

21:04:14 FocusMax Version 3.3.15
21:04:14 System is c8_st8_pyxis_f10
21:04:16 RoboFocus Control Program is connected
21:04:16 CCDSoft V 5.00.175 is the Imaging Software
21:04:33 PinPoint is not installed
21:04:33 Warning - NOVAS-COM Vector Astrometry Engine is not connected
21:04:33 and is required with telescope use. Please download from
21:04:33 DC3 ASCOM Download Library at
21:04:33 <http://ascom-standards.org/downloads.html>
21:09:22
21:09:22 System: c8_st8_pyxis_f10
21:09:22 ** Beginning Focus run **
21:09:22 LS: -0.369230 RS: 0.369129 PID: 1.18 NFHFD: 10
21:09:22 Move direction: Out
21:09:22 Filter number = 0
21:09:22 Current position = 12300
21:09:22 Focus Start: 12244
21:09:36 Target star found at x = 782, Y = 524
21:09:36 Focus exposures will be 1.00 sec
21:09:43 Position , HFD , Mean Best Focus , X , Y , Flux
21:09:43 12244 , 18.48 , 0 , 781 , 526 , 191742
21:09:50 12267 , 10.89 , 0 , 781 , 533 , 186560
21:09:50 On correct side of focus
21:09:50 At Near Focus
21:09:50 Position , HFD , Mean Best Focus , X , Y , Flux
21:09:50 12267 , 10.89 , 12296 , 781 , 533 , 186560
21:09:56 12267 , 11.14 , 12296 , 781 , 533 , 196083
21:10:00 12267 , 10.76 , 12296 , 781 , 533 , 194736
21:10:03 12267 , 10.61 , 12296 , 780 , 532 , 186433
21:10:06 12267 , 10.74 , 12296 , 780 , 533 , 190641
21:10:06 Best Focus is: 12296
21:10:14 12296 , 3.09 , 12296 , 782 , 536 , 187803
21:10:14 Focusing Completed
21:10:15 Focus time = 53 sec
21:37:49 ** Beginning Vcurve run **
21:37:50 Star Centering Exposure
21:38:03 Star is too close to frame edge or is too weak
21:38:03 Increasing Subframe width, attempt 1
21:38:10 Star is too close to frame edge or is too weak
21:38:10 Increasing Subframe width, attempt 2
21:38:17 Star is too close to frame edge or is too weak
21:38:17 Increasing Subframe width, attempt 3
21:38:25 Star is too close to frame edge or is too weak
21:38:25 Can not measure HFD for this image
21:38:25 Start Find Star Exposure
21:38:34 Target star found
21:38:34 Focus exposures will be 1 sec
21:38:34 12190 , 43.7662 , 3355965
21:38:41 Single Exp. HFD: 42.56 @ 12190 X: 705 Y: 395 Flux: 3317950
21:38:41 Start V Curve Sequence
21:38:41 Temperature = 618.0
21:38:45 Single Exp. HFD: 42.29 @ 12190 X: 705 Y: 394 Flux: 3273880
21:38:50 Single Exp. HFD: 40.58 @ 12197 X: 708 Y: 398 Flux: 3322986
21:38:54 Single Exp. HFD: 38.19 @ 12204 X: 708 Y: 399 Flux: 3377440
21:38:58 Single Exp. HFD: 35.69 @ 12211 X: 709 Y: 399 Flux: 3335033
21:39:03 Single Exp. HFD: 33.03 @ 12218 X: 709 Y: 400 Flux: 3347381
21:39:07 Single Exp. HFD: 30.56 @ 12225 X: 707 Y: 397 Flux: 3306558
21:39:12 Single Exp. HFD: 27.81 @ 12232 X: 707 Y: 398 Flux: 3289931
21:39:16 Single Exp. HFD: 25.09 @ 12239 X: 708 Y: 399 Flux: 3315737
21:39:21 Single Exp. HFD: 22.13 @ 12246 X: 709 Y: 398 Flux: 3280573
21:39:25 Single Exp. HFD: 19.38 @ 12253 X: 708 Y: 397 Flux: 3321426
21:39:29 Single Exp. HFD: 16.78 @ 12260 X: 709 Y: 397 Flux: 3360224
21:39:34 Single Exp. HFD: 14.12 @ 12267 X: 709 Y: 398 Flux: 3324020
21:39:38 Single Exp. HFD: 11.19 @ 12274 X: 710 Y: 398 Flux: 3325621
21:39:43 Single Exp. HFD: 8.67 @ 12281 X: 708 Y: 399 Flux: 3227112
21:39:47 Single Exp. HFD: 7.08 @ 12288 X: 710 Y: 402 Flux: 3222759
21:39:51 Single Exp. HFD: 6.63 @ 12295 X: 710 Y: 403 Flux: 3018348
21:39:56 Single Exp. HFD: 6.76 @ 12302 X: 711 Y: 403 Flux: 2998868
21:40:00 Single Exp. HFD: 6.09 @ 12309 X: 708 Y: 401 Flux: 3006781
21:40:04 Single Exp. HFD: 6.04 @ 12316 X: 710 Y: 401 Flux: 3134958
21:40:09 Single Exp. HFD: 7.21 @ 12323 X: 711 Y: 403 Flux: 3153447
21:40:13 Single Exp. HFD: 9.54 @ 12330 X: 712 Y: 403 Flux: 3336599
21:40:18 Single Exp. HFD: 12.12 @ 12337 X: 712 Y: 404 Flux: 3290383
21:40:22 Single Exp. HFD: 14.24 @ 12344 X: 711 Y: 405 Flux: 3316753
21:40:27 Single Exp. HFD: 16.97 @ 12351 X: 712 Y: 405 Flux: 3376438
21:40:31 Single Exp. HFD: 19.51 @ 12358 X: 712 Y: 405 Flux: 3368736
21:40:35 Single Exp. HFD: 22.27 @ 12365 X: 712 Y: 405 Flux: 3303089
21:40:40 Single Exp. HFD: 25.19 @ 12372 X: 709 Y: 404 Flux: 3293555
21:40:44 Single Exp. HFD: 27.62 @ 12379 X: 711 Y: 405 Flux: 3419961
21:40:49 Single Exp. HFD: 30.59 @ 12386 X: 709 Y: 406 Flux: 3397120
21:40:53 Single Exp. HFD: 33.53 @ 12393 X: 710 Y: 405 Flux: 3315704
21:40:58 Single Exp. HFD: 36.28 @ 12400 X: 708 Y: 403 Flux: 3347342
21:40:59 V Curve Sequence Complete
21:40:59 LS: -0.366755 RS: 0.365721 PID: 3.09
21:40:59 Results saved to Profile: c8_st8_pyxis_f10
21:42:05 ** Beginning Vcurve run **
21:42:05 Star Centering Exposure
21:42:20 Single Exp. HFD: 42.66 @ 12190 X: 695 Y: 408 Flux: 893778
21:42:20 Start V Curve Sequence
21:42:20 Temperature = 618.0

21:42:24 Single Exp. HFD: 42.94 @ 12190 X: 693 Y: 408 Flux: 884398
21:42:28 Single Exp. HFD: 40.64 @ 12197 X: 695 Y: 410 Flux: 887901
21:42:33 Single Exp. HFD: 38.00 @ 12204 X: 693 Y: 411 Flux: 902700
21:42:37 Single Exp. HFD: 35.38 @ 12211 X: 694 Y: 411 Flux: 900365
21:42:42 Single Exp. HFD: 32.88 @ 12218 X: 693 Y: 412 Flux: 892518
21:42:46 Single Exp. HFD: 30.35 @ 12225 X: 692 Y: 414 Flux: 886831
21:42:51 Single Exp. HFD: 27.43 @ 12232 X: 692 Y: 414 Flux: 899213
21:42:55 Single Exp. HFD: 24.64 @ 12239 X: 693 Y: 415 Flux: 868116
21:43:00 Single Exp. HFD: 22.18 @ 12246 X: 693 Y: 415 Flux: 893959
21:43:04 Single Exp. HFD: 19.20 @ 12253 X: 692 Y: 415 Flux: 903394
21:43:09 Single Exp. HFD: 16.60 @ 12260 X: 691 Y: 415 Flux: 869049
21:43:13 Single Exp. HFD: 14.06 @ 12267 X: 691 Y: 416 Flux: 872304
21:43:17 Single Exp. HFD: 11.35 @ 12274 X: 693 Y: 416 Flux: 879197
21:43:22 Single Exp. HFD: 8.89 @ 12281 X: 692 Y: 416 Flux: 890068
21:43:26 Single Exp. HFD: 6.41 @ 12288 X: 692 Y: 416 Flux: 887400
21:43:31 Single Exp. HFD: 4.22 @ 12295 X: 692 Y: 415 Flux: 862520
21:43:35 Single Exp. HFD: 3.45 @ 12302 X: 693 Y: 416 Flux: 837246
21:43:39 Single Exp. HFD: 3.59 @ 12309 X: 691 Y: 413 Flux: 854342
21:43:44 Single Exp. HFD: 4.97 @ 12316 X: 692 Y: 413 Flux: 887554
21:43:48 Single Exp. HFD: 6.95 @ 12323 X: 694 Y: 415 Flux: 877305
21:43:53 Single Exp. HFD: 9.48 @ 12330 X: 695 Y: 415 Flux: 875865
21:43:57 Single Exp. HFD: 11.88 @ 12337 X: 696 Y: 415 Flux: 882175
21:44:01 Single Exp. HFD: 14.35 @ 12344 X: 696 Y: 416 Flux: 873190
21:44:06 Single Exp. HFD: 17.09 @ 12351 X: 697 Y: 416 Flux: 879745
21:44:10 Single Exp. HFD: 19.38 @ 12358 X: 697 Y: 416 Flux: 891282
21:44:15 Single Exp. HFD: 22.59 @ 12365 X: 698 Y: 415 Flux: 883629
21:44:19 Single Exp. HFD: 25.42 @ 12372 X: 698 Y: 414 Flux: 892373
21:44:24 Single Exp. HFD: 27.90 @ 12379 X: 699 Y: 414 Flux: 879047
21:44:28 Single Exp. HFD: 30.92 @ 12386 X: 700 Y: 414 Flux: 889454
21:44:33 Single Exp. HFD: 33.88 @ 12393 X: 701 Y: 413 Flux: 892511
21:44:37 Single Exp. HFD: 36.57 @ 12400 X: 700 Y: 412 Flux: 884738
21:44:38 V Curve Sequence Complete
21:44:38 LS: -0.374790 RS: 0.374492 PID: 0.91
21:44:38 Results saved to Profile: c8_st8_pyxis_f10
21:44:59 ** Beginning Vcurve run **
21:44:59 Star Centering Exposure
21:45:14 Single Exp. HFD: 42.62 @ 12190 X: 702 Y: 399 Flux: 890477
21:45:14 Start V Curve Sequence
21:45:14 Temperature = 618.0
21:45:18 Single Exp. HFD: 42.84 @ 12190 X: 701 Y: 397 Flux: 907986
21:45:22 Single Exp. HFD: 40.60 @ 12197 X: 704 Y: 399 Flux: 914957
21:45:27 Single Exp. HFD: 37.92 @ 12204 X: 704 Y: 400 Flux: 860169
21:45:31 Single Exp. HFD: 35.63 @ 12211 X: 706 Y: 399 Flux: 888358
21:45:36 Single Exp. HFD: 32.86 @ 12218 X: 706 Y: 401 Flux: 901247
21:45:40 Single Exp. HFD: 30.66 @ 12225 X: 707 Y: 400 Flux: 907251
21:45:44 Single Exp. HFD: 27.83 @ 12232 X: 707 Y: 400 Flux: 881199
21:45:49 Single Exp. HFD: 25.19 @ 12239 X: 709 Y: 400 Flux: 902372
21:45:53 Single Exp. HFD: 21.99 @ 12246 X: 710 Y: 404 Flux: 886777
21:45:58 Single Exp. HFD: 19.03 @ 12253 X: 711 Y: 404 Flux: 889724
21:46:02 Single Exp. HFD: 16.59 @ 12260 X: 710 Y: 404 Flux: 885294
21:46:07 Single Exp. HFD: 14.13 @ 12267 X: 711 Y: 405 Flux: 897570
21:46:11 Single Exp. HFD: 11.42 @ 12274 X: 712 Y: 405 Flux: 876734
21:46:15 Single Exp. HFD: 8.51 @ 12281 X: 712 Y: 405 Flux: 885170
21:46:20 Single Exp. HFD: 6.41 @ 12288 X: 714 Y: 404 Flux: 878431
21:46:24 Single Exp. HFD: 4.32 @ 12295 X: 713 Y: 403 Flux: 855249
21:46:28 Single Exp. HFD: 3.47 @ 12302 X: 715 Y: 402 Flux: 825704
21:46:33 Single Exp. HFD: 3.59 @ 12309 X: 713 Y: 401 Flux: 867646
21:46:37 Single Exp. HFD: 5.04 @ 12316 X: 715 Y: 401 Flux: 876793
21:46:42 Single Exp. HFD: 7.10 @ 12323 X: 715 Y: 404 Flux: 890422
21:46:46 Single Exp. HFD: 9.28 @ 12330 X: 716 Y: 403 Flux: 897455
21:46:50 Single Exp. HFD: 11.87 @ 12337 X: 715 Y: 403 Flux: 886691
21:46:55 Single Exp. HFD: 14.38 @ 12344 X: 717 Y: 404 Flux: 888382
21:46:59 Single Exp. HFD: 16.88 @ 12351 X: 717 Y: 404 Flux: 882121
21:47:04 Single Exp. HFD: 19.52 @ 12358 X: 717 Y: 403 Flux: 882857
21:47:08 Single Exp. HFD: 22.53 @ 12365 X: 719 Y: 402 Flux: 866953
21:47:13 Single Exp. HFD: 25.74 @ 12372 X: 718 Y: 402 Flux: 885550
21:47:17 Single Exp. HFD: 27.92 @ 12379 X: 719 Y: 402 Flux: 895483
21:47:21 Single Exp. HFD: 30.73 @ 12386 X: 719 Y: 401 Flux: 886941
21:47:26 Single Exp. HFD: 33.77 @ 12393 X: 719 Y: 401 Flux: 908949
21:47:30 Single Exp. HFD: 36.70 @ 12400 X: 719 Y: 402 Flux: 898873
21:47:31 V Curve Sequence Complete
21:47:31 LS: -0.375448 RS: 0.375168 PID: 0.86
21:47:31 Results saved to Profile: c8_st8_pyxis_f10
21:47:51 ** Beginning Vcurve run **
21:47:51 Star Centering Exposure
21:48:06 Single Exp. HFD: 42.95 @ 12190 X: 714 Y: 388 Flux: 880053
21:48:06 Start V Curve Sequence
21:48:06 Temperature = 618.0
21:48:10 Single Exp. HFD: 42.61 @ 12190 X: 712 Y: 388 Flux: 886786
21:48:15 Single Exp. HFD: 40.42 @ 12197 X: 714 Y: 390 Flux: 887097
21:48:19 Single Exp. HFD: 38.13 @ 12204 X: 712 Y: 391 Flux: 893524
21:48:24 Single Exp. HFD: 35.59 @ 12211 X: 713 Y: 392 Flux: 887350
21:48:28 Single Exp. HFD: 33.23 @ 12218 X: 712 Y: 392 Flux: 900033
21:48:32 Single Exp. HFD: 30.52 @ 12225 X: 713 Y: 392 Flux: 865038
21:48:37 Single Exp. HFD: 27.54 @ 12232 X: 712 Y: 393 Flux: 883820
21:48:41 Single Exp. HFD: 24.56 @ 12239 X: 714 Y: 394 Flux: 894696
21:48:46 Single Exp. HFD: 22.19 @ 12246 X: 713 Y: 394 Flux: 875957
21:48:50 Single Exp. HFD: 19.36 @ 12253 X: 714 Y: 393 Flux: 906750
21:48:54 Single Exp. HFD: 16.13 @ 12260 X: 713 Y: 394 Flux: 876250
21:48:59 Single Exp. HFD: 14.24 @ 12267 X: 714 Y: 394 Flux: 886610

21:49:03 Single Exp. HFD: 11.13 @ 12274 X: 713 Y: 394 Flux: 858304
21:49:08 Single Exp. HFD: 9.24 @ 12281 X: 714 Y: 394 Flux: 882857
21:49:12 Single Exp. HFD: 6.54 @ 12288 X: 713 Y: 394 Flux: 880217
21:49:16 Single Exp. HFD: 4.31 @ 12295 X: 713 Y: 393 Flux: 881850
21:49:21 Single Exp. HFD: 3.47 @ 12302 X: 714 Y: 393 Flux: 841444
21:49:25 Single Exp. HFD: 3.83 @ 12309 X: 712 Y: 391 Flux: 838051
21:49:29 Single Exp. HFD: 5.28 @ 12316 X: 715 Y: 393 Flux: 859464
21:49:34 Single Exp. HFD: 6.98 @ 12323 X: 715 Y: 394 Flux: 898663
21:49:38 Single Exp. HFD: 9.24 @ 12330 X: 715 Y: 394 Flux: 865716
21:49:43 Single Exp. HFD: 11.67 @ 12337 X: 715 Y: 395 Flux: 876517
21:49:47 Single Exp. HFD: 14.47 @ 12344 X: 716 Y: 395 Flux: 878905
21:49:51 Single Exp. HFD: 17.26 @ 12351 X: 715 Y: 395 Flux: 883458
21:49:56 Single Exp. HFD: 19.55 @ 12358 X: 715 Y: 395 Flux: 892250
21:50:00 Single Exp. HFD: 22.32 @ 12365 X: 715 Y: 394 Flux: 898916
21:50:05 Single Exp. HFD: 25.63 @ 12372 X: 715 Y: 394 Flux: 892744
21:50:09 Single Exp. HFD: 27.89 @ 12379 X: 715 Y: 394 Flux: 882456
21:50:14 Single Exp. HFD: 31.12 @ 12386 X: 716 Y: 396 Flux: 898305
21:50:18 Single Exp. HFD: 33.49 @ 12393 X: 719 Y: 398 Flux: 887515
21:50:22 Single Exp. HFD: 36.33 @ 12400 X: 718 Y: 399 Flux: 916100
21:50:23 V Curve Sequence Complete
21:50:23 LS: -0.374226 RS: 0.373884 PID: 1.05
21:50:23 Results saved to Profile: c8_st8_pyxis_f10
21:50:35 ** Beginning Vcurve run **
21:50:35 Star Centering Exposure
21:50:50 Single Exp. HFD: 42.82 @ 12190 X: 714 Y: 390 Flux: 906575
21:50:50 Start V Curve Sequence
21:50:50 Temperature = 618.0
21:50:54 Single Exp. HFD: 42.95 @ 12190 X: 714 Y: 390 Flux: 889748
21:50:58 Single Exp. HFD: 40.50 @ 12197 X: 715 Y: 392 Flux: 897117
21:51:03 Single Exp. HFD: 37.91 @ 12204 X: 712 Y: 390 Flux: 893110
21:51:07 Single Exp. HFD: 35.52 @ 12211 X: 710 Y: 388 Flux: 888667
21:51:12 Single Exp. HFD: 33.21 @ 12218 X: 710 Y: 389 Flux: 908793
21:51:16 Single Exp. HFD: 30.33 @ 12225 X: 711 Y: 390 Flux: 904924
21:51:21 Single Exp. HFD: 27.79 @ 12232 X: 710 Y: 391 Flux: 888100
21:51:25 Single Exp. HFD: 24.89 @ 12239 X: 709 Y: 392 Flux: 887885
21:51:29 Single Exp. HFD: 22.22 @ 12246 X: 709 Y: 392 Flux: 897414
21:51:34 Single Exp. HFD: 18.97 @ 12253 X: 709 Y: 392 Flux: 885871
21:51:38 Single Exp. HFD: 16.68 @ 12260 X: 708 Y: 392 Flux: 878612
21:51:43 Single Exp. HFD: 14.15 @ 12267 X: 709 Y: 393 Flux: 886858
21:51:47 Single Exp. HFD: 11.54 @ 12274 X: 710 Y: 396 Flux: 876298
21:51:52 Single Exp. HFD: 8.69 @ 12281 X: 712 Y: 398 Flux: 849526
21:51:56 Single Exp. HFD: 6.30 @ 12288 X: 712 Y: 398 Flux: 900429
21:52:00 Single Exp. HFD: 4.38 @ 12295 X: 711 Y: 396 Flux: 872708
21:52:05 Single Exp. HFD: 3.37 @ 12302 X: 712 Y: 396 Flux: 824401
21:52:09 Single Exp. HFD: 3.56 @ 12309 X: 710 Y: 395 Flux: 850539
21:52:13 Single Exp. HFD: 5.29 @ 12316 X: 711 Y: 396 Flux: 865422
21:52:18 Single Exp. HFD: 7.22 @ 12323 X: 712 Y: 398 Flux: 884641
21:52:22 Single Exp. HFD: 9.33 @ 12330 X: 712 Y: 398 Flux: 881981
21:52:27 Single Exp. HFD: 11.69 @ 12337 X: 712 Y: 398 Flux: 887190
21:52:31 Single Exp. HFD: 14.17 @ 12344 X: 712 Y: 398 Flux: 873390
21:52:35 Single Exp. HFD: 16.72 @ 12351 X: 712 Y: 398 Flux: 879334
21:52:40 Single Exp. HFD: 19.60 @ 12358 X: 712 Y: 399 Flux: 879562
21:52:44 Single Exp. HFD: 22.39 @ 12365 X: 712 Y: 398 Flux: 879957
21:52:49 Single Exp. HFD: 25.15 @ 12372 X: 712 Y: 398 Flux: 901084
21:52:53 Single Exp. HFD: 27.60 @ 12379 X: 711 Y: 395 Flux: 889074
21:52:58 Single Exp. HFD: 30.45 @ 12386 X: 710 Y: 393 Flux: 900107
21:53:02 Single Exp. HFD: 33.30 @ 12393 X: 710 Y: 395 Flux: 890343
21:53:07 Single Exp. HFD: 36.14 @ 12400 X: 709 Y: 394 Flux: 873644
21:53:07 V Curve Sequence Complete
21:53:07 LS: -0.373326 RS: 0.373050 PID: 0.82
21:53:07 Results saved to Profile: c8_st8_pyxis_f10
21:53:43 ** Beginning Vcurve run **
21:53:43 Star Centering Exposure
21:53:58 Single Exp. HFD: 42.74 @ 12190 X: 711 Y: 380 Flux: 883742
21:53:58 Start V Curve Sequence
21:53:58 Temperature = 618.0
21:54:02 Single Exp. HFD: 42.64 @ 12190 X: 711 Y: 380 Flux: 881603
21:54:07 Single Exp. HFD: 40.64 @ 12197 X: 713 Y: 382 Flux: 908689
21:54:11 Single Exp. HFD: 38.39 @ 12204 X: 713 Y: 383 Flux: 891900
21:54:16 Single Exp. HFD: 35.47 @ 12211 X: 713 Y: 383 Flux: 895849
21:54:20 Single Exp. HFD: 33.53 @ 12218 X: 714 Y: 384 Flux: 887657
21:54:24 Single Exp. HFD: 30.76 @ 12225 X: 715 Y: 384 Flux: 904969
21:54:29 Single Exp. HFD: 27.58 @ 12232 X: 715 Y: 384 Flux: 902030
21:54:33 Single Exp. HFD: 25.14 @ 12239 X: 716 Y: 384 Flux: 882538
21:54:38 Single Exp. HFD: 22.04 @ 12246 X: 717 Y: 384 Flux: 885975
21:54:42 Single Exp. HFD: 19.22 @ 12253 X: 716 Y: 385 Flux: 881594
21:54:46 Single Exp. HFD: 16.46 @ 12260 X: 717 Y: 385 Flux: 889957
21:54:51 Single Exp. HFD: 14.00 @ 12267 X: 719 Y: 390 Flux: 902147
21:54:55 Single Exp. HFD: 11.23 @ 12274 X: 721 Y: 390 Flux: 879300
21:55:00 Single Exp. HFD: 8.87 @ 12281 X: 721 Y: 390 Flux: 885991
21:55:04 Single Exp. HFD: 6.42 @ 12288 X: 722 Y: 390 Flux: 883529
21:55:08 Single Exp. HFD: 4.09 @ 12295 X: 722 Y: 389 Flux: 868157
21:55:13 Single Exp. HFD: 3.56 @ 12302 X: 724 Y: 388 Flux: 847103
21:55:17 Single Exp. HFD: 3.59 @ 12309 X: 722 Y: 387 Flux: 846434
21:55:22 Single Exp. HFD: 4.87 @ 12316 X: 724 Y: 387 Flux: 882358
21:55:26 Single Exp. HFD: 6.97 @ 12323 X: 725 Y: 388 Flux: 837905
21:55:30 Single Exp. HFD: 9.13 @ 12330 X: 725 Y: 387 Flux: 866132
21:55:35 Single Exp. HFD: 11.64 @ 12337 X: 725 Y: 389 Flux: 894479
21:55:39 Single Exp. HFD: 14.23 @ 12344 X: 726 Y: 389 Flux: 878905
21:55:44 Single Exp. HFD: 16.75 @ 12351 X: 726 Y: 388 Flux: 892671

21:55:48 Single Exp. HFD: 19.39 @ 12358 X: 725 Y: 389 Flux: 885855
21:55:52 Single Exp. HFD: 22.35 @ 12365 X: 727 Y: 387 Flux: 892085
21:55:57 Single Exp. HFD: 25.05 @ 12372 X: 726 Y: 388 Flux: 902734
21:56:01 Single Exp. HFD: 27.57 @ 12379 X: 727 Y: 388 Flux: 892321
21:56:06 Single Exp. HFD: 30.45 @ 12386 X: 726 Y: 388 Flux: 898860
21:56:10 Single Exp. HFD: 33.03 @ 12393 X: 726 Y: 387 Flux: 907799
21:56:15 Single Exp. HFD: 36.14 @ 12400 X: 725 Y: 386 Flux: 894394
21:56:15 V Curve Sequence Complete
21:56:15 LS: -0.373126 RS: 0.372804 PID: 0.95
21:56:15 Results saved to Profile: c8_st8_pyxis_f10
21:56:30
21:56:30 System: c8_st8_pyxis_f10
21:56:30 ** Beginning Focus run **
21:56:30 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
21:56:30 Move direction: Out
21:56:30 Temperature = 620.0
21:56:30 Filter number = 0
21:56:30 Current position = 12400
21:56:30 Focus Start: 12244
21:56:48 Target star found at X = 724, Y = 380
21:56:48 Focus exposures will be 1.00 sec
21:56:54 Position, HFD, Mean Best Focus, X, Y, Flux
12244, 22.21, 0, 723, 379, 887829
21:57:02 12260, 16.57, 0, 724, 382, 895889
21:57:02 On correct side of focus
21:57:02 Move to Near Focus HFD
21:57:09 12278, 9.83, 0, 723, 383, 881465
21:57:09 ** Starting Near Focus **
21:57:09 Position, HFD, Mean Best Focus, X, Y, Flux
21:57:09 12278, 9.83, 12304, 723, 383, 881465
21:57:15 12278, 9.64, 12304, 722, 382, 854948
21:57:20 12278, 9.66, 12303, 722, 382, 859776
21:57:26 12278, 10.24, 12304, 721, 382, 882855
21:57:32 12278, 9.73, 12304, 722, 383, 875144
21:57:32 Best Focus is: 12304
21:57:40 12304, 3.42, 12304, 722, 382, 835732
21:57:40 Focusing Completed
21:57:41 Focus time = 71 sec
22:07:47
22:07:47 System: c8_st8_pyxis_f10
22:07:47 ** Beginning Focus run **
22:07:47 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
22:07:47 Move direction: Out
22:07:47 Temperature = 618.0
22:07:47 Filter number = 0
22:07:47 Current position = 12304
22:07:47 Focus Start: 12244
22:08:01 Target star found at X = 754, Y = 555
22:08:01 Focus exposures will be 1.00 sec
22:08:08 Position, HFD, Mean Best Focus, X, Y, Flux
22:08:08 12244, 25.36, 0, 751, 560, 905799
22:08:16 Star is too close to frame edge or is too weak; increasing frame size
22:08:16 Increasing frame width
22:08:23 12265, 17.57, 0, 750, 540, 929793
22:08:23 On correct side of focus
22:08:23 Move to Near Focus HFD
22:08:32 12285, 10.92, 0, 748, 537, 884990
22:08:32 ** Starting Near Focus **
22:08:32 Position, HFD, Mean Best Focus, X, Y, Flux
22:08:32 12285, 10.92, 12314, 748, 537, 884990
22:08:38 Star is too close to frame edge or is too weak; increasing frame size
22:08:38 Increasing frame width
22:08:46 12285, 11.06, 12314, 747, 514, 934966
22:08:52 12285, 10.77, 12314, 746, 514, 923791
22:08:59 12285, 10.45, 12313, 745, 513, 906676
22:09:03 12285, 10.85, 12313, 744, 513, 884931
22:09:03 Best Focus is: 12313
22:09:11 12313, 7.05, 12313, 743, 514, 924564
22:09:11 Final focus > max allowed HFD of 6.00
22:09:11 Moving to last focus position: 12304
22:09:11 Moving to previous focus position of 12304
22:09:21 Single Exp. HFD: 7.13 @ 12304 X: 742 Y: 516 Flux: 931341
22:09:26 Single Exp. HFD: 7.29 @ 12304 X: 741 Y: 518 Flux: 908010
22:09:31 Single Exp. HFD: 6.92 @ 12304 X: 742 Y: 518 Flux: 901087
22:09:36 Single Exp. HFD: 7.08 @ 12304 X: 741 Y: 517 Flux: 916484
22:09:41 Single Exp. HFD: 7.02 @ 12304 X: 741 Y: 517 Flux: 912553
22:19:45
22:19:45 System: c8_st8_pyxis_f10
22:19:45 ** Beginning Focus run **
22:19:45 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
22:19:45 Move direction: Out
22:19:45 Temperature = 614.0
22:19:45 Filter number = 0
22:19:45 Current position = 12304
22:19:45 Focus Start: 12244
22:19:59 Target star found at X = 772, Y = 497
22:19:59 Focus exposures will be 1.00 sec
22:20:05 Position, HFD, Mean Best Focus, X, Y, Flux
22:20:05 12244, 24.19, 0, 770, 498, 199074
22:20:12 12263, 17.68, 0, 770, 495, 202283

```
22:20:12 On correct side of focus
22:20:12 Move to Near Focus HFD
22:20:20 12284 , 9.84 , 0 , 770 , 493 , 199788
22:20:20 ** Starting Near Focus **
22:20:20 Position , HFD , Mean Best Focus , X , Y , Flux
22:20:20 12284 , 9.84 , 12310 , 770 , 493 , 199788
22:20:26 12284 , 9.95 , 12310 , 770 , 494 , 200438
22:20:32 12284 , 9.67 , 12310 , 770 , 494 , 198862
22:20:38 12284 , 9.62 , 12310 , 768 , 495 , 197492
22:20:44 12284 , 9.61 , 12310 , 768 , 495 , 198884
22:20:44 Best Focus is: 12310
22:20:52 12310 , 3.52 , 12310 , 768 , 496 , 204553
22:20:53 Focusing Completed
22:20:53 Focus time = 68 sec
22:23:48
22:23:48 System: c8_st8_pyxis_f10
22:23:48 ** Beginning Focus run **
22:23:48 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
22:23:48 Move direction: Out
22:23:48 Temperature = 614.0
22:23:48 Filter number = 0
22:23:48 Current position = 12310
22:23:48 Focus Start: 12244
22:24:03 Target star found at X = 759, Y = 528
22:24:03 Focus exposures will be 1.00 sec
22:24:10 Position , HFD , Mean Best Focus , X , Y , Flux
22:24:10 12244 , 24.47 , 0 , 756 , 530 , 922852
22:24:18 12263 , 18.44 , 0 , 754 , 527 , 908388
22:24:18 On correct side of focus
22:24:18 Move to Near Focus HFD
22:24:27 12286 , 10.66 , 0 , 753 , 526 , 898617
22:24:27 ** Starting Near Focus **
22:24:27 Position , HFD , Mean Best Focus , X , Y , Flux
22:24:27 12286 , 10.66 , 12314 , 753 , 526 , 898617
22:24:38 CCDSoft.App Error -2147220292: Process aborted.
```

Error code = 212 (0xd4).

Module modComponents sub ExposeSubFrame

22:24:38 FocusMax Error 13: Type mismatch

frmMain sub CmdExpose

22:24:38 Moving to previous focus position of 12310

22:27:57

System: c8_st8_pyxis_f10

22:27:57 ** Beginning Focus run **

22:27:57 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10

22:27:57 Move direction: Out

22:27:57 Temperature = 618.0

22:27:57 Filter number = 0

22:27:57 Current position = 12310

22:27:57 Focus Start: 12244

22:28:12 Target star found at X = 761, Y = 508

22:28:12 Focus exposures will be 1.00 sec

22:28:19 Position , HFD , Mean Best Focus , X , Y , Flux

22:28:19 12244 , 24.39 , 0 , 761 , 509 , 187963

22:28:28 12263 , 17.63 , 0 , 762 , 506 , 184563

22:28:28 On correct side of focus

22:28:28 Move to Near Focus HFD

22:28:36 12283 , 10.78 , 0 , 761 , 504 , 187858

22:28:36 ** Starting Near Focus **

22:28:36 Position , HFD , Mean Best Focus , X , Y , Flux

22:28:36 12283 , 10.78 , 12311 , 761 , 504 , 187858

22:28:43 12283 , 10.26 , 12311 , 762 , 505 , 182371

22:28:49 12283 , 10.33 , 12310 , 762 , 506 , 182238

22:28:53 12283 , 10.40 , 12310 , 763 , 506 , 182863

22:28:57 12283 , 10.22 , 12310 , 763 , 506 , 181766

22:28:57 Best Focus is: 12310

22:29:05 12310 , 3.61 , 12310 , 764 , 508 , 181096

22:29:05 Focusing Completed

22:29:05 Focus time = 69 sec

22:29:14 Single Exp. HFD: 3.52 @ 12310 X: 764 Y: 509 Flux: 183715

22:29:18 Single Exp. HFD: 3.47 @ 12310 X: 764 Y: 509 Flux: 183013

22:29:23 Single Exp. HFD: 3.47 @ 12310 X: 765 Y: 510 Flux: 184054

22:29:28 Single Exp. HFD: 3.69 @ 12310 X: 766 Y: 510 Flux: 185239

22:29:34 Single Exp. HFD: 3.52 @ 12310 X: 767 Y: 510 Flux: 183075

22:31:48

System: c8_st8_pyxis_f10

22:31:48 ** Beginning Focus run **

22:31:48 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10

22:31:48 Move direction: Out

22:31:48 Temperature = 618.0

22:31:49 Filter number = 0

22:31:49 Current position = 12310

22:31:49 Focus Start: 12244

22:32:04 Target star found at X = 756, Y = 510

22:32:04 Focus exposures will be 1.00 sec

22:32:11 Position , HFD , Mean Best Focus , X , Y , Flux

22:32:11 12244 , 24.49 , 0 , 755 , 511 , 188093

22:32:19 12263 , 17.65 , 0 , 754 , 508 , 191772

22:32:19 On correct side of focus

22:32:19 Move to Near Focus HFD

22:32:27 12283 , 10.11 , 0 , 753 , 506 , 185157
22:32:27 ** Starting Near Focus **
22:32:27 Position , HFD , Mean Best Focus , X , Y , Flux
22:32:27 12283 , 10.11 , 12310 , 753 , 506 , 185157
22:32:34 12283 , 10.20 , 12310 , 752 , 507 , 186258
22:32:38 12283 , 10.15 , 12310 , 753 , 507 , 179680
22:32:42 12283 , 9.85 , 12309 , 753 , 507 , 181730
22:32:49 12283 , 10.16 , 12310 , 753 , 508 , 177955
22:32:49 Best Focus is: 12310
22:32:57 12310 , 3.77 , 12310 , 752 , 509 , 180562
22:32:57 Focusing Completed
22:32:57 Focus time = 69 sec
22:33:05 Single Exp. HFD: 3.45 @ 12310 X: 752 Y: 510 Flux: 181994
22:33:10 Single Exp. HFD: 3.55 @ 12310 X: 750 Y: 510 Flux: 188964
22:33:15 Single Exp. HFD: 3.55 @ 12310 X: 751 Y: 510 Flux: 182496
22:33:20 Single Exp. HFD: 3.48 @ 12310 X: 749 Y: 510 Flux: 185250
22:33:25 Single Exp. HFD: 3.37 @ 12310 X: 750 Y: 510 Flux: 182249
23:08:28
23:08:28 System: c8_st8_pyxis_f10
23:08:28 ** Beginning Focus run **
23:08:28 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
23:08:28 Move direction: Out
23:08:28 Temperature = 616.0
23:08:28 Filter number = 0
23:08:28 Current position = 12310
23:08:28 Focus Start: 12244
23:08:44 Target star found at X = 750, Y = 512
23:08:44 Focus exposures will be 1.00 sec
23:08:50 Position , HFD , Mean Best Focus , X , Y , Flux
23:08:50 12244 , 23.94 , 0 , 750 , 512 , 182601
23:08:58 12263 , 17.78 , 0 , 749 , 508 , 191733
23:08:58 On correct side of focus
23:08:58 Move to Near Focus HFD
23:09:06 12284 , 9.87 , 0 , 748 , 506 , 183076
23:09:06 ** Starting Near Focus **
23:09:06 Position , HFD , Mean Best Focus , X , Y , Flux
23:09:06 12284 , 9.87 , 12310 , 748 , 506 , 183076
23:09:14 12284 , 9.47 , 12309 , 747 , 506 , 182022
23:09:20 12284 , 9.87 , 12310 , 747 , 507 , 182654
23:09:24 12284 , 9.74 , 12310 , 748 , 507 , 182610
23:09:31 12284 , 9.61 , 12309 , 748 , 507 , 178215
23:09:31 Best Focus is: 12309
23:09:39 12309 , 3.52 , 12309 , 747 , 508 , 177246
23:09:40 Focusing Completed
23:09:40 Focus time = 72 sec
23:09:48 Single Exp. HFD: 3.51 @ 12309 X: 747 Y: 509 Flux: 181156
23:09:53 Single Exp. HFD: 3.46 @ 12309 X: 746 Y: 509 Flux: 184146
23:09:58 Single Exp. HFD: 3.50 @ 12309 X: 745 Y: 509 Flux: 183174
23:10:03 Single Exp. HFD: 3.40 @ 12309 X: 746 Y: 509 Flux: 184942
23:10:08 Single Exp. HFD: 3.53 @ 12309 X: 745 Y: 510 Flux: 187883
23:34:30
23:34:30 System: c8_st8_pyxis_f10
23:34:30 ** Beginning Focus run **
23:34:30 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
23:34:30 Move direction: Out
23:34:30 Temperature = 616.0
23:34:30 Filter number = 0
23:34:30 Current position = 12309
23:34:31 Focus Start: 12244
23:34:46 Target star found at X = 779, Y = 495
23:34:46 Focus exposures will be 1.00 sec
23:34:53 Position , HFD , Mean Best Focus , X , Y , Flux
23:34:53 12244 , 20.32 , 0 , 777 , 495 , 186800
23:35:01 12258 , 15.70 , 0 , 775 , 498 , 191685
23:35:01 On correct side of focus
23:35:01 Move to Near Focus HFD
23:35:10 12273 , 10.27 , 0 , 775 , 499 , 180160
23:35:10 ** Starting Near Focus **
23:35:10 Position , HFD , Mean Best Focus , X , Y , Flux
23:35:10 12273 , 10.27 , 12300 , 775 , 499 , 180160
23:35:17 12273 , 9.95 , 12300 , 775 , 498 , 180803
23:35:24 12273 , 9.87 , 12299 , 776 , 498 , 182370
23:35:31 12273 , 10.00 , 12299 , 777 , 498 , 179388
23:35:34 12273 , 10.03 , 12299 , 776 , 498 , 180709
23:35:34 Best Focus is: 12299
23:35:43 12299 , 2.95 , 12299 , 776 , 498 , 179805
23:35:44 Focusing Completed
23:35:44 Focus time = 74 sec
23:35:52 Single Exp. HFD: 2.83 @ 12299 X: 776 Y: 497 Flux: 176377
23:35:57 Single Exp. HFD: 2.84 @ 12299 X: 776 Y: 497 Flux: 178861
23:36:02 Single Exp. HFD: 2.92 @ 12299 X: 774 Y: 497 Flux: 179590
23:36:07 Single Exp. HFD: 3.00 @ 12299 X: 775 Y: 496 Flux: 182406
23:36:12 Single Exp. HFD: 3.08 @ 12299 X: 774 Y: 497 Flux: 183337
00:14:04
00:14:04 System: c8_st8_pyxis_f10
00:14:04 ** Beginning Focus run **
00:14:04 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
00:14:05 Move direction: Out
00:14:05 Temperature = 616.0
00:14:05 Filter number = 0

00:14:05 Current position = 12299
00:14:05 Focus Start: 12244
00:14:19 Target star found at x = 772, Y = 514
00:14:19 Focus exposures will be 1.00 sec
00:14:26 Position , HFD , Mean Best Focus , X , Y , Flux
00:14:26 12244 , 20.63 , 0 , 772 , 514 , 184486
00:14:31 12258 , 15.64 , 0 , 772 , 517 , 188092
00:14:31 On correct side of focus
00:14:31 Move to Near Focus HFD
00:14:40 12273 , 10.23 , 0 , 772 , 518 , 181336
00:14:40 ** Starting Near Focus **
00:14:40 Position , HFD , Mean Best Focus , X , Y , Flux
00:14:40 12273 , 10.23 , 12300 , 772 , 518 , 181336
00:14:46 12273 , 10.39 , 12300 , 771 , 518 , 182259
00:14:50 12273 , 9.94 , 12300 , 770 , 518 , 178659
00:14:54 12273 , 9.96 , 12300 , 770 , 518 , 178885
00:14:57 12273 , 10.36 , 12300 , 770 , 519 , 179953
00:14:57 Best Focus is: 12300
00:15:06 12300 , 2.85 , 12300 , 770 , 518 , 182735
00:15:07 Focusing Completed
00:15:07 Focus time = 62 sec
00:15:15 Single Exp. HFD: 2.88 @ 12300 X: 769 Y: 517 Flux: 179449
00:15:20 Single Exp. HFD: 3.03 @ 12300 X: 770 Y: 518 Flux: 180938
00:15:25 Single Exp. HFD: 3.01 @ 12300 X: 769 Y: 518 Flux: 174528
00:15:30 Single Exp. HFD: 2.83 @ 12300 X: 768 Y: 517 Flux: 176627
00:15:35 Single Exp. HFD: 2.92 @ 12300 X: 769 Y: 518 Flux: 178066
00:50:30 System: c8_st8_pyxis_f10
00:50:30 ** Beginning Focus run **
00:50:30 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
00:50:31 Move direction: Out
00:50:31 Temperature = 616.0
00:50:31 Filter number = 0
00:50:31 Current position = 12300
00:50:31 Focus Start: 12244
00:50:46 Target star found at X = 767, Y = 511
00:50:46 Focus exposures will be 1.00 sec
00:50:53 Position , HFD , Mean Best Focus , X , Y , Flux
00:50:53 12244 , 20.88 , 0 , 766 , 510 , 179140
00:51:01 12259 , 15.23 , 0 , 765 , 513 , 187111
00:51:01 On correct side of focus
00:51:01 Move to Near Focus HFD
00:51:09 12273 , 10.48 , 0 , 766 , 514 , 178700
00:51:09 ** Starting Near Focus **
00:51:09 Position , HFD , Mean Best Focus , X , Y , Flux
00:51:09 12273 , 10.48 , 12301 , 766 , 514 , 178700
00:51:16 12273 , 10.19 , 12300 , 765 , 513 , 173731
00:51:20 12273 , 10.33 , 12300 , 765 , 514 , 179707
00:51:23 12273 , 10.35 , 12300 , 765 , 513 , 179967
00:51:27 12273 , 10.67 , 12300 , 765 , 514 , 182280
00:51:27 Best Focus is: 12300
00:51:35 12300 , 3.29 , 12300 , 764 , 514 , 183790
00:51:35 Focusing Completed
00:51:36 Focus time = 65 sec
00:51:44 Single Exp. HFD: 3.01 @ 12300 X: 763 Y: 513 Flux: 181118
00:51:49 Single Exp. HFD: 3.64 @ 12300 X: 764 Y: 513 Flux: 174423
00:51:54 Single Exp. HFD: 3.09 @ 12300 X: 764 Y: 513 Flux: 176048
00:51:59 Single Exp. HFD: 3.20 @ 12300 X: 764 Y: 513 Flux: 173503
00:52:04 Single Exp. HFD: 3.54 @ 12300 X: 765 Y: 514 Flux: 184261
01:29:25 System: c8_st8_pyxis_f10
01:29:25 ** Beginning Focus run **
01:29:25 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
01:29:25 Move direction: Out
01:29:25 Temperature = 616.0
01:29:25 Filter number = 0
01:29:25 Current position = 12300
01:29:25 Focus Start: 12244
01:29:40 Target star found at x = 749, Y = 496
01:29:40 Focus exposures will be 1.00 sec
01:29:48 Position , HFD , Mean Best Focus , X , Y , Flux
01:29:48 12244 , 21.51 , 0 , 745 , 494 , 218765
01:29:56 12259 , 16.58 , 0 , 746 , 497 , 221136
01:29:56 On correct side of focus
01:29:56 Move to Near Focus HFD
01:30:04 12277 , 10.06 , 0 , 746 , 498 , 221285
01:30:04 ** Starting Near Focus **
01:30:04 Position , HFD , Mean Best Focus , X , Y , Flux
01:30:04 12277 , 10.06 , 12303 , 746 , 498 , 221285
01:30:11 12277 , 9.96 , 12303 , 747 , 497 , 222543
01:30:18 12277 , 9.64 , 12303 , 748 , 497 , 215161
01:30:25 12277 , 9.65 , 12303 , 746 , 496 , 216385
01:30:28 12277 , 9.98 , 12303 , 745 , 496 , 211349
01:30:28 Best Focus is: 12303
01:30:37 12303 , 3.15 , 12303 , 745 , 497 , 215789
01:30:38 Focusing Completed
01:30:38 Focus time = 73 sec
01:30:46 Single Exp. HFD: 2.62 @ 12303 X: 747 Y: 496 Flux: 218291
01:30:51 Single Exp. HFD: 2.83 @ 12303 X: 745 Y: 495 Flux: 217364
01:30:57 Single Exp. HFD: 2.56 @ 12303 X: 746 Y: 495 Flux: 220054

01:31:02 Single Exp. HFD: 2.71 @ 12303 X: 746 Y: 496 Flux: 219923
01:31:07 Single Exp. HFD: 2.61 @ 12303 X: 746 Y: 496 Flux: 219153
02:15:33
02:15:33 System: c8_st8_pyxis_f10
02:15:33 ** Beginning Focus run **
02:15:33 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
02:15:33 Move direction: Out
02:15:33 Temperature = 616.0
02:15:33 Filter number = 0
02:15:33 Current position = 12303
02:15:34 Focus Start: 12244
02:15:48 Target star found at x = 769, Y = 510
02:15:48 Focus exposures will be 1.00 sec
02:15:55 Position , HFD , Mean Best Focus , X , Y , Flux
02:15:55 12244 , 21.85 , 0 , 771 , 511 , 230326
02:16:00 12260 , 16.39 , 0 , 771 , 514 , 223040
02:16:00 On correct side of focus
02:16:00 Move to Near Focus HFD
02:16:08 12277 , 10.22 , 0 , 771 , 515 , 217623
02:16:08 ** Starting Near Focus **
02:16:08 Position , HFD , Mean Best Focus , X , Y , Flux
02:16:08 12277 , 10.22 , 12304 , 771 , 515 , 217623
02:16:15 12277 , 9.44 , 12303 , 772 , 514 , 217738
02:16:19 12277 , 9.94 , 12303 , 771 , 514 , 217760
02:16:23 12277 , 9.82 , 12303 , 772 , 514 , 218103
02:16:30 12277 , 9.87 , 12303 , 772 , 513 , 220107
02:16:30 Best Focus is: 12303
02:16:38 12303 , 2.62 , 12303 , 772 , 513 , 224716
02:16:38 Focusing Completed
02:16:38 Focus time = 65 sec
02:16:47 Single Exp. HFD: 2.46 @ 12303 X: 773 Y: 512 Flux: 222325
02:16:52 Single Exp. HFD: 2.58 @ 12303 X: 772 Y: 512 Flux: 223222
02:16:57 Single Exp. HFD: 2.56 @ 12303 X: 770 Y: 512 Flux: 220793
02:17:02 Single Exp. HFD: 2.72 @ 12303 X: 771 Y: 511 Flux: 223039
02:17:07 Single Exp. HFD: 2.59 @ 12303 X: 770 Y: 511 Flux: 220009
02:52:58
02:52:58 System: c8_st8_pyxis_f10
02:52:58 ** Beginning Focus run **
02:52:58 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
02:52:58 Move direction: Out
02:52:58 Temperature = 612.0
02:52:58 Filter number = 0
02:52:58 Current position = 12303
02:52:59 Focus Start: 12244
02:53:14 Target star found at x = 760, Y = 509
02:53:14 Focus exposures will be 1.00 sec
02:53:21 Position , HFD , Mean Best Focus , X , Y , Flux
02:53:21 12244 , 21.52 , 0 , 760 , 511 , 226682
02:53:29 12259 , 16.71 , 0 , 761 , 514 , 235894
02:53:29 On correct side of focus
02:53:29 Move to Near Focus HFD
02:53:37 12277 , 9.86 , 0 , 762 , 515 , 227305
02:53:37 ** Starting Near Focus **
02:53:37 Position , HFD , Mean Best Focus , X , Y , Flux
02:53:37 12277 , 9.86 , 12303 , 762 , 515 , 227305
02:53:44 12277 , 9.60 , 12303 , 763 , 514 , 224441
02:53:48 12277 , 9.04 , 12302 , 763 , 514 , 223001
02:53:55 12277 , 9.34 , 12302 , 764 , 513 , 228610
02:53:58 12277 , 9.27 , 12302 , 765 , 513 , 221317
02:53:58 Best Focus is: 12302
02:54:07 12302 , 2.49 , 12302 , 765 , 512 , 215508
02:54:08 Focusing Completed
02:54:08 Focus time = 70 sec
02:54:16 Single Exp. HFD: 2.76 @ 12302 X: 766 Y: 512 Flux: 223499
02:54:21 Single Exp. HFD: 2.68 @ 12302 X: 766 Y: 511 Flux: 225205
02:54:26 Single Exp. HFD: 2.67 @ 12302 X: 767 Y: 511 Flux: 226134
02:54:31 Single Exp. HFD: 2.71 @ 12302 X: 767 Y: 510 Flux: 223968
02:54:36 Single Exp. HFD: 2.69 @ 12302 X: 767 Y: 511 Flux: 226377
03:33:08
03:33:08 System: c8_st8_pyxis_f10
03:33:08 ** Beginning Focus run **
03:33:08 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
03:33:08 Move direction: Out
03:33:08 Temperature = 611.0
03:33:08 Filter number = 0
03:33:08 Current position = 12302
03:33:08 Focus Start: 12244
03:33:23 Target star found at x = 763, Y = 515
03:33:23 Focus exposures will be 1.00 sec
03:33:30 Position , HFD , Mean Best Focus , X , Y , Flux
03:33:30 12244 , 20.22 , 0 , 762 , 516 , 228422
03:33:39 12258 , 15.83 , 0 , 762 , 519 , 226605
03:33:39 On correct side of focus
03:33:39 Move to Near Focus HFD
03:33:47 12274 , 9.80 , 0 , 762 , 520 , 226946
03:33:47 ** Starting Near Focus **
03:33:47 Position , HFD , Mean Best Focus , X , Y , Flux
03:33:47 12274 , 9.80 , 12300 , 762 , 520 , 226946
03:33:54 12274 , 9.85 , 12300 , 764 , 519 , 224171
03:34:01 12274 , 10.03 , 12300 , 765 , 518 , 219514

03:34:08 12274 , 9.96 , 12300 , 765 , 518 , 226390
03:34:14 12274 , 9.28 , 12300 , 765 , 518 , 222330
03:34:14 Best Focus is: 12300
03:34:23 12300 , 2.79 , 12300 , 765 , 519 , 226171
03:34:24 Focusing Completed
03:34:24 Focus time = 76 sec
03:34:32 Single Exp. HFD: 2.65 @ 12300 X: 766 Y: 517 Flux: 226297
03:34:37 Single Exp. HFD: 2.82 @ 12300 X: 767 Y: 517 Flux: 227192
03:34:42 Single Exp. HFD: 2.72 @ 12300 X: 767 Y: 517 Flux: 224130
03:34:47 Single Exp. HFD: 2.73 @ 12300 X: 768 Y: 516 Flux: 222287
03:34:52 Single Exp. HFD: 2.78 @ 12300 X: 768 Y: 516 Flux: 228022
04:08:27
04:08:27 System: c8_st8_pyxis_f10
04:08:27 ** Beginning Focus run **
04:08:27 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
04:08:27 Move direction: Out
04:08:27 Temperature = 610.0
04:08:27 Filter number = 0
04:08:27 Current position = 12300
04:08:27 Focus Start: 12244
04:08:42 Target star found at x = 760, Y = 498
04:08:42 Focus exposures will be 1.00 sec
04:08:49 Position , HFD , Mean Best Focus , X , Y , Flux
04:08:49 12244 , 23.58 , 0 , 761 , 497 , 230083
04:08:54 12262 , 16.66 , 0 , 761 , 495 , 231879
04:08:54 On correct side of focus
04:08:54 Move to Near Focus HFD
04:09:02 12280 , 9.70 , 0 , 761 , 492 , 226748
04:09:02 ** Starting Near Focus **
04:09:02 Position , HFD , Mean Best Focus , X , Y , Flux
04:09:02 12280 , 9.70 , 12305 , 761 , 492 , 226748
04:09:09 12280 , 9.85 , 12306 , 761 , 492 , 225990
04:09:13 12280 , 10.30 , 12306 , 761 , 493 , 229257
04:09:17 12280 , 9.12 , 12306 , 762 , 492 , 219519
04:09:20 12280 , 10.09 , 12306 , 761 , 492 , 228754
04:09:20 Best Focus is: 12306
04:09:29 12306 , 2.94 , 12306 , 762 , 491 , 228482
04:09:30 Focusing Completed
04:09:30 Focus time = 63 sec
04:09:38 Single Exp. HFD: 2.85 @ 12306 X: 762 Y: 491 Flux: 224133
04:09:43 Single Exp. HFD: 3.07 @ 12306 X: 762 Y: 490 Flux: 228731
04:09:48 Single Exp. HFD: 2.83 @ 12306 X: 761 Y: 491 Flux: 226165
04:09:54 Single Exp. HFD: 3.01 @ 12306 X: 762 Y: 490 Flux: 231260
04:09:58 Single Exp. HFD: 3.05 @ 12306 X: 762 Y: 490 Flux: 226787
04:45:02
04:45:02 System: c8_st8_pyxis_f10
04:45:02 ** Beginning Focus run **
04:45:02 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
04:45:03 Move direction: Out
04:45:03 Temperature = 608.0
04:45:03 Filter number = 0
04:45:03 Current position = 12306
04:45:03 Focus Start: 12244
04:45:19 Target star found at x = 753, Y = 514
04:45:19 Focus exposures will be 1.00 sec
04:45:26 Position , HFD , Mean Best Focus , X , Y , Flux
04:45:26 12244 , 22.87 , 0 , 755 , 514 , 225682
04:45:34 12261 , 16.88 , 0 , 757 , 512 , 229734
04:45:34 On correct side of focus
04:45:34 Move to Near Focus HFD
04:45:43 12279 , 10.08 , 0 , 758 , 510 , 222998
04:45:43 ** Starting Near Focus **
04:45:43 Position , HFD , Mean Best Focus , X , Y , Flux
04:45:43 12279 , 10.08 , 12305 , 758 , 510 , 222998
04:45:49 12279 , 10.04 , 12305 , 759 , 511 , 224356
04:45:53 12279 , 9.90 , 12305 , 761 , 510 , 223936
04:45:57 12279 , 9.78 , 12305 , 760 , 511 , 222358
04:46:04 12279 , 10.14 , 12305 , 760 , 511 , 223655
04:46:04 Best Focus is: 12305
04:46:12 12305 , 2.97 , 12305 , 761 , 510 , 225869
04:46:13 Focusing Completed
04:46:13 Focus time = 70 sec
04:46:21 Single Exp. HFD: 2.91 @ 12305 X: 762 Y: 510 Flux: 221016
04:46:26 Single Exp. HFD: 2.86 @ 12305 X: 762 Y: 510 Flux: 225869
04:46:31 Single Exp. HFD: 3.10 @ 12305 X: 762 Y: 511 Flux: 222792
04:46:36 Single Exp. HFD: 3.09 @ 12305 X: 762 Y: 512 Flux: 224037
04:46:41 Single Exp. HFD: 3.11 @ 12305 X: 763 Y: 510 Flux: 221584
05:27:20
05:27:20 System: c8_st8_pyxis_f10
05:27:20 ** Beginning Focus run **
05:27:20 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
05:27:20 Move direction: Out
05:27:20 Temperature = 608.0
05:27:20 Filter number = 0
05:27:20 Current position = 12305
05:27:21 Focus Start: 12244
05:27:36 Target star found at x = 765, Y = 517
05:27:36 Focus exposures will be 1.00 sec
05:27:43 Position , HFD , Mean Best Focus , X , Y , Flux
05:27:43 12244 , 23.71 , 0 , 765 , 518 , 226917

05:27:51 12262 , 17.05 , 0 , 766 , 515 , 226886
05:27:51 On correct side of focus
05:27:51 Move to Near Focus HFD
05:27:59 12281 , 10.22 , 0 , 766 , 514 , 216212
05:27:59 ** Starting Near Focus **
05:27:59 Position , HFD , Mean Best Focus , X , Y , Flux
05:27:59 12281 , 10.22 , 12308 , 766 , 514 , 216212
05:28:06 12281 , 9.96 , 12308 , 766 , 515 , 223022
05:28:13 12281 , 9.86 , 12307 , 767 , 515 , 222816
05:28:17 12281 , 9.52 , 12307 , 768 , 514 , 218355
05:28:24 12281 , 9.78 , 12307 , 767 , 515 , 222110
05:28:24 Best Focus is: 12307
05:28:32 12307 , 2.78 , 12307 , 767 , 515 , 219625
05:28:33 Focusing Completed
05:28:33 Focus time = 73 sec
05:28:41 Single Exp. HFD: 2.89 @ 12307 X: 767 Y: 516 Flux: 226150
05:28:46 Single Exp. HFD: 2.99 @ 12307 X: 768 Y: 515 Flux: 219472
05:28:51 Single Exp. HFD: 2.95 @ 12307 X: 767 Y: 515 Flux: 222397
05:28:57 Single Exp. HFD: 2.87 @ 12307 X: 768 Y: 515 Flux: 221670
05:29:02 Single Exp. HFD: 2.74 @ 12307 X: 768 Y: 515 Flux: 221367
06:04:43
06:04:43 System: c8_st8_pyxis_f10
06:04:43 ** Beginning Focus run **
06:04:43 LS: -0.374183 RS: 0.373880 PID: 0.92 NFHFD: 10
06:04:43 Move direction: Out
06:04:43 Temperature = 608.0
06:04:43 Filter number = 0
06:04:43 Current position = 12307
06:04:43 Focus Start: 12244
06:04:58 Target star found at X = 759, Y = 512
06:04:58 Focus exposures will be 1.00 sec
06:05:06 Position , HFD , Mean Best Focus , X , Y , Flux
06:05:06 12244 , 23.55 , 0 , 760 , 513 , 226180
06:05:14 12262 , 16.73 , 0 , 761 , 510 , 217591
06:05:14 On correct side of focus
06:05:14 Move to Near Focus HFD
06:05:22 12280 , 10.39 , 0 , 761 , 509 , 219351
06:05:22 ** Starting Near Focus **
06:05:22 Position , HFD , Mean Best Focus , X , Y , Flux
06:05:22 12280 , 10.39 , 12307 , 761 , 509 , 219351
06:05:28 12280 , 10.25 , 12307 , 761 , 510 , 217860
06:05:35 12280 , 9.76 , 12307 , 761 , 510 , 220338
06:05:39 12280 , 10.11 , 12307 , 761 , 510 , 220980
06:05:43 12280 , 10.19 , 12307 , 762 , 511 , 221839
06:05:43 Best Focus is: 12307
06:05:51 12307 , 2.86 , 12307 , 762 , 511 , 217313
06:05:51 Focusing Completed
06:05:51 Focus time = 68 sec
06:05:59 Single Exp. HFD: 2.81 @ 12307 X: 763 Y: 511 Flux: 220032
06:06:04 Single Exp. HFD: 2.82 @ 12307 X: 763 Y: 511 Flux: 214672
06:06:09 Single Exp. HFD: 2.83 @ 12307 X: 763 Y: 511 Flux: 211362
06:06:14 Single Exp. HFD: 2.80 @ 12307 X: 763 Y: 511 Flux: 218308
06:06:20 Single Exp. HFD: 2.78 @ 12307 X: 763 Y: 511 Flux: 213488