

21:40:03 FocusMax Version 3.3.15  
21:40:03 System is c8\_st8\_pyxis\_f10  
21:40:04 RoboFocus Control Program is connected  
21:40:04 CCDSoft V 5.00.175 is the Imaging Software  
21:40:19 PinPoint is not installed  
21:40:19 Warning - NOVAS-COM Vector Astrometry Engine is not connected  
21:40:19 and is required with telescope use. Please download from  
21:40:19 DC3 ASCOM Download Library at  
21:40:19 <http://ascom-standards.org/downloads.html>  
21:43:50  
21:43:50 System: c8\_st8\_pyxis\_f10  
21:43:50 \*\* Beginning Focus run \*\*  
21:43:50 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
21:43:50 Move direction: Out  
21:43:51 Filter number = 0  
21:43:51 Current position = 12307  
21:43:51 Focus Start: 12244  
21:44:04 Target star found at X = 742, Y = 614  
21:44:04 Focus exposures will be 1.00 sec  
21:44:11 Position , HFD , Mean Best Focus , X , Y , Flux  
21:44:11 12244 , 5.39 , 0 , 741 , 612 , 305319  
21:44:11 HFD < NearFocus HFD  
21:44:20 12229 , 5.34 , 0 , 742 , 611 , 316405  
21:44:20 On the wrong side of focus  
21:44:31 12161 , 5.18 , 0 , 743 , 610 , 314010  
21:44:31 HFD < NearFocus HFD  
21:44:40 12145 , 5.34 , 0 , 742 , 611 , 319583  
21:44:40 On correct side of focus  
21:44:40 Move to Near Focus HFD  
21:44:49 12120 , 4.70 , 0 , 741 , 610 , 269432  
21:44:58 12092 , 4.73 , 0 , 742 , 610 , 276374  
21:45:05 12064 , 4.90 , 0 , 744 , 608 , 277727  
21:45:11 12037 , 5.12 , 0 , 744 , 608 , 288559  
21:45:20 12011 , 5.68 , 0 , 745 , 609 , 291366  
21:45:29 11988 , 5.00 , 0 , 744 , 609 , 289325  
21:45:38 11961 , 4.89 , 0 , 744 , 608 , 269414  
21:45:44 11934 , 4.50 , 0 , 744 , 607 , 267662  
21:45:54 11905 , 4.73 , 0 , 746 , 606 , 266914  
21:45:54 Operation stopped by operator  
21:45:55 Moving to previous focus position of 12307  
21:46:26  
21:46:26 System: c8\_st8\_pyxis\_f10  
21:46:26 \*\* Beginning Focus run \*\*  
21:46:26 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
21:46:26 Move direction: Out  
21:46:26 Filter number = 0  
21:46:26 Current position = 12307  
21:46:26 Focus Start: 12244  
21:46:40 Target star found at X = 747, Y = 603  
21:46:40 Focus exposures will be 1.00 sec  
21:46:46 Position , HFD , Mean Best Focus , X , Y , Flux  
21:46:46 12244 , 5.23 , 0 , 748 , 603 , 313774  
21:46:46 HFD < NearFocus HFD  
21:46:55 12228 , 5.39 , 0 , 749 , 603 , 306475  
21:46:55 On correct side of focus  
21:46:55 Move to Near Focus HFD  
21:47:04 12203 , 4.67 , 0 , 748 , 603 , 288006  
21:47:04 Operation stopped by operator  
21:47:06 Moving to previous focus position of 12307  
21:51:47  
21:51:47 System: c8\_st8\_pyxis\_f10  
21:51:47 \*\* Beginning Focus run \*\*  
21:51:47 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
21:51:47 Move direction: Out

21:51:47 Filter number = 0  
21:51:47 Current position = 12307  
21:51:47 Focus Start: 12244  
21:52:01 Target star found at X = 749, Y = 629  
21:52:01 Focus exposures will be 1.00 sec  
21:52:07 Star is too close to frame edge or is too weak; increasing frame size  
21:52:07 Increasing frame width  
21:52:15 Position , HFD , Mean Best Focus , X , Y , Flux  
21:52:15 12244 , 23.46 , 0 , 769 , 648 , 319483  
21:52:22 12262 , 17.31 , 0 , 770 , 653 , 318376  
21:52:22 On correct side of focus  
21:52:22 Move to Near Focus HFD  
21:52:30 12282 , 10.37 , 0 , 770 , 654 , 320540  
21:52:30 \*\* Starting Near Focus \*\*  
21:52:30 Position , HFD , Mean Best Focus , X , Y , Flux  
21:52:30 12282 , 10.37 , 12309 , 770 , 654 , 320540  
21:52:36 12282 , 9.88 , 12309 , 771 , 653 , 310302  
21:52:42 12282 , 9.57 , 12308 , 769 , 655 , 307198  
21:52:45 12282 , 10.15 , 12308 , 770 , 653 , 311926  
21:52:48 12282 , 10.01 , 12308 , 769 , 653 , 315178  
21:52:48 Best Focus is: 12308  
21:52:56 12308 , 4.90 , 12308 , 768 , 653 , 317688  
21:52:56 Focusing Completed  
21:52:57 Focus time = 70 sec  
22:25:45  
22:25:45 System: c8\_st8\_pyxis\_f10  
22:25:45 \*\* Beginning Focus run \*\*  
22:25:45 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
22:25:46 Move direction: Out  
22:25:46 Temperature = 623.0  
22:25:46 Filter number = 0  
22:25:46 Current position = 12308  
22:25:46 Focus Start: 12244  
22:26:01 Target star found at X = 755, Y = 506  
22:26:01 Focus exposures will be 1.00 sec  
22:26:08 Position , HFD , Mean Best Focus , X , Y , Flux  
22:26:08 12244 , 29.05 , 0 , 756 , 506 , 166587  
22:26:16 12269 , 20.03 , 0 , 755 , 503 , 162010  
22:26:16 On correct side of focus  
22:26:16 Move to Near Focus HFD  
22:26:24 12282 , 15.18 , 0 , 754 , 501 , 161599  
22:26:32 12296 , 10.22 , 0 , 754 , 501 , 156254  
22:26:32 \*\* Starting Near Focus \*\*  
22:26:32 Position , HFD , Mean Best Focus , X , Y , Flux  
22:26:32 12296 , 10.22 , 12323 , 754 , 501 , 156254  
22:26:39 12296 , 9.60 , 12322 , 754 , 502 , 161986  
22:26:42 12296 , 9.56 , 12322 , 753 , 502 , 154245  
22:26:46 12296 , 9.78 , 12322 , 754 , 503 , 162162  
22:26:50 12296 , 9.63 , 12322 , 753 , 502 , 166787  
22:26:50 Best Focus is: 12322  
22:26:58 12322 , 3.94 , 12322 , 753 , 498 , 158369  
22:26:59 Focusing Completed  
22:26:59 Focus time = 74 sec  
22:27:04 Single Exp. HFD: 4.53 @ 12322 X: 751 Y: 498 Flux: 162215  
22:27:10 Single Exp. HFD: 4.13 @ 12322 X: 750 Y: 499 Flux: 163586  
22:27:15 Single Exp. HFD: 4.38 @ 12322 X: 750 Y: 498 Flux: 157684  
22:27:20 Single Exp. HFD: 4.59 @ 12322 X: 750 Y: 498 Flux: 165663  
22:27:25 Single Exp. HFD: 4.30 @ 12322 X: 751 Y: 498 Flux: 162707  
23:25:58  
23:25:58 System: c8\_st8\_pyxis\_f10  
23:25:58 \*\* Beginning Focus run \*\*  
23:25:58 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
23:25:58 Move direction: Out  
23:25:58 Temperature = 622.0

23:25:58 Filter number = 0  
23:25:58 Current position = 12322  
23:25:59 Focus Start: 12244  
23:26:14 Target star found at X = 776, Y = 517  
23:26:14 Focus exposures will be 1.00 sec  
23:26:21 Position , HFD , Mean Best Focus , X , Y , Flux  
23:26:21 12244 , 24.54 , 0 , 777 , 516 , 161078  
23:26:30 12263 , 17.60 , 0 , 776 , 519 , 157803  
23:26:30 On correct side of focus  
23:26:30 Move to Near Focus HFD  
23:26:38 12283 , 10.64 , 0 , 776 , 520 , 157625  
23:26:38 \*\* Starting Near Focus \*\*  
23:26:38 Position , HFD , Mean Best Focus , X , Y , Flux  
23:26:38 12283 , 10.64 , 12311 , 776 , 520 , 157625  
23:26:45 12283 , 10.85 , 12311 , 775 , 519 , 157339  
23:26:48 12283 , 10.30 , 12311 , 776 , 519 , 155381  
23:26:55 12283 , 10.54 , 12311 , 777 , 519 , 155287  
23:27:02 12283 , 10.56 , 12311 , 776 , 520 , 150550  
23:27:02 Best Focus is: 12311  
23:27:11 12311 , 3.33 , 12311 , 776 , 521 , 147719  
23:27:12 Focusing Completed  
23:27:12 Focus time = 74 sec  
23:27:19 Single Exp. HFD: 3.41 @ 12311 X: 775 Y: 522 Flux: 156081  
23:27:24 Single Exp. HFD: 3.80 @ 12311 X: 775 Y: 521 Flux: 154182  
23:27:29 Single Exp. HFD: 3.69 @ 12311 X: 775 Y: 521 Flux: 160150  
23:27:34 Single Exp. HFD: 3.98 @ 12311 X: 775 Y: 520 Flux: 157261  
23:27:39 Single Exp. HFD: 3.81 @ 12311 X: 775 Y: 521 Flux: 157276  
23:51:56  
23:51:56 System: c8\_st8\_pyxis\_f10  
23:51:56 \*\* Beginning Focus run \*\*  
23:51:56 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
23:51:56 Move direction: Out  
23:51:56 Temperature = 622.0  
23:51:56 Filter number = 0  
23:51:56 Current position = 12311  
23:51:56 Focus Start: 12244  
23:52:12 Target star found at X = 764, Y = 498  
23:52:12 Focus exposures will be 1.00 sec  
23:52:19 Position , HFD , Mean Best Focus , X , Y , Flux  
23:52:19 12244 , 25.88 , 0 , 763 , 497 , 166241  
23:52:27 12265 , 18.46 , 0 , 763 , 499 , 164369  
23:52:27 On correct side of focus  
23:52:27 Move to Near Focus HFD  
23:52:35 12288 , 10.02 , 0 , 762 , 500 , 165328  
23:52:35 \*\* Starting Near Focus \*\*  
23:52:35 Position , HFD , Mean Best Focus , X , Y , Flux  
23:52:35 12288 , 10.02 , 12314 , 762 , 500 , 165328  
23:52:42 12288 , 9.72 , 12314 , 762 , 499 , 154673  
23:52:49 12288 , 9.78 , 12314 , 760 , 499 , 163156  
23:52:55 12288 , 9.52 , 12314 , 759 , 499 , 163295  
23:53:02 12288 , 9.73 , 12314 , 760 , 499 , 157757  
23:53:02 Best Focus is: 12314  
23:53:10 12314 , 3.41 , 12314 , 761 , 502 , 158493  
23:53:11 Focusing Completed  
23:53:11 Focus time = 76 sec  
23:53:19 Single Exp. HFD: 3.25 @ 12314 X: 761 Y: 502 Flux: 150209  
23:53:24 Single Exp. HFD: 3.15 @ 12314 X: 761 Y: 501 Flux: 158892  
23:53:29 Single Exp. HFD: 3.15 @ 12314 X: 762 Y: 501 Flux: 160504  
23:53:34 Single Exp. HFD: 3.38 @ 12314 X: 761 Y: 501 Flux: 163787  
23:53:39 Single Exp. HFD: 3.28 @ 12314 X: 762 Y: 501 Flux: 161343  
00:17:40  
00:17:40 System: c8\_st8\_pyxis\_f10  
00:17:40 \*\* Beginning Focus run \*\*  
00:17:40 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10

00:17:40 Move direction: Out  
00:17:40 Temperature = 622.0  
00:17:40 Filter number = 0  
00:17:40 Current position = 12314  
00:17:40 Focus Start: 12244  
00:17:56 Target star found at X = 772, Y = 500  
00:17:56 Focus exposures will be 1.00 sec  
00:18:03 Position , HFD , Mean Best Focus , X , Y , Flux  
00:18:03 12244 , 25.49 , 0 , 772 , 500 , 164531  
00:18:11 12265 , 17.94 , 0 , 771 , 502 , 166082  
00:18:11 On correct side of focus  
00:18:11 Move to Near Focus HFD  
00:18:19 12286 , 10.60 , 0 , 770 , 503 , 162228  
00:18:19 \*\* Starting Near Focus \*\*  
00:18:19 Position , HFD , Mean Best Focus , X , Y , Flux  
00:18:19 12286 , 10.60 , 12314 , 770 , 503 , 162228  
00:18:26 12286 , 10.35 , 12314 , 771 , 503 , 164157  
00:18:29 12286 , 10.34 , 12313 , 771 , 503 , 162972  
00:18:33 12286 , 10.22 , 12313 , 771 , 502 , 160254  
00:18:40 12286 , 10.21 , 12313 , 772 , 503 , 173729  
00:18:40 Best Focus is: 12313  
00:18:48 12313 , 3.88 , 12313 , 773 , 505 , 153247  
00:18:49 Focusing Completed  
00:18:49 Focus time = 69 sec  
00:18:57 Single Exp. HFD: 3.26 @ 12313 X: 772 Y: 504 Flux: 160174  
00:19:02 Single Exp. HFD: 3.54 @ 12313 X: 773 Y: 504 Flux: 157525  
00:19:07 Single Exp. HFD: 4.64 @ 12313 X: 772 Y: 505 Flux: 160908  
00:19:12 Single Exp. HFD: 3.29 @ 12313 X: 772 Y: 504 Flux: 161826  
00:19:17 Single Exp. HFD: 3.57 @ 12313 X: 772 Y: 503 Flux: 159117  
00:53:59  
00:53:59 System: c8\_st8\_pyxis\_f10  
00:53:59 \*\* Beginning Focus run \*\*  
00:53:59 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
00:53:59 Move direction: Out  
00:53:59 Temperature = 621.0  
00:53:59 Filter number = 0  
00:53:59 Current position = 12313  
00:53:59 Focus Start: 12244  
00:54:15 Target star found at X = 762, Y = 499  
00:54:15 Focus exposures will be 1.00 sec  
00:54:22 Position , HFD , Mean Best Focus , X , Y , Flux  
00:54:22 12244 , 25.17 , 0 , 760 , 499 , 157333  
00:54:30 12264 , 17.82 , 0 , 758 , 500 , 168444  
00:54:30 On correct side of focus  
00:54:30 Move to Near Focus HFD  
00:54:38 12285 , 10.35 , 0 , 759 , 501 , 164594  
00:54:38 \*\* Starting Near Focus \*\*  
00:54:38 Position , HFD , Mean Best Focus , X , Y , Flux  
00:54:38 12285 , 10.35 , 12312 , 759 , 501 , 164594  
00:54:45 12285 , 10.24 , 12312 , 758 , 501 , 156347  
00:54:52 12285 , 9.95 , 12312 , 758 , 501 , 163131  
00:54:56 12285 , 10.05 , 12312 , 757 , 501 , 163362  
00:54:59 12285 , 10.03 , 12312 , 755 , 501 , 164455  
00:54:59 Best Focus is: 12312  
00:55:07 12312 , 3.72 , 12312 , 757 , 503 , 160498  
00:55:08 Focusing Completed  
00:55:09 Focus time = 70 sec  
00:55:16 Single Exp. HFD: 3.98 @ 12312 X: 756 Y: 502 Flux: 158842  
00:55:21 Single Exp. HFD: 3.85 @ 12312 X: 756 Y: 502 Flux: 166506  
00:55:26 Single Exp. HFD: 3.50 @ 12312 X: 755 Y: 502 Flux: 165405  
00:55:31 Single Exp. HFD: 5.00 @ 12312 X: 755 Y: 502 Flux: 159472  
00:55:36 Single Exp. HFD: 3.51 @ 12312 X: 755 Y: 502 Flux: 160830  
01:30:24  
01:30:24 System: c8\_st8\_pyxis\_f10

01:30:24 \*\* Beginning Focus run \*\*  
01:30:24 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
01:30:24 Move direction: Out  
01:30:24 Temperature = 620.0  
01:30:24 Filter number = 0  
01:30:24 Current position = 12312  
01:30:25 Focus Start: 12244  
01:30:40 Target star found at X = 775, Y = 502  
01:30:40 Focus exposures will be 1.00 sec  
01:30:47 Position , HFD , Mean Best Focus , X , Y , Flux  
01:30:47 12244 , 24.92 , 0 , 772 , 503 , 155423  
01:30:55 12264 , 17.69 , 0 , 773 , 506 , 160506  
01:30:55 On correct side of focus  
01:30:55 Move to Near Focus HFD  
01:31:03 12285 , 10.31 , 0 , 773 , 507 , 152224  
01:31:03 \*\* Starting Near Focus \*\*  
01:31:03 Position , HFD , Mean Best Focus , X , Y , Flux  
01:31:03 12285 , 10.31 , 12312 , 773 , 507 , 152224  
01:31:10 12285 , 10.21 , 12312 , 773 , 506 , 151070  
01:31:17 12285 , 9.86 , 12312 , 773 , 506 , 153565  
01:31:24 12285 , 10.04 , 12312 , 771 , 506 , 155819  
01:31:30 12285 , 9.76 , 12311 , 772 , 507 , 149555  
01:31:30 Best Focus is: 12311  
01:31:38 12311 , 4.44 , 12311 , 770 , 508 , 152499  
01:31:39 Focusing Completed  
01:31:39 Focus time = 75 sec  
01:31:48 Single Exp. HFD: 3.39 @ 12311 X: 771 Y: 507 Flux: 147390  
01:31:52 Single Exp. HFD: 3.71 @ 12311 X: 770 Y: 507 Flux: 148283  
01:31:57 Single Exp. HFD: 3.44 @ 12311 X: 770 Y: 507 Flux: 156503  
01:32:02 Single Exp. HFD: 4.03 @ 12311 X: 769 Y: 507 Flux: 151040  
01:32:07 Single Exp. HFD: 3.81 @ 12311 X: 769 Y: 507 Flux: 148538  
02:07:45  
02:07:45 System: c8\_st8\_pyxis\_f10  
02:07:45 \*\* Beginning Focus run \*\*  
02:07:45 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
02:07:46 Move direction: Out  
02:07:46 Temperature = 618.0  
02:07:46 Filter number = 0  
02:07:46 Current position = 12311  
02:07:46 Focus Start: 12244  
02:08:01 Target star found at X = 774, Y = 505  
02:08:01 Focus exposures will be 1.00 sec  
02:08:08 Position , HFD , Mean Best Focus , X , Y , Flux  
02:08:08 12244 , 24.40 , 0 , 771 , 505 , 137016  
02:08:16 12263 , 17.33 , 0 , 770 , 507 , 137764  
02:08:16 On correct side of focus  
02:08:16 Move to Near Focus HFD  
02:08:24 12283 , 10.59 , 0 , 771 , 508 , 139256  
02:08:24 \*\* Starting Near Focus \*\*  
02:08:24 Position , HFD , Mean Best Focus , X , Y , Flux  
02:08:24 12283 , 10.59 , 12311 , 771 , 508 , 139256  
02:08:31 12283 , 11.09 , 12311 , 769 , 507 , 134314  
02:08:38 12283 , 10.60 , 12311 , 771 , 506 , 137471  
02:08:44 12283 , 10.79 , 12311 , 772 , 507 , 135251  
02:08:51 12283 , 10.29 , 12311 , 772 , 507 , 133356  
02:08:51 Best Focus is: 12311  
02:09:00 12311 , 3.63 , 12311 , 773 , 508 , 136666  
02:09:00 Focusing Completed  
02:09:00 Focus time = 74 sec  
02:09:08 Single Exp. HFD: 3.64 @ 12311 X: 775 Y: 508 Flux: 143788  
02:09:12 Single Exp. HFD: 5.34 @ 12311 X: 776 Y: 509 Flux: 143731  
02:09:17 Single Exp. HFD: 4.77 @ 12311 X: 776 Y: 509 Flux: 139321  
02:09:22 Single Exp. HFD: 5.49 @ 12311 X: 777 Y: 508 Flux: 138955  
02:09:27 Single Exp. HFD: 4.81 @ 12311 X: 776 Y: 509 Flux: 135432

02:34:14  
02:34:14 System: c8\_st8\_pyxis\_f10  
02:34:14 \*\* Beginning Focus run \*\*  
02:34:14 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
02:34:14 Move direction: Out  
02:34:14 Temperature = 619.0  
02:34:14 Filter number = 0  
02:34:14 Current position = 12311  
02:34:14 Focus Start: 12244  
02:34:30 Target star found at X = 756, Y = 500  
02:34:30 Focus exposures will be 1.00 sec  
02:34:37 Position , HFD , Mean Best Focus , X , Y , Flux  
02:34:37 12244 , 23.86 , 0 , 754 , 501 , 129975  
02:34:45 12263 , 17.37 , 0 , 754 , 504 , 125305  
02:34:45 On correct side of focus  
02:34:45 Move to Near Focus HFD  
02:34:53 12283 , 10.80 , 0 , 753 , 504 , 130912  
02:34:53 \*\* Starting Near Focus \*\*  
02:34:53 Position , HFD , Mean Best Focus , X , Y , Flux  
02:34:53 12283 , 10.80 , 12311 , 753 , 504 , 130912  
02:34:59 12283 , 10.47 , 12311 , 752 , 504 , 131825  
02:35:03 12283 , 10.18 , 12311 , 752 , 503 , 133685  
02:35:10 12283 , 10.12 , 12310 , 752 , 503 , 130292  
02:35:14 12283 , 10.26 , 12310 , 750 , 503 , 130384  
02:35:14 Best Focus is: 12310  
02:35:22 12310 , 4.51 , 12310 , 752 , 505 , 132518  
02:35:23 Focusing Completed  
02:35:23 Focus time = 69 sec  
02:35:30 Single Exp. HFD: 4.47 @ 12310 X: 751 Y: 504 Flux: 128171  
02:35:35 Single Exp. HFD: 4.39 @ 12310 X: 751 Y: 505 Flux: 135252  
02:35:40 Single Exp. HFD: 4.12 @ 12310 X: 750 Y: 504 Flux: 133523  
02:35:46 Single Exp. HFD: 4.94 @ 12310 X: 749 Y: 504 Flux: 133785  
02:35:51 Single Exp. HFD: 5.06 @ 12310 X: 748 Y: 505 Flux: 130877  
03:00:37  
03:00:37 System: c8\_st8\_pyxis\_f10  
03:00:37 \*\* Beginning Focus run \*\*  
03:00:37 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10  
03:00:37 Move direction: Out  
03:00:37 Temperature = 616.0  
03:00:37 Filter number = 0  
03:00:37 Current position = 12310  
03:00:38 Focus Start: 12244  
03:00:53 Target star found at X = 773, Y = 497  
03:00:53 Focus exposures will be 1.00 sec  
03:01:00 Position , HFD , Mean Best Focus , X , Y , Flux  
03:01:00 12244 , 21.01 , 0 , 773 , 496 , 81978  
03:01:08 12259 , 17.33 , 0 , 773 , 501 , 94411  
03:01:08 On correct side of focus  
03:01:08 Move to Near Focus HFD  
03:01:16 12279 , 11.46 , 0 , 772 , 501 , 81174  
03:01:16 \*\* Starting Near Focus \*\*  
03:01:16 Position , HFD , Mean Best Focus , X , Y , Flux  
03:01:16 12279 , 11.46 , 12309 , 772 , 501 , 81174  
03:01:23 12279 , 10.58 , 12308 , 772 , 501 , 84990  
03:01:30 12279 , 10.41 , 12307 , 770 , 500 , 86978  
03:01:36 12279 , 10.64 , 12307 , 771 , 500 , 87397  
03:01:43 12279 , 10.84 , 12307 , 771 , 500 , 80723  
03:01:43 Best Focus is: 12307  
03:01:52 12307 , 5.50 , 12307 , 770 , 502 , 86358  
03:01:53 Focusing Completed  
03:01:53 Focus time = 75 sec  
03:02:00 Single Exp. HFD: 4.88 @ 12307 X: 770 Y: 500 Flux: 86286  
03:02:04 Single Exp. HFD: 6.51 @ 12307 X: 770 Y: 501 Flux: 84538  
03:02:09 Single Exp. HFD: 6.19 @ 12307 X: 771 Y: 501 Flux: 75958

03:02:14 Single Exp. HFD: 5.76 @ 12307 X: 771 Y: 500 Flux: 80775  
03:02:19 Single Exp. HFD: 5.83 @ 12307 X: 772 Y: 501 Flux: 81306