54.2511,319.7808,79.1633,1,11.9917
MountState,6809.052,Slewing
GuideState,6809.069,Aborted
AlignState,6809.157,Slewing
AlignState,6809.911,In Progress
MountState,6810.852,Tracking
MountCoords,6837.857,211.0000,54.2511,319.5261,79.1067,1,12.1208
AlignState,6842.922,Complete
GuideState,6861.593,Connected
GuideState,6868.220,Calibrating
MountCoords,6868.940,211.0000,54.2511,319.2681,79.0483,1,12.2500

<p>GuideState,6870.369,Looping GuideState,6876.417,Selecting star GuideState,6876.426,Looping GuideState,6876.431,Selecting star ...</p>	
<p>AlignState,6777.725,In Progress MountState,6777.852,Tracking AlignState,6808.966,Syncing MountCoords,6809.008,211.0083,54.2511,319.7808,79.1633,1,11.9917 MountState,6809.052,Slewing GuideState,6809.069,Aborted AlignState,6809.157,Slewing AlignState,6809.911,In Progress MountState,6810.852,Tracking MountCoords,6837.857,211.0000,54.2511,319.5261,79.1067,1,12.1208 AlignState,6842.922,Complete</p>	
<p>[2021-06-13T22:55:04.436 CEST DEBG][[2021-06-13T22:55:04.436 CEST DEBG][[2021-06-13T22:55:04.472 CEST DEBG][[2021-06-13T22:55:05.106 CEST INFO][[2021-06-13T22:55:05.107 CEST INFO][[2021-06-13T22:55:05.108 CEST INFO][[2021-06-13T22:55:05.110 CEST DEBG][[2021-06-13T22:55:05.110 CEST DEBG][[2021-06-13T22:55:05.110 CEST DEBG][[2021-06-13T22:55:05.133 CEST INFO][[2021-06-13T22:55:05.154 CEST INFO][(6.2687) " [2021-06-13T22:55:05.168 CEST INFO][[2021-06-13T22:55:05.528 CEST DEBG][0 " [2021-06-13T22:55:05.528 CEST DEBG][[2021-06-13T22:55:05.528 CEST DEBG][length 4 "</p>	<p>org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> " org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 54> " org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 31 35 39> " org.kde.kstars.indi] - GPSD : "[INFO] GPS fix obtained. " org.kde.kstars.indi] - Setting location from device: "GPSD" Longitude: " 06° 16' 07\\"" Latitude: " 46° 31' 57\\"" " org.kde.kstars.indi] - Setting UTC time from device: "GPSD" "Sun Jun 13 20:56:02 2021 GMT" org.kde.kstars] - Daylight Saving Time active org.kde.kstars] - Next Daylight Savings Time change (Local Time): "Sun Oct 31 00:59:59 2021 GMT" org.kde.kstars] - Next Daylight Savings Time change (UTC): "Sat Oct 30 22:59:59 2021 GMT" org.kde.kstars.indi] - EQMod Mount : "[INFO] updateLocation: long = 6.2687 lat = 46.5326 " org.kde.kstars.indi] - EQMod Mount : "[INFO] Observer location updated: Latitude 46:31:57.2 (46.5326) Longitude 6:16:07.3 org.kde.kstars.indi] - EQMod Mount : "[INFO] Setting UTC Time to 2021-06-13T20:56:02, Offset 2 " org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD QHY5IIICOOBASE.CPP GetChipCoolTemp vrrreadstatus = 0 " org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD QHYCAM.CPP vendRXD call vendRXD_Ex " org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD QHYCAM.CPP vendRXD_Ex req 0xf2 index 0x0 value 0x0 length 4 "</p>

[2021-06-13T22:55:05.529 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 91.000000 "
[2021-06-13T22:55:05.530 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 91.000000 "
[2021-06-13T22:55:05.531 CES

Just before, the GPSD sent the right information to the Mount...

[2021-06-13T22:55:40.039 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 89.000000 "
[2021-06-13T22:55:40.039 CEST DEBG][org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
[2021-06-13T22:55:40.317 CEST DEBG][org.kde.kstars.indi] - processBLOB() mode 4
[2021-06-13T22:55:40.318 CEST DEBG][org.kde.kstars.fits] - Reading file buffer ("22.2 MiB")
[2021-06-13T22:55:40.818 CEST INFO][org.kde.kstars.ekos.align] - "Image received."
[2021-06-13T22:55:40.825 CEST INFO][org.kde.kstars.ekos.align] - "Automatically downsampling the image by 3"
[2021-06-13T22:55:41.107 CEST INFO][org.kde.kstars.ekos.align] - "Evaluating Installed RAM for inParallel Option. Total Size of Index files: 0.609186 GB, Installed RAM: 1.64906 GB, Free RAM: 0.0576515 GB"
[2021-06-13T22:55:41.110 CEST INFO][org.kde.kstars.ekos.align] - "Not enough RAM is available on this system for loading the index files you have in parallel" ???
[2021-06-13T22:55:41.112 CEST INFO][org.kde.kstars.ekos.align] - "Disabling the inParallel option."
[2021-06-13T22:55:41.115 CEST DEBG][org.kde.kstars.ekos.capture] - setAlignStatus: 4
[2021-06-13T22:55:41.119 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:55:41.120 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:55:41.120 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:55:41.120 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 89.000000 "
[2021-06-13T22:55:41.120 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 89.000000 "
[2021-06-13T22:55:41.121 CEST DEBG][org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:55:41.121 CEST DEBG][org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
[2021-06-13T22:55:41.122 CEST INFO][org.kde.kstars.ekos.align] - "+++++
[2021-06-13T22:55:41.124 CEST INFO][org.kde.kstars.ekos.align] - "Starting Internal StellarSolver Sextractor with the 1-Default profile . . ."
[2021-06-13T22:55:41.451 CEST INFO][org.kde.kstars.ekos.align] - "Stars Found before Filtering: 378"
[2021-06-13T22:55:41.453 CEST INFO][org.kde.kstars.ekos.align] - "Stars Found after Filtering: 378"
[2021-06-13T22:55:41.456 CEST INFO][org.kde.kstars.ekos.align] - "+++++
[2021-06-13T22:55:41.458 CEST INFO][org.kde.kstars.ekos.align] - "Configuring StellarSolver"
[2021-06-13T22:55:41.947 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:55:41.948 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:55:41.948 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:55:41.960 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 89.000000 "
[2021-06-13T22:55:41.960 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 89.000000 "
[2021-06-13T22:55:41.987 CEST DEBG][org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:55:42.027 CEST DEBG][org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
[2021-06-13T22:55:42.247 CEST INFO][org.kde.kstars.ekos.align] - "Scale range: 48.4059 to 108.173 arcmin wide"
[2021-06-13T22:55:42.249 CEST INFO][org.kde.kstars.ekos.align] - "Image width: 4164 pixels, Downsampling Image width: 1388 pixels; arcsec per pixel range: 2.09247 to 4.67606"
[2021-06-13T22:55:42.253 CEST INFO][org.kde.kstars.ekos.align] - "+++++
[2021-06-13T22:55:42.256 CEST INFO][org.kde.kstars.ekos.align] - "Starting Internal StellarSolver Astrometry.net based Engine with the 1-Default profile. . ."
[2021-06-13T22:55:42.959 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:55:42.960 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:55:42.960 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:55:42.971 CEST DEBG][org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 89.000000 "

```

[2021-06-13T22:55:42.972 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 89.000000 "
[2021-06-13T22:55:43.027 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:55:43.067 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 36 34> "
[2021-06-13T22:55:43.976 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:55:43.976 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:55:43.976 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:55:43.984 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 89.000000 "
[2021-06-13T22:55:43.985 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 89.000000 "
[2021-06-13T22:55:44.068 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:55:44.106 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 36 34> "
[2021-06-13T22:55:45.006 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:55:45.007 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:55:45.012 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:55:45.012 CEST INFO ][ org.kde.kstars.ekos.align] - "+++++"
[2021-06-13T22:55:45.015 CEST INFO ][ org.kde.kstars.ekos.align] - "Solve Odds: 252.069"
[2021-06-13T22:55:45.017 CEST INFO ][ org.kde.kstars.ekos.align] - "Number of Matches: 47"
[2021-06-13T22:55:45.019 CEST INFO ][ org.kde.kstars.ekos.align] - "Solved with index: 4208"
[2021-06-13T22:55:45.021 CEST INFO ][ org.kde.kstars.ekos.align] - "Field center: (RA,Dec) = (208.656, 55.5022) deg."
[2021-06-13T22:55:45.023 CEST INFO ][ org.kde.kstars.ekos.align] - "Field center: (RA H:M:S, Dec D:M:S) = (13:54:37.372, +55:30:07.855)."
[2021-06-13T22:55:45.025 CEST INFO ][ org.kde.kstars.ekos.align] - "Field is: (8443.73, -4503.92) deg from search coords."
[2021-06-13T22:55:45.027 CEST INFO ][ org.kde.kstars.ekos.align] - "Field size: 1.50148 x 1.00764 degrees"
[2021-06-13T22:55:45.029 CEST INFO ][ org.kde.kstars.ekos.align] - "Pixel Scale: 1.2985"
[2021-06-13T22:55:45.030 CEST INFO ][ org.kde.kstars.ekos.align] - "Field rotation angle: up is -152.415 degrees E of N"
[2021-06-13T22:55:45.032 CEST INFO ][ org.kde.kstars.ekos.align] - "Field parity: neg\n"
[2021-06-13T22:55:45.034 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 89.000000 "
[2021-06-13T22:55:45.034 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 89.000000 "
[2021-06-13T22:55:45.034 CEST INFO ][ org.kde.kstars.ekos.align] - "Solver completed after 3.92 seconds."
[2021-06-13T22:55:45.036 CEST INFO ][ org.kde.kstars.ekos.align] - "Solver RA (208.65572) DEC (55.50218) Orientation (-152.41463) Pixel Scale (1.29850) Parity (neg)"
[2021-06-13T22:55:45.064 CEST INFO ][ org.kde.kstars.ekos.align] - "WCS information updated. Images captured from this point forward shall have valid WCS."
[2021-06-13T22:55:45.070 CEST INFO ][ org.kde.kstars.ekos.align] - "Solution coordinates: RA (13h 55m 24s) DEC ( 55° 24' 08") Telescope Coordinates: RA (14h 04m 00s) DEC ( 54° 15' 04")"
[2021-06-13T22:55:45.075 CEST INFO ][ org.kde.kstars.ekos.align] - "Target is within 02° 26' 21" degrees of solution coordinates."
[2021-06-13T22:55:45.119 CEST DEBG ][ org.kde.kstars.indi] - ISD:Telescope: Syncing...
[2021-06-13T22:55:45.127 CEST DEBG ][ org.kde.kstars.indi] - ISD:Telescope sending coords RA: "13h 55m 24s" ( 13.9234 ) DE: " 55° 24' 08" ( 55.4023 )
[2021-06-13T22:55:45.129 CEST DEBG ][ org.kde.kstars.ekos.capture] - setAlignStatus: 5
[2021-06-13T22:55:45.145 CEST INFO ][ org.kde.kstars.ekos.align] - "Syncing to RA (13h 55m 24s) DEC ( 55° 24' 08")"
[2021-06-13T22:55:45.170 CEST INFO ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[INFO] CCD FOV rotation updated to -152.415 degrees. "
[2021-06-13T22:55:45.177 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:55:45.178 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 36 34> "
[2021-06-13T22:55:45.251 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Align Pointset: added point 0 alt = 77.5457 az = 320.495 "
[2021-06-13T22:55:45.277 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Align Triangulate: number of faces is 0 "
[2021-06-13T22:55:45.291 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Align Sync: point added: lst=14.85521919 celestial RA 13.92339556 DEC 55.40227852 Telescope RA
14.06676085 DEC 54.25109375 "
[2021-06-13T22:55:45.292 CEST DEBG ][ org.kde.kstars.ekos.capture] - setAlignStatus: 6
[2021-06-13T22:55:45.303 CEST DEBG ][ org.kde.kstars.indi] - ISD:Telescope: TRACK
[2021-06-13T22:55:45.307 CEST DEBG ][ org.kde.kstars.indi] - ISD:Telescope sending coords RA: "14h 04m 00s" ( 14.0667 ) DE: " 54° 15' 04" ( 54.2511 )
[2021-06-13T22:55:45.308 CEST INFO ][ org.kde.kstars.ekos.align] - "Slewing to target coordinates: RA (14h 04m 00s) DEC ( 54° 15' 04")."

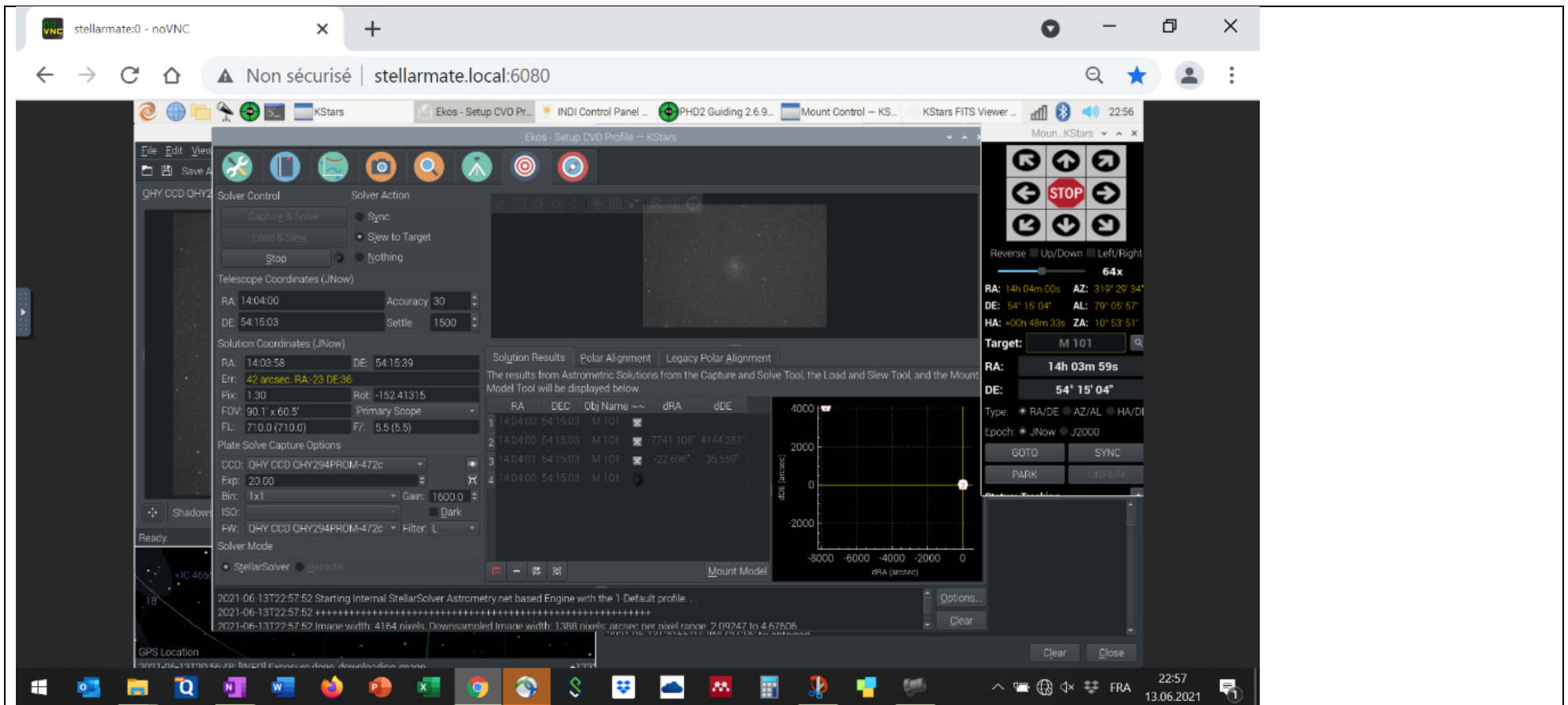
```

```
[2021-06-13T22:55:45.342 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Starting Goto RA=14.0667 DE=54.2511 (current RA=14.0667 DE=54.2511) "  
[2021-06-13T22:55:45.356 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Align: current point is 0 "  
[2021-06-13T22:55:45.370 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] GOTO AAlign Nearest: delta RA = 0.143365, delta DEC = -1.151185 "  
[2021-06-13T22:55:45.384 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Aligned Eqmod Goto RA=14.2101 DE=53.0999 (target RA=14.0667 DE=54.2511) "  
[2021-06-13T22:55:45.397 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Setting Eqmod Goto RA=14.2101 DE=53.0999 (target RA=14.0667 DE=54.2511) "  
[2021-06-13T22:55:45.421 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Slewing mount: RA increment = -55005, DE increment = 29470 "  
[2021-06-13T22:55:45.700 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Slewing to RA: 14:04:00 - DEC: 54:15:04 "  
[2021-06-13T22:55:45.997 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "  
[2021-06-13T22:55:45.997 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "  
[2021-06-13T22:55:45.997 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "  
[2021-06-13T22:55:46.016 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 89.000000 "  
[2021-06-13T22:55:46.016 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 89.000000 "  
[2021-06-13T22:55:46.147 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "  
[2021-06-13T22:55:46.186 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "  
[2021-06-13T22:55:46.240 CEST DEBG ][ org.kde.kstars.ekos.mount] - Mount status changed from "Tracking" to "Slewing"  
[2021-06-13T22:55:46.241 CEST DEBG ][ org.kde.kstars.ekos.focus] - Frame is reset. X: 0 Y: 0 W: 4164 H: 2795 binX: 1 binY: 1  
[2021-06-13T22:55:46.252 CEST INFO ][ org.kde.kstars.ekos.guide] - "Mount is moving. Resetting calibration..."  
[2021-06-13T22:55:46.254 CEST INFO ][ org.kde.kstars.ekos.guide] - "PHD2 Error: Equipment not connected."  
[2021-06-13T22:55:46.256 CEST INFO ][ org.kde.kstars.ekos.guide] - "Calibration is cleared."  
[2021-06-13T22:55:47.010 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "  
[2021-06-13T22:55:47.011 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "  
[2021-06-13T22:55:47.011 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "  
[2021-06-13
```

The screenshot displays the Ekos software interface for telescope control. The main window is titled "Ekos - Setup CVO Profile - KStars". It features several panels and controls:

- Solver Control:** Includes buttons for "Capturing & Solve", "Load & Slew", and "Stop". The "Slew to Target" option is selected.
- Telescope Coordinates (JNow):** Shows RA: 14:04:01, DE: 54:15:03, Accuracy: 30, and Settle: 1500.
- Solution Coordinates (JNow):** Shows RA: 13:55:24, DE: 55:24:08, and an error of 8781 arcsec.
- Solution Results:** A table with columns RA, DEC, Obj Name, dRA, and dDE. It lists two objects: 1. RA: 14:04:00, DEC: 54:15:03, Obj Name: M 101; 2. RA: 14:04:00, DEC: 54:15:03, Obj Name: M 101, dRA: 7741, dDE: 4144.281.
- Plate Solve Capture Options:** Includes settings for CCD (QHY CCD QHY294PROM-472c), Exposure (20.00), Bin (1x1), Gain (1600.0), ISO, and Filter (L).
- Control Panel:** A vertical panel on the right with directional buttons (Up, Down, Left, Right, Stop) and a "64x" magnification setting.
- Target Information:** Shows RA: 14h 04m 01s, AZ: 320° 02' 33", DE: 54° 15' 04", AL: 79° 13' 13", HA: +00h 47m 27s, ZA: 10° 46' 35", and Target: M 101.
- Mount Model:** A graph showing dRA (arcsec) vs dDE (arcsec) with axes ranging from -8000 to 0.
- Status Log:** Shows messages such as "2021-06-13T22:56:51 Slew complete. Target accuracy is not met, running solver again..."

The Windows taskbar at the bottom shows the time as 22:56 on 13.06.2021, with various application icons and system tray icons.



```

[2021-06-13T22:56:02.216 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 91.000000 "
[2021-06-13T22:56:02.762 CEST INFO ][ org.kde.kstars.indi] - GPSD : "[INFO] GPS fix obtained. "
[2021-06-13T22:56:02.763 CEST INFO ][ org.kde.kstars.indi] - Setting location from device: "GPSD" Longitude: " 06° 16' 07\"
[2021-06-13T22:56:02.764 CEST INFO ][ org.kde.kstars.indi] - Setting UTC time from device: "GPSD" "Sun Jun 13 20:57:00 2021 GMT"
[2021-06-13T22:56:02.765 CEST DEBG ][ org.kde.kstars] - Daylight Saving Time active
[2021-06-13T22:56:02.766 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (Local Time): "Sun Oct 31 00:59:59 2021 GMT"
[2021-06-13T22:56:02.766 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (UTC): "Sat Oct 30 22:59:59 2021 GMT"
[2021-06-13T22:56:02.789 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] updateLocation: long = 6.26871 lat = 46.5326 "
[2021-06-13T22:56:02.817 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Observer location updated: Latitude 46:31:57.3 (46.5326) Longitude 6:16:07.4 (6.26871) "
[2021-06-13T22:56:02.836 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Setting UTC Time to 2021-06-13T20:57:00, Offset 2 "
[2021-06-13T22:56:03.225 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:56:03.226 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "

```



```

[2021-06-13T22:56:03.226 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:56:03.227 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:56:03.227 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:56:03.257 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 91.000000 "
[2021-06-13T22:56:03.257 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 91.000000 "
[2021-06-13T22:56:03.907 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:56:03.957 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
[2021-06-13T22:56:04.225 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:56:04.225 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:56:04.226 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:56:04.237 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 91.000000 "
[2021-06-13T22:56:04.237 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 91.000000 "
[2021-06-13T22:56:04.948 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:56:04.987 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
[2021-06-13T22:56:05.097 CEST INFO ][ org.kde.kstars.indi] - Setting UTC time from device: "GPSD" "Sun Jun 13 20:57:02 2021 GMT"
[2021-06-13T22:56:05.099 CEST DEBG ][ org.kde.kstars] - Daylight Saving Time active
[2021-06-13T22:56:05.101 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (Local Time): "Sun Oct 31 00:59:59 2021 GMT"
[2021-06-13T22:56:05.102 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (UTC): "Sat Oct 30 22:59:59 2021 GMT"
[2021-06-13T22:56:05.103 CEST INFO ][ org.kde.kstars.indi] - Setting location from device: "GPSD" Longitude: " 06° 16' 07\"
[2021-06-13T22:56:05.111 CEST INFO ][ org.kde.kstars.indi] - GPSD : "[INFO] GPS fix obtained. "
[2021-06-13T22:56:05.113 CEST INFO ][ org.kde.kstars.indi] - Setting location from device: "GPSD" Longitude: " 06° 16' 07\"
[2021-06-13T22:56:05.115 CEST INFO ][ org.kde.kstars.indi] - Setting UTC time from device: "GPSD" "Sun Jun 13 20:57:02 2021 GMT"
[2021-06-13T22:56:05.453 CEST DEBG ][ org.kde.kstars] - Daylight Saving Time active
[2021-06-13T22:56:05.454 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (Local Time): "Sun Oct 31 00:59:59 2021 GMT"
[2021-06-13T22:56:05.454 CEST DEBG ][ org.kde.kstars] - Next Daylight Savings Time change (UTC): "Sat Oct 30 22:59:59 2021 GMT"
[2021-06-13T22:56:05.474 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] updateLocation: long = 6.26871 lat = 46.5326 "
[2021-06-13T22:56:05.488 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Observer location updated: Latitude 46:31:57.3 (46.5326) Longitude 6:16:07.4 (6.26871) "
[2021-06-13T22:56:05.501 CEST INFO ][ org.kde.kstars.indi] - EQMod Mount : "[INFO] Setting UTC Time to 2021-06-13T20:57:02, Offset 2 "
[2021-06-13T22:56:05.502 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:56:05.502 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:56:05.502 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:56:05.502 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 91.000000 "
[2021-06-13T22:56:05.502 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 91.000000 "
[2021-06-13T22:56:05.988 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:56:06.027 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
[2021-06-13T22:56:06.249 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-13T22:56:06.249 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-13T22:56:06.250 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-13T22:56:06.261 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp|currentPWM = 91.000000 "
[2021-06-13T22:56:06.261 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolPWM|currentPWM = 91.000000 "
[2021-06-13T22:56:07.028 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-13T22:56:07.067 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
[2021-06-13T22:56:07.267 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IIICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-0

```

MountCoords,7407.879,210.9667,54.2411,315.2014,77.9850,1,14.5375

MountCoords,7450.481,210.9917,54.2369,314.9486,77.9139,1,14.6875
MountCoords,7478.462,210.9917,54.2147,314.6789,77.8681,1,14.8083
MountCoords,7516.852,210.9917,54.2117,314.4228,77.7906,1,14.9667
GuideState,7566.479,Calibrated
GuideState,7568.866,Guiding
GuideStats,7572.288,3.103,-3.024,428,408,639.070,0.000,0
MountCoords,7576.874,210.9875,54.2450,314.1814,77.6489,1,15.2208

MountCoords,7928.903,210.9833,54.2428,312.1625,76.9075,1,16.7000
GuideStats,7932.972,-0.145,1.192,0,-161,545.940,0.000,0
GuideStats,7938.058,-0.175,1.066,0,-144,636.400,0.000,0
GuideStats,7943.121,-0.449,1.078,0,-146,525.720,0.000,0
GuideStats,7948.213,-0.704,0.605,-97,-82,560.800,0.000,0
GuideStats,7953.183,-0.480,0.727,0,0,652.100,0.000,0
GuideStats,7958.678,-0.735,1.154,-101,0,640.280,0.000,0
GuideStats,7963.125,-0.453,1.059,0,-7,555.800,0.000,0
GuideStats,7968.180,0.963,1.188,133,-30,585.070,0.000,0
GuideStats,7973.325,-0.663,0.720,-82,0,609.440,0.000,0
MountCoords,7977.852,210.9792,54.2436,311.9108,76.8028,1,16.9042
GuideStats,7978.657,-0.339,0.411,0,0,614.330,0.000,0
GuideStats,7989.823,-0.823,0.682,-113,0,569.280,0.000,0
CaptureComplete,7990.842,300.000,R,2.001,/home/stellarmate
/Pictures/Light/R/M_101_Light_R_300_secs_2021-06-13T23-15-56_001.fits,477,2452,0.617
GuideStats,7991.965,0.164,0.308,0,0,585.130,0.000,0
CaptureStarting,7992.480,300.000,R

After that, everything is working well... But the first GOTO fall outside of the target...



stellarmate:0 - noVNC

Non sécurisé | stellarmate.local:6080

KStars Ekos - Setup CV... [INDI Control Pa... [Mount Control ... KStars FITS Vie... PHD2 Guiding 2... Guiding Assistant

KStars FITS Viewer - KStars

Ekos - Setup CVO Profile - KStars

Guiding Assistant

Guiding output is disabled and star movement is being measured. Click Stop when the RMS and polar alignment values have stabilized (at least 2 minutes).

Measurement Status				High-frequency Star Motion	
Start time	2021-06-14 00:11:2	Exposure time	3.5s	Right ascension, RMS	11.26 px (42.88 arc-sec)
SNR	104.1	Star mass	26328.2	Declination, RMS	1.57 px (5.99 arc-sec)
Elapsed time	43s	Sample count	9	Total, RMS	11.37 px (43.29 arc-sec)

Other Star Motion	
Right ascension, Peak	0.17 px (0.65 arc-sec)
Declination, Peak	0.09 px (0.35 arc-sec)
Right ascension, Peak-Peak	0.16 px (0.62 arc-sec)
Right ascension Drift Rate	0.12 px/min (0.46 arc-sec/min)
Right ascension Max Drift Rate	0.01 px/sec (0.04 arc-sec/sec)
Drift-limiting exposure	1417.5 s
Declination Drift Rate	-0.11 px/min (-0.43 arc-sec/min)
Declination Backlash	
Polar Alignment Error	2.8 arc-min

Measuring...

Measure Declination Backlash

Start Review previous Stop

RA: Agr 69 Hys 10 MnMo 0.15 DEC: Agg 100 MnMo 0.17 Scope: Mx RA 2500 Mx DEC 2500 Auto

Guiding SAT SNR 110.4 Dark Cal

00:13 14.06.2021

The polar alignment is good. Work well until 01 :45... The crash of KStars... Below, the lines before the crash...

```
[2021-06-14T01:44:21.572 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
```

```
[2021-06-14T01:44:21.572 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 85.000000 "
```

```
[2021-06-14T01:44:21.572 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] CCD T.: -10 (C) Power: 85 (33.33%) "
```

```
[2021-06-14T01:44:22.263 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: event:  
"{\"Event\":\"GuideStep\",\"Timestamp\":1623627862.257,\"Host\":\"stellarmate\",\"Inst\":\"1\",\"Frame\":\"875\",\"Time\":\"4550.374\",\"Mount\":\"INDI Mount [EQMod Mount]\",\"dx\":0.322,\"dy\":-  
0.411,\"RADistanceRaw\":0.484,\"DECDistanceRaw\":-  
0.220,\"RADistanceGuide\":0.319,\"DECDistanceGuide\":0.000,\"RADuration\":281,\"RADirection\":\"West\",\"StarMass\":1408770,\"SNR\":667.12,\"HFD\":6.05,\"AvgDist\":0.43,\"ErrorCode\":1}\r\n"
```

```
[2021-06-14T01:44:22.332 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: defer call "get_star_image"
```

```
[2021-06-14T01:44:22.337 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
```

```
[2021-06-14T01:44:22.427 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
```

```
[2021-06-14T01:44:22.443 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: response: "{\"jsonrpc\":\"2.0\",\"result\":true,\"id\":\"8060\"}\r\n"
```

```
[2021-06-14T01:44:22.443 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: request: "{\"id\":\"8061\",\"jsonrpc\":\"2.0\",\"method\":\"get_app_state\"}"
```

```
[2021-06-14T01:44:22.453 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: response: "{\"jsonrpc\":\"2.0\",\"result\":{\"Guiding\",\"id\":\"8061\"}}\r\n"
```

```
[2021-06-14T01:44:22.453 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: request: "{\"id\":\"8062\",\"jsonrpc\":\"2.0\",\"method\":\"get_star_image\",\"params\":[32]}"
```

```
[2021-06-14T01:44:22.456 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: received star image response, id 8062
```

```
[2021-06-14T01:44:22.457 CEST DEBG ][ org.kde.kstars.fits] - Reading file buffer ( "5.6 KiB" )
```

```
[2021-06-14T01:44:22.672 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempControl|targetTEMP ttemp -10.000000 -  
10.000000 "
```

```
[2021-06-14T01:44:22.672 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempControl|QHY COLDMOS AutoTempControl Same  
Target temperature. Ignore set it via vendrequest "
```

```
[2021-06-14T01:44:22.672 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
```

```
[2021-06-14T01:44:22.673 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
```

```
[2021-06-14T01:44:22.673 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
```

```
[2021-06-14T01:44:22.673 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
```

```
[2021-06-14T01:44:22.674 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 85.000000 "
```

```
[2021-06-14T01:44:23.313 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: request: "{\"id\":\"8063\",\"jsonrpc\":\"2.0\",\"method\":\"get_connected\"}"
```

```
[2021-06-14T01:44:23.314 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: defer call "get_app_state"
```

```
[2021-06-14T01:44:23.319 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: response: "{\"jsonrpc\":\"2.0\",\"result\":true,\"id\":\"8063\"}\r\n"
```

```
[2021-06-14T01:44:23.320 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: request: "{\"id\":\"8064\",\"jsonrpc\":\"2.0\",\"method\":\"get_app_state\"}"
```

```
[2021-06-14T01:44:23.321 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: response: "{\"jsonrpc\":\"2.0\",\"result\":{\"Guiding\",\"id\":\"8064\"}}\r\n"
```

```
[2021-06-14T01:44:23.365 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
```

```
[2021-06-14T01:44:23.405 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
```

```
[2021-06-14T01:44:23.576 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempControl|targetTEMP ttemp -10.000000 -  
10.000000 "
```

```
[2021-06-14T01:44:23.638 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempControl|QHY COLDMOS AutoTempControl Same  
Target temperature. Ignore set it via vendrequest "
```

```
[2021-06-14T01:44:23.639 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
```

```
[2021-06-14T01:44:23.639 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
```

```
[2021-06-14T01:44:23.639 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
```

```
[2021-06-14T01:44:23.640 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
```

```
[2021-06-14T01:44:23.640 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 85.000000 "
```

```
[2021-06-14T01:44:24.405 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
```

```
[2021-06-14T01:44:24.445 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
```

```
[2021-06-14T01:44:24.573 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempControl|targetTEMP ttemp -10.000000 -  
10.000000 "
```

```
[2021-06-14T01:44:24.573 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempContro|QHY COLDMOS AutoTempControl Same Target temperature. Ignore set it via vendrequest "
```

```
[2021-06-14T01:44:24.574 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
```

```
[2021-06-14T01:44:24.574 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
```

```
[2021-06-14T01:44:24.575 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
```

```
[2021-06-14T01:44:24.584 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 83.000000 "
```

```
[2021-06-14T01:44:24.584 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 83.000000 "
```

```
[2021-06-14T01:44:24.585 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] CCD T.: -10 (C) Power: 83 (32.55%) "
```

```
[2021-06-14T01:44:25.445 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
```

```
[2021-06-14T01:44:25.483 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
```

```
[2021-06-14T01:44:25.586 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempControl|targetTEMP ttemp -10.000000 - 10.000000 "
```

```
[2021-06-14T01:44:25.586 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempContro|QHY COLDMOS AutoTempControl Same Target temperature. Ignore set it via vendrequest "
```

```
[2021-06-14T01:44:25.587 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
```

```
[2021-06-14T01:44:25.587 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
```

```
[2021-06-14T01:44:25.588 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
```

```
[2021-06-14T01:44:25.596 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 83.000000 "
```

```
[2021-06-14T01:44:25.597 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 83.000000 "
```

```
[2021-06-14T01:44:26.326 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: request: "{\"id\":\"8065\",\"jsonrpc\":\"2.0\",\"method\":\"get_connected\"}"
```

```
[2021-06-14T01:44:26.331 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: defer call "get_app_state"
```

```
[2021-06-14T01:44:26.345 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: response: "{\"jsonrpc\":\"2.0\",\"result\":{\"true\",\"id\":\"8065\"}}\r\n"
```

```
[2021-06-14T01:44:26.345 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: request: "{\"id\":\"8066\",\"jsonrpc\":\"2.0\",\"method\":\"get_app_state\"}"
```

```
[2021-06-14T01:44:26.347 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: response: "{\"jsonrpc\":\"2.0\",\"result\":{\"Guiding\",\"id\":\"8066\"}}\r\n"
```

```
[2021-06-14T01:44:26.486 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
```

```
[2021-06-14T01:44:26.525 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
```

```
[2021-06-14T01:44:26.635 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempControl|targetTEMP ttemp -10.000000 - 10.000000 "
```

```
[2021-06-14T01:44:26.635 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|AutoTempContro|QHY COLDMOS AutoTempControl Same Target temperature. Ignore set it via vendrequest "
```

```
[2021-06-14T01:44:26.635 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
```

```
[2021-06-14T01:44:26.636 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
```

```
[2021-06-14T01:44:26.636 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
```

```
[2021-06-14T01:44:26.637 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp|currentPWM = 83.000000 "
```

```
[2021-06-14T01:44:26.638 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolPWM|currentPWM = 83.000000 "
```

```
[2021-06-14T01:44:26.639 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] CCD T.: -10 (C) Power: 83 (32.55%) "
```

```
[2021-06-14T01:44:27.541 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
```

```
[2021-06-14T01:44:27.564 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 30 36 35 35 36 34> "
```

```
[2021-06-14T01:44:27.564 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 54> "
```

```
[2021-06-14T01:44:27.601 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] RES <2B 31 35 31> "
```

```
[2021-06-14T01:44:27.616 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
```

```
[2021-06-14T01:44:27.616 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
```

```
[2021-06-14T01:44:27.617 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
```

```
[2021-06-14T01:44:27.618 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: event: "{\"Event\":\"GuideStep\",\"Timestamp\":1623627867.612,\"Host\":\"stellarmate\",\"Inst\":\"1\",\"Frame\":876,\"Time\":4555.517,\"Mount\":\"INDI Mount [EQMod
```

```
Mount\","dx":0.073,"dy":0.234,"RADistanceRaw":-0.206,"DECDistanceRaw":-0.124,"RADistanceGuide":-
0.107,"DECDistanceGuide":0.000,"RADuration":94,"RADirection\":"East\","StarMass":1468948,"SNR":642.78,"HFD":6.24,"AvgDist":0.37,"ErrorCode":1}\r\n"
[2021-06-14T01:44:27.707 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: request: "{\"id\":8067,\"jsonrpc\":\"2.0\",\"method\":\"get_star_image\", \"params\":[32]}"
[2021-06-14T01:44:27.708 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOOLBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
[2021-06-14T01:44:27.708 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOOLBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
[2021-06-14T01:44:27.708 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOOLBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
[2021-06-14T01:44:28.374 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOOLBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
[2021-06-14T01:44:28.374 CEST DEBG ][ org.kde.kstars.ekos.guide] - PHD2: received star image response, id 8067
[2021-06-14T01:44:28.375 CEST DEBG ][ org.kde.kstars.fits] - Reading file buffer ( "5.6 KiB" )
[2021-06-14T01:44:28.649 CEST DEBG ][ org.kde.kstars.indi] - Rigelsys NStep : "[DEBUG] CMD <3A 52 50> "
[2021-06-14T01:44:28.649 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOOLBASE.CPP|GetChipCoolTemp| vreadstatus = 0 "
[2021-06-14T01:44:28.649 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD|call vendRXD_Ex "
[2021-06-14T01:44:28.649 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHYCAM.CPP|vendRXD_Ex|req 0xf2 index 0x0 value 0x0 length 4 "
[2021-06-14T01:44:28.650 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOOLBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
[2021-06-14T01:44:28.650 CEST DEBG ][ org.kde.kstars.indi] - QHY CCD QHY294PROM-472c : "[DEBUG] QHYCCD|QHY5IICOOOLBASE.CPP|GetChipCoolTemp|currentPWM = 85.000000 "
```