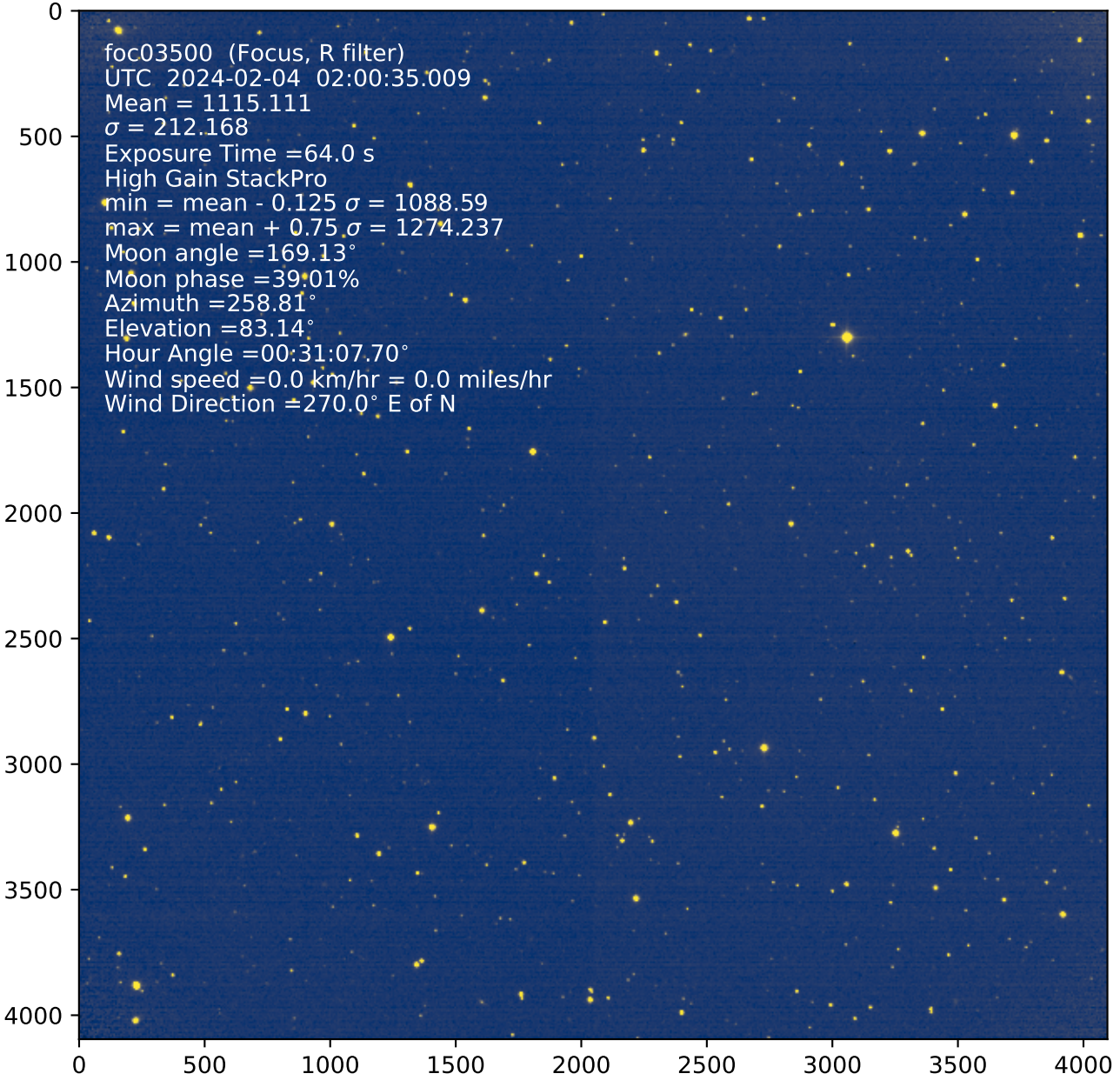
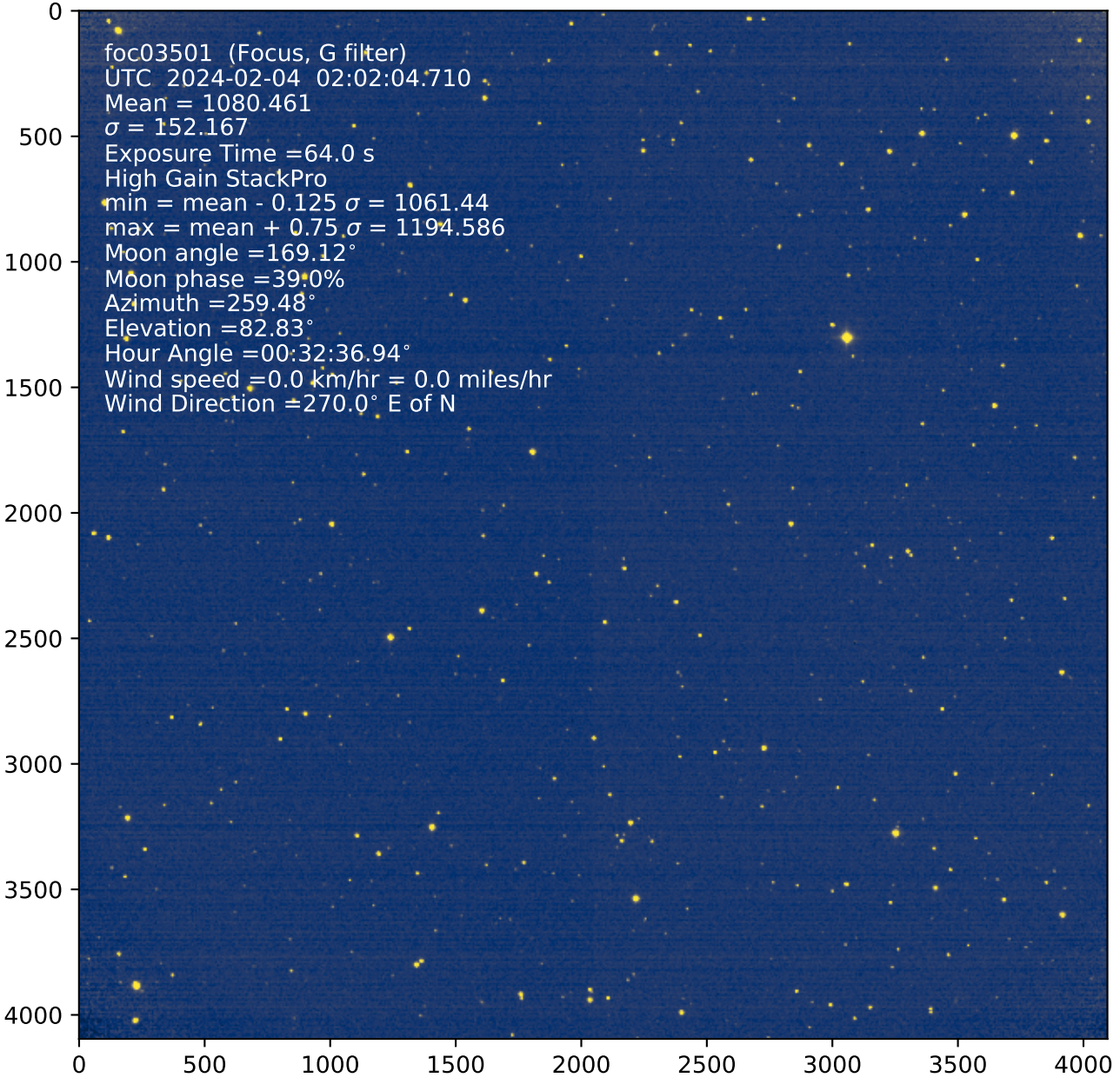
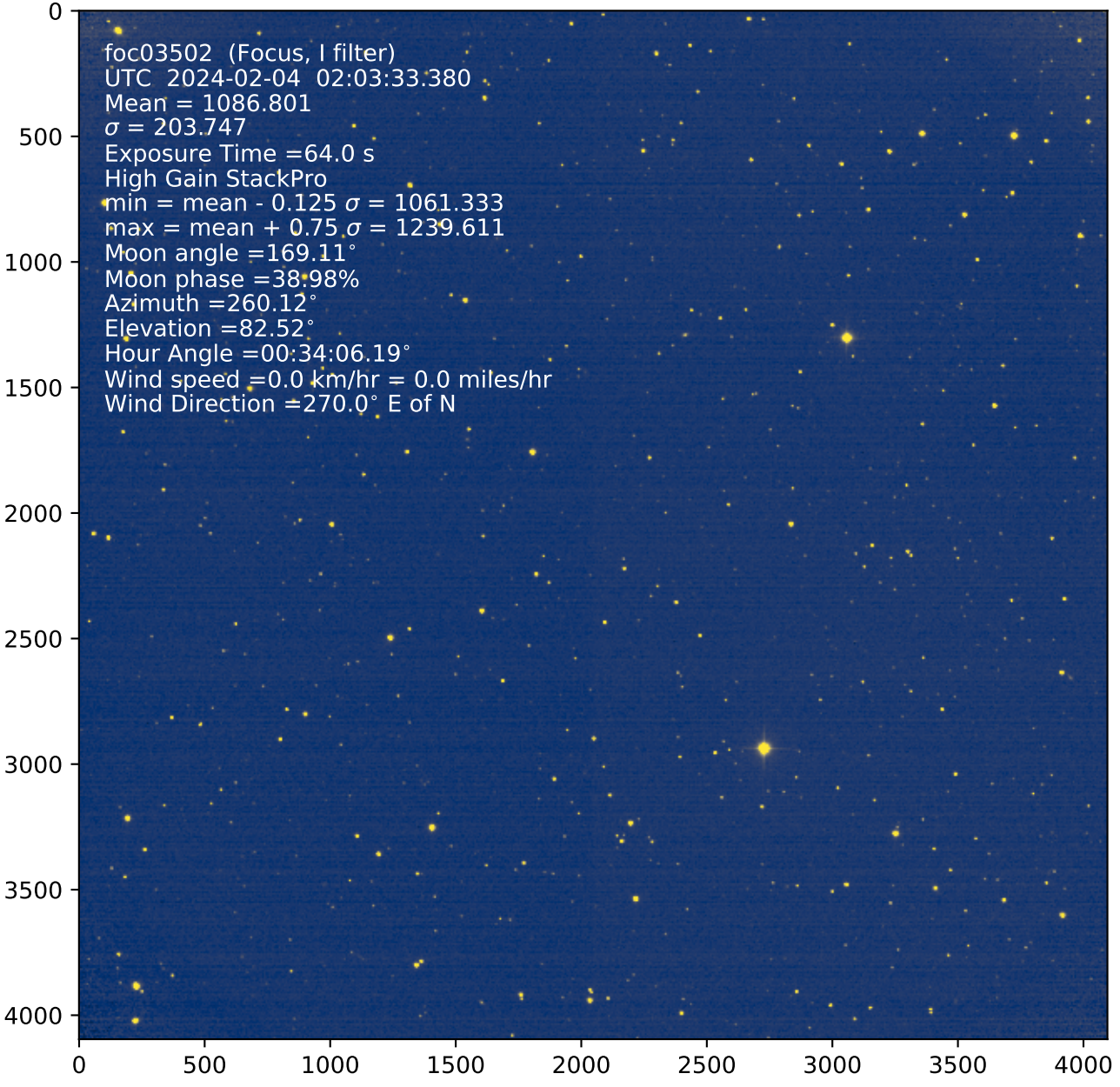
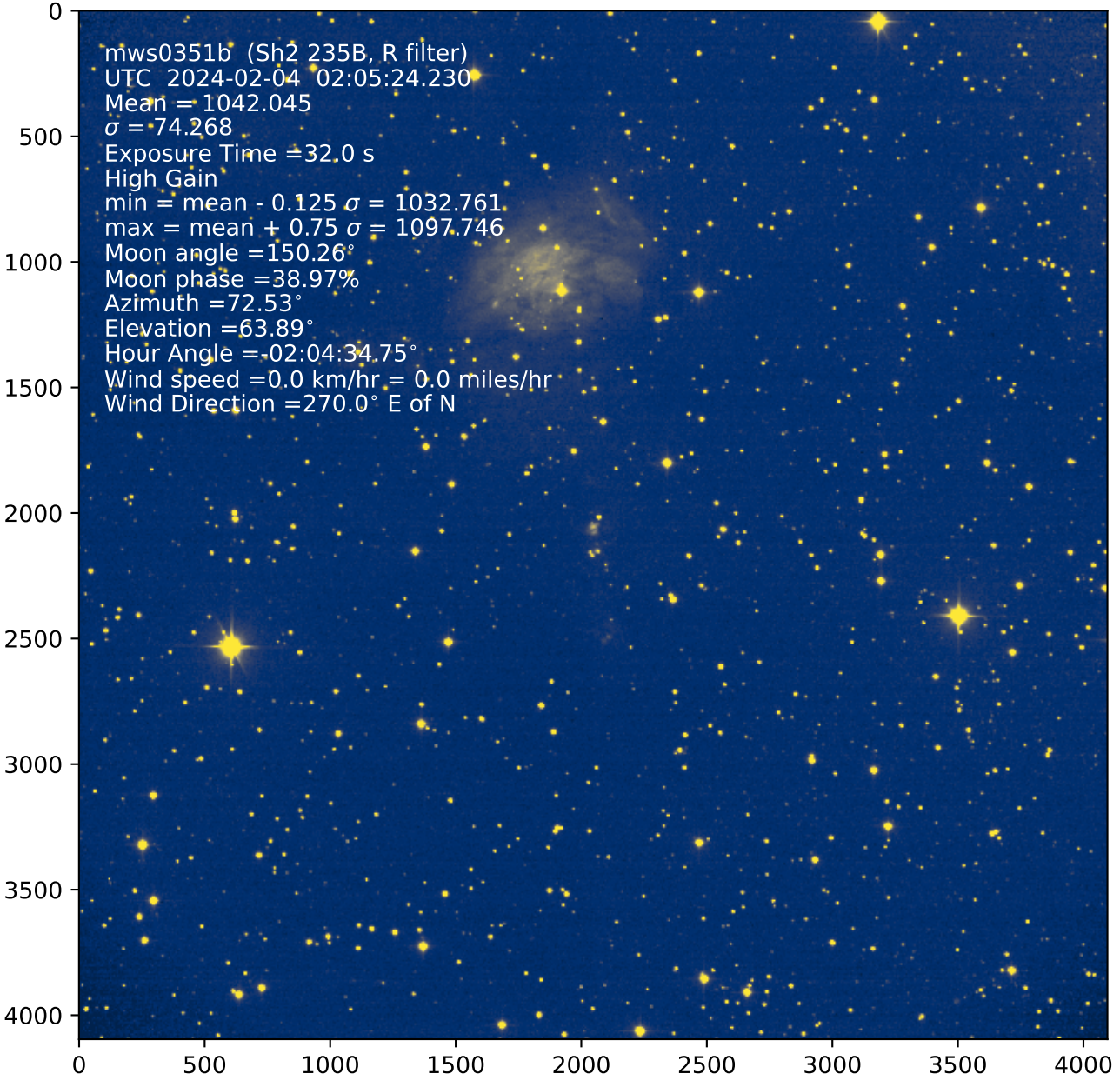
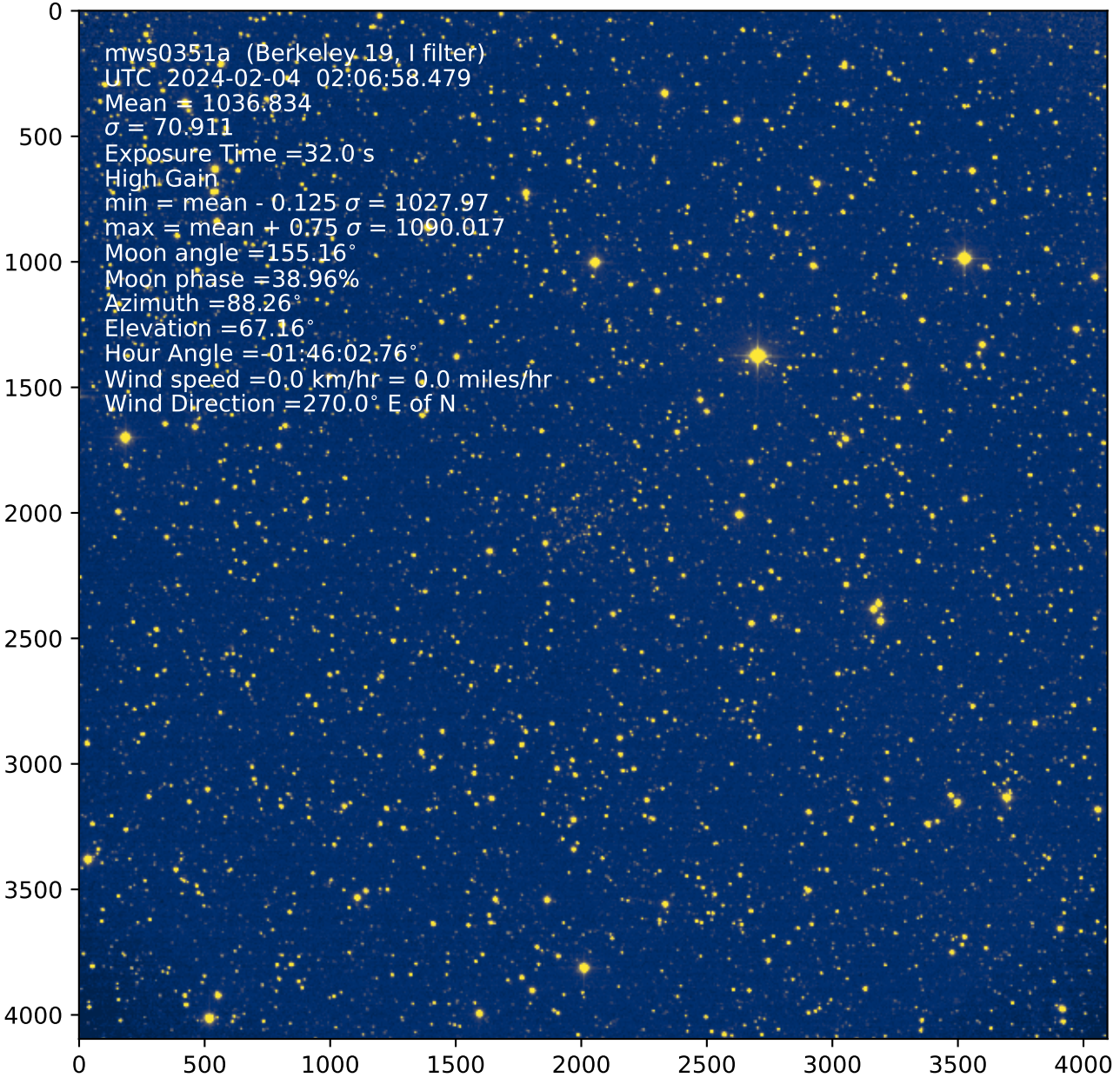
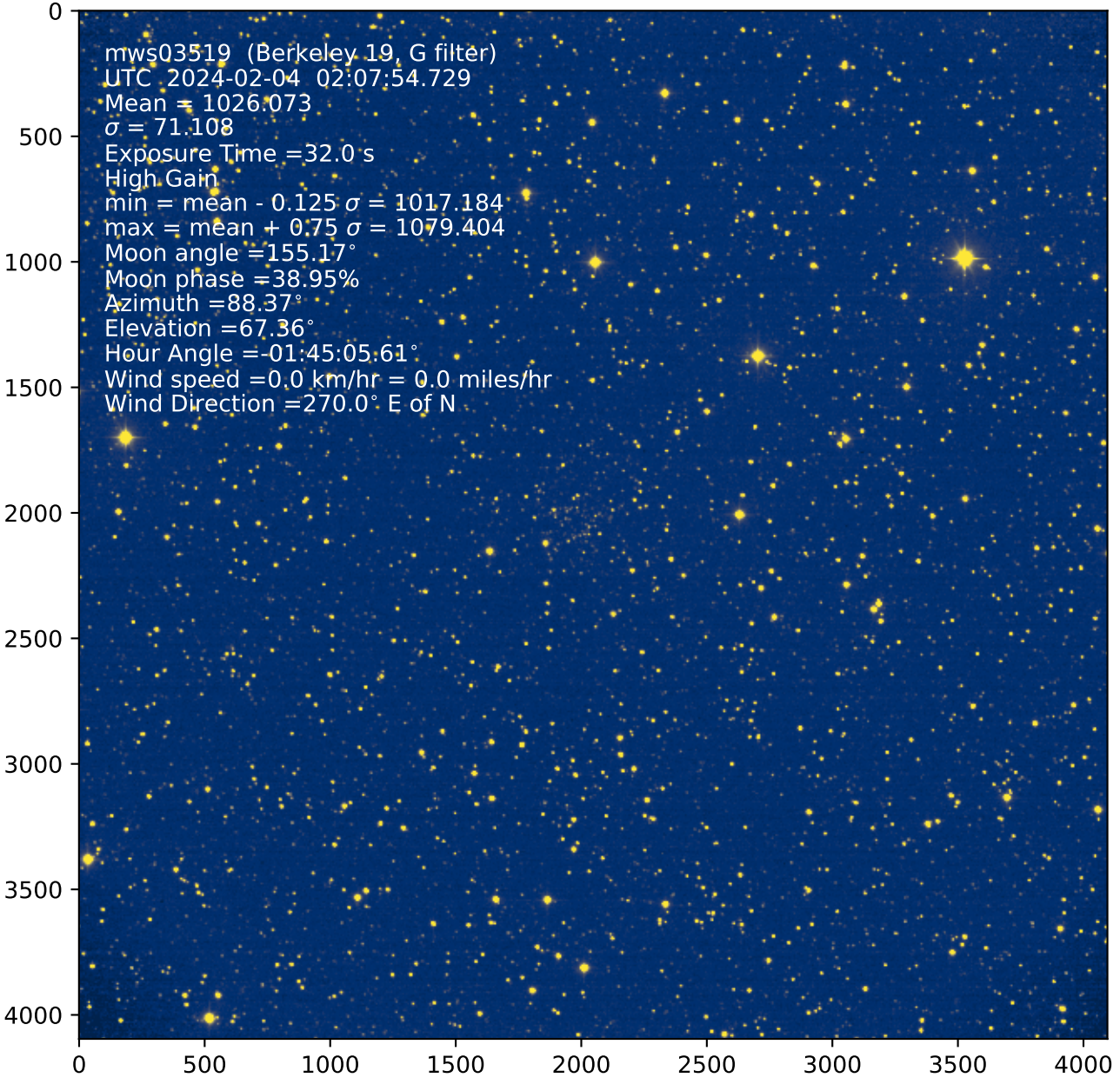

foc03500 (Focus, R filter)
UTC 2024-02-04 02:00:35.009
Mean = 1115.111
σ = 212.168
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1088.59
max = mean + 0.75 σ = 1274.237
Moon angle =169.13°
Moon phase =39.01%
Azimuth =258.81°
Elevation =83.14°
Hour Angle =00:31:07.70°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

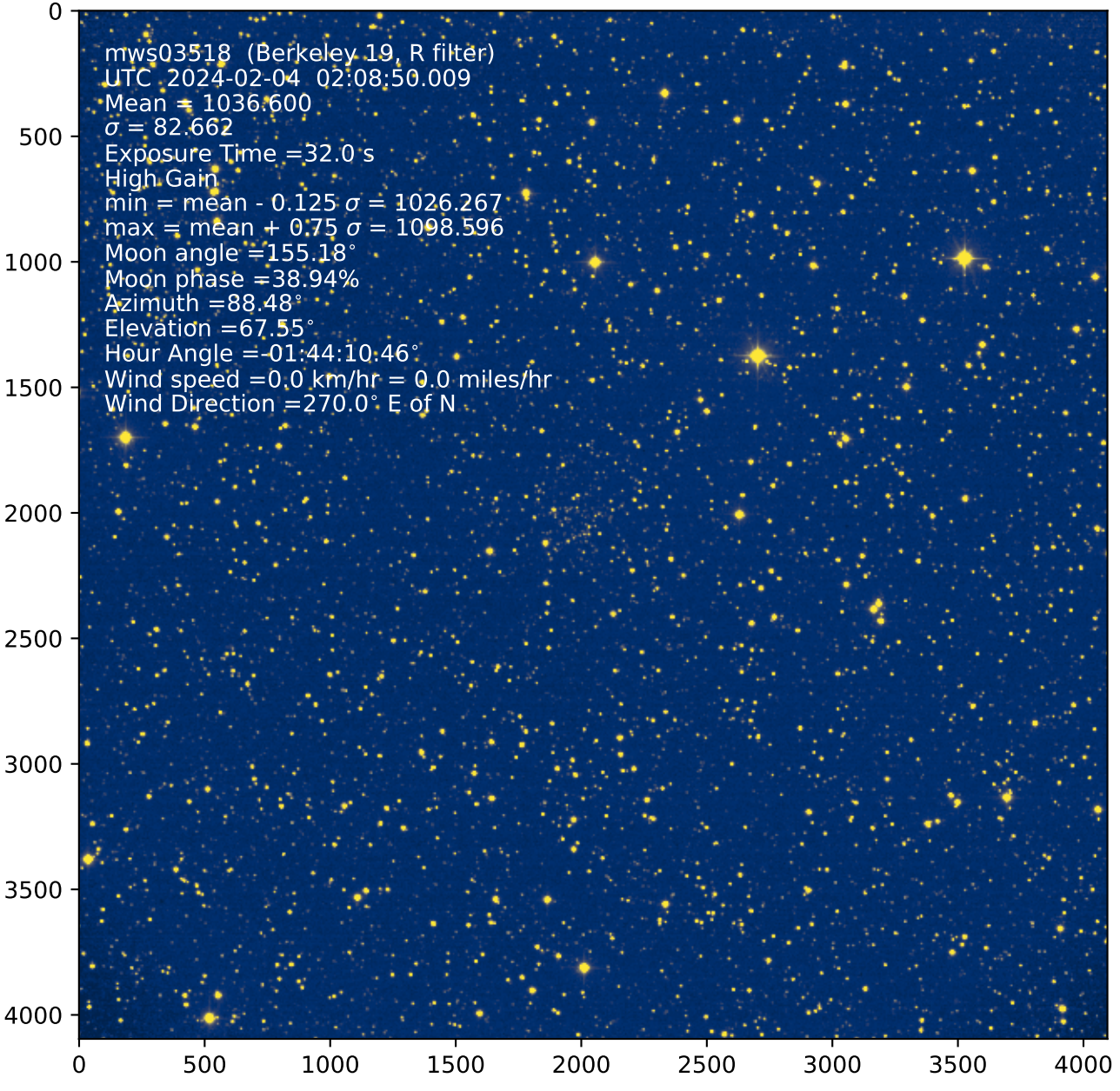

foc03501 (Focus, G filter)
UTC 2024-02-04 02:02:04.710
Mean = 1080.461
σ = 152.167
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1061.44
max = mean + 0.75 σ = 1194.586
Moon angle =169.12°
Moon phase =39.0%
Azimuth =259.48°
Elevation =82.83°
Hour Angle =00:32:36.94°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

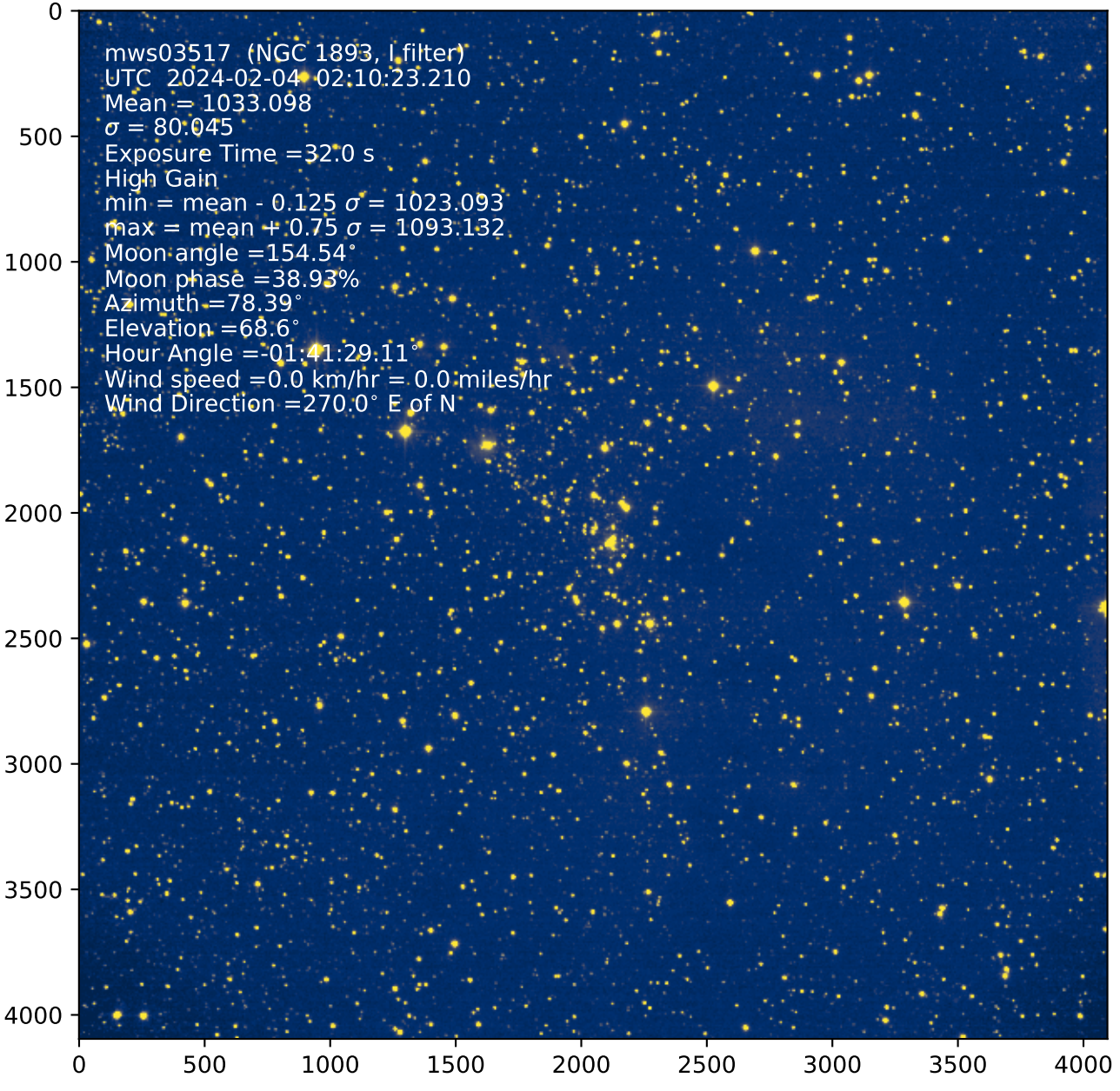

foc03502 (Focus, I filter)
UTC 2024-02-04 02:03:33.380
Mean = 1086.801
σ = 203.747
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1061.333
max = mean + 0.75 σ = 1239.611
Moon angle =169.11°
Moon phase =38.98%
Azimuth =260.12°
Elevation =82.52°
Hour Angle =00:34:06.19°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

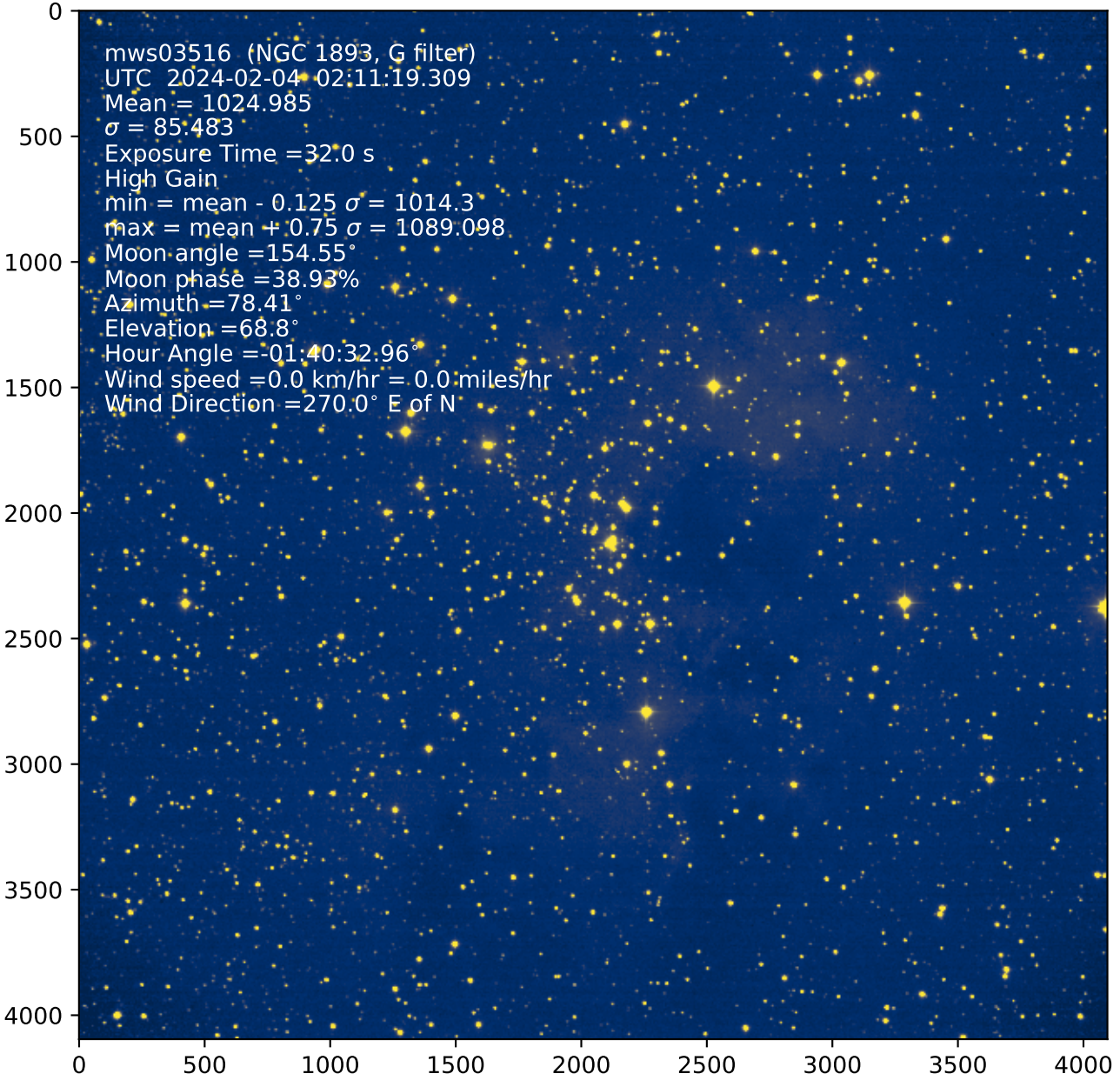

mws0351b (Sh2 235B, R filter)
UTC 2024-02-04 02:05:24.230
Mean = 1042.045
σ = 74.268
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1032.761
max = mean + 0.75 σ = 1097.746
Moon angle =150.26°
Moon phase =38.97%
Azimuth =72.53°
Elevation =63.89°
Hour Angle =-02:04:34.75°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

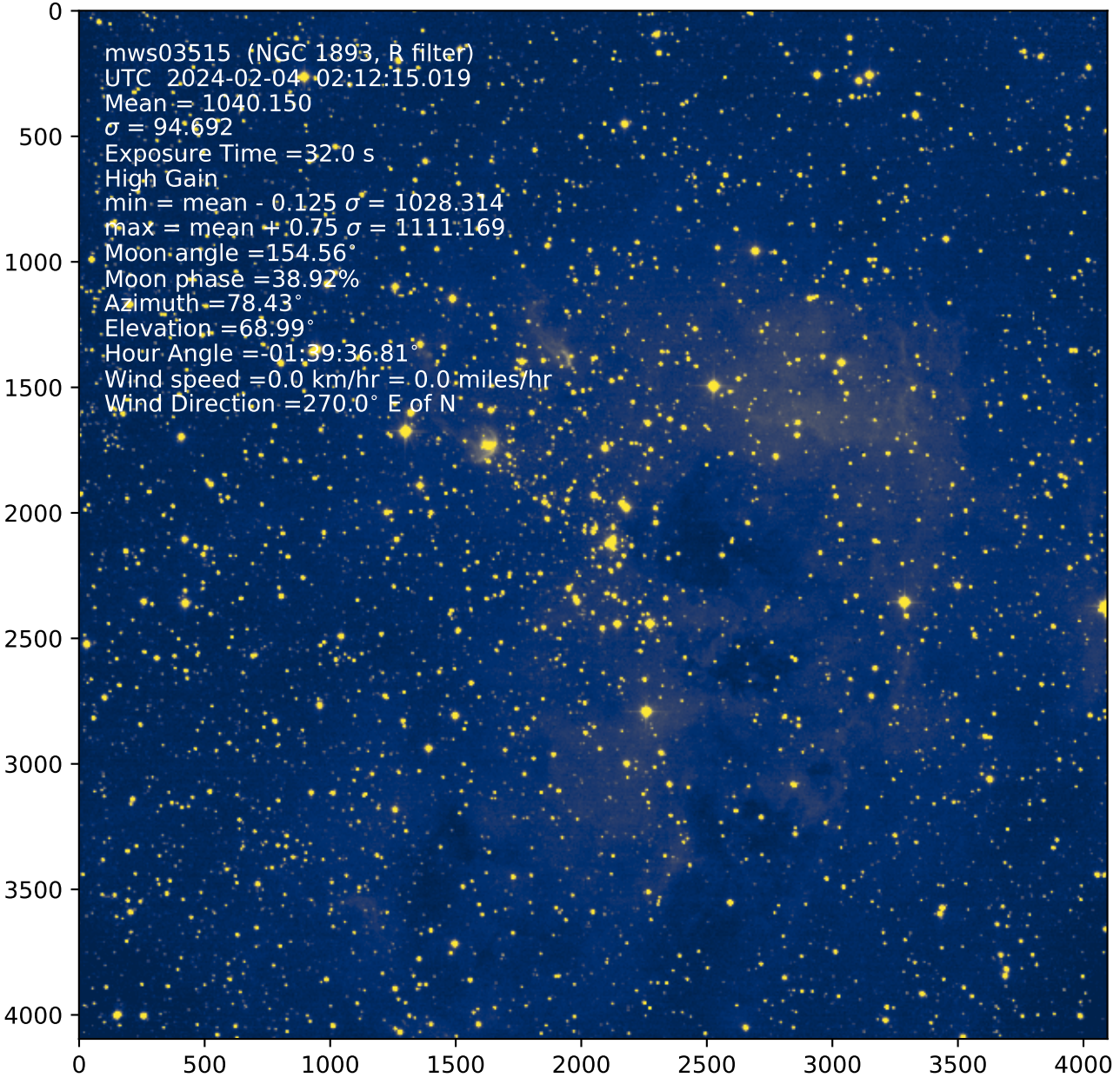

mws0351a (Berkeley 19, I filter)
UTC 2024-02-04 02:06:58.479
Mean = 1036.834
σ = 70.911
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1027.97
max = mean + 0.75 σ = 1090.017
Moon angle =155.16°
Moon phase =38.96%
Azimuth =88.26°
Elevation =67.16°
Hour Angle =-01:46:02.76°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

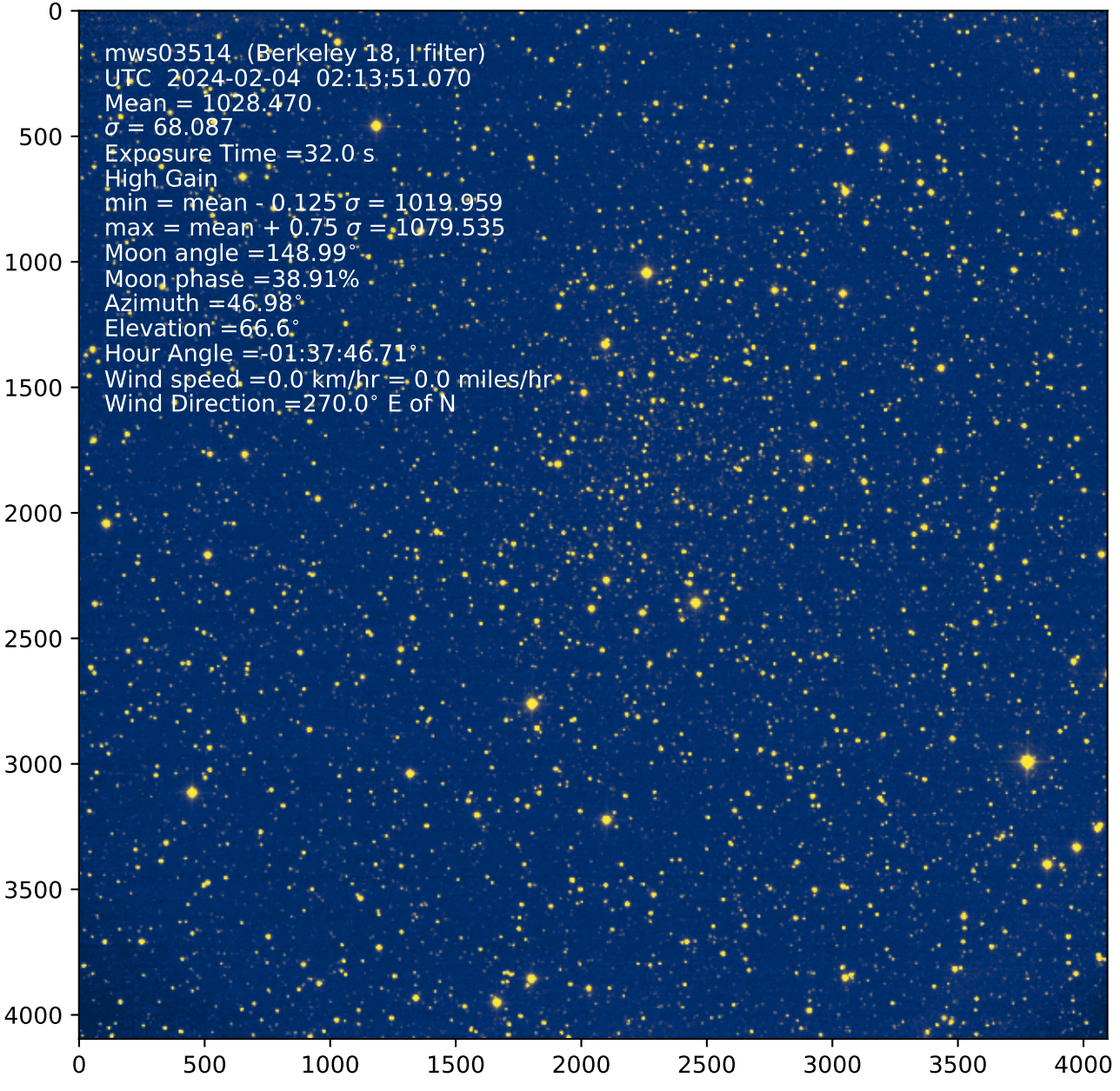

mws03519 (Berkeley 19, G filter)
UTC 2024-02-04 02:07:54.729
Mean = 1026.073
σ = 71.108
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1017.184
max = mean + 0.75 σ = 1079.404
Moon angle =155.17°
Moon phase =38.95%
Azimuth =88.37°
Elevation =67.36°
Hour Angle =-01:45:05.61°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

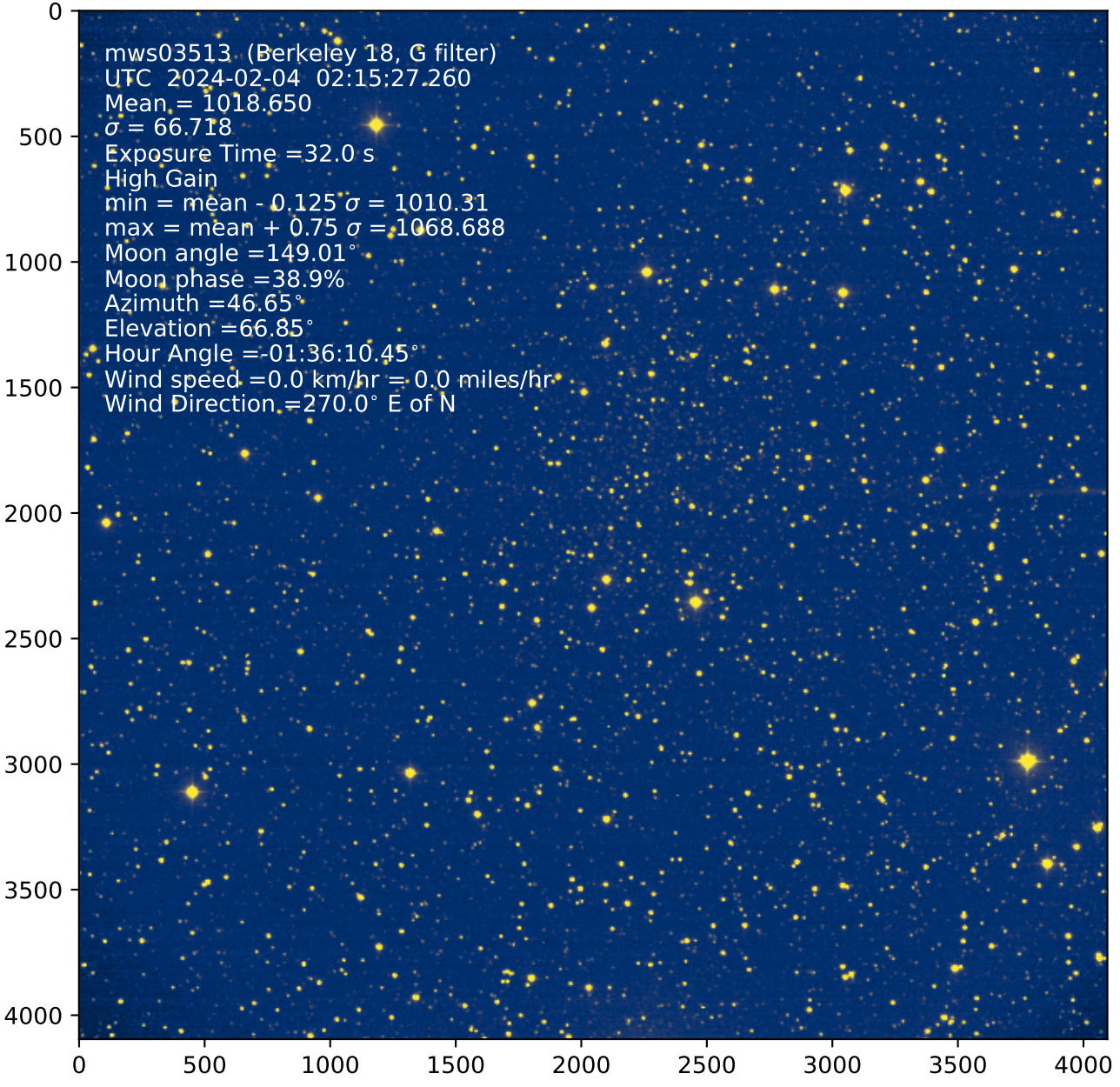

mws03518 (Berkeley 19, R filter)
UTC 2024-02-04 02:08:50.009
Mean = 1036.600
σ = 82.662
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1026.267
max = mean + 0.75 σ = 1098.596
Moon angle =155.18°
Moon phase =38.94%
Azimuth =88.48°
Elevation =67.55°
Hour Angle =-01:44:10.46°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

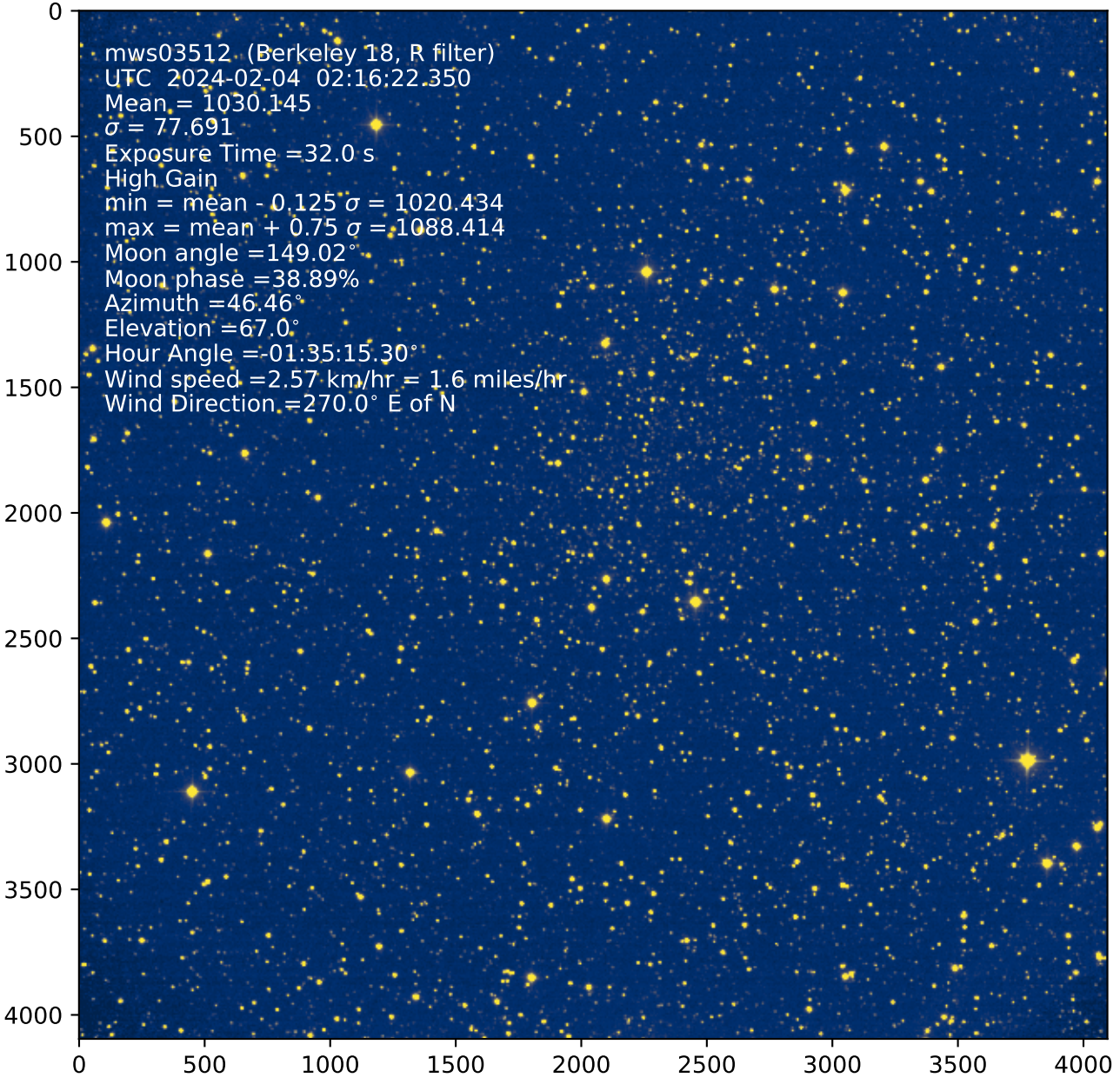

mws03517 (NGC 1893, I filter)
UTC 2024-02-04 02:10:23.210
Mean = 1033.098
σ = 80.045
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.093
max = mean + 0.75 σ = 1093.132
Moon angle =154.54˚
Moon phase =38.93%
Azimuth =78.39˚
Elevation =68.6˚
Hour Angle =-01:41:29.11˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

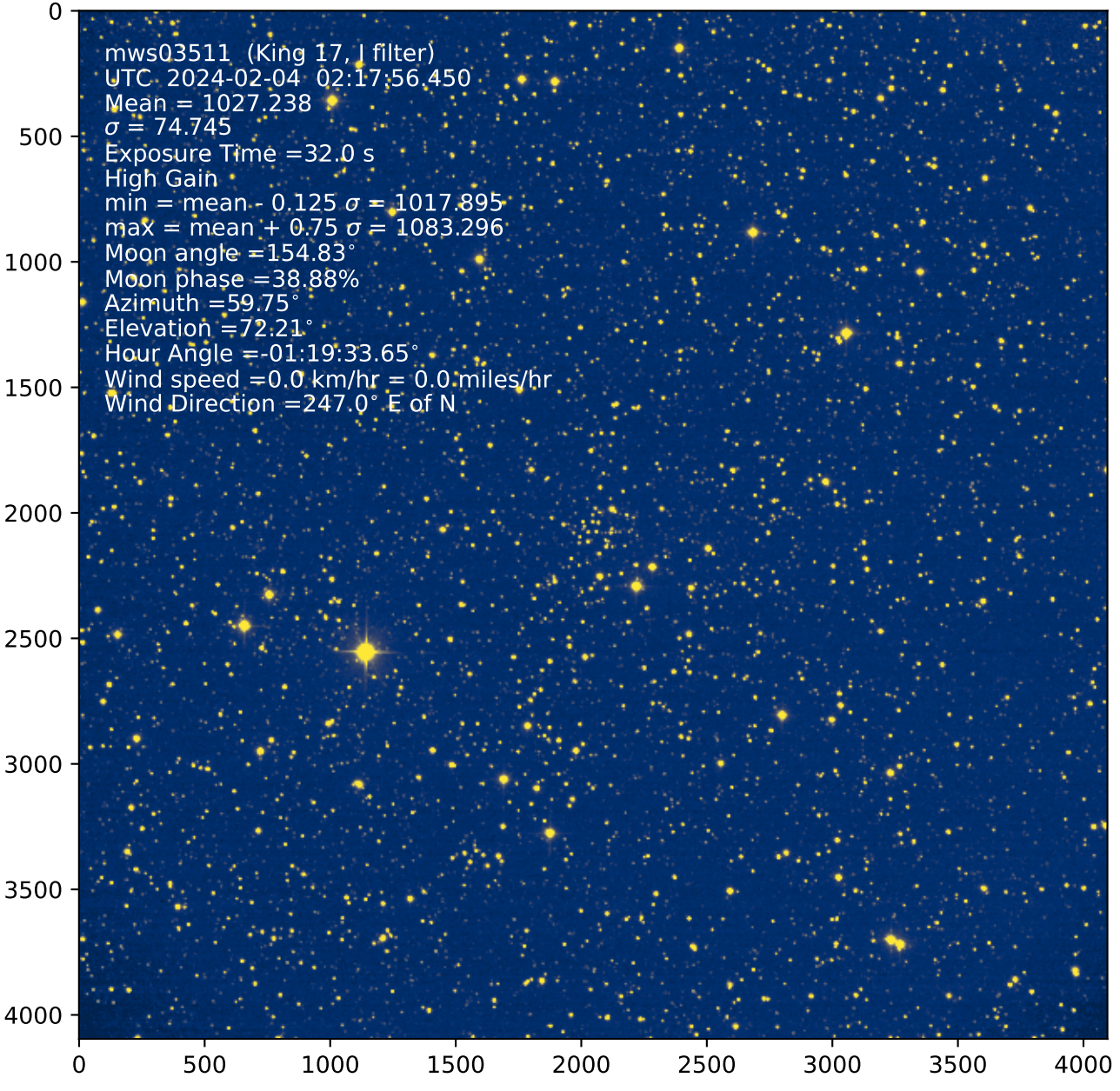

mws03516 (NGC 1893, G filter)
UTC 2024-02-04 02:11:19.309
Mean = 1024.985
σ = 85.483
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1014.3
max = mean + 0.75 σ = 1089.098
Moon angle =154.55°
Moon phase =38.93%
Azimuth =78.41°
Elevation =68.8°
Hour Angle =-01:40:32.96°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

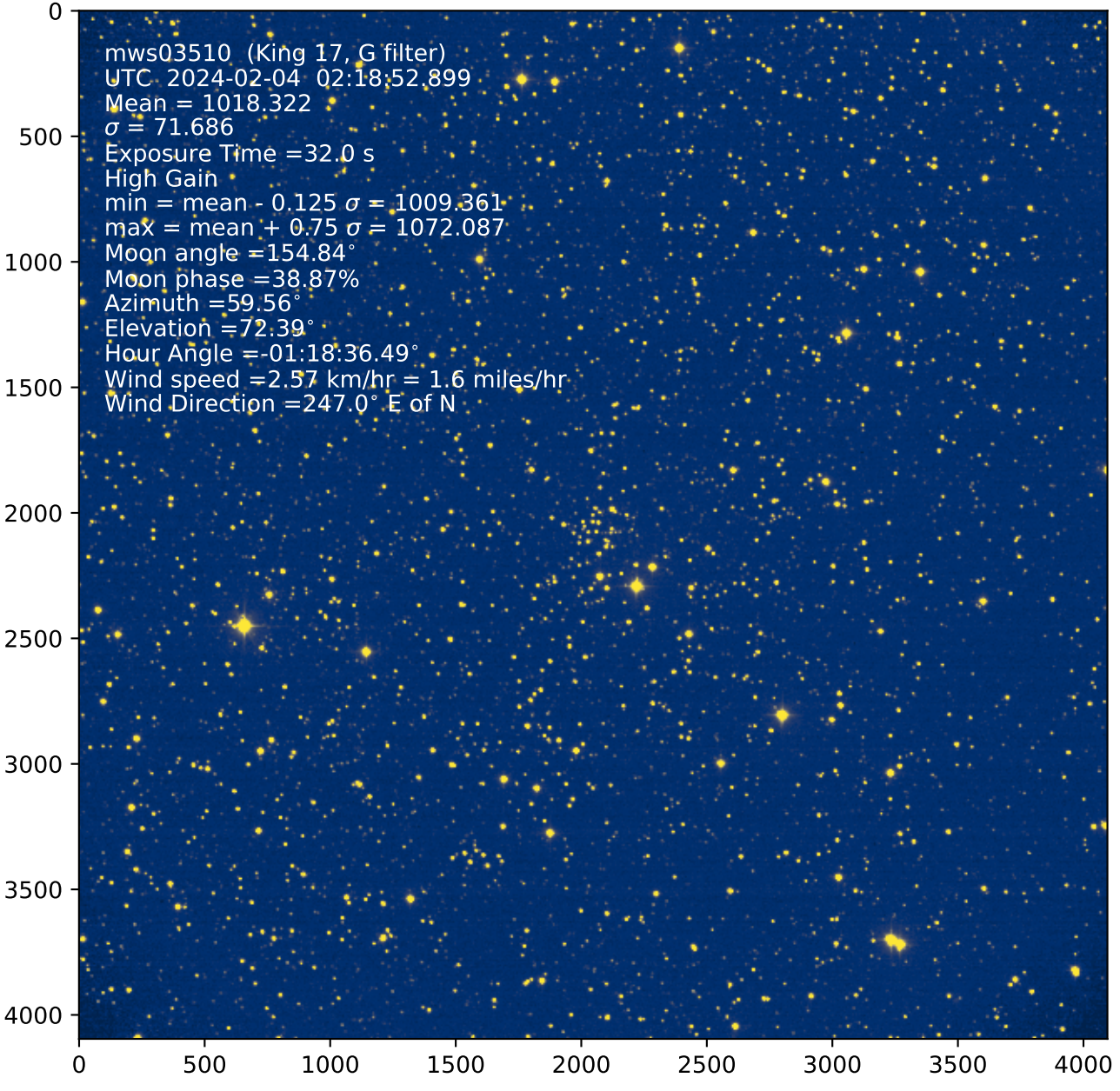

mws03515 (NGC 1893, R filter)
UTC 2024-02-04 02:12:15.019
Mean = 1040.150
σ = 94.692
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1028.314
max = mean + 0.75 σ = 1111.169
Moon angle =154.56°
Moon phase =38.92%
Azimuth =78.43°
Elevation =68.99°
Hour Angle =-01:39:36.81°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

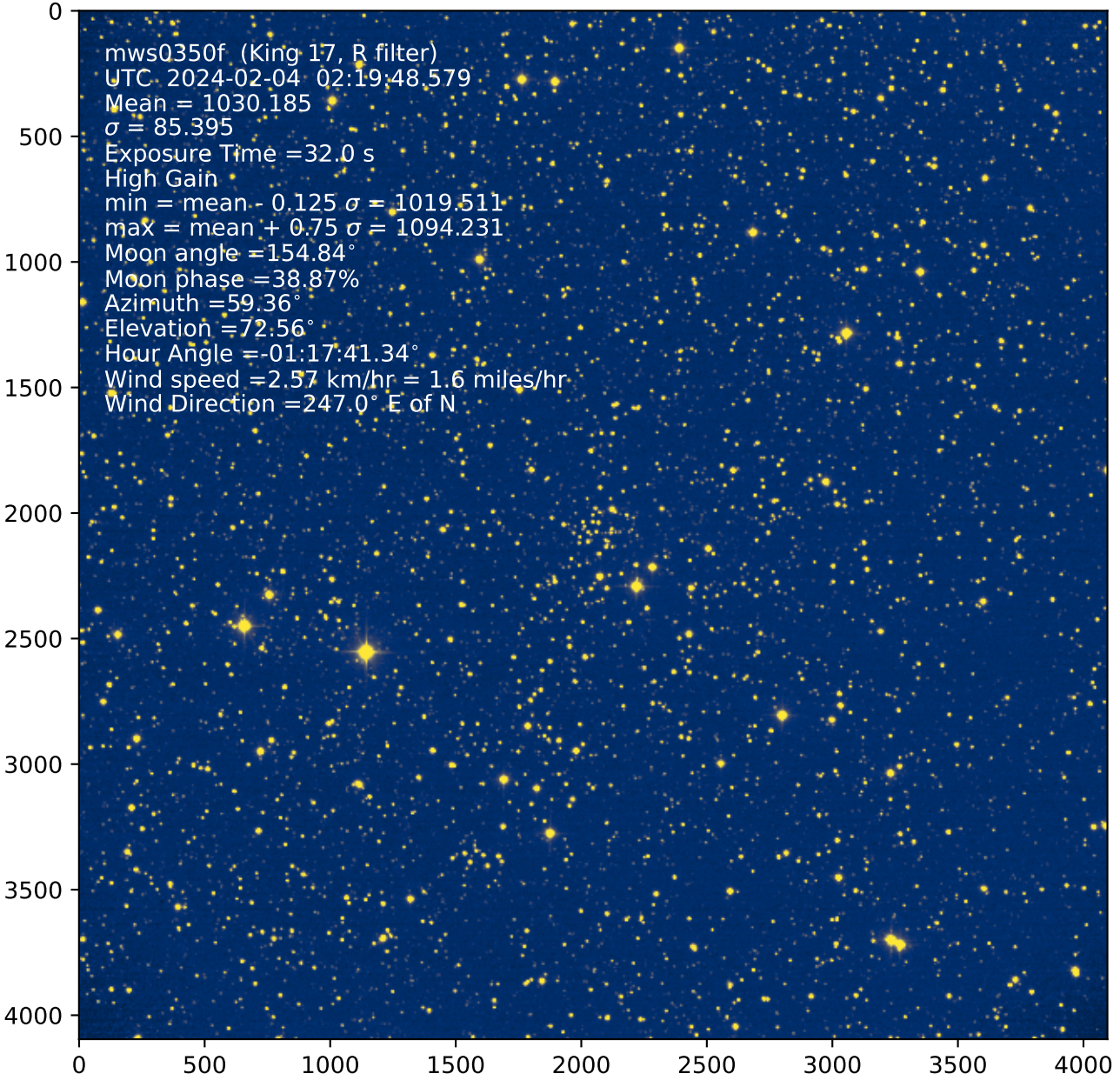

mws03514 (Berkeley 18, I filter)
UTC 2024-02-04 02:13:51.070
Mean = 1028.470
σ = 68.087
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.959
max = mean + 0.75 σ = 1079.535
Moon angle =148.99°
Moon phase =38.91%
Azimuth =46.98°
Elevation =66.6°
Hour Angle =-01:37:46.71°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

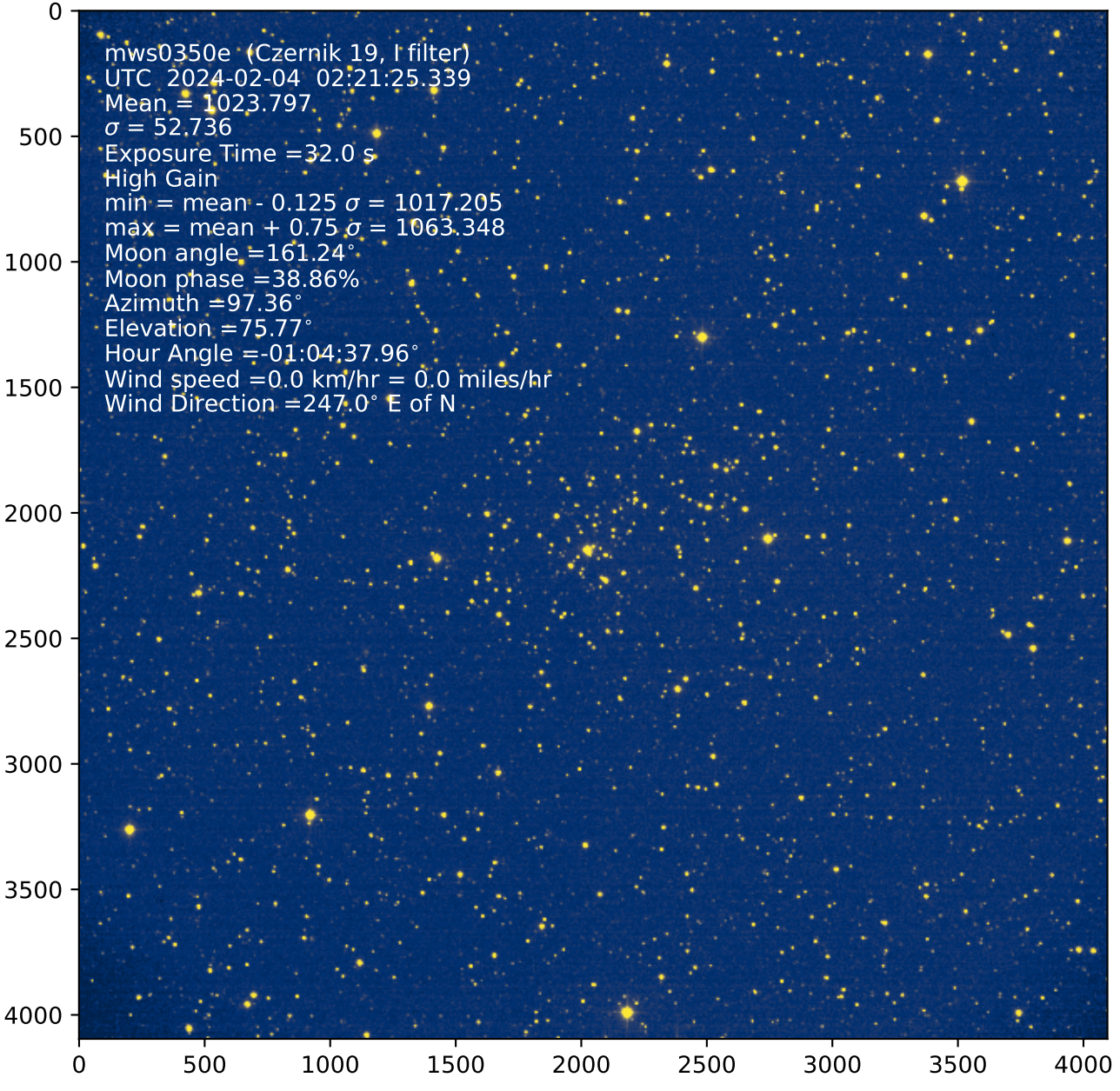

mws03513 (Berkeley 18, G filter)
UTC 2024-02-04 02:15:27.260
Mean = 1018.650
σ = 66.718
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1010.31
max = mean + 0.75 σ = 1068.688
Moon angle =149.01°
Moon phase =38.9%
Azimuth =46.65°
Elevation =66.85°
Hour Angle =-01:36:10.45°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

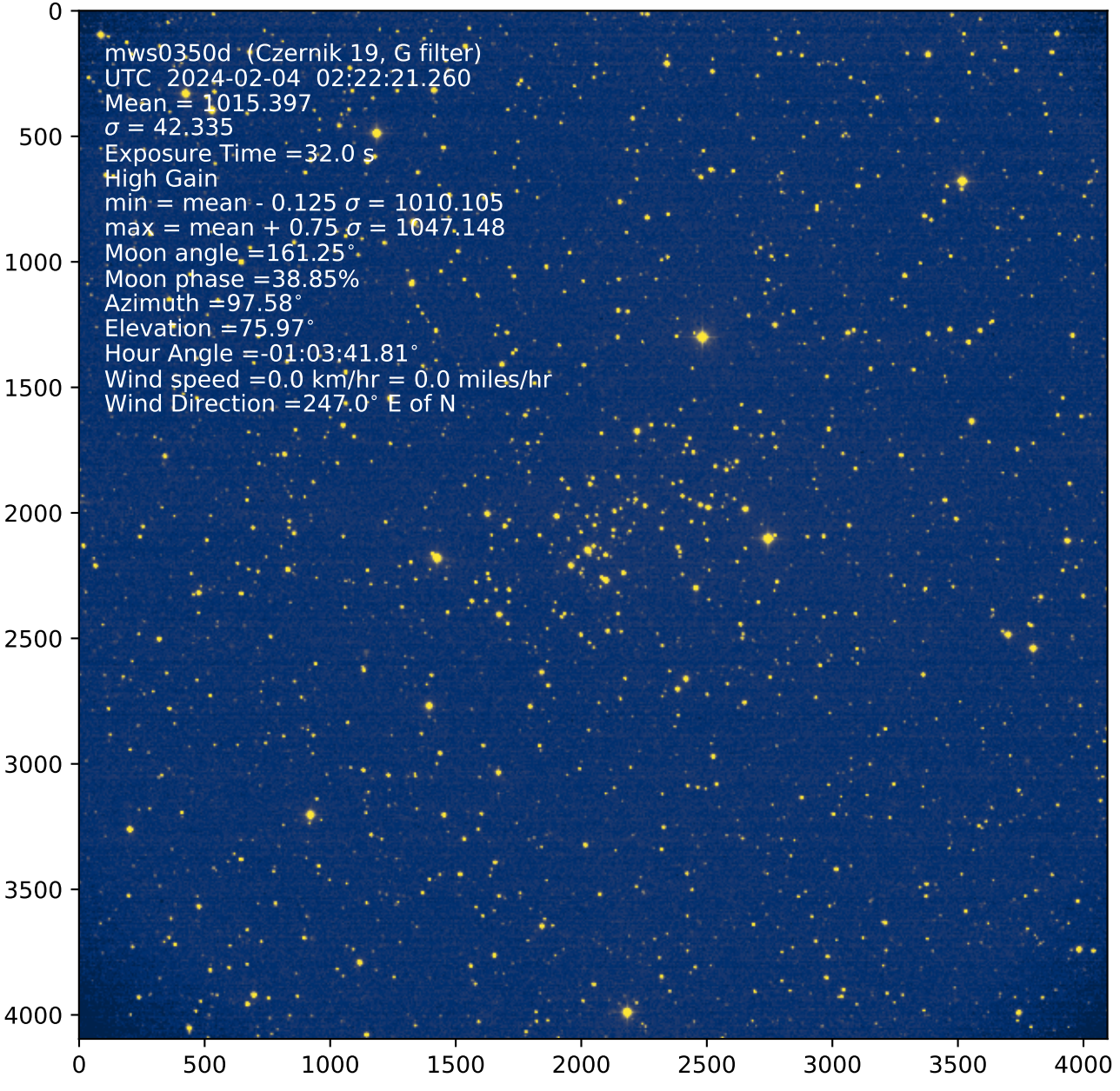

mws03512 (Berkeley 18, R filter)
UTC 2024-02-04 02:16:22.350
Mean = 1030.145
σ = 77.691
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.434
max = mean + 0.75 σ = 1088.414
Moon angle =149.02°
Moon phase =38.89%
Azimuth =46.46°
Elevation =67.0°
Hour Angle =-01:35:15.30°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

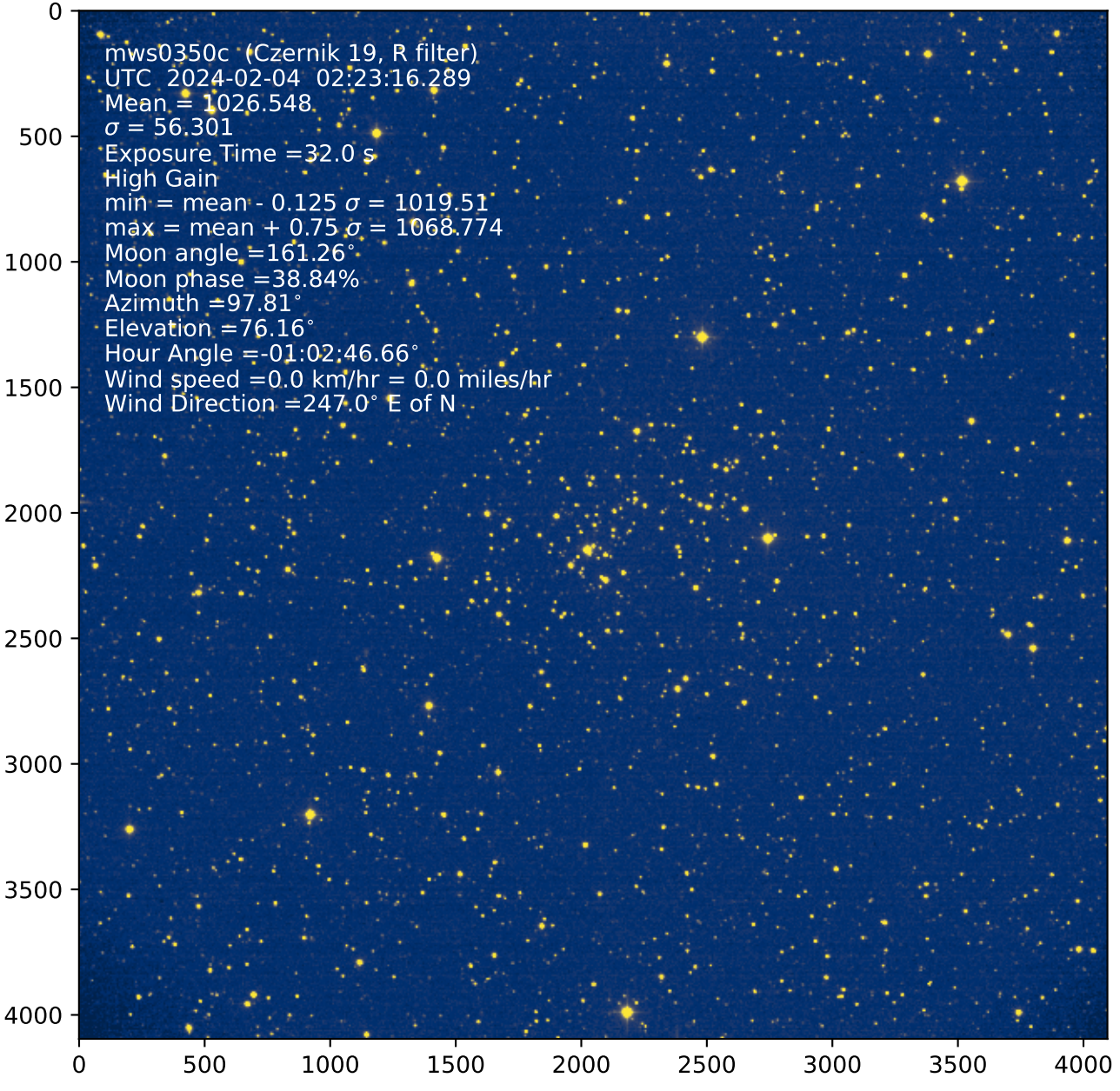

mws03511 (King 17, I filter)
UTC 2024-02-04 02:17:56.450
Mean = 1027.238
σ = 74.745
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1017.895
max = mean + 0.75 σ = 1083.296
Moon angle =154.83°
Moon phase =38.88%
Azimuth =59.75°
Elevation =72.21°
Hour Angle =-01:19:33.65°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

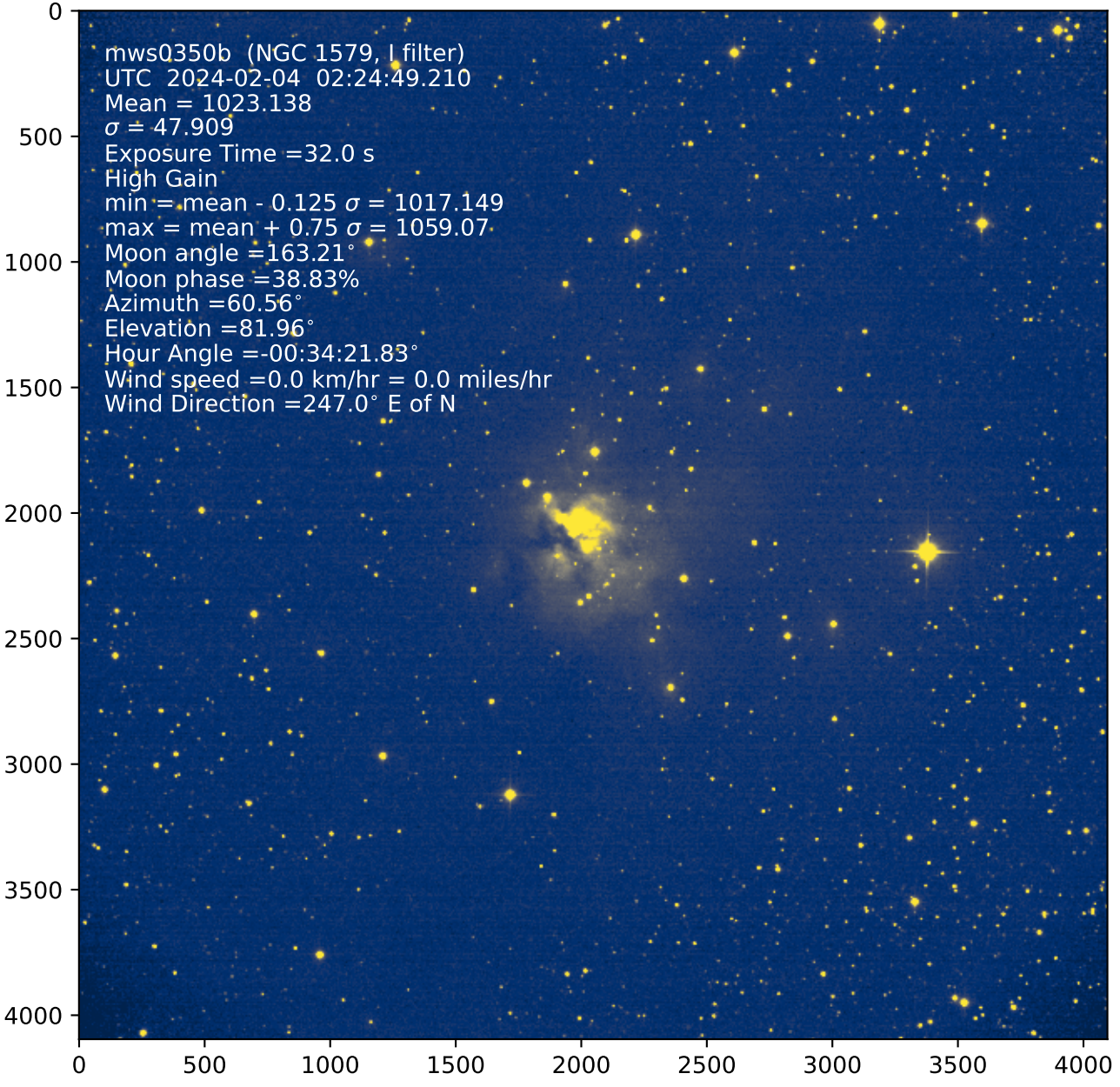

mws03510 (King 17, G filter)
UTC 2024-02-04 02:18:52.899
Mean = 1018.322
σ = 71.686
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.361
max = mean + 0.75 σ = 1072.087
Moon angle =154.84°
Moon phase =38.87%
Azimuth =59.56°
Elevation =72.39°
Hour Angle =-01:18:36.49°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

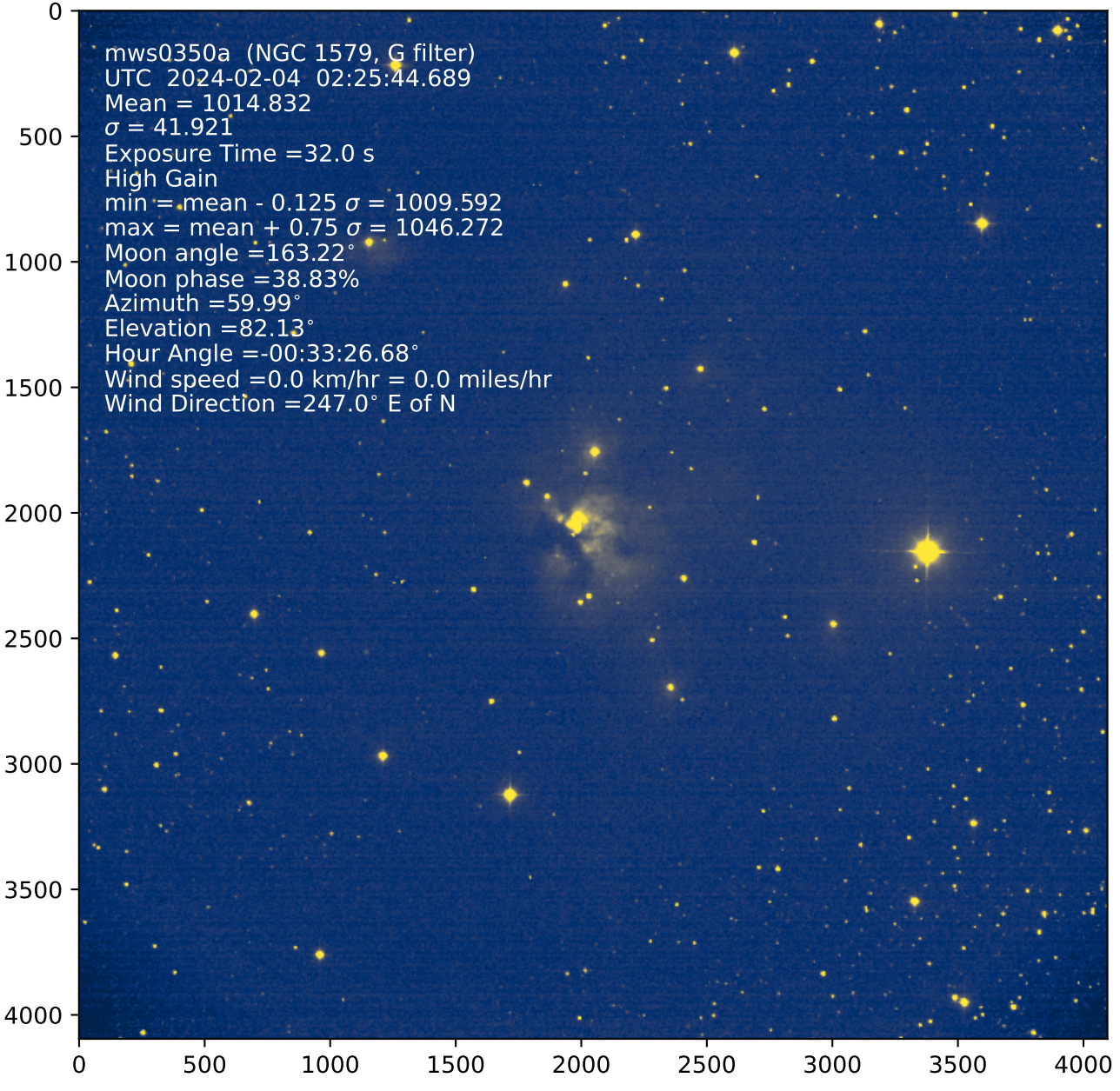

mws0350f (King 17, R filter)
UTC 2024-02-04 02:19:48.579
Mean = 1030.185
σ = 85.395
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.511
max = mean + 0.75 σ = 1094.231
Moon angle =154.84°
Moon phase =38.87%
Azimuth =59.36°
Elevation =72.56°
Hour Angle =-01:17:41.34°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

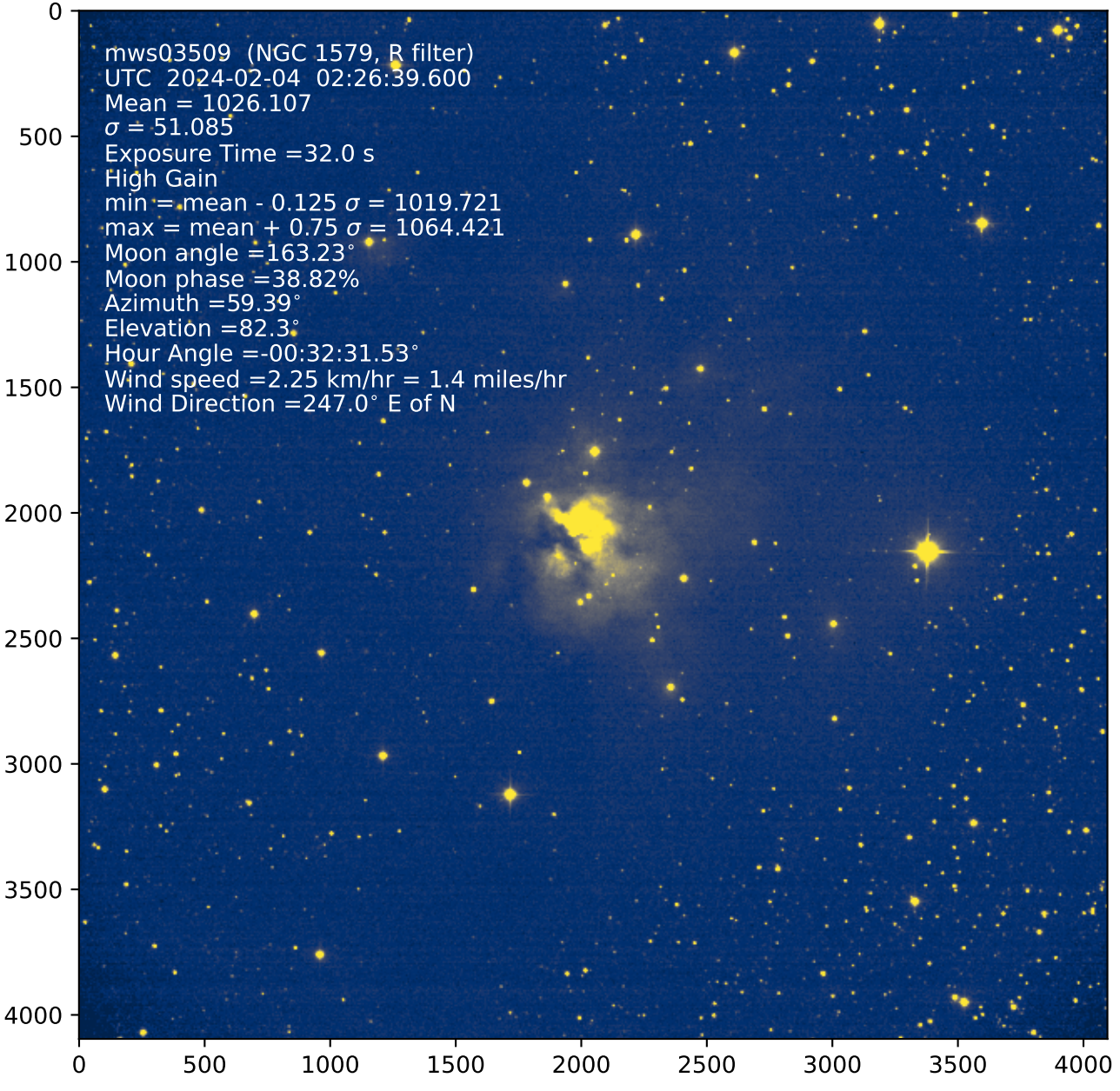

mws0350e (Czernik 19, I filter)
UTC 2024-02-04 02:21:25.339
Mean = 1023.797
σ = 52.736
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1017.205
max = mean + 0.75 σ = 1063.348
Moon angle =161.24°
Moon phase =38.86%
Azimuth =97.36°
Elevation =75.77°
Hour Angle =-01:04:37.96°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

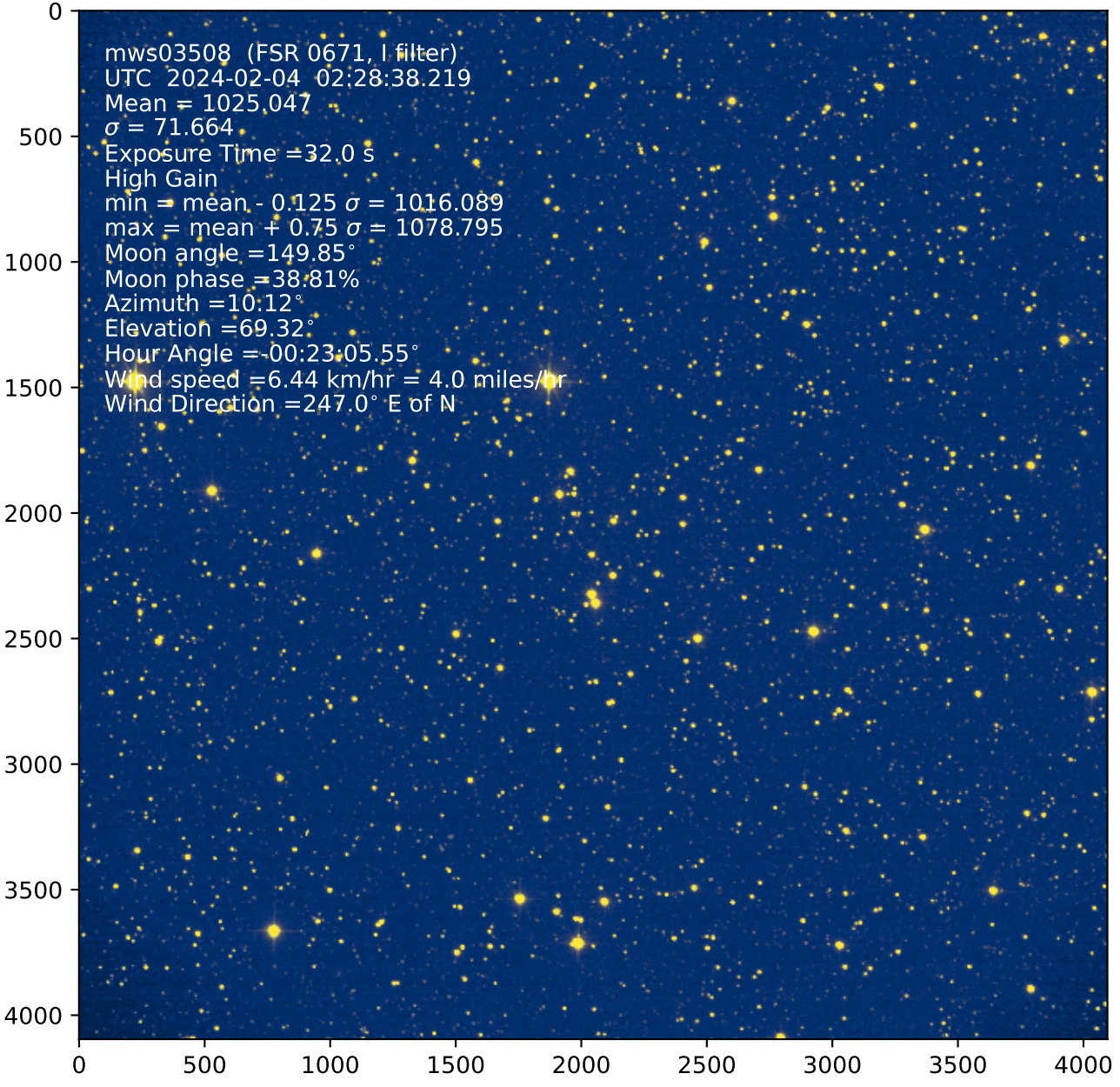

mws0350d (Czernik 19, G filter)
UTC 2024-02-04 02:22:21.260
Mean = 1015.397
σ = 42.335
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1010.105
max = mean + 0.75 σ = 1047.148
Moon angle =161.25°
Moon phase =38.85%
Azimuth =97.58°
Elevation =75.97°
Hour Angle =-01:03:41.81°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

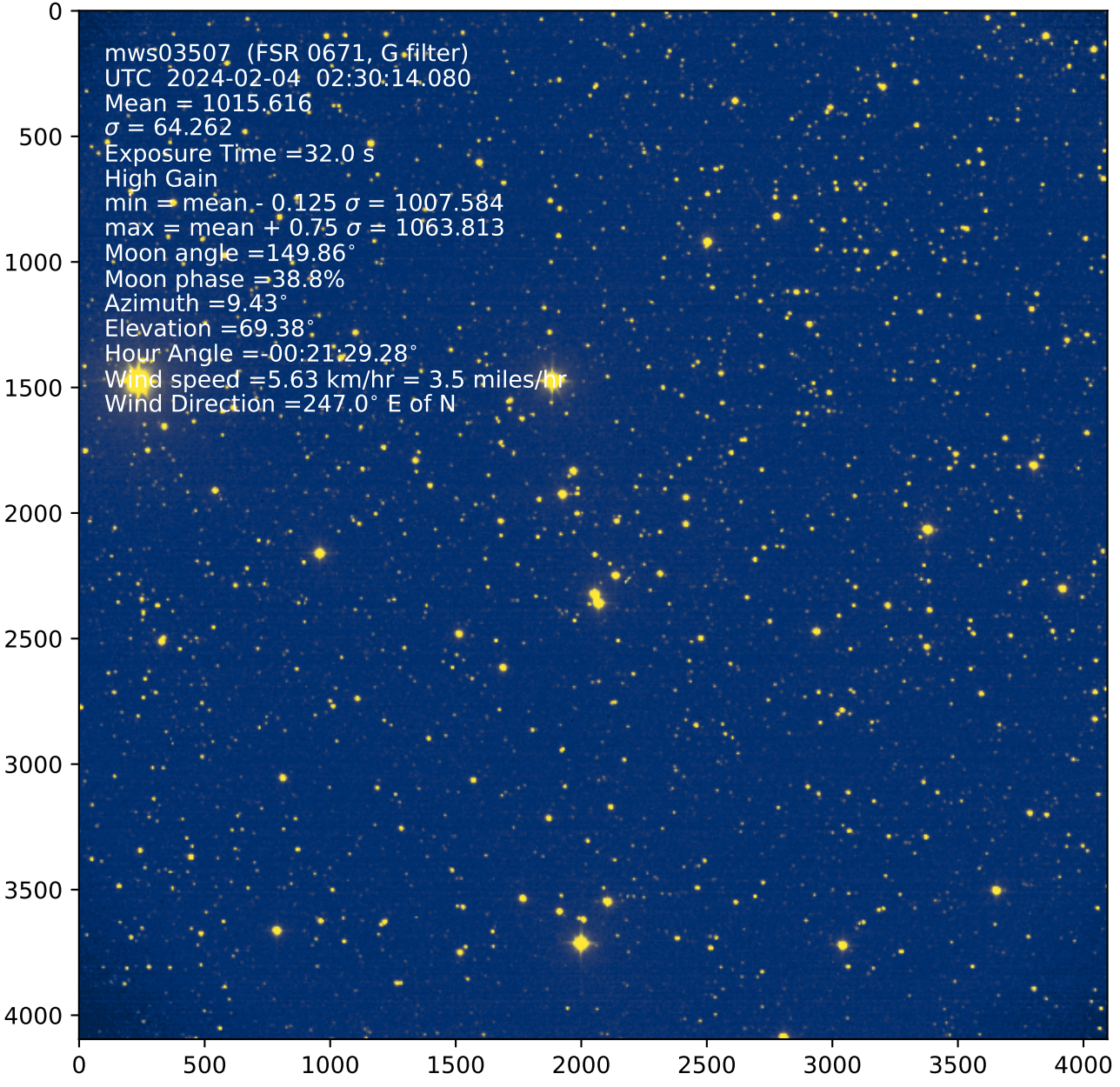

mws0350c (Czernik 19, R filter)
UTC 2024-02-04 02:23:16.289
Mean = 1026.548
σ = 56.301
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.51
max = mean + 0.75 σ = 1068.774
Moon angle =161.26°
Moon phase =38.84%
Azimuth =97.81°
Elevation =76.16°
Hour Angle =-01:02:46.66°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

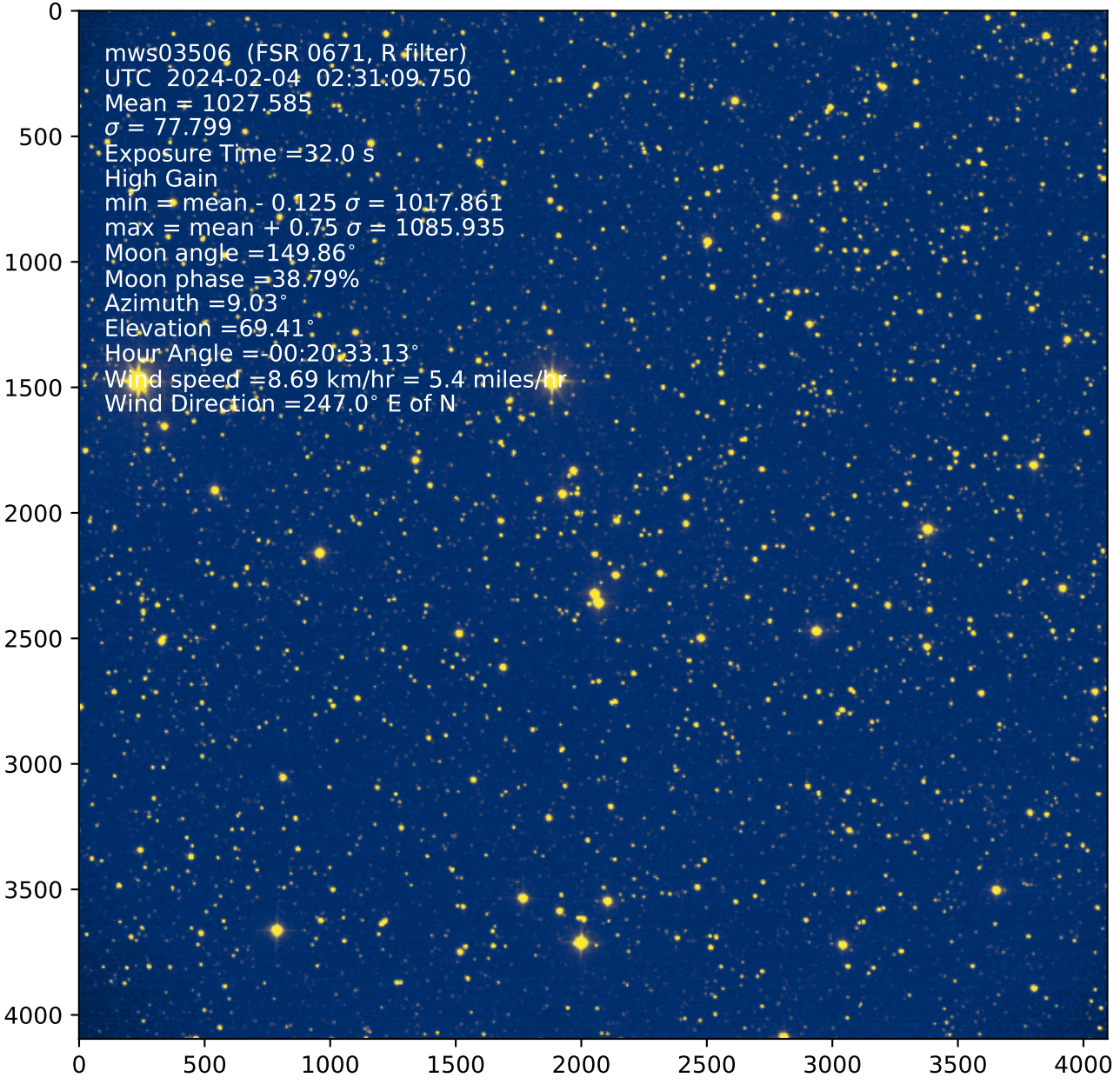

mws0350b (NGC 1579, I filter)
UTC 2024-02-04 02:24:49.210
Mean = 1023.138
σ = 47.909
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1017.149
max = mean + 0.75 σ = 1059.07
Moon angle =163.21°
Moon phase =38.83%
Azimuth =60.56°
Elevation =81.96°
Hour Angle =-00:34:21.83°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

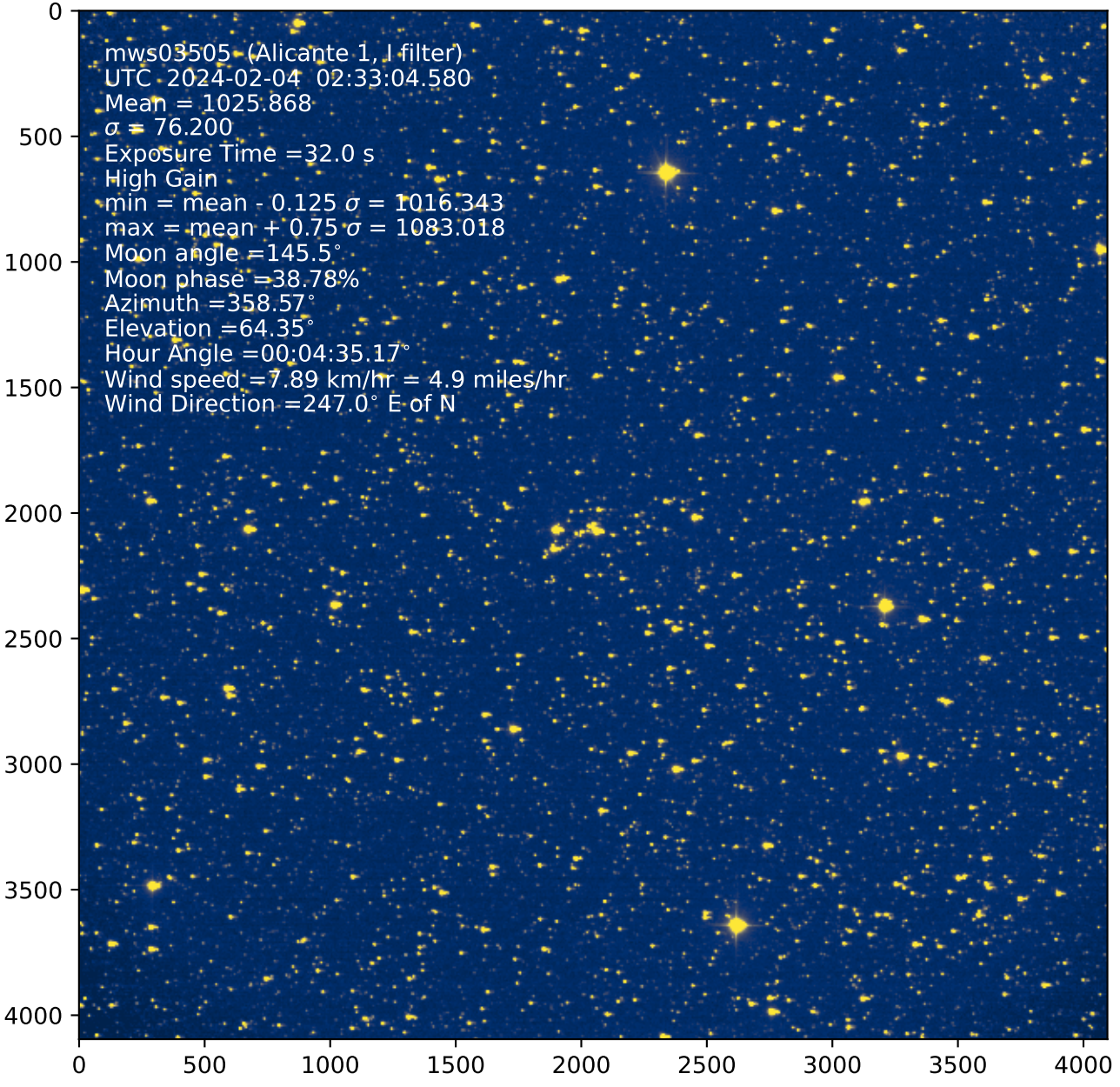

mws0350a (NGC 1579, G filter)
UTC 2024-02-04 02:25:44.689
Mean = 1014.832
σ = 41.921
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.592
max = mean + 0.75 σ = 1046.272
Moon angle =163.22°
Moon phase =38.83%
Azimuth =59.99°
Elevation =82.13°
Hour Angle =-00:33:26.68°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

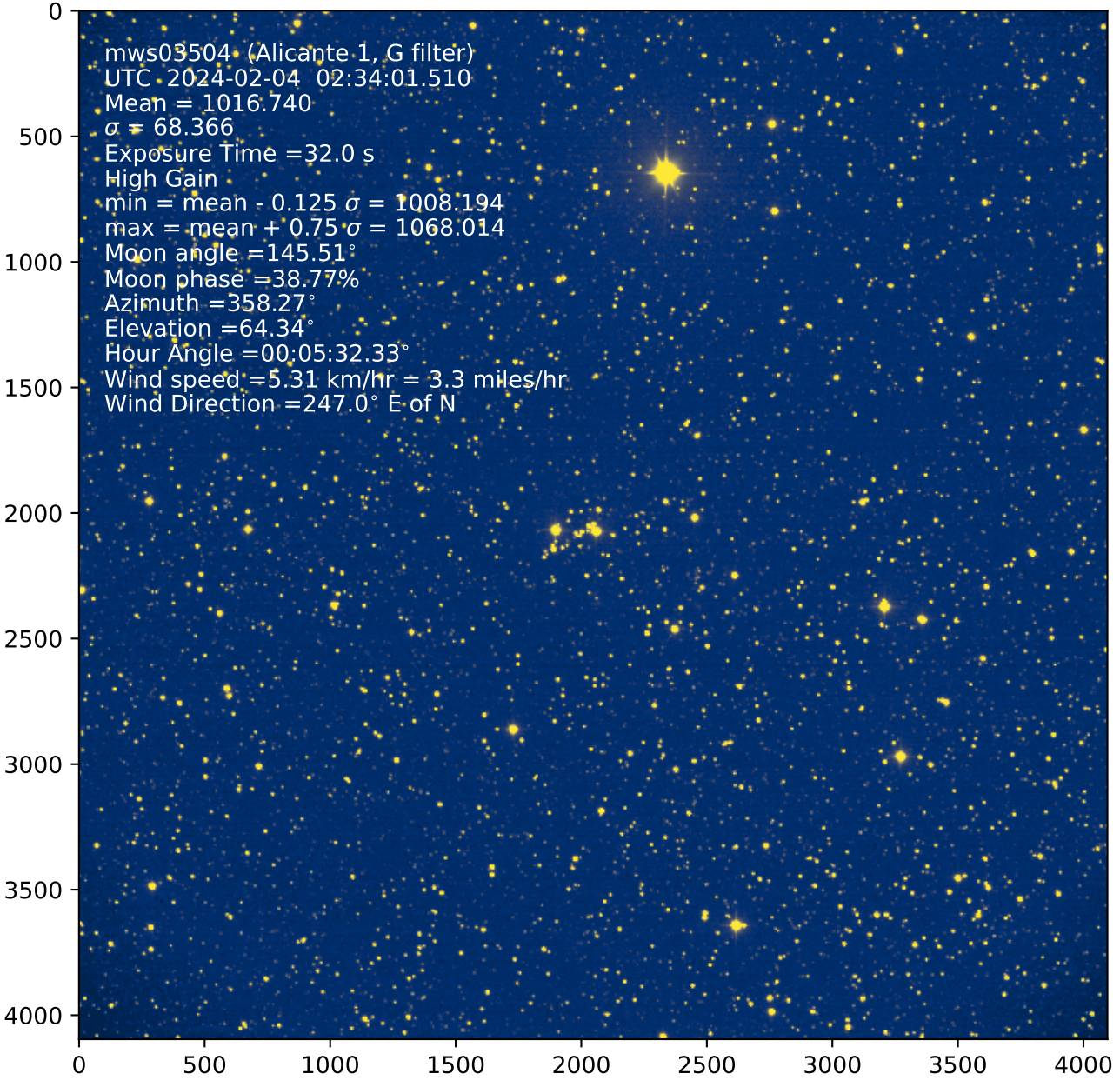

mws03509 (NGC 1579, R filter)
UTC 2024-02-04 02:26:39.600
Mean = 1026.107
σ = 51.085
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.721
max = mean + 0.75 σ = 1064.421
Moon angle =163.23°
Moon phase =38.82%
Azimuth =59.39°
Elevation =82.3°
Hour Angle =-00:32:31.53°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

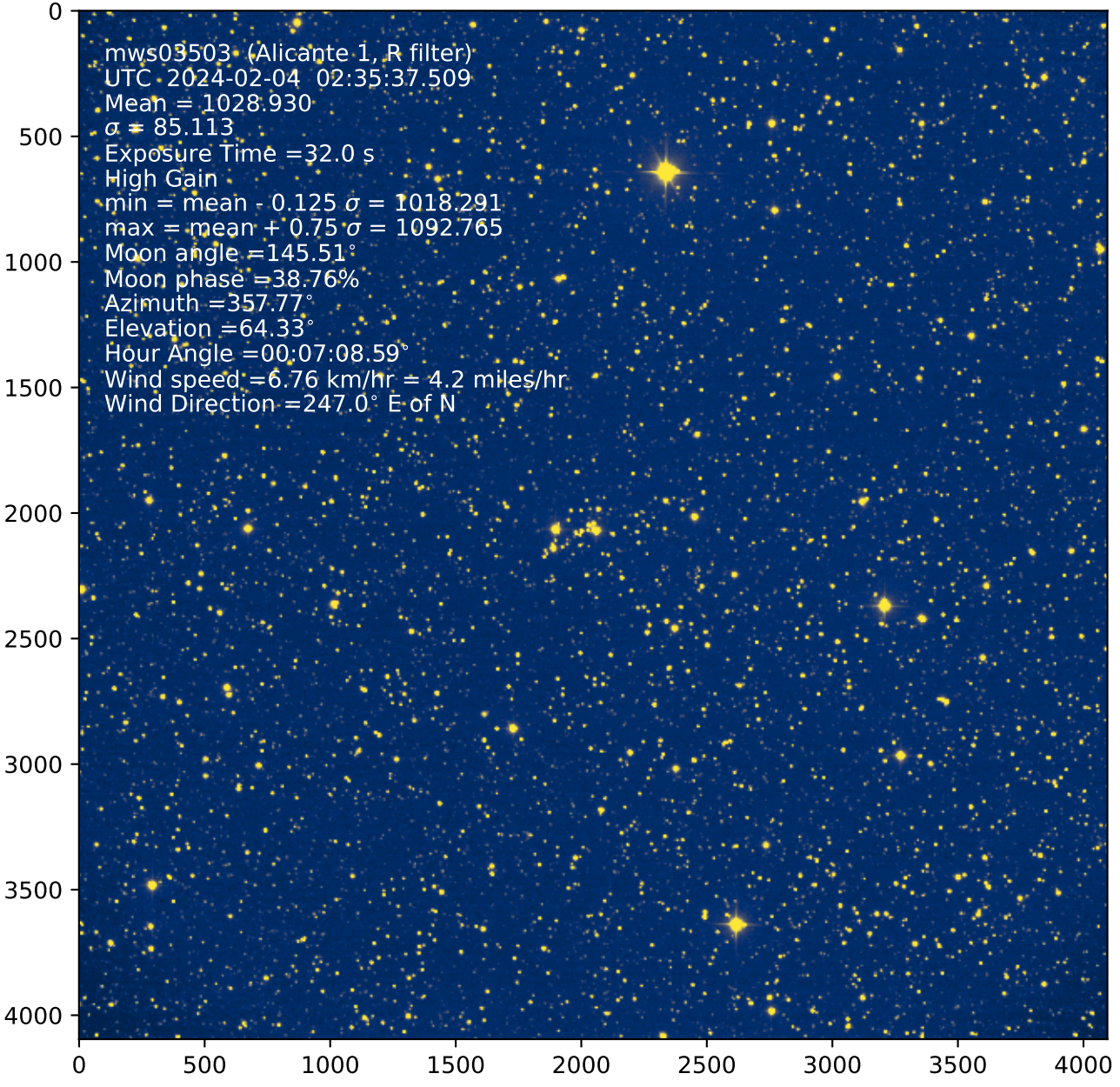

mws03508 (FSR 0671, I filter)
UTC 2024-02-04 02:28:38.219
Mean = 1025.047
σ = 71.664
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1016.089
max = mean + 0.75 σ = 1078.795
Moon angle =149.85°
Moon phase =38.81%
Azimuth =10:12°
Elevation =69.32°
Hour Angle =-00:23:05.55°
Wind speed =6.44 km/hr = 4.0 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

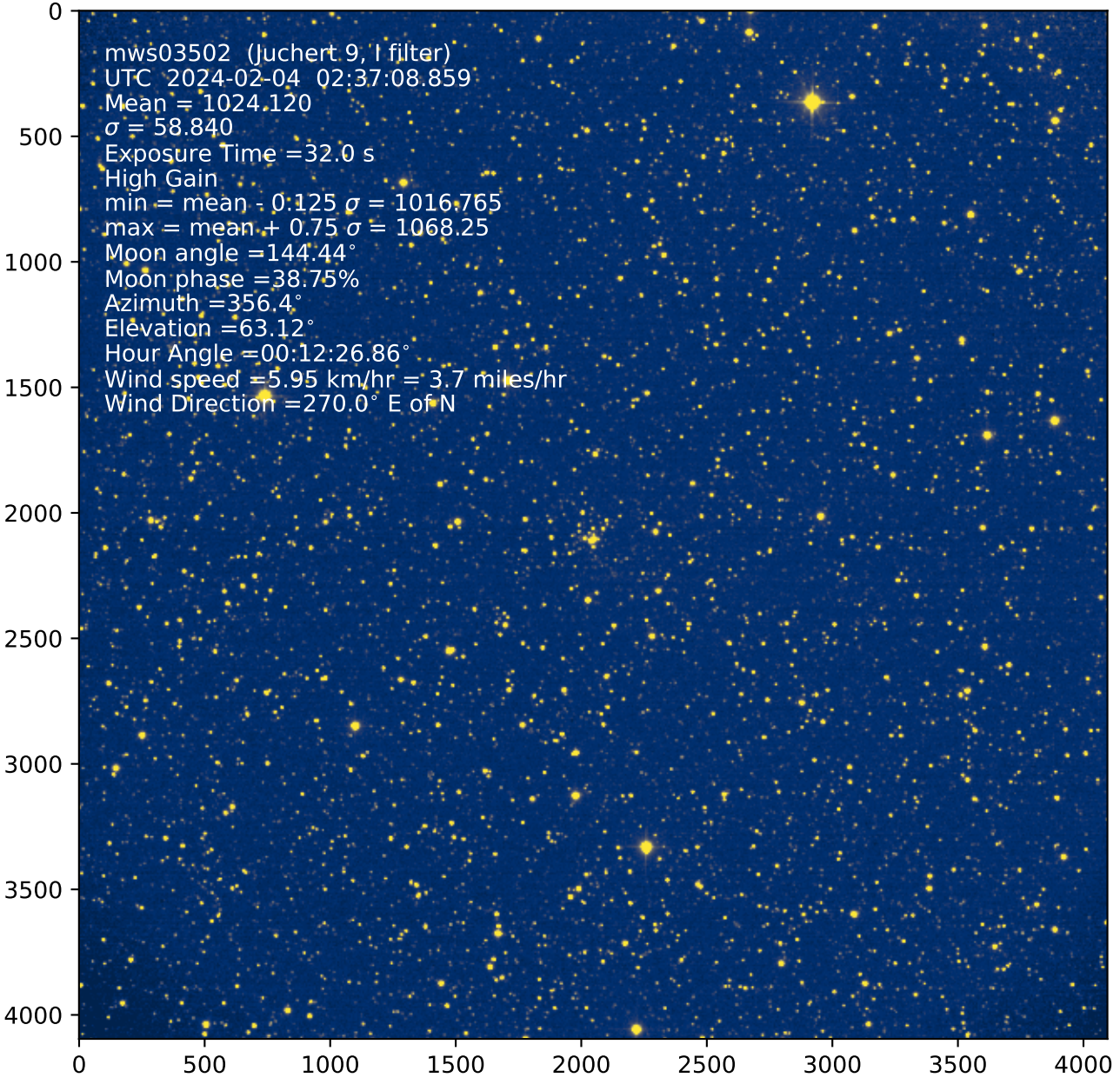

mws03507 (FSR 0671, G filter)
UTC 2024-02-04 02:30:14.080
Mean = 1015.616
σ = 64.262
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.584
max = mean + 0.75 σ = 1063.813
Moon angle =149.86°
Moon phase =38.8%
Azimuth =9.43°
Elevation =69.38°
Hour Angle =-00:21:29.28°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

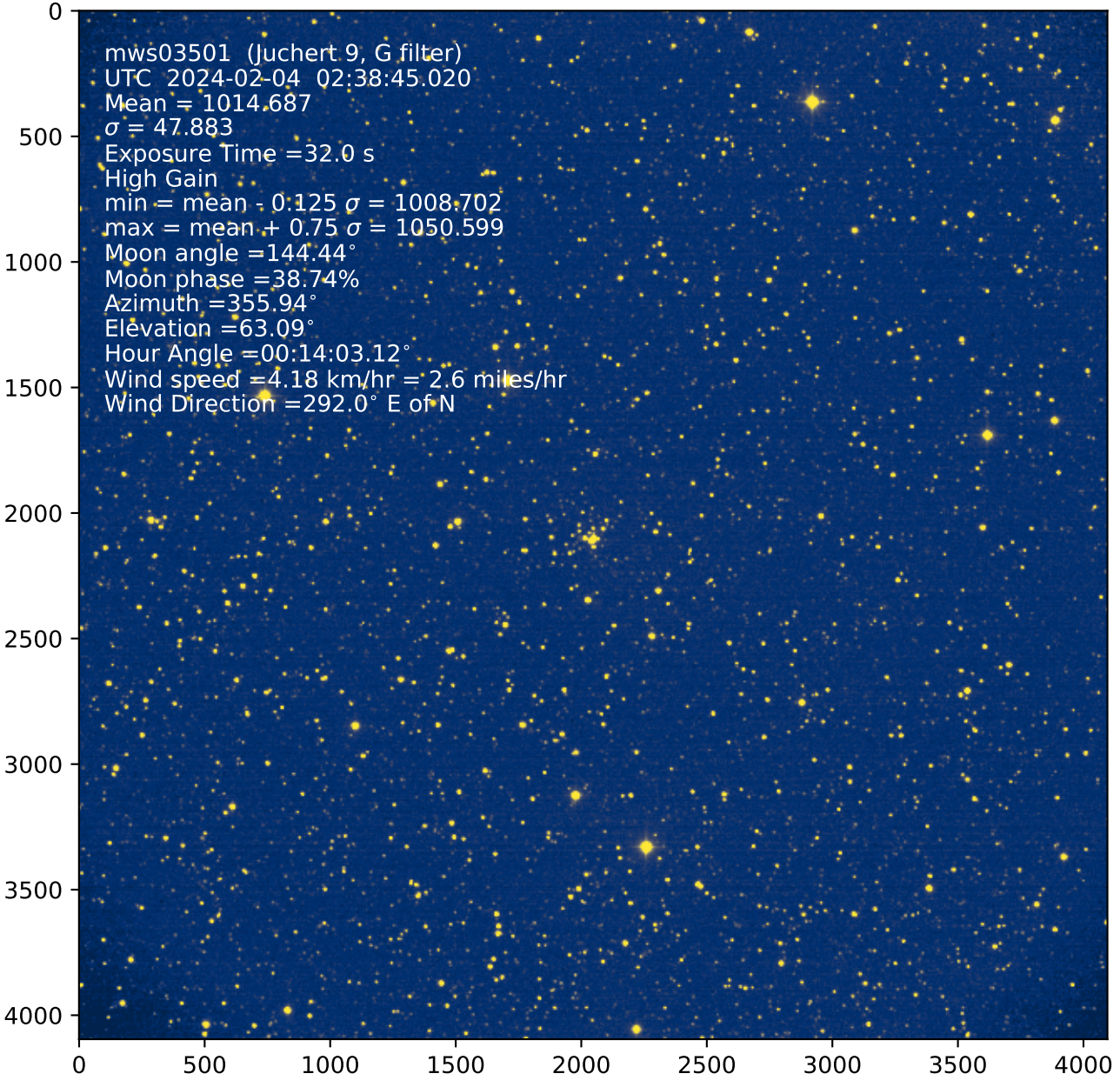

mws03506 (FSR 0671, R filter)
UTC 2024-02-04 02:31:09.750
Mean = 1027.585
σ = 77.799
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1017.861
max = mean + 0.75 σ = 1085.935
Moon angle =149.86°
Moon phase =38.79%
Azimuth =9.03°
Elevation =69.41°
Hour Angle =-00:20:33.13°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

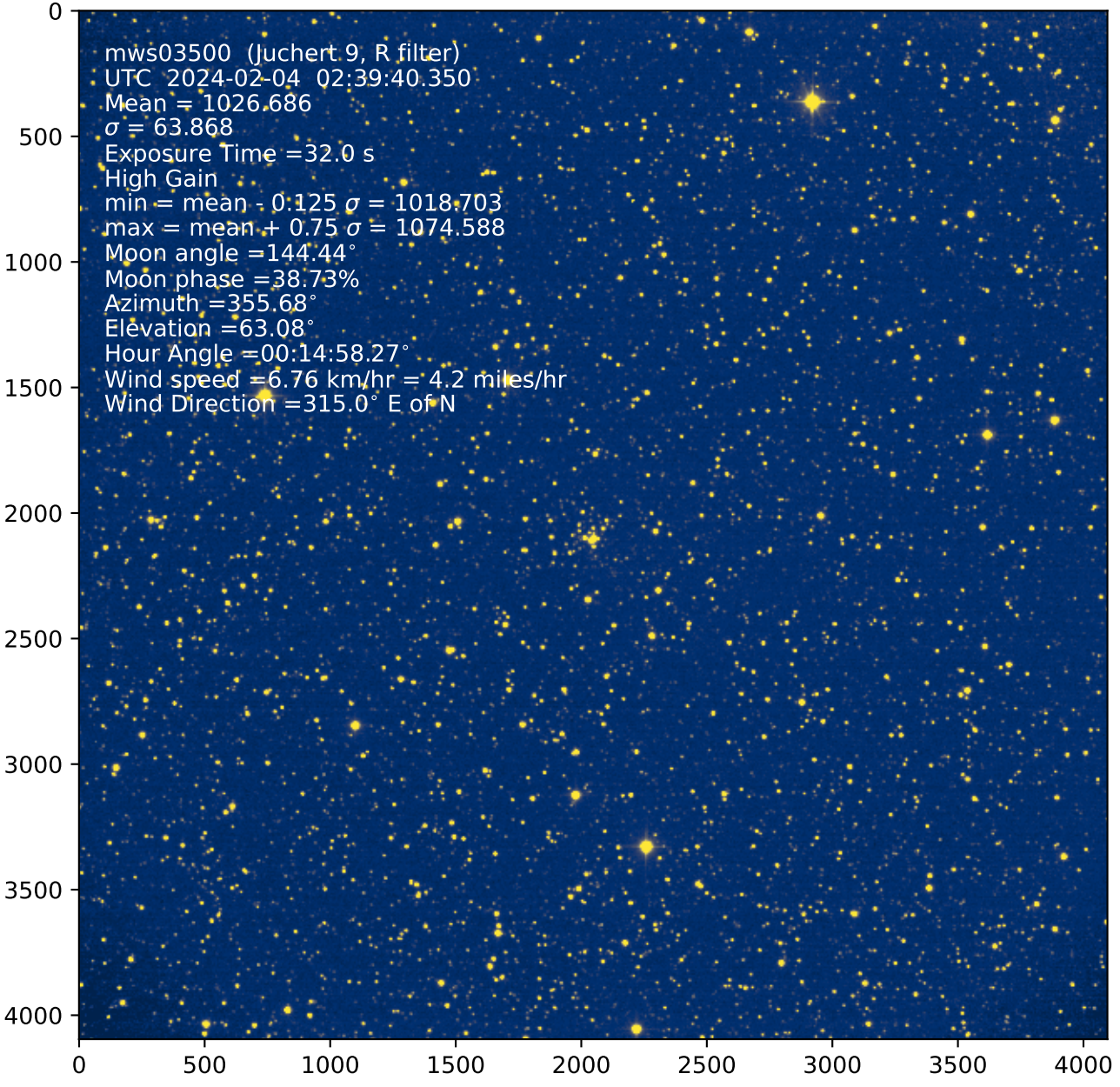

mws03505 (Alicante 1, I filter)
UTC 2024-02-04 02:33:04.580
Mean = 1025.868
σ = 76.200
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1016.343
max = mean + 0.75 σ = 1083.018
Moon angle =145.5°
Moon phase =38.78%
Azimuth =358.57°
Elevation =64.35°
Hour Angle =00:04:35.17°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

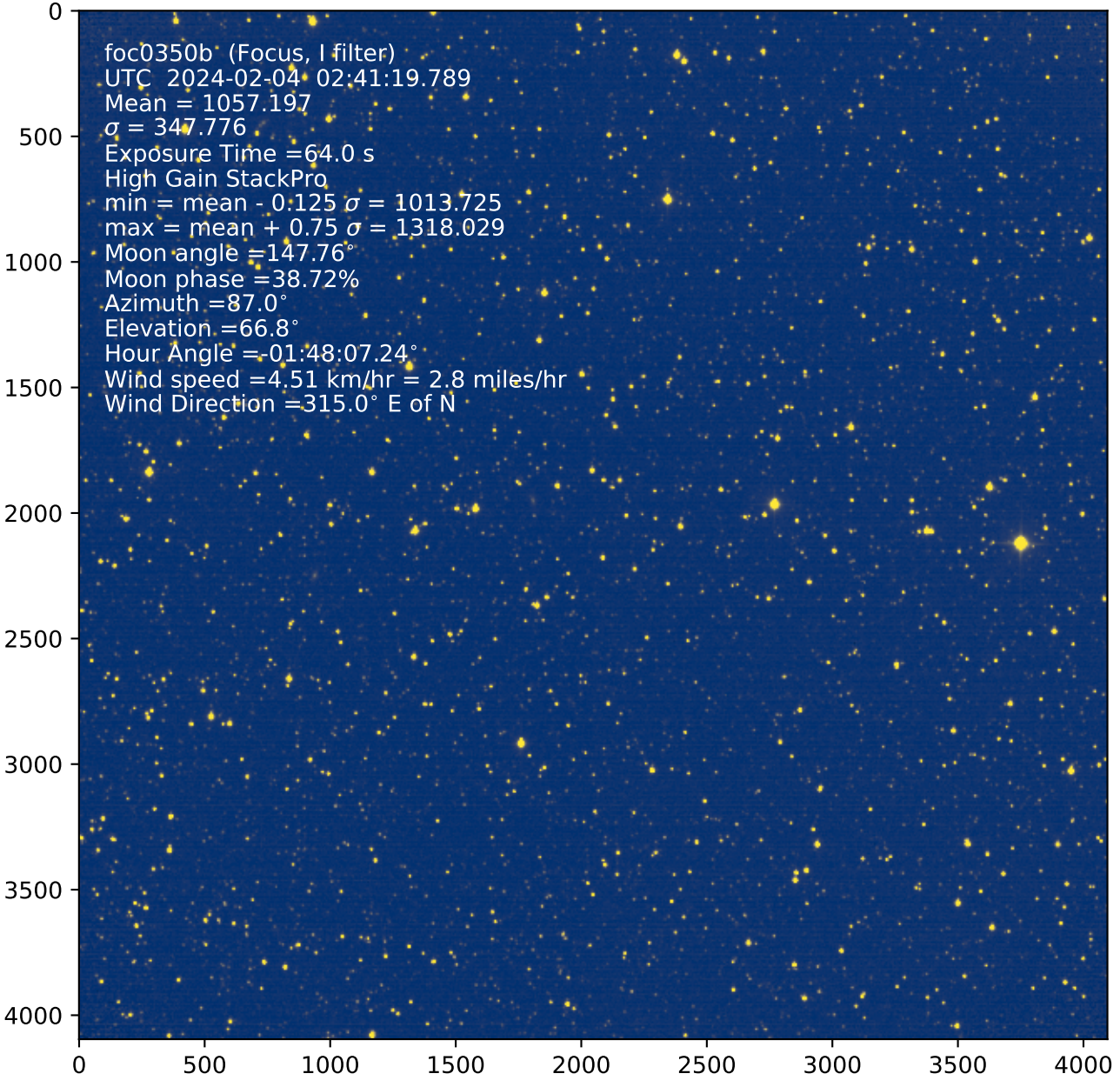

mws03504 (Alicante 1, G filter)
UTC 2024-02-04 02:34:01.510
Mean = 1016.740
σ = 68.366
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.194
max = mean + 0.75 σ = 1068.014
Moon angle =145.51°
Moon phase =38.77%
Azimuth =358.27°
Elevation =64.34°
Hour Angle =00:05:32.33°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

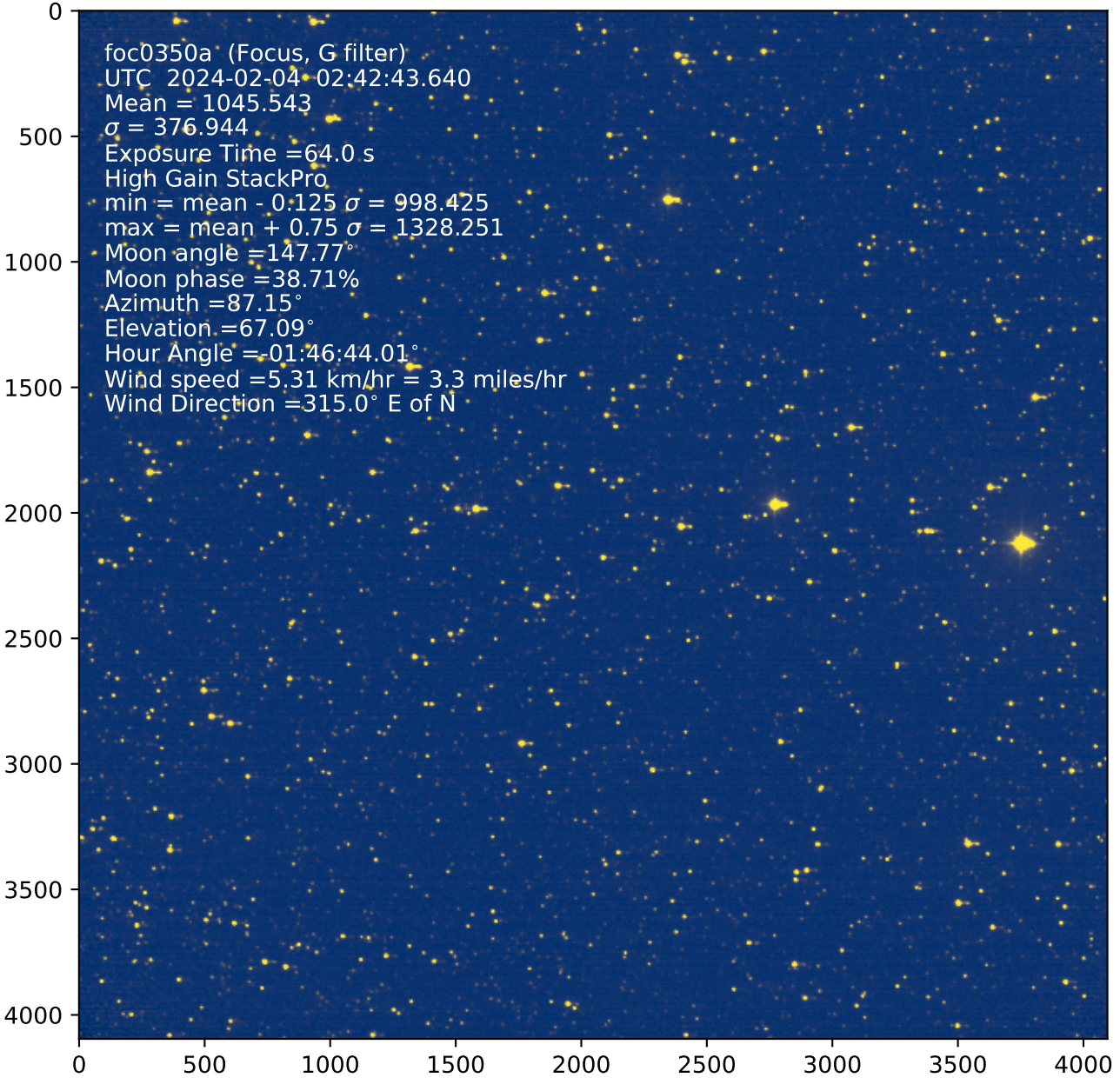

mws03503 (Alicante 1, R filter)
UTC 2024-02-04 02:35:37.509
Mean = 1028.930
σ = 85.113
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1018.291
max = mean + 0.75 σ = 1092.765
Moon angle =145.51°
Moon phase =38.76%
Azimuth =357.77°
Elevation =64.33°
Hour Angle =00:07:08.59°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

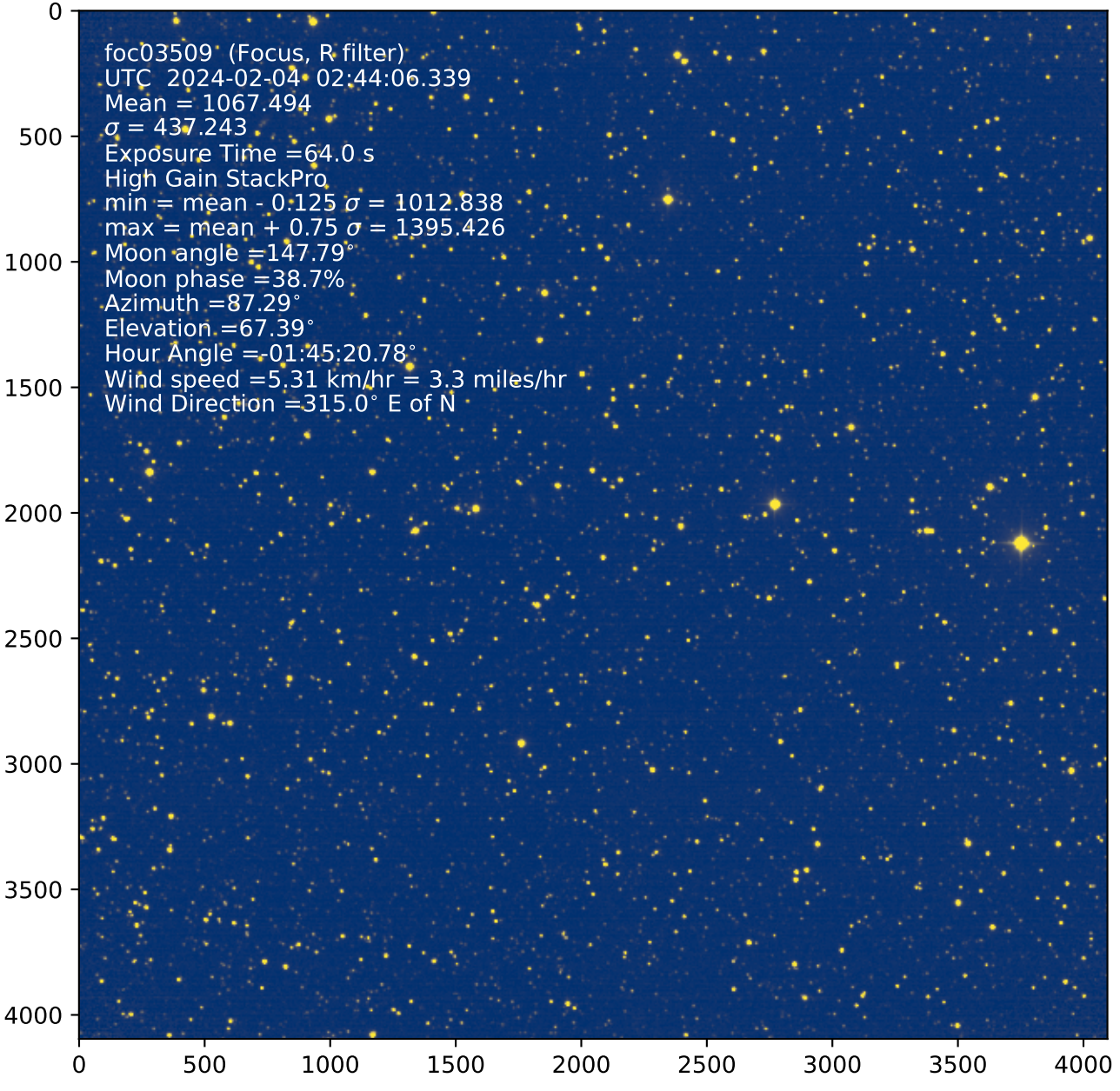

mws03502 (Juchert 9, I filter)
UTC 2024-02-04 02:37:08.859
Mean = 1024.120
σ = 58.840
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1016.765
max = mean + 0.75 σ = 1068.25
Moon angle =144.44°
Moon phase =38.75%
Azimuth =356.4°
Elevation =63.12°
Hour Angle =00:12:26.86°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

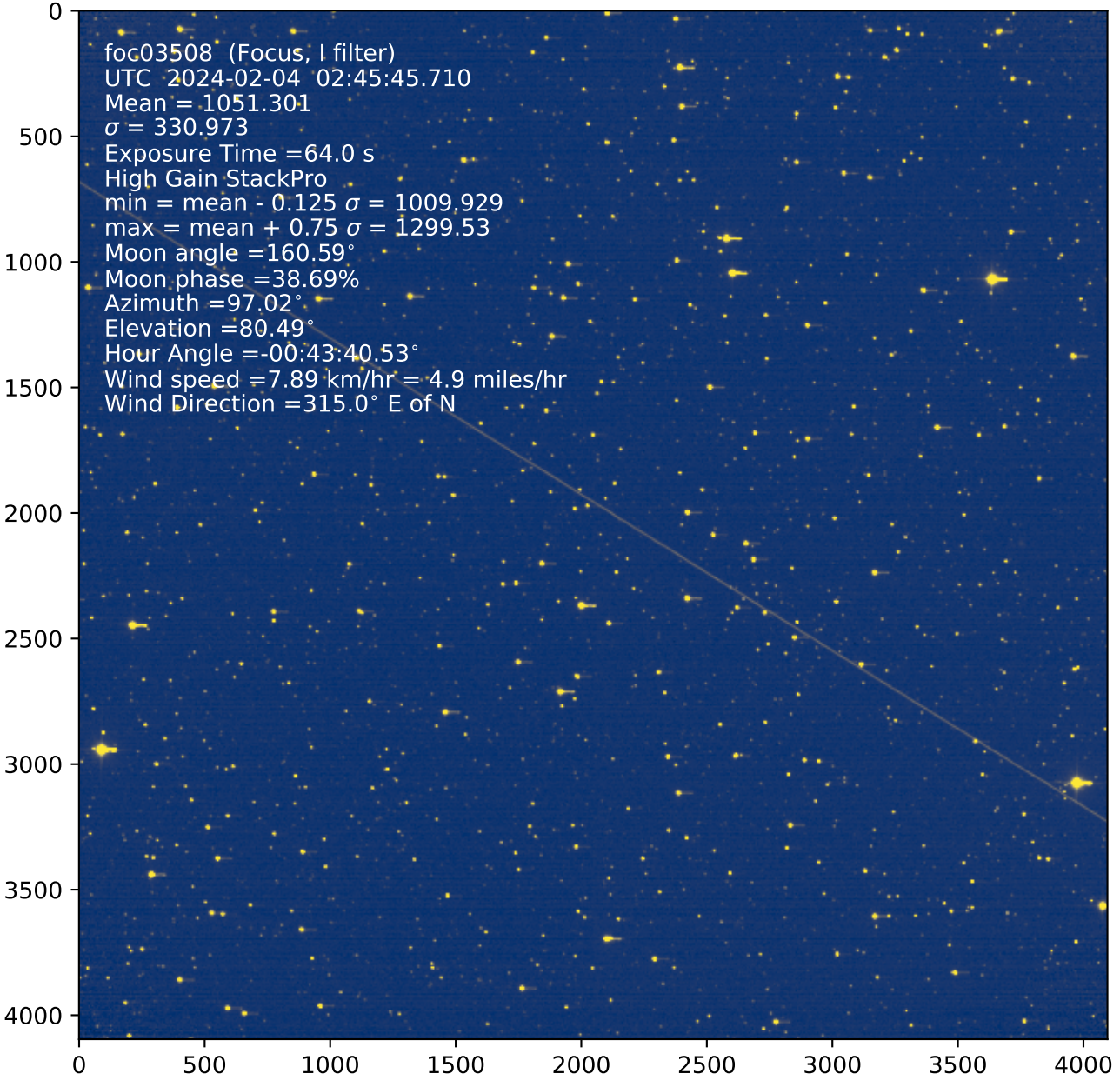

mws03501 (Juchert 9, G filter)
UTC 2024-02-04 02:38:45.020
Mean = 1014.687
σ = 47.883
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.702
max = mean + 0.75 σ = 1050.599
Moon angle =144.44°
Moon phase =38.74%
Azimuth =355.94°
Elevation =63.09°
Hour Angle =00:14:03.12°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

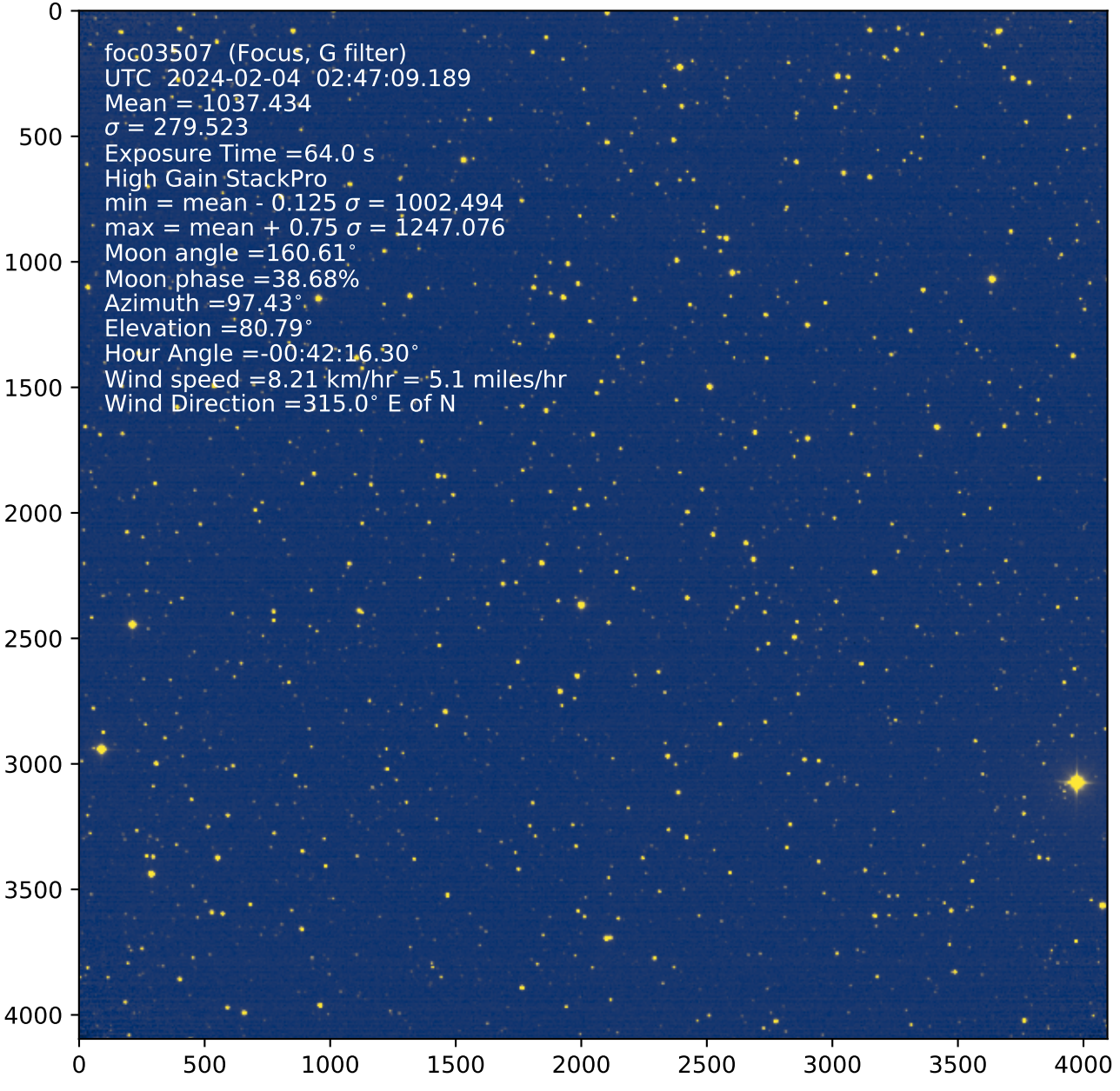

mws03500 (Juchert 9, R filter)
UTC 2024-02-04 02:39:40.350
Mean = 1026.686
σ = 63.868
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1018.703
max = mean + 0.75 σ = 1074.588
Moon angle =144.44°
Moon phase =38.73%
Azimuth =355.68°
Elevation =63.08°
Hour Angle =00:14:58.27°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

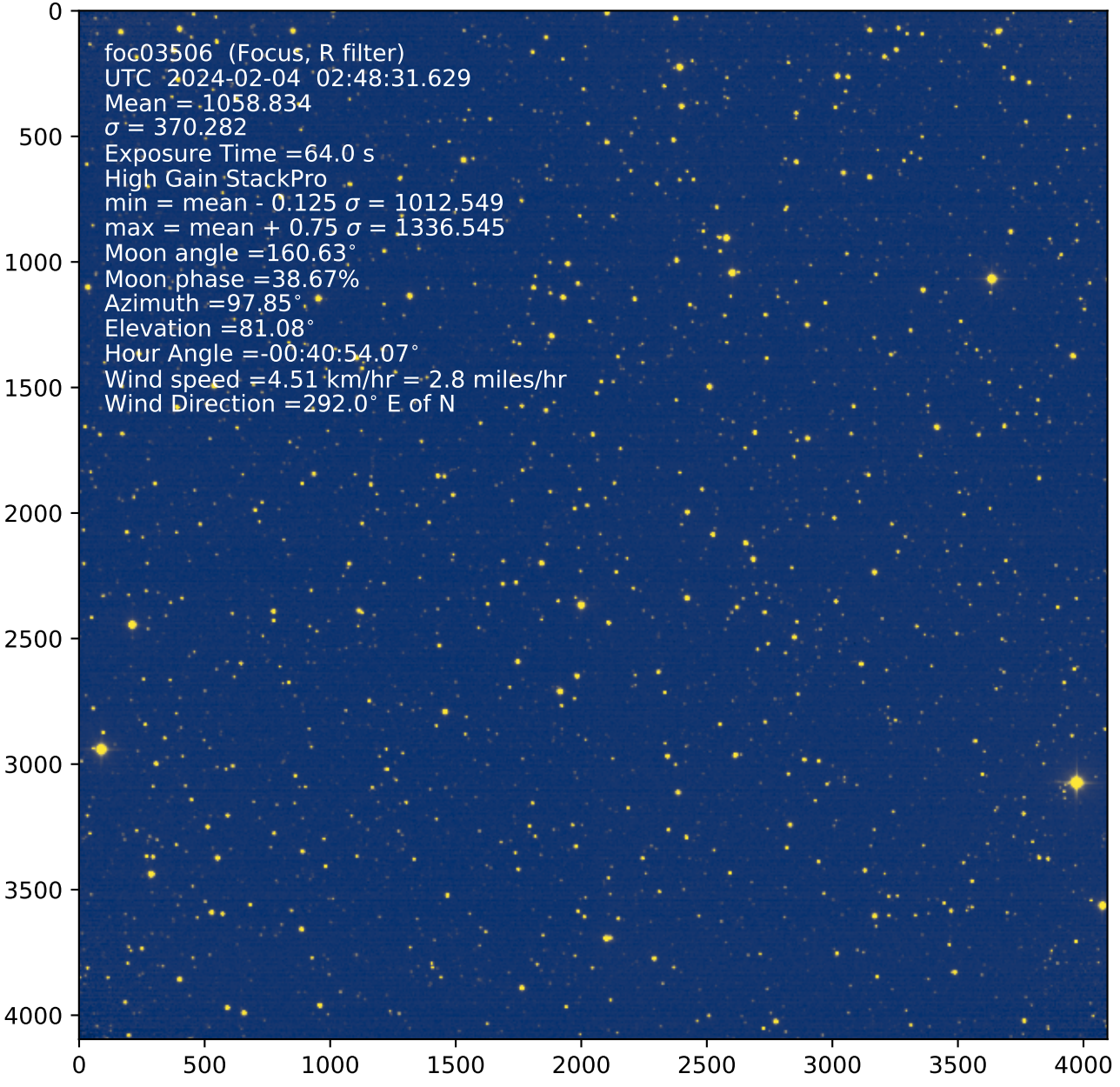

foc0350b (Focus, I filter)
UTC 2024-02-04 02:41:19.789
Mean = 1057.197
σ = 347.776
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1013.725
max = mean + 0.75 σ = 1318.029
Moon angle =147.76°
Moon phase =38.72%
Azimuth =87.0°
Elevation =66.8°
Hour Angle =-01:48:07.24°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

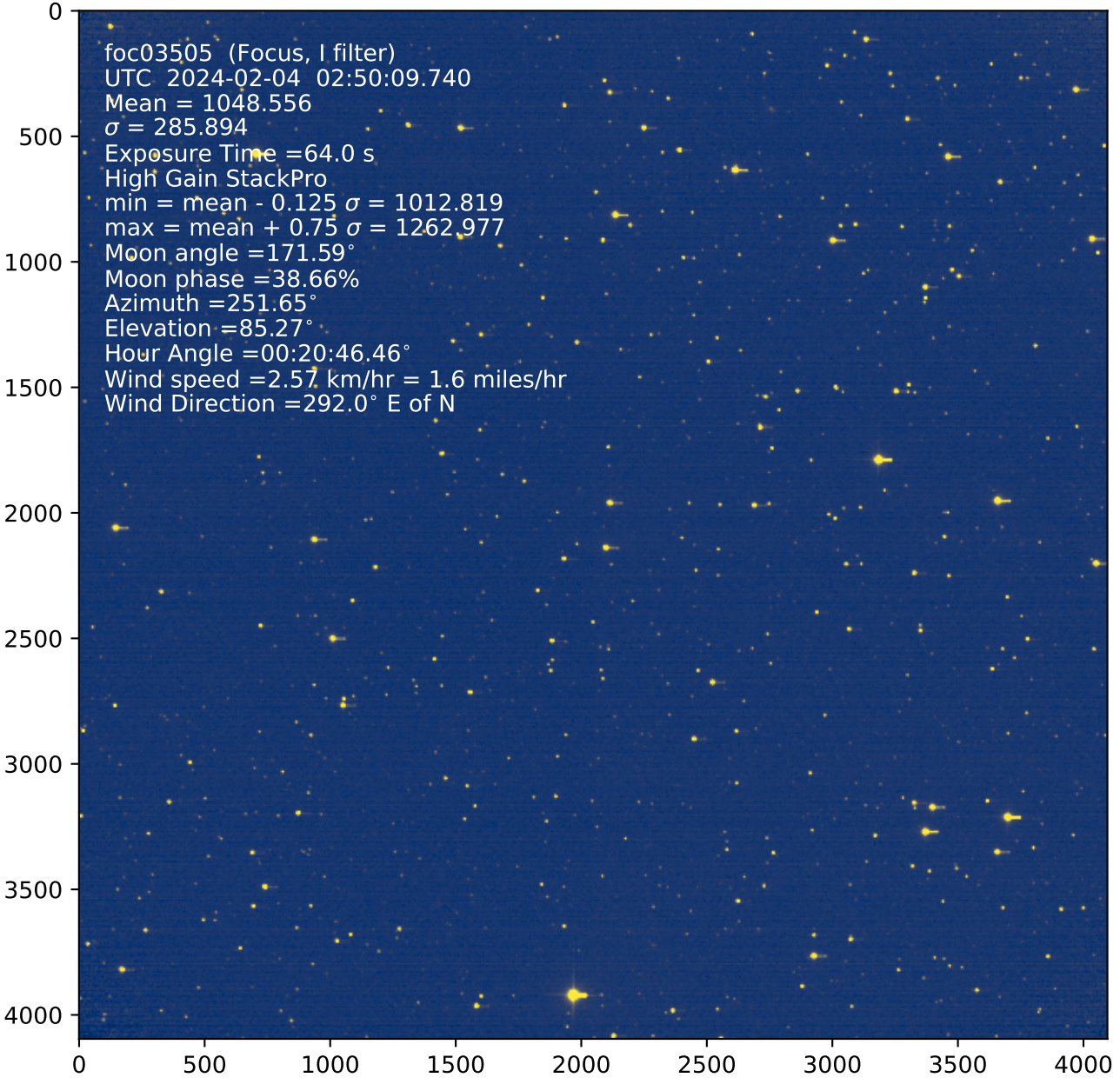

foc0350a (Focus, G filter)
UTC 2024-02-04 02:42:43.640
Mean = 1045.543
σ = 376.944
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 998.425
max = mean + 0.75 σ = 1328.251
Moon angle =147.77°
Moon phase =38.71%
Azimuth =87.15°
Elevation =67.09°
Hour Angle =-01:46:44.01°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

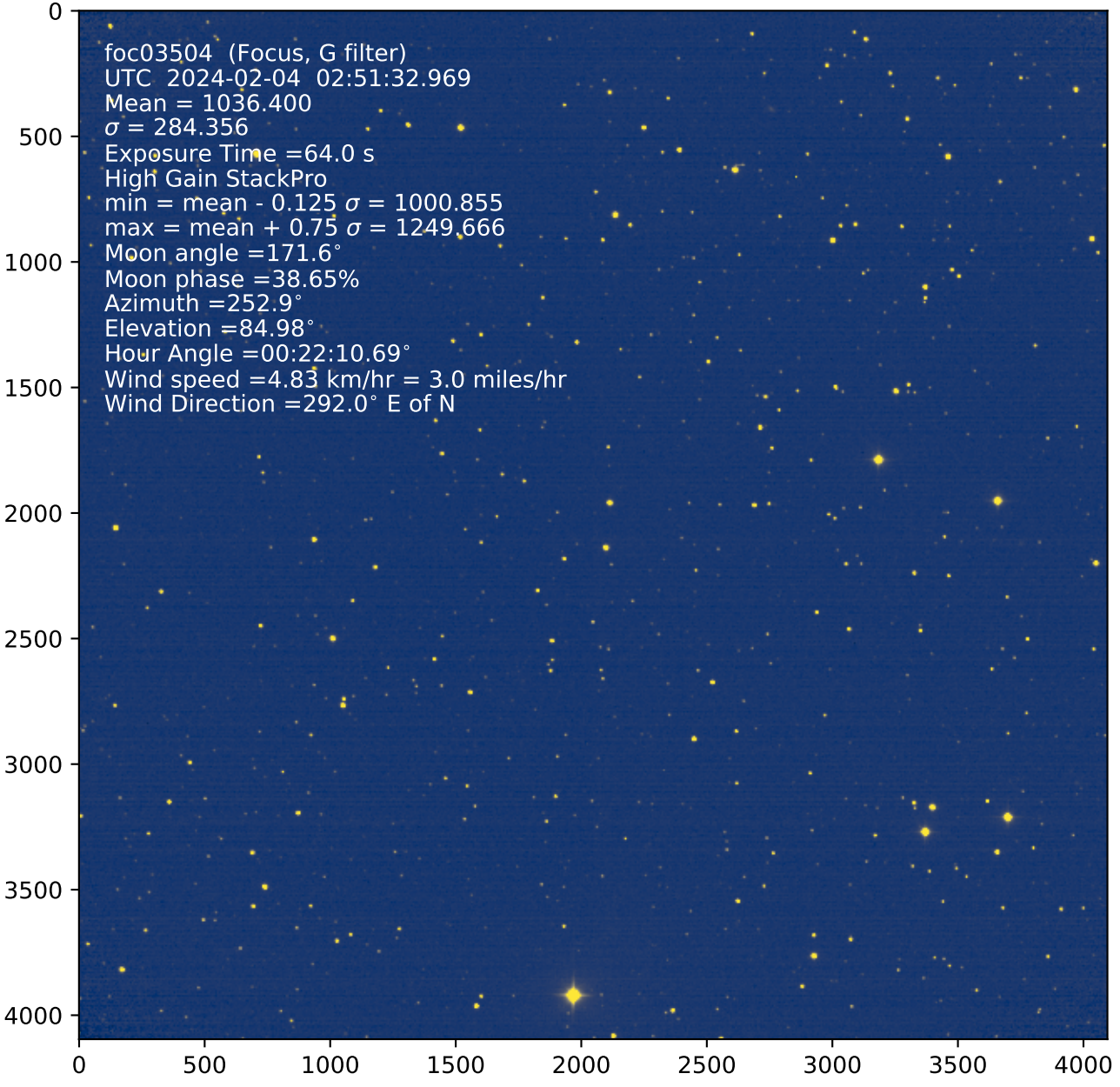

foc03509 (Focus, R filter)
UTC 2024-02-04 02:44:06.339
Mean = 1067.494
σ = 437.243
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1012.838
max = mean + 0.75 σ = 1395.426
Moon angle =147.79°
Moon phase =38.7%
Azimuth =87.29°
Elevation =67.39°
Hour Angle =-01:45:20.78°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

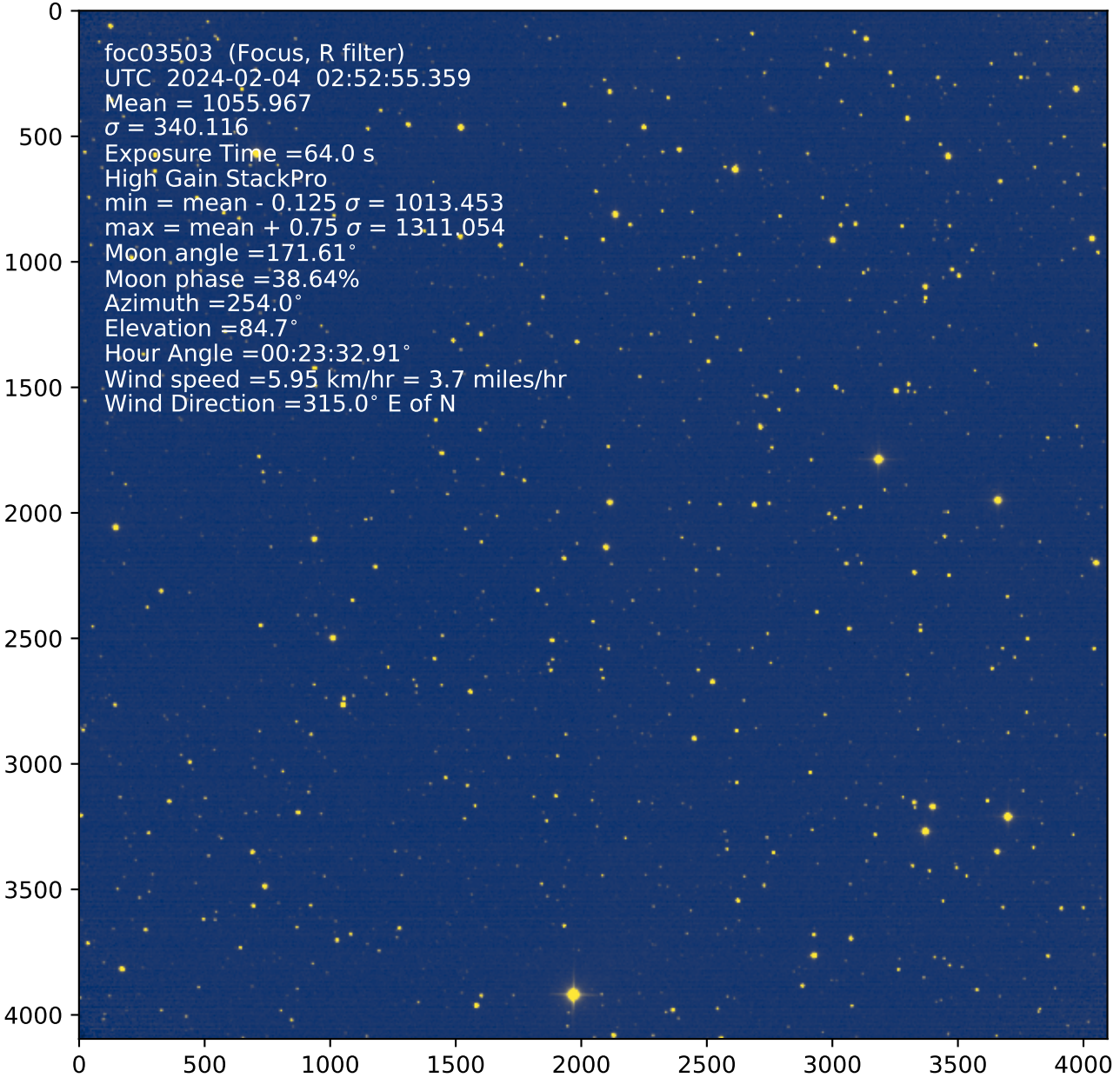

foc03508 (Focus, I filter)
UTC 2024-02-04 02:45:45.710
Mean = 1051.301
σ = 330.973
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1009.929
max = mean + 0.75 σ = 1299.53
Moon angle =160.59°
Moon phase =38.69%
Azimuth =97.02°
Elevation =80.49°
Hour Angle =-00:43:40.53°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

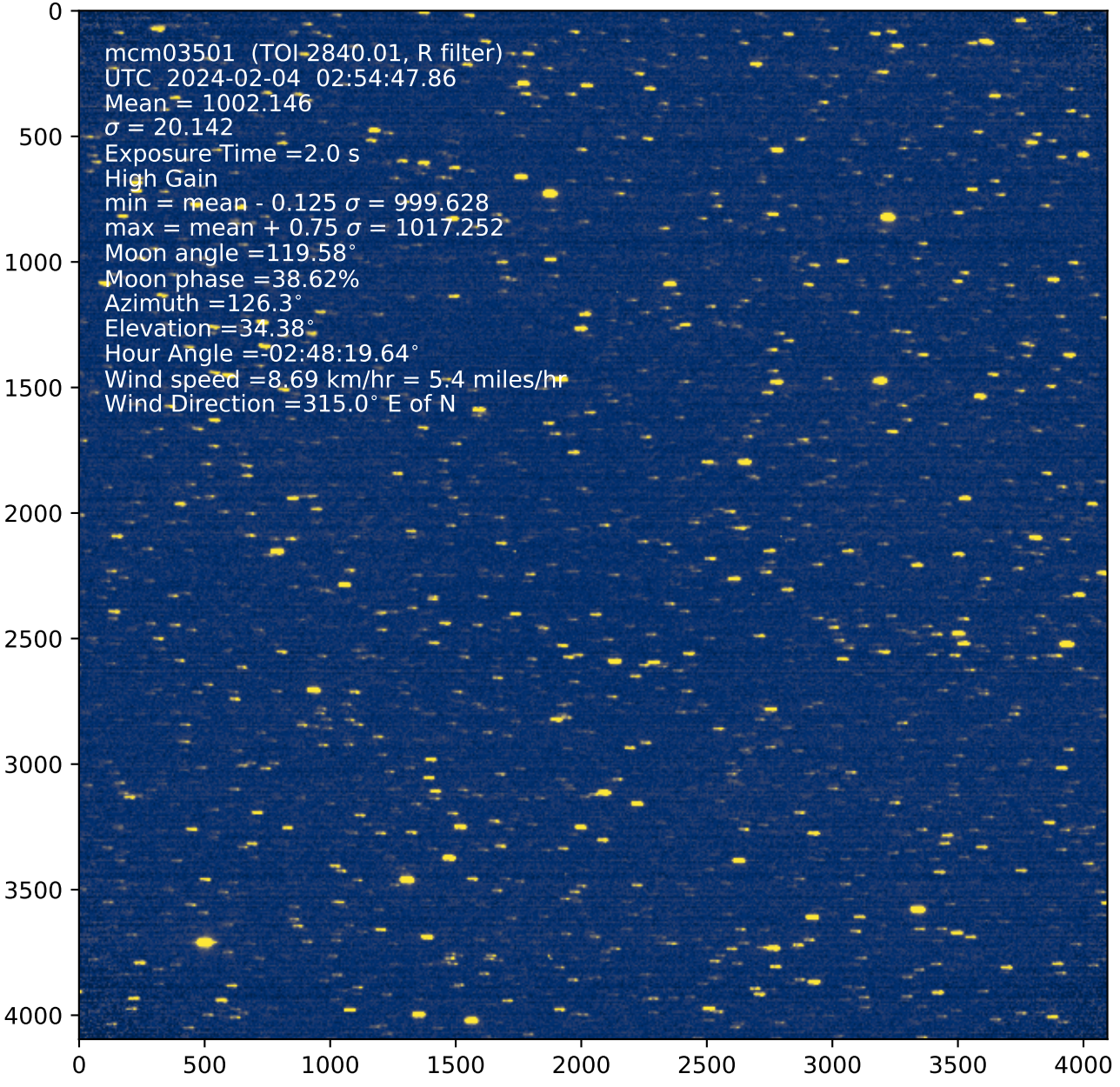

foc03507 (Focus, G filter)
UTC 2024-02-04 02:47:09.189
Mean = 1037.434
σ = 279.523
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1002.494
max = mean + 0.75 σ = 1247.076
Moon angle =160.61°
Moon phase =38.68%
Azimuth =97.43°
Elevation =80.79°
Hour Angle =-00:42:16.30°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

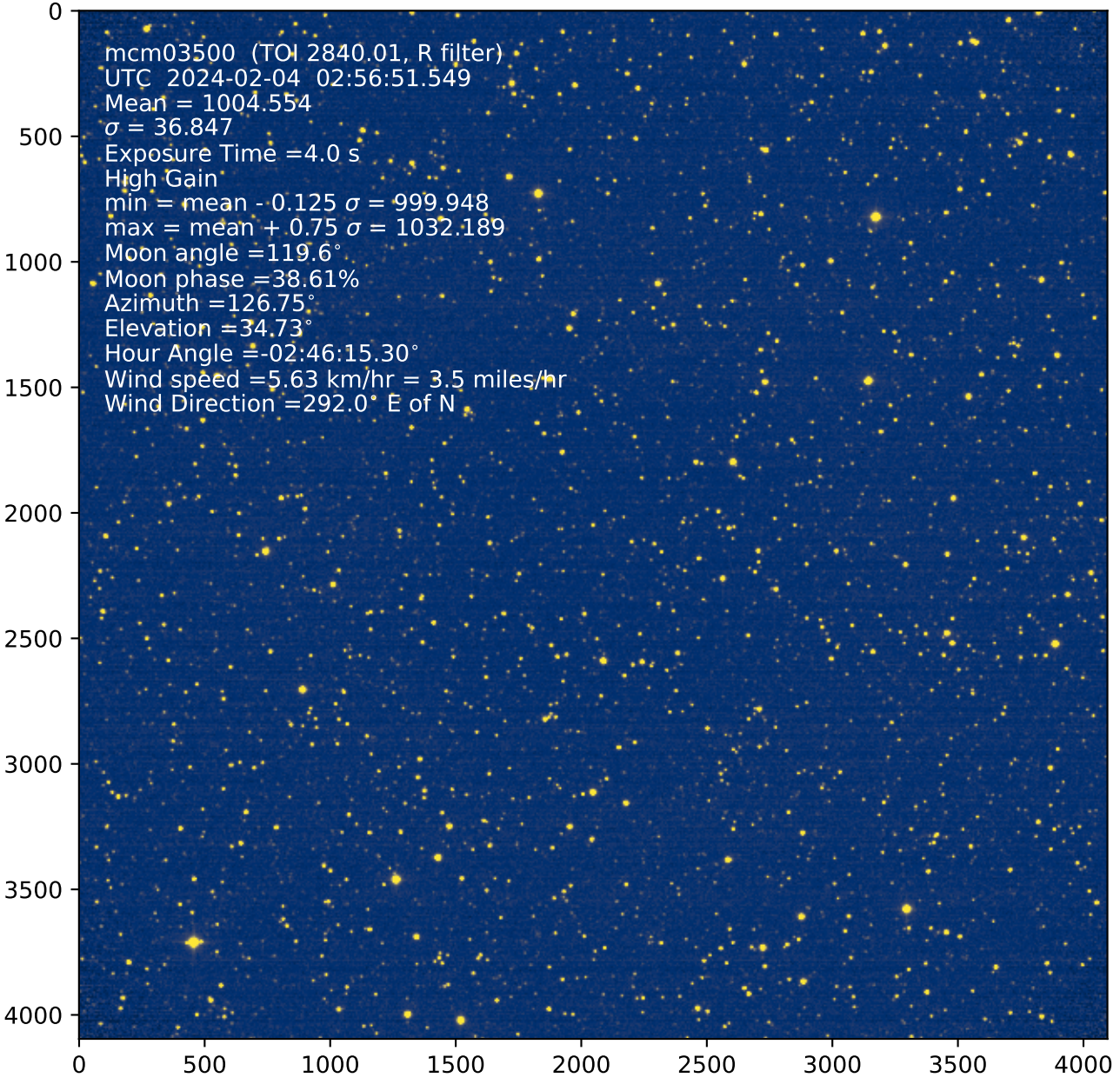

foc03506 (Focus, R filter)
UTC 2024-02-04 02:48:31.629
Mean = 1058.834
σ = 370.282
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1012.549
max = mean + 0.75 σ = 1336.545
Moon angle =160.63°
Moon phase =38.67%
Azimuth =97.85°
Elevation =81.08°
Hour Angle =-00:40:54.07°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

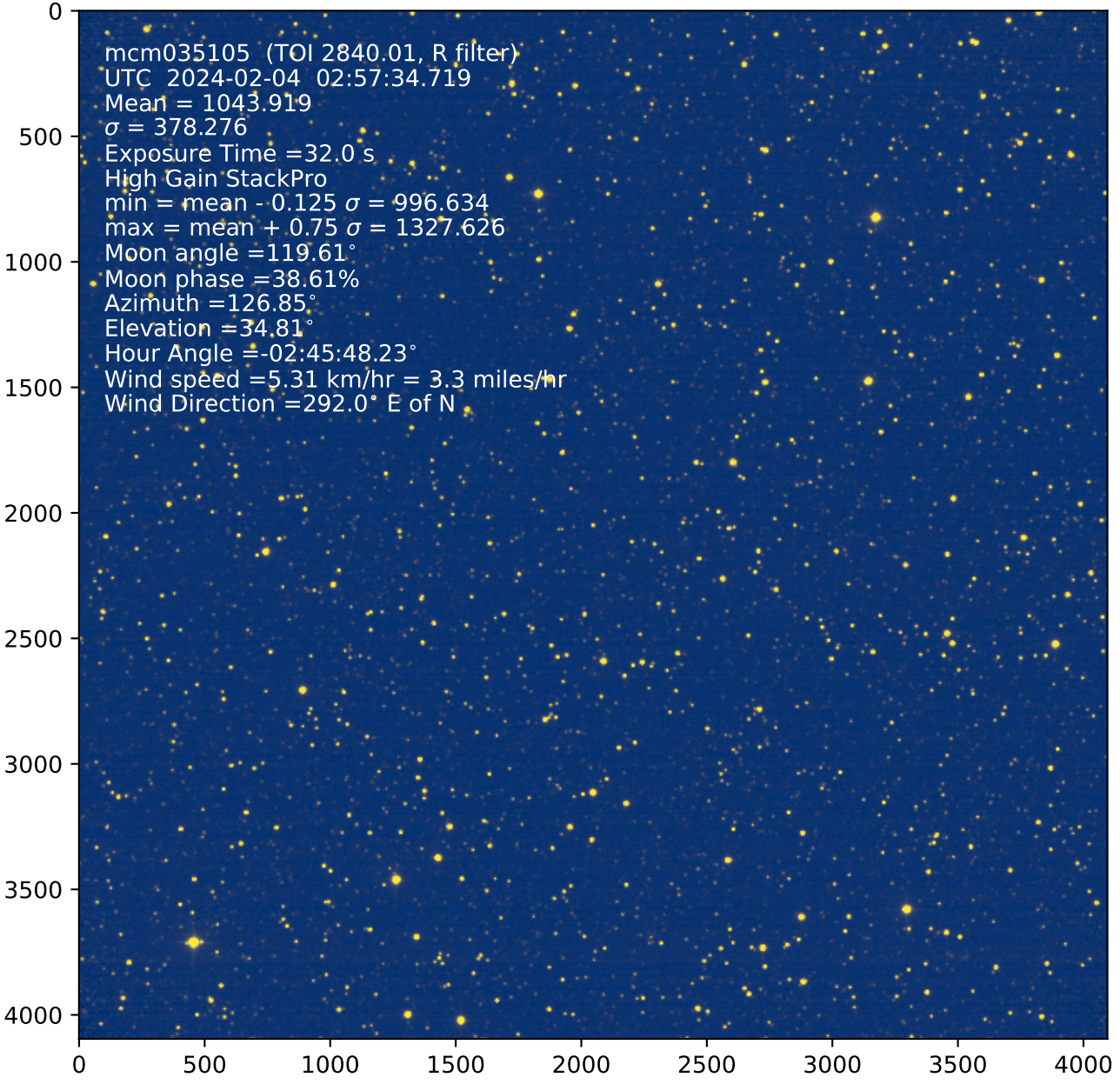

foc03505 (Focus, I filter)
UTC 2024-02-04 02:50:09.740
Mean = 1048.556
σ = 285.894
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1012.819
max = mean + 0.75 σ = 1262.977
Moon angle =171.59°
Moon phase =38.66%
Azimuth =251.65°
Elevation =85.27°
Hour Angle =00:20:46.46°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

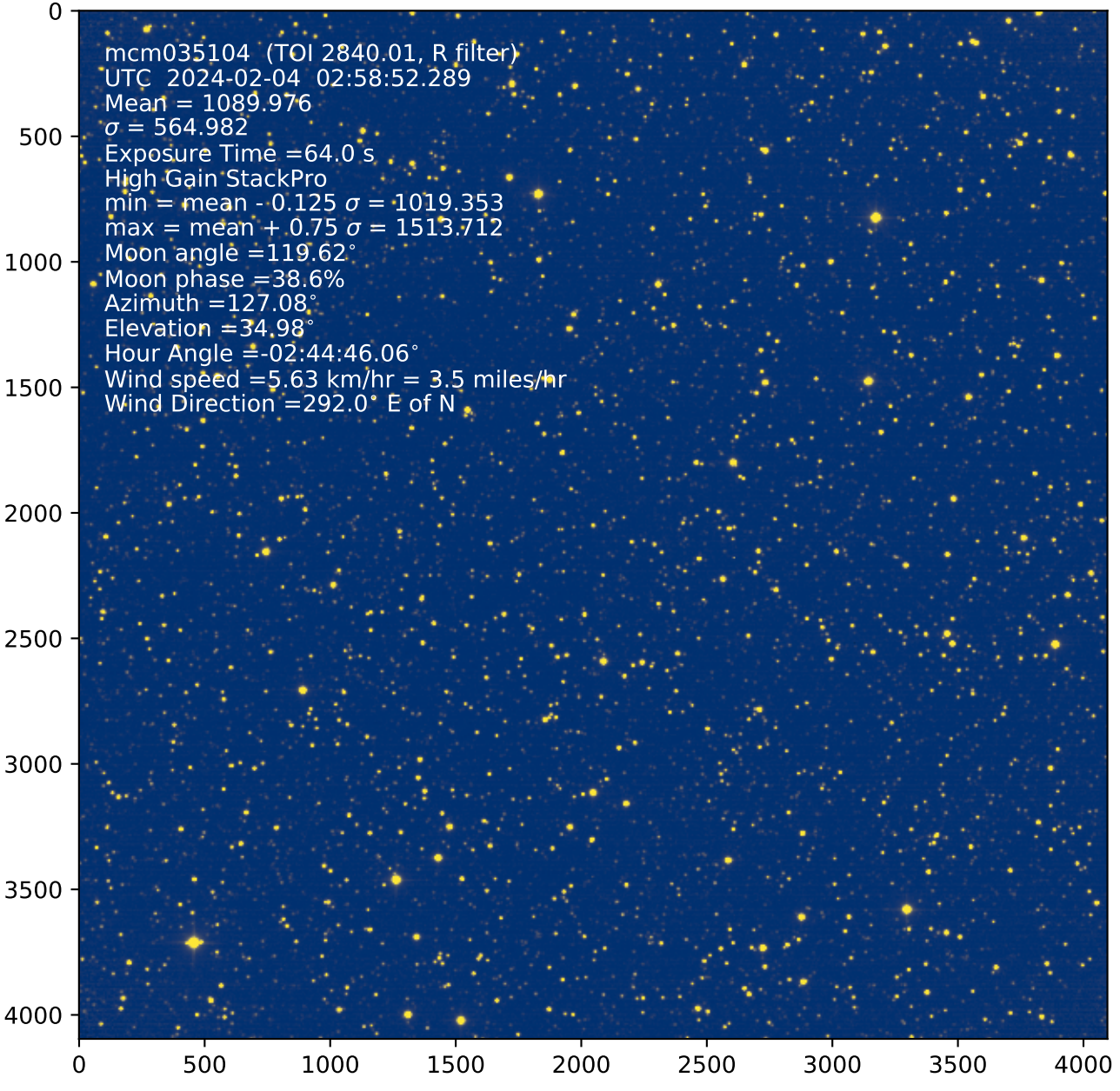

foc03504 (Focus, G filter)
UTC 2024-02-04 02:51:32.969
Mean = 1036.400
σ = 284.356
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1000.855
max = mean + 0.75 σ = 1249.666
Moon angle =171.6°
Moon phase =38.65%
Azimuth =252.9°
Elevation =84.98°
Hour Angle =00:22:10.69°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

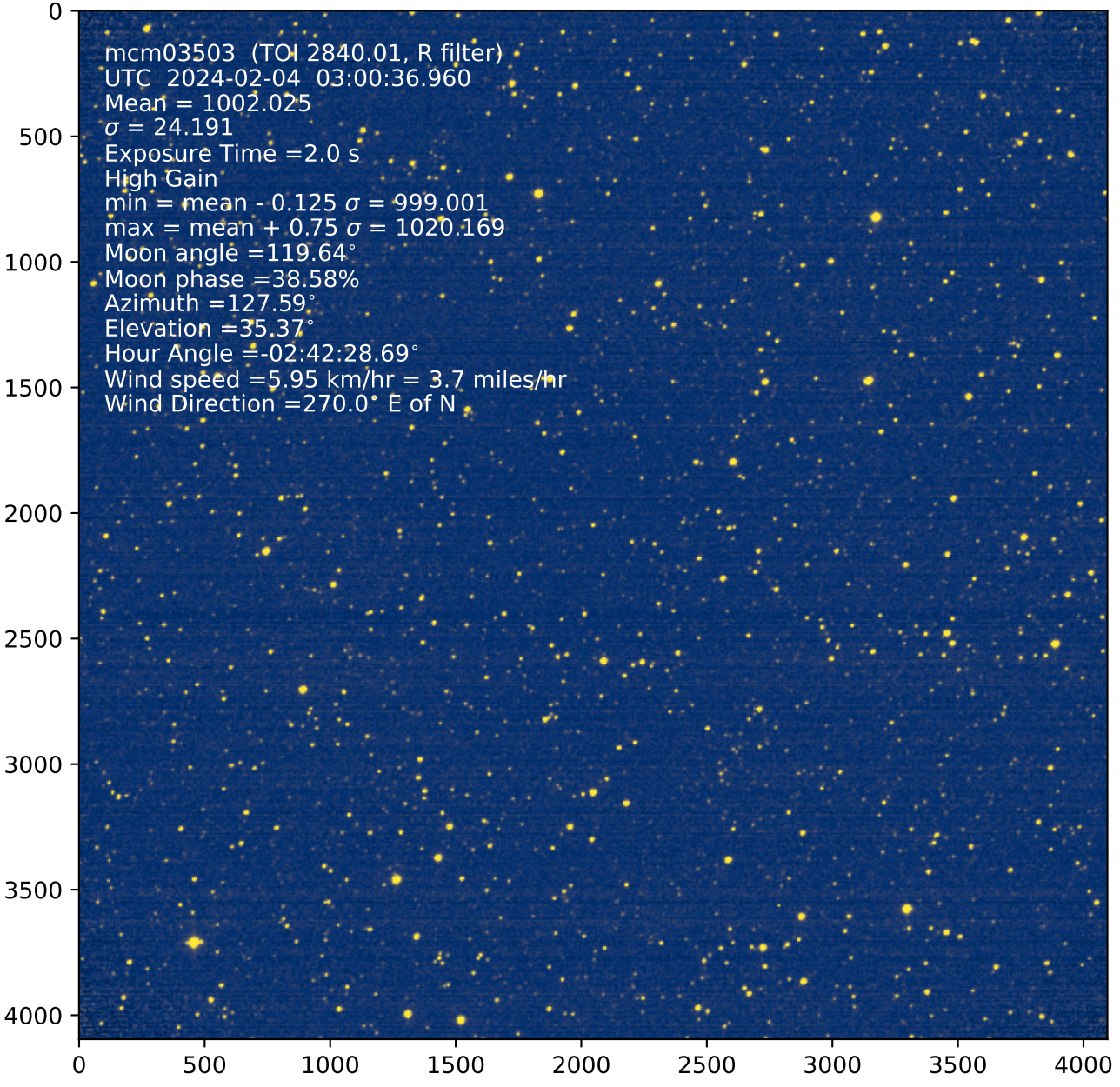

foc03503 (Focus, R filter)
UTC 2024-02-04 02:52:55.359
Mean = 1055.967
σ = 340.116
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1013.453
max = mean + 0.75 σ = 1311.054
Moon angle =171.61°
Moon phase =38.64%
Azimuth =254.0°
Elevation =84.7°
Hour Angle =00:23:32.91°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

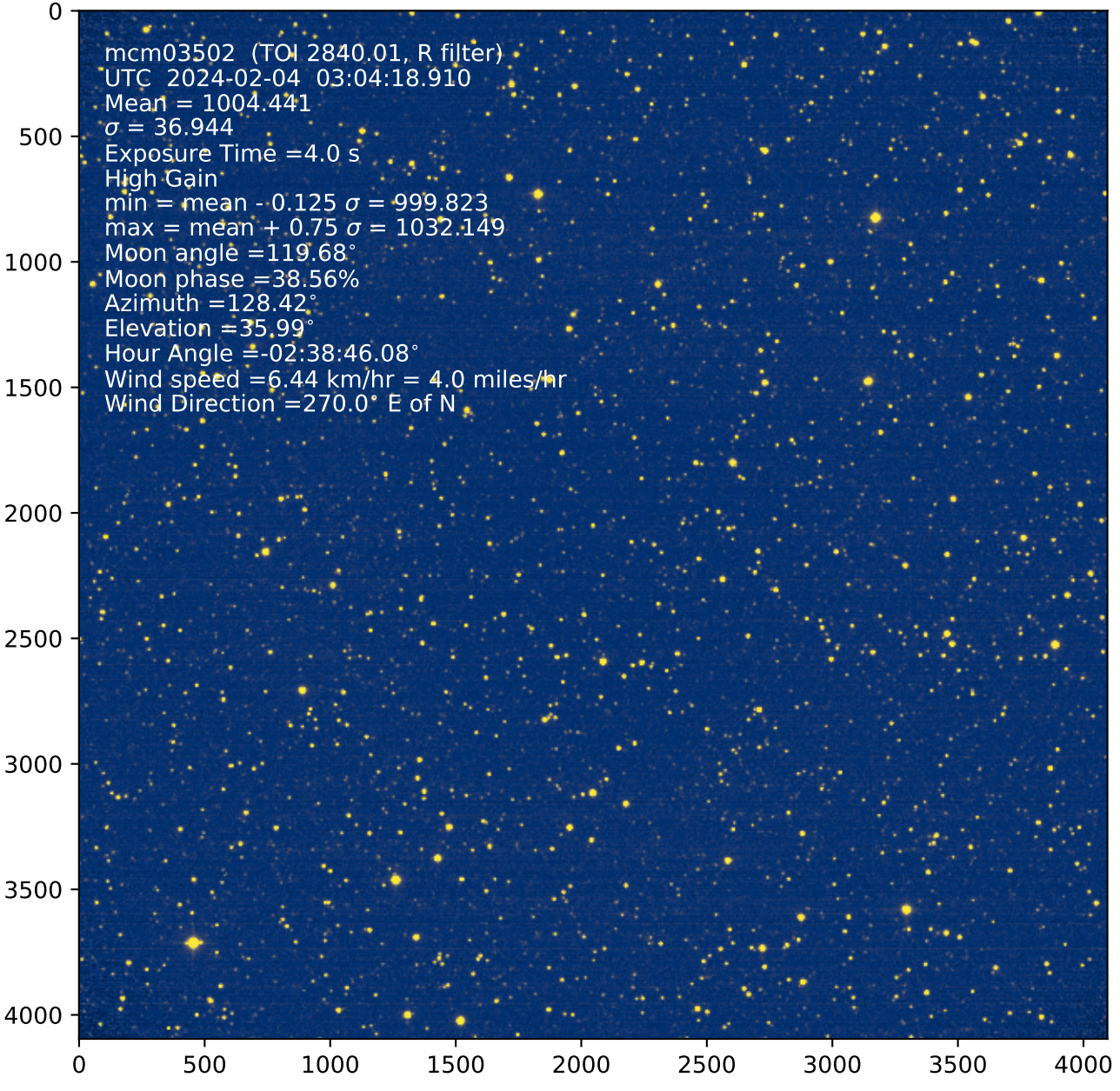

mcm03501 (TOI-2840.01, R filter)
UTC 2024-02-04 02:54:47.86
Mean = 1002.146
σ = 20.142
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 999.628
max = mean + 0.75 σ = 1017.252
Moon angle =119.58°
Moon phase =38.62%
Azimuth =126.3°
Elevation =34.38°
Hour Angle =-02:48:19.64°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

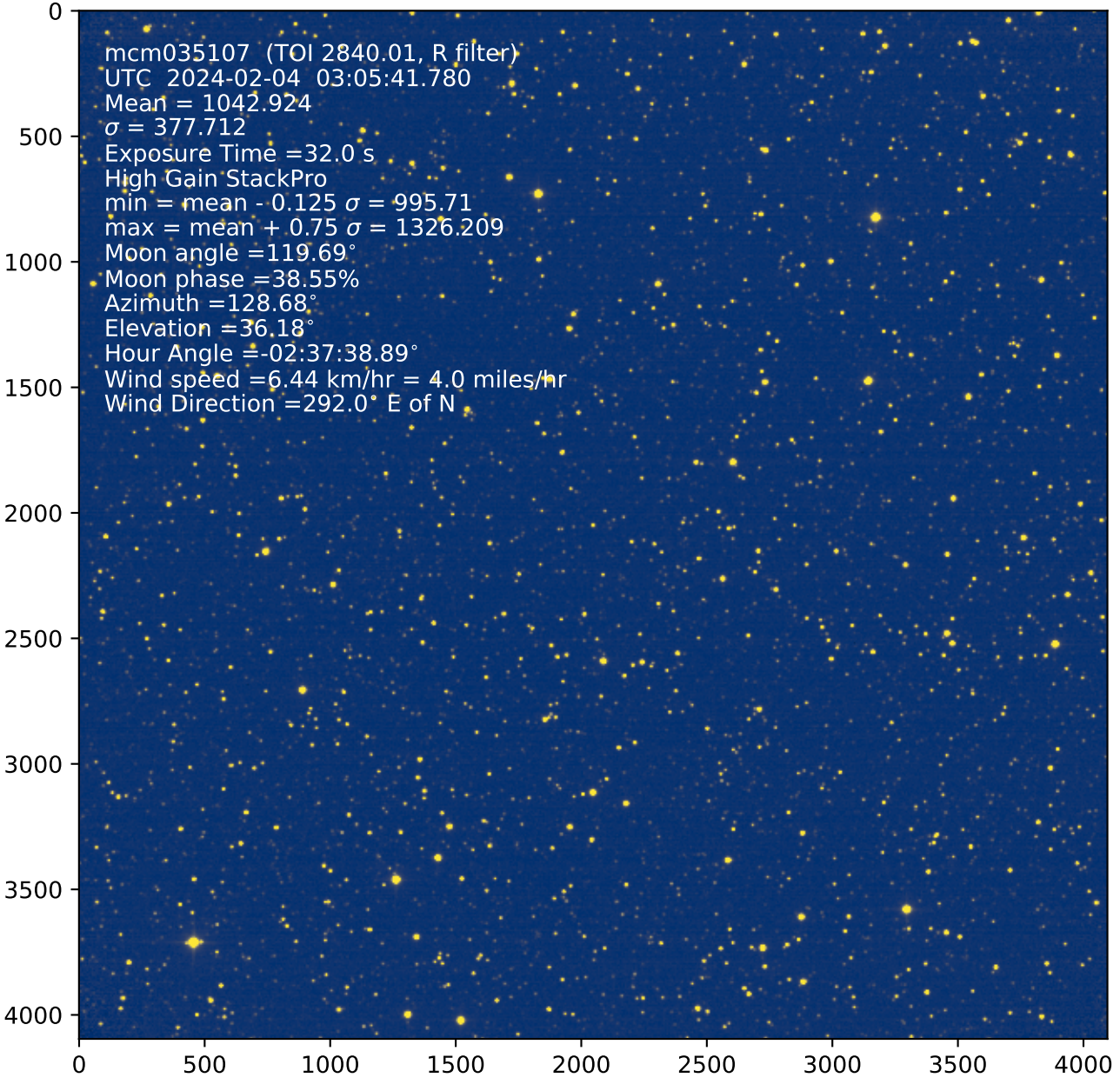

mcm03500 (TOI 2840.01, R filter)
UTC 2024-02-04 02:56:51.549
Mean = 1004.554
σ = 36.847
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.948
max = mean + 0.75 σ = 1032.189
Moon angle =119.6°
Moon phase =38.61%
Azimuth =126.75°
Elevation =34.73°
Hour Angle =-02:46:15.30°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

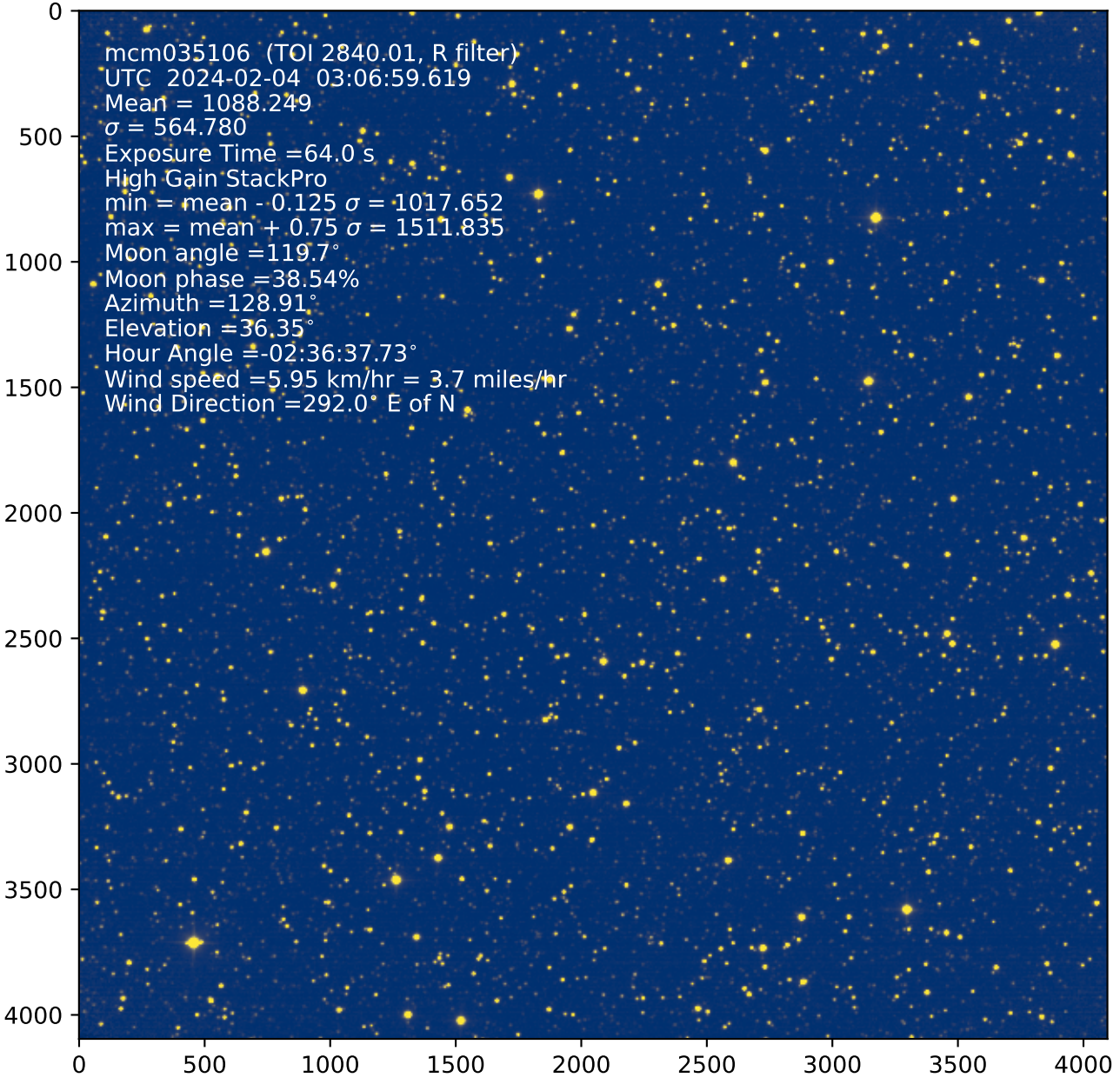

mcm035105 (TOI 2840.01, R filter)
UTC 2024-02-04 02:57:34.719
Mean = 1043.919
σ = 378.276
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.634
max = mean + 0.75 σ = 1327.626
Moon angle =119.61°
Moon phase =38.61%
Azimuth =126.85°
Elevation =34.81°
Hour Angle =-02:45:48.23°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

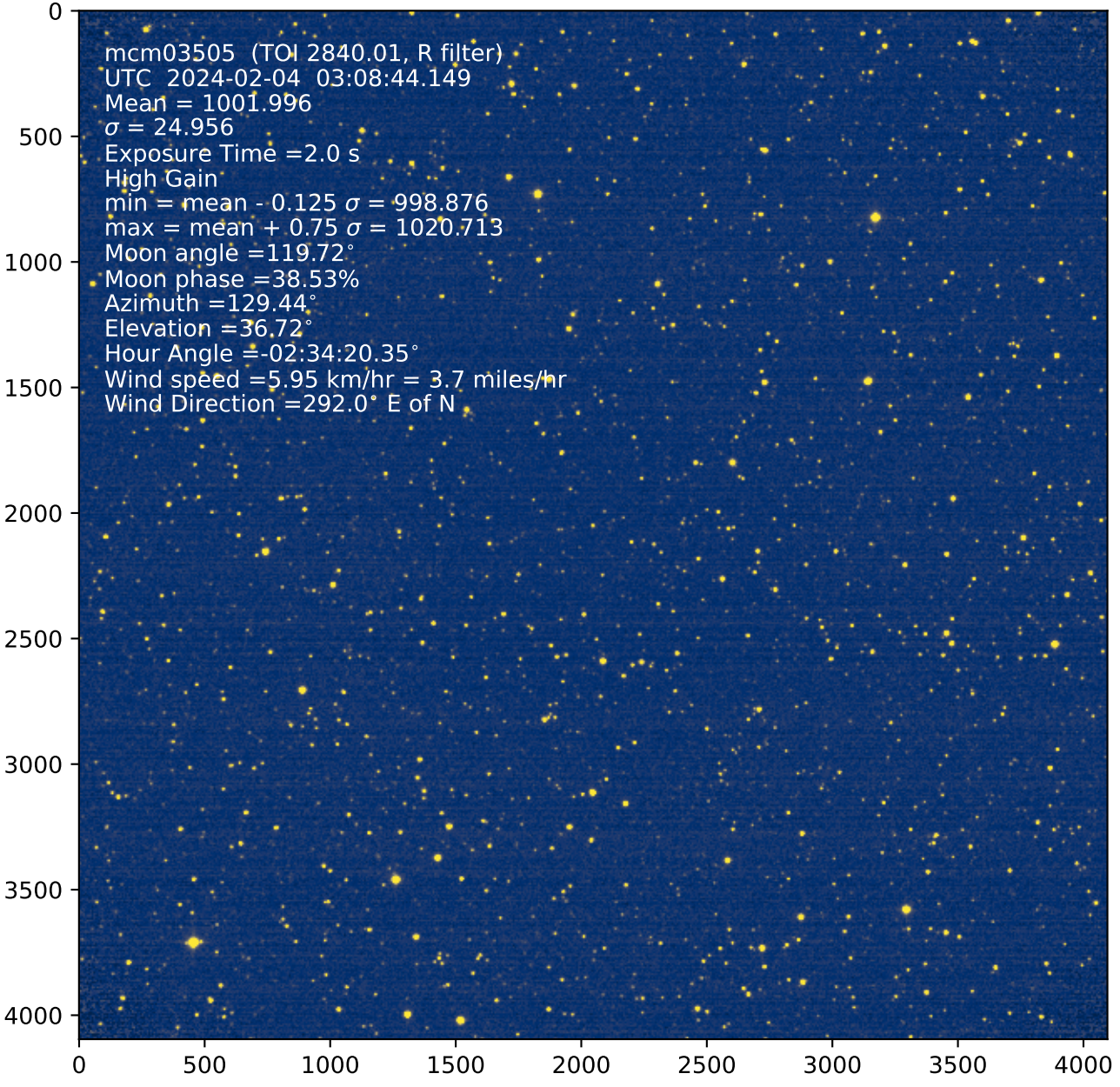

mcm035104 (TOI 2840.01, R filter)
UTC 2024-02-04 02:58:52.289
Mean = 1089.976
σ = 564.982
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1019.353
max = mean + 0.75 σ = 1513.712
Moon angle =119.62°
Moon phase =38.6%
Azimuth =127.08°
Elevation =34.98°
Hour Angle =-02:44:46.06°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

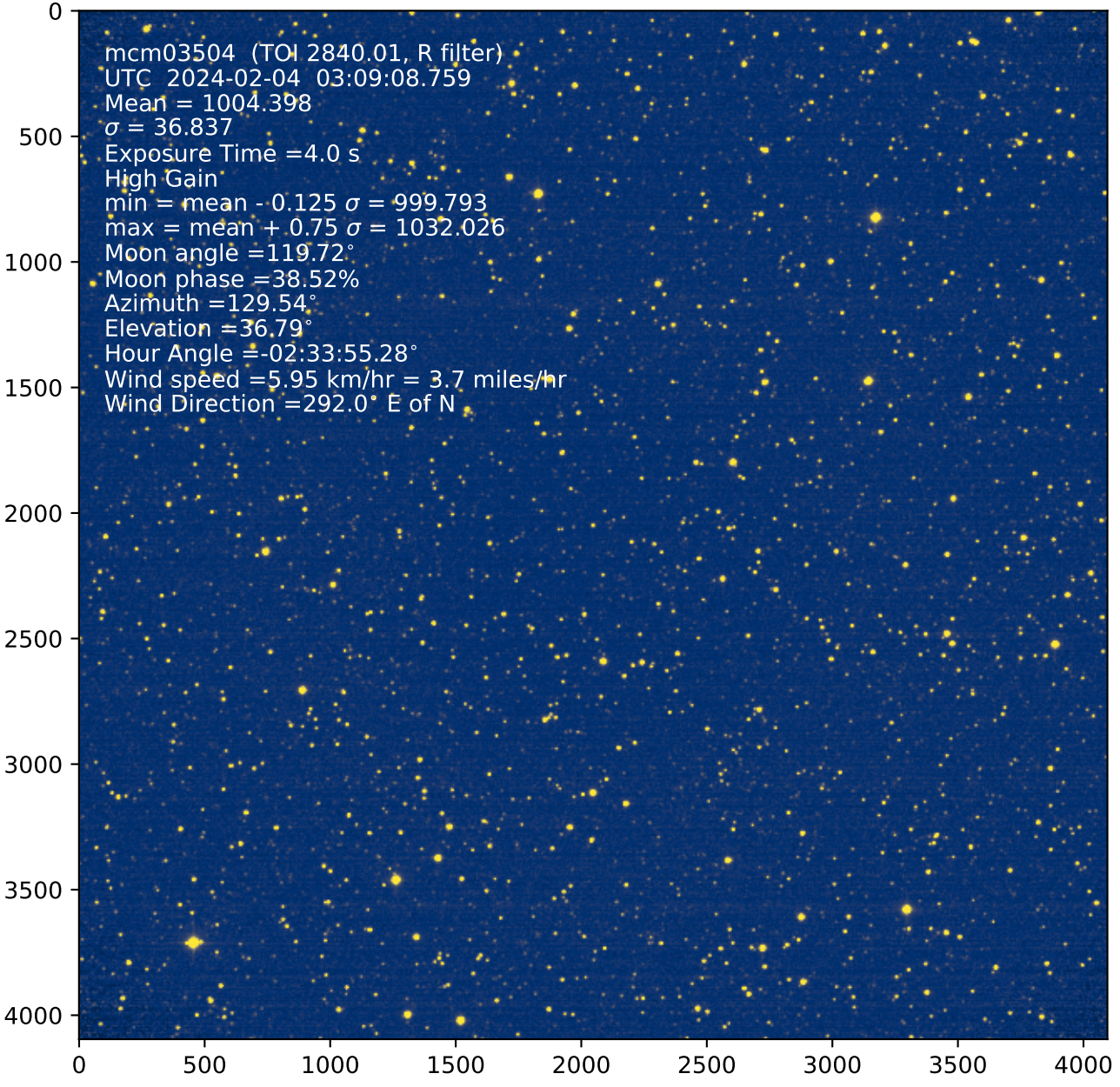

mcm03503 (TOI 2840.01, R filter)
UTC 2024-02-04 03:00:36.960
Mean = 1002.025
σ = 24.191
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 999.001
max = mean + 0.75 σ = 1020.169
Moon angle =119.64°
Moon phase =38.58%
Azimuth =127.59°
Elevation =35.37°
Hour Angle =-02:42:28.69°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

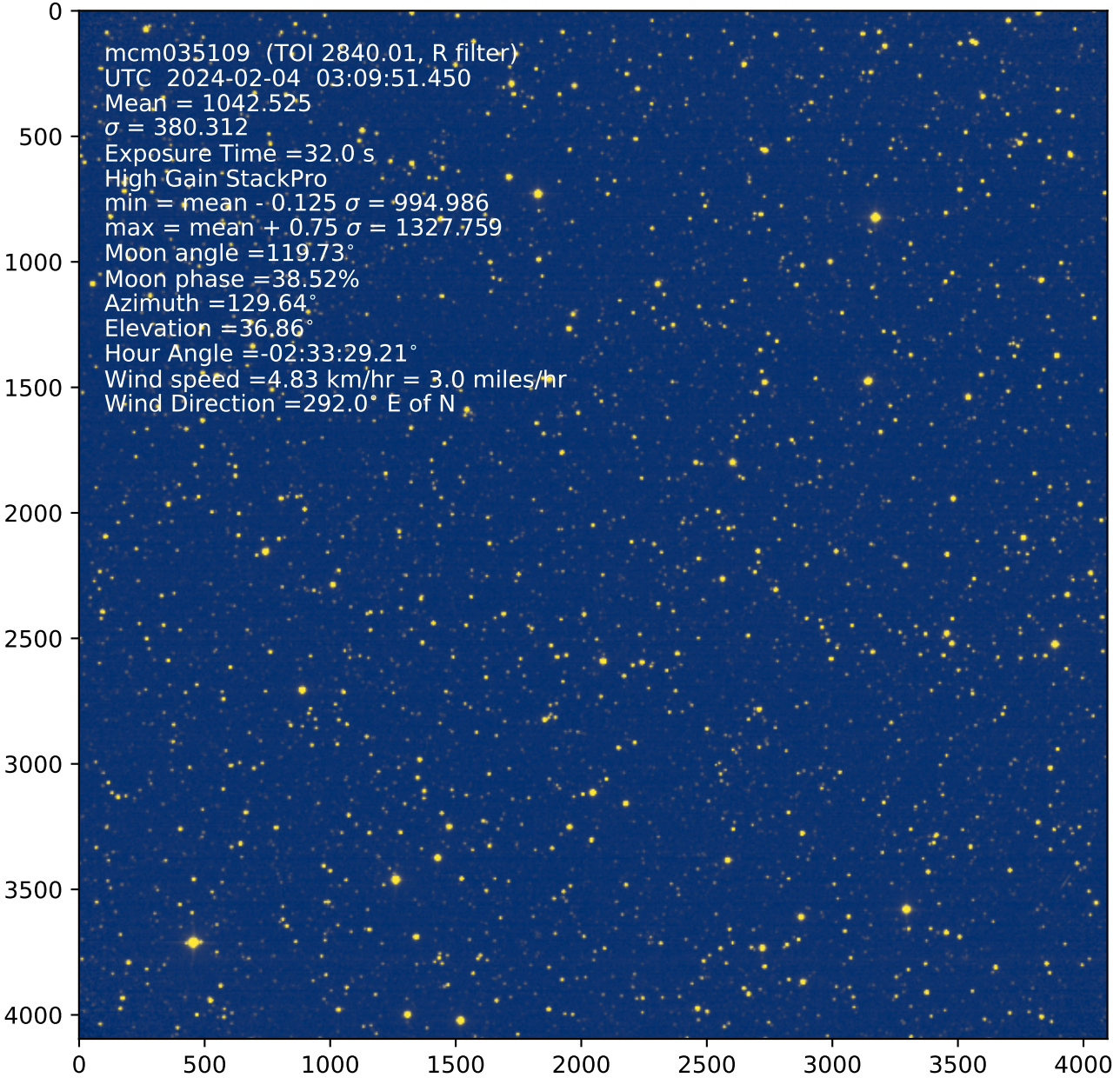

mcm03502 (TOI 2840.01, R filter)
UTC 2024-02-04 03:04:18.910
Mean = 1004.441
σ = 36.944
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.823
max = mean + 0.75 σ = 1032.149
Moon angle =119.68°
Moon phase =38.56%
Azimuth =128.42°
Elevation =35.99°
Hour Angle =-02:38:46.08°
Wind speed =6.44 km/hr = 4.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

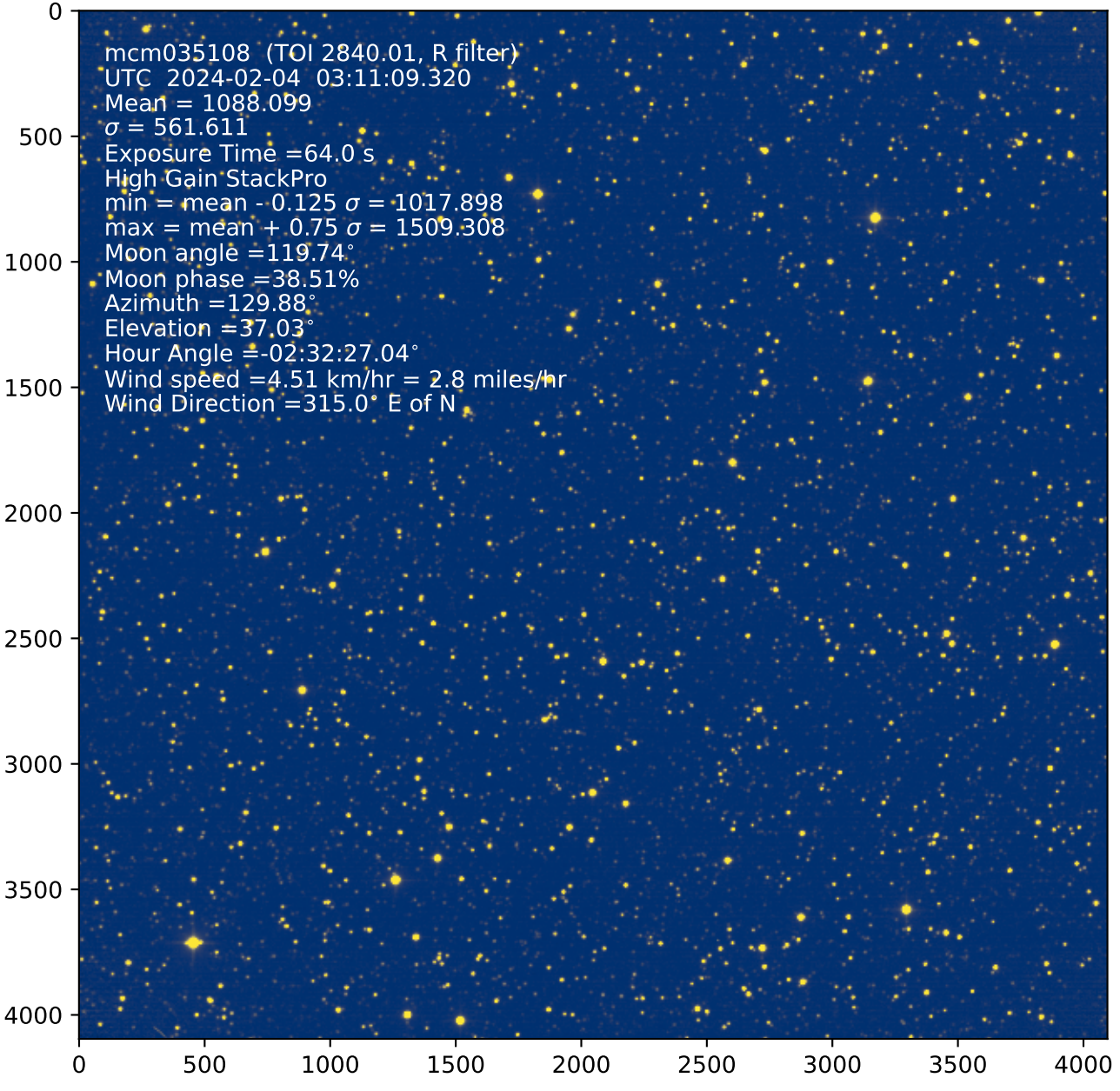

mcm035107 (TOI 2840.01, R filter)
UTC 2024-02-04 03:05:41.780
Mean = 1042.924
σ = 377.712
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.71
max = mean + 0.75 σ = 1326.209
Moon angle =119.69°
Moon phase =38.55%
Azimuth =128.68°
Elevation =36.18°
Hour Angle =-02:37:38.89°
Wind speed =6.44 km/hr = 4.0 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

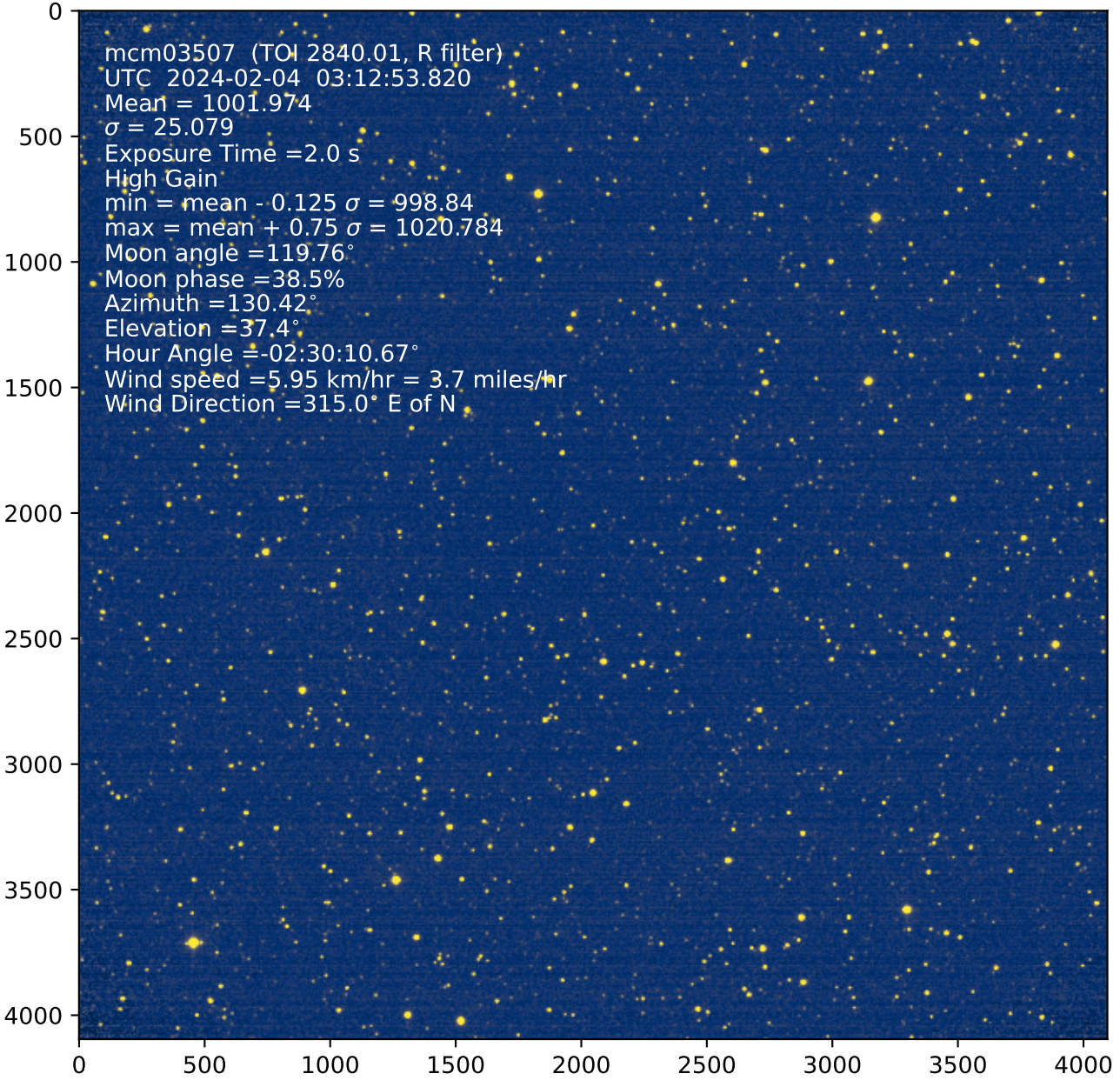

mcm035106 (TOI 2840.01, R filter)
UTC 2024-02-04 03:06:59.619
Mean = 1088.249
σ = 564.780
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1017.652
max = mean + 0.75 σ = 1511.835
Moon angle =119.7°
Moon phase =38.54%
Azimuth =128.91°
Elevation =36.35°
Hour Angle =-02:36:37.73°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

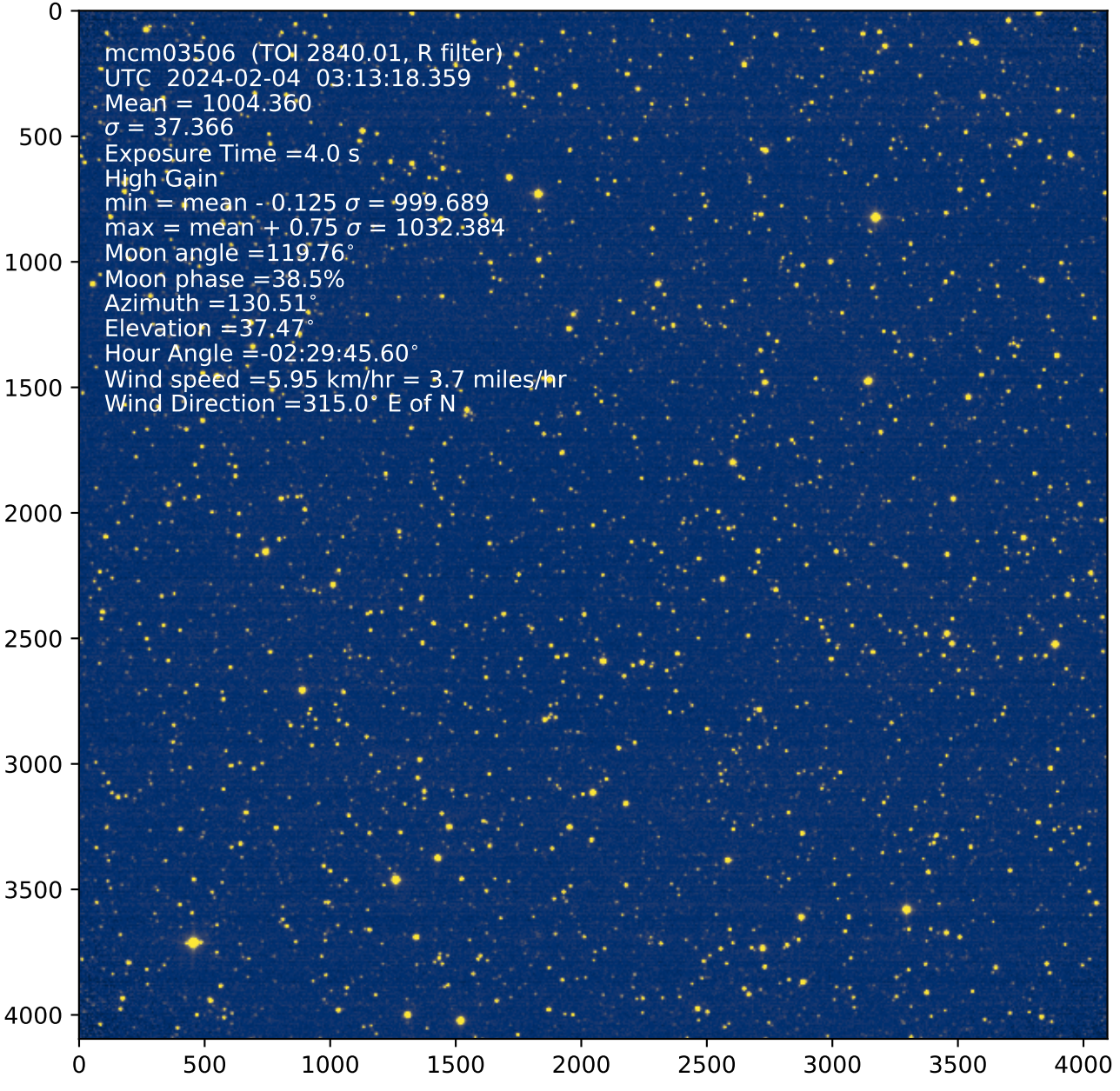

mcm03505 (TOI 2840.01, R filter)
UTC 2024-02-04 03:08:44.149
Mean = 1001.996
σ = 24.956
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.876
max = mean + 0.75 σ = 1020.713
Moon angle =119.72°
Moon phase =38.53%
Azimuth =129.44°
Elevation =36.72°
Hour Angle =-02:34:20.35°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

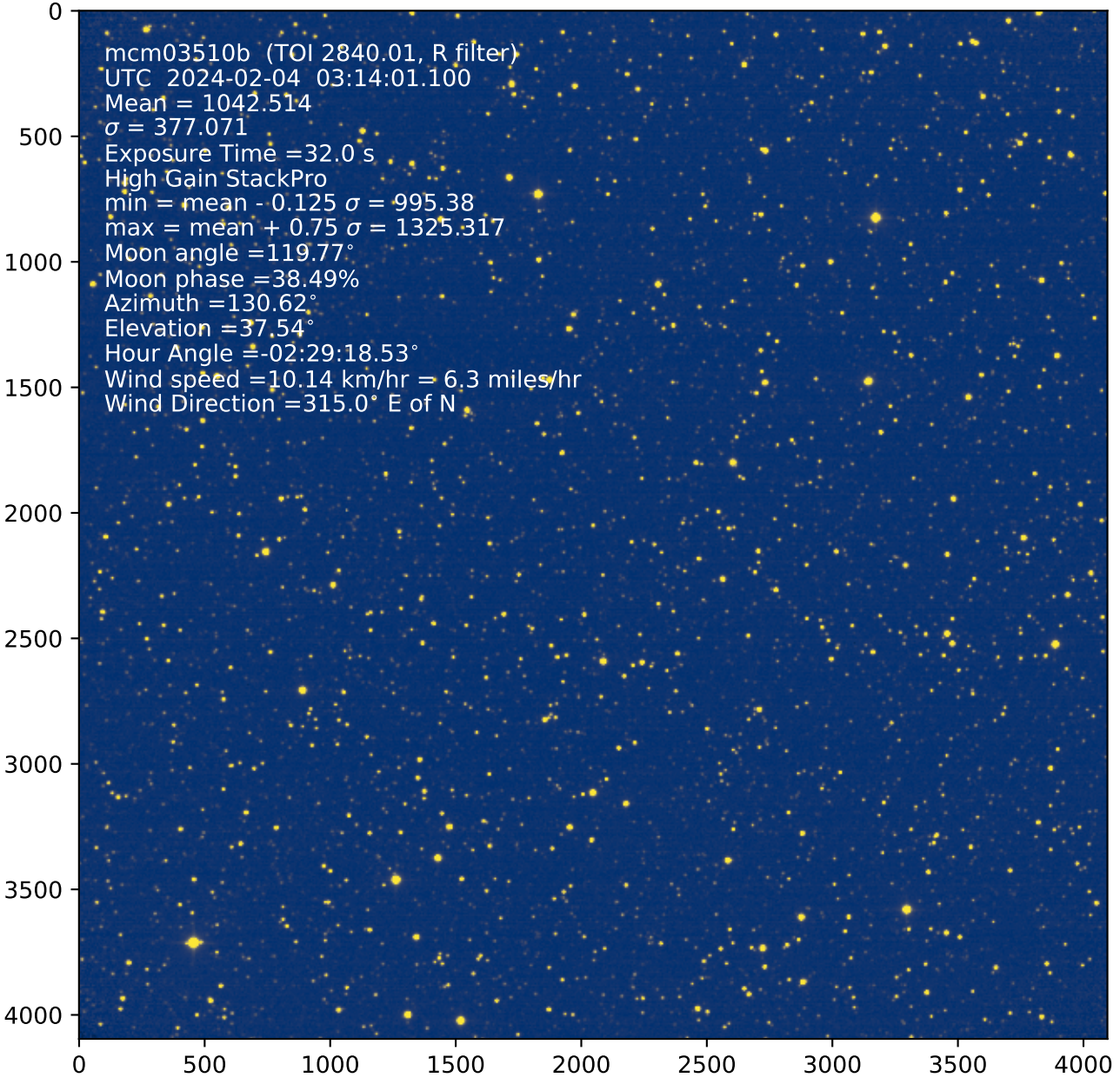

mcm03504 (TOI 2840.01, R filter)
UTC 2024-02-04 03:09:08.759
Mean = 1004.398
σ = 36.837
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.793
max = mean + 0.75 σ = 1032.026
Moon angle =119.72°
Moon phase =38.52%
Azimuth =129.54°
Elevation =36.79°
Hour Angle =-02:33:55.28°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

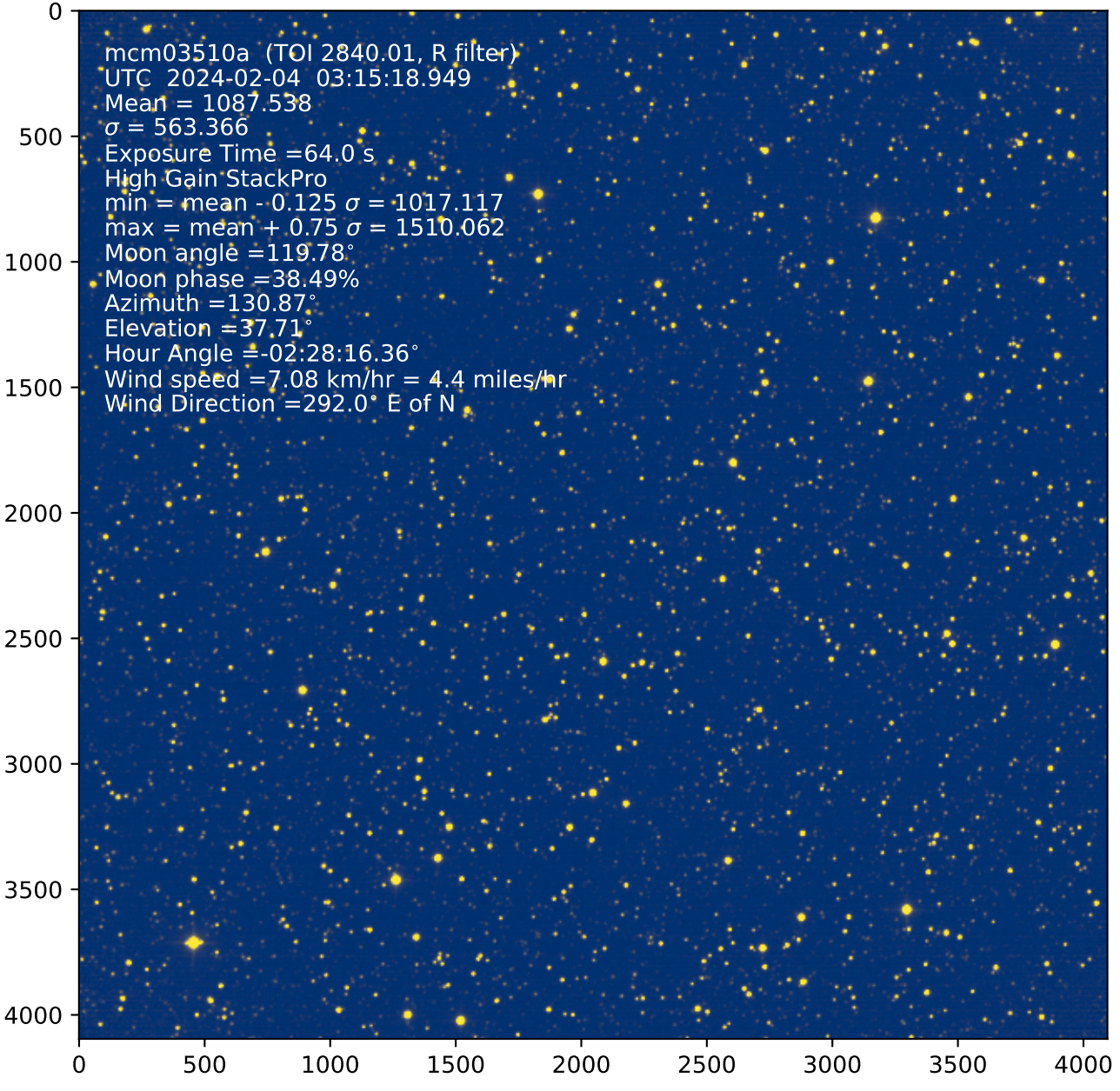

mcm035109 (TOI 2840.01, R filter)
UTC 2024-02-04 03:09:51.450
Mean = 1042.525
σ = 380.312
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.986
max = mean + 0.75 σ = 1327.759
Moon angle =119.73°
Moon phase =38.52%
Azimuth =129.64°
Elevation =36.86°
Hour Angle =-02:33:29.21°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

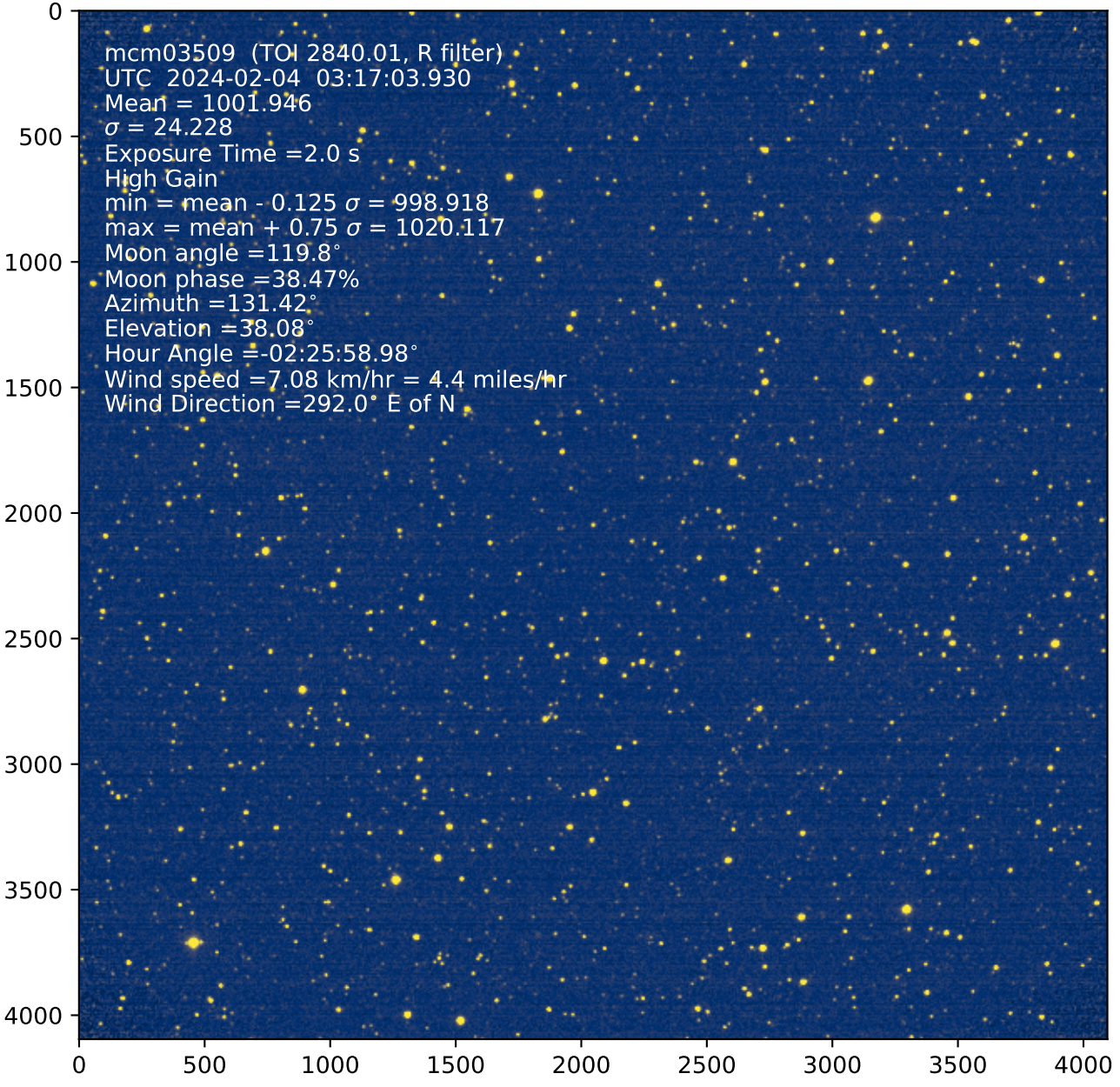

mcm035108 (TOI 2840.01, R filter)
UTC 2024-02-04 03:11:09.320
Mean = 1088.099
σ = 561.611
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1017.898
max = mean + 0.75 σ = 1509.308
Moon angle =119.74°
Moon phase =38.51%
Azimuth =129.88°
Elevation =37.03°
Hour Angle =-02:32:27.04°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

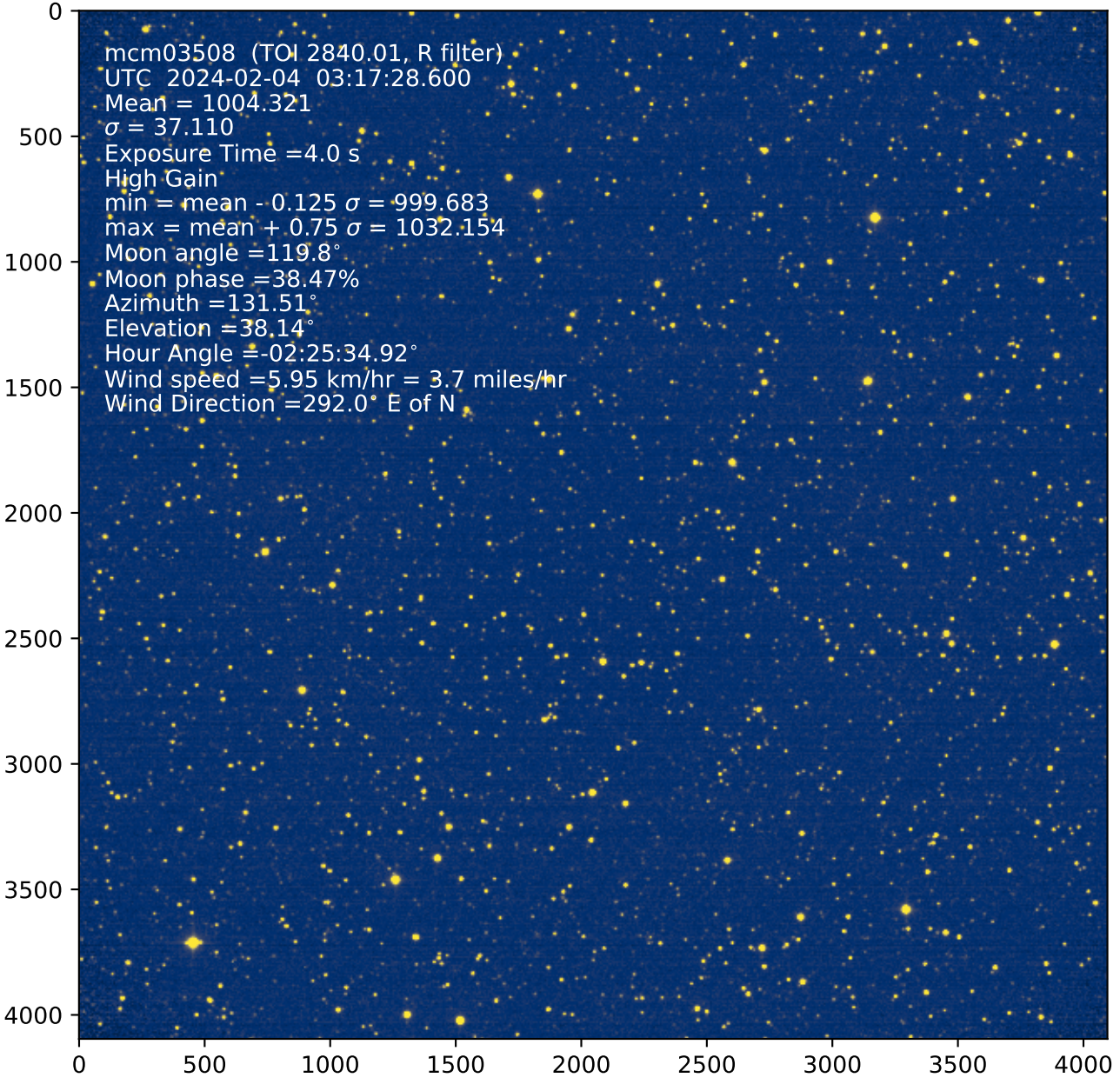

mcm03507 (TOI 2840.01, R filter)
UTC 2024-02-04 03:12:53.820
Mean = 1001.974
σ = 25.079
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.84
max = mean + 0.75 σ = 1020.784
Moon angle =119.76°
Moon phase =38.5%
Azimuth =130.42°
Elevation =37.4°
Hour Angle =-02:30:10.67°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

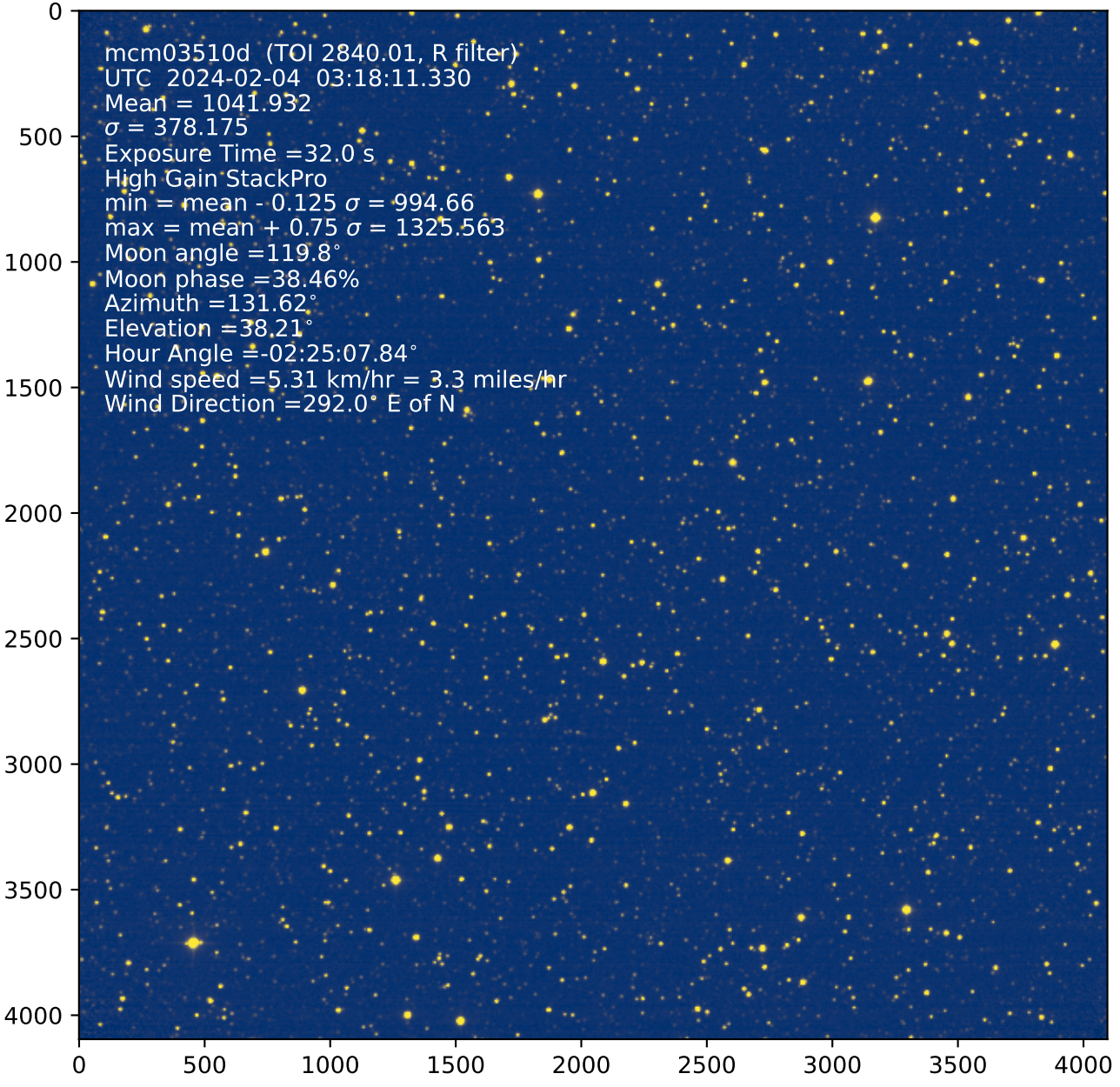

mcm03506 (TOI 2840.01, R filter)
UTC 2024-02-04 03:13:18.359
Mean = 1004.360
σ = 37.366
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.689
max = mean + 0.75 σ = 1032.384
Moon angle =119.76°
Moon phase =38.5%
Azimuth =130.51°
Elevation =37.47°
Hour Angle =-02:29:45.60°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

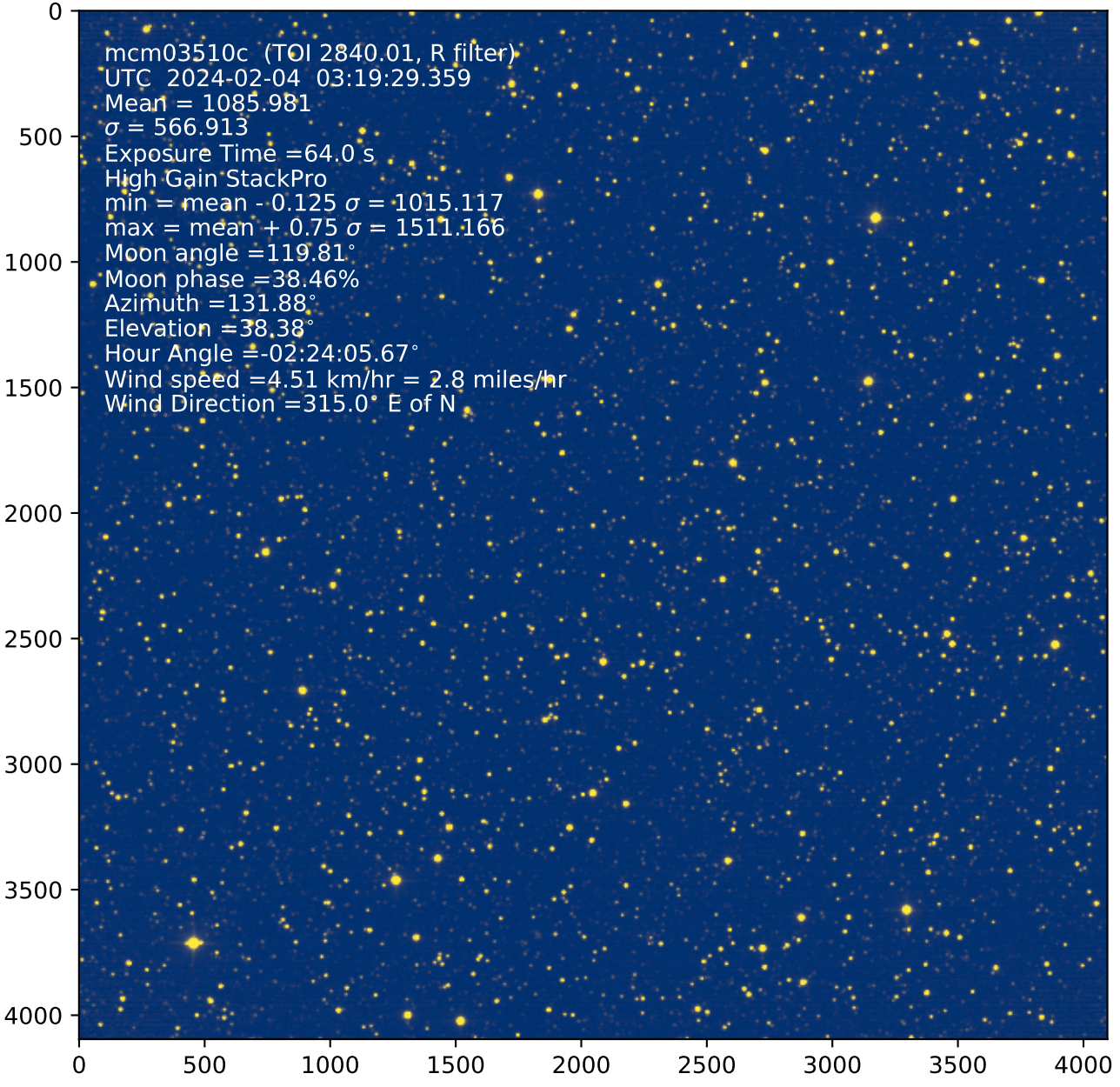

mcm03510b (TOI 2840.01, R filter)
UTC 2024-02-04 03:14:01.100
Mean = 1042.514
σ = 377.071
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.38
max = mean + 0.75 σ = 1325.317
Moon angle =119.77°
Moon phase =38.49%
Azimuth =130.62°
Elevation =37.54°
Hour Angle =-02:29:18.53°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

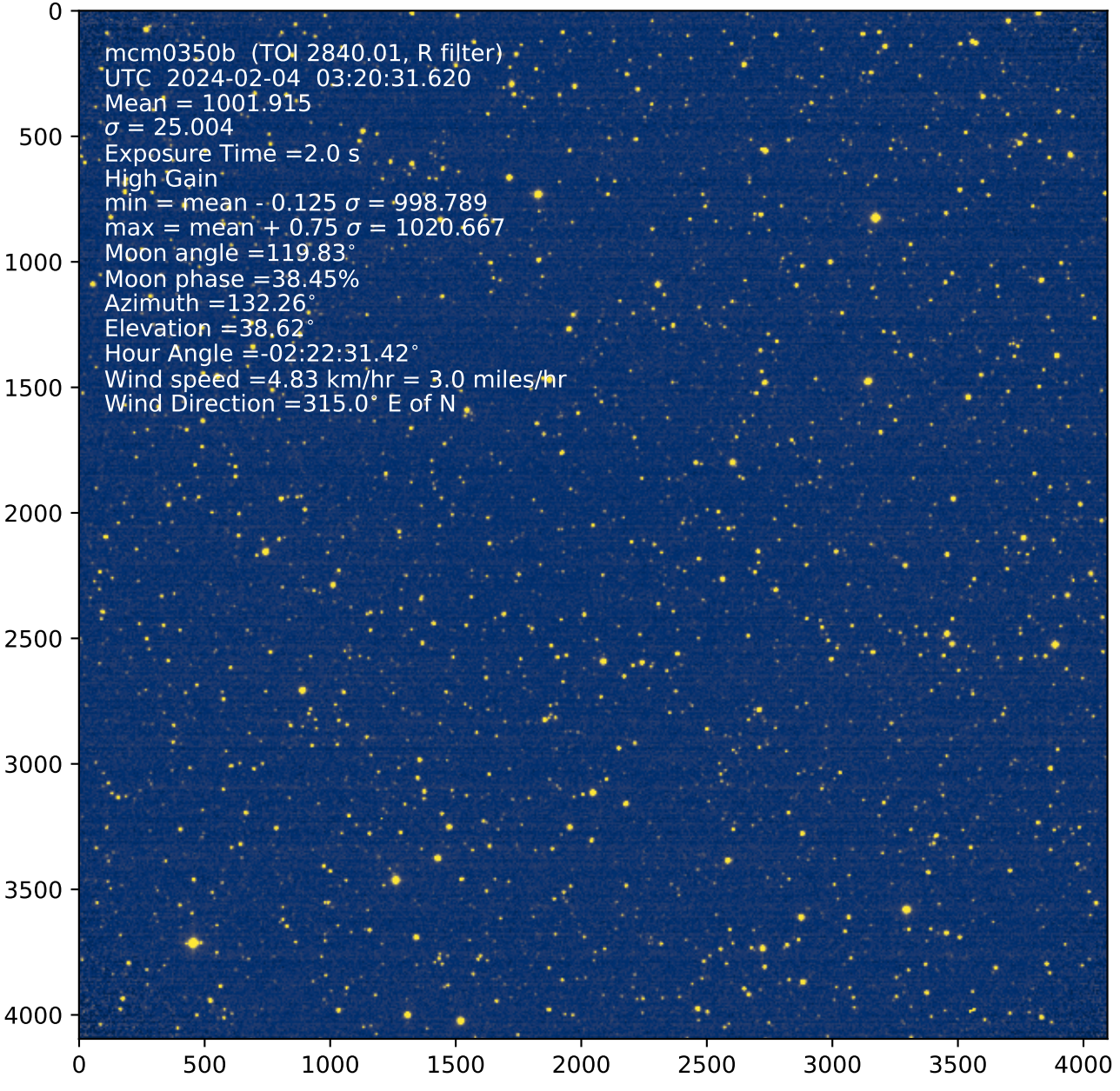

mcm03510a (TOI 2840.01, R filter)
UTC 2024-02-04 03:15:18.949
Mean = 1087.538
σ = 563.366
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1017.117
max = mean + 0.75 σ = 1510.062
Moon angle =119.78°
Moon phase =38.49%
Azimuth =130.87°
Elevation =37.71°
Hour Angle =-02:28:16.36°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

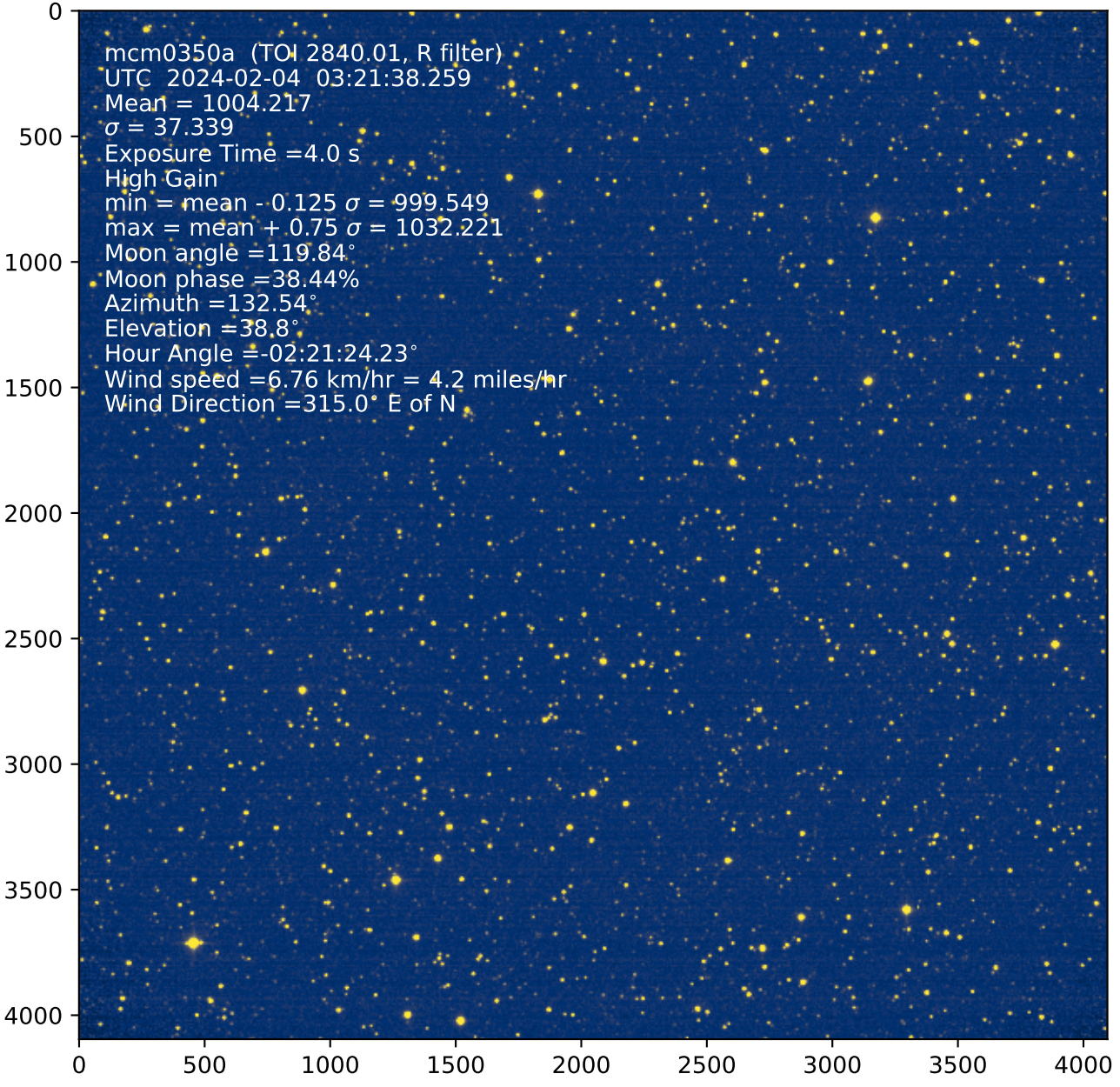

mcm03509 (TOI 2840.01, R filter)
UTC 2024-02-04 03:17:03.930
Mean = 1001.946
σ = 24.228
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.918
max = mean + 0.75 σ = 1020.117
Moon angle =119.8°
Moon phase =38.47%
Azimuth =131.42°
Elevation =38.08°
Hour Angle =-02:25:58.98°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

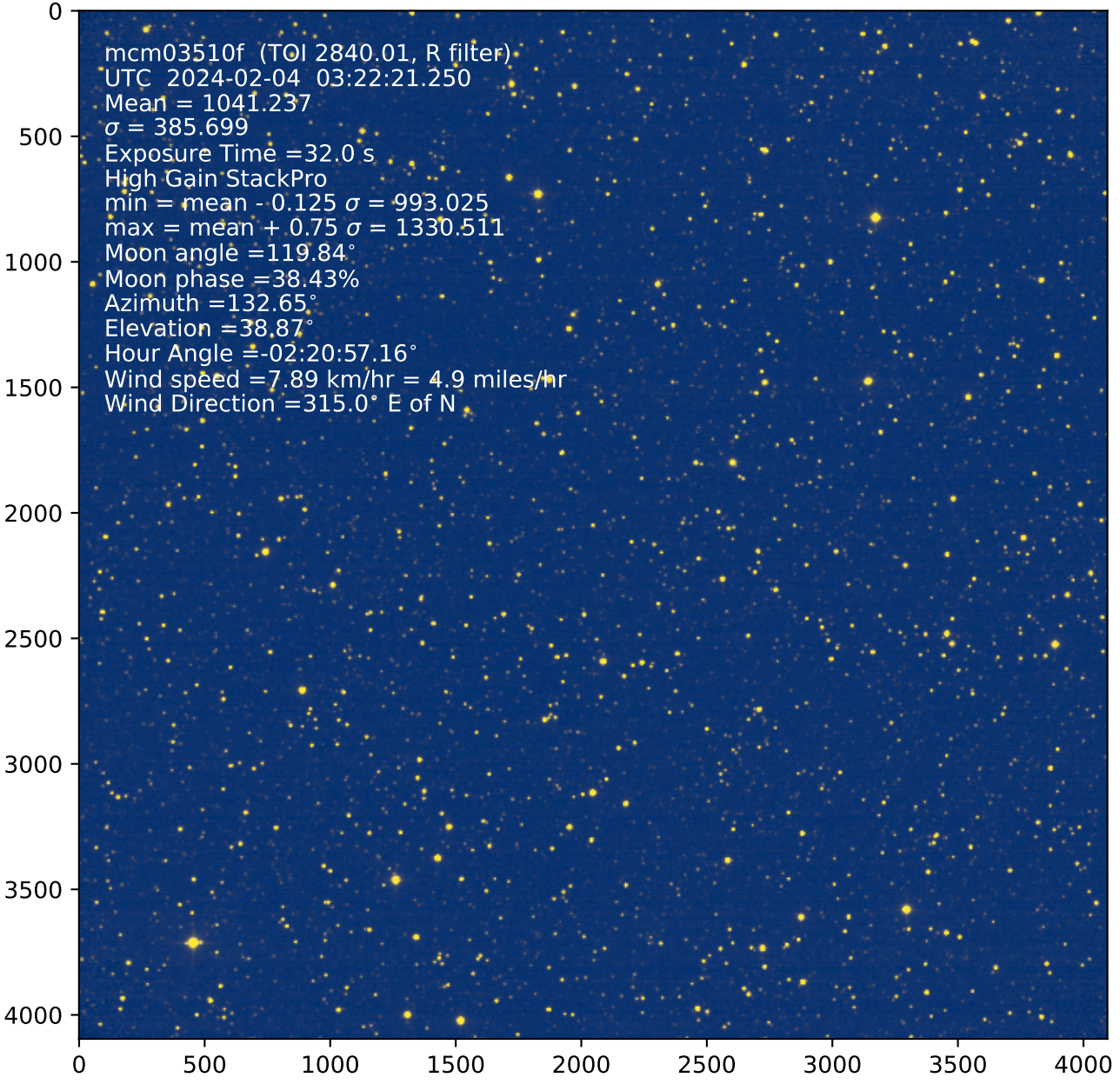

mcm03508 (TOI 2840.01, R filter)
UTC 2024-02-04 03:17:28.600
Mean = 1004.321
σ = 37.110
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.683
max = mean + 0.75 σ = 1032.154
Moon angle =119.8°
Moon phase =38.47%
Azimuth =131.51°
Elevation =38.14°
Hour Angle =-02:25:34.92°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

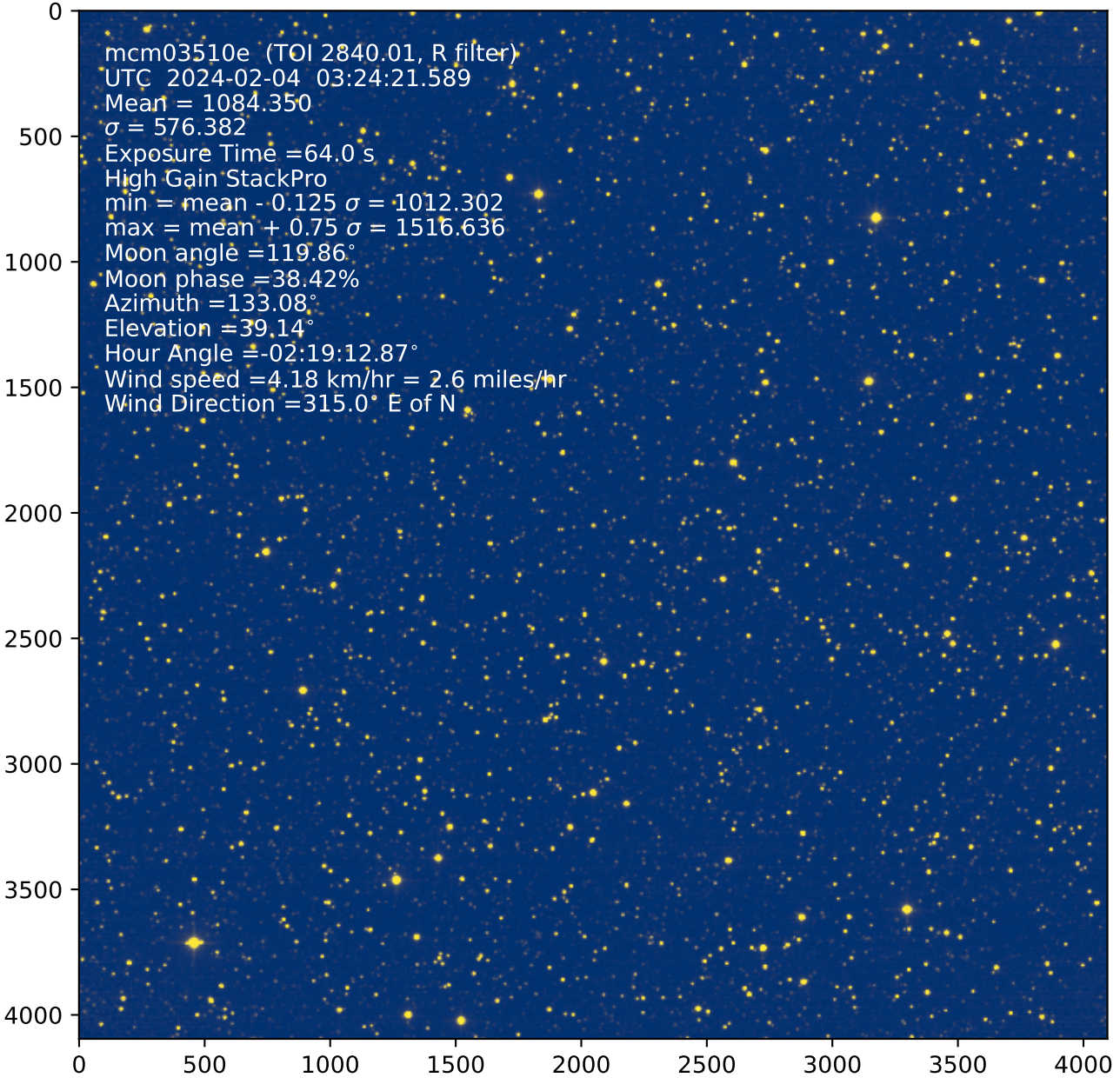

mcm03510d (TOI 2840.01, R filter)
UTC 2024-02-04 03:18:11.330
Mean = 1041.932
σ = 378.175
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.66
max = mean + 0.75 σ = 1325.563
Moon angle =119.8°
Moon phase =38.46%
Azimuth =131.62°
Elevation =38.21°
Hour Angle =-02:25:07.84°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

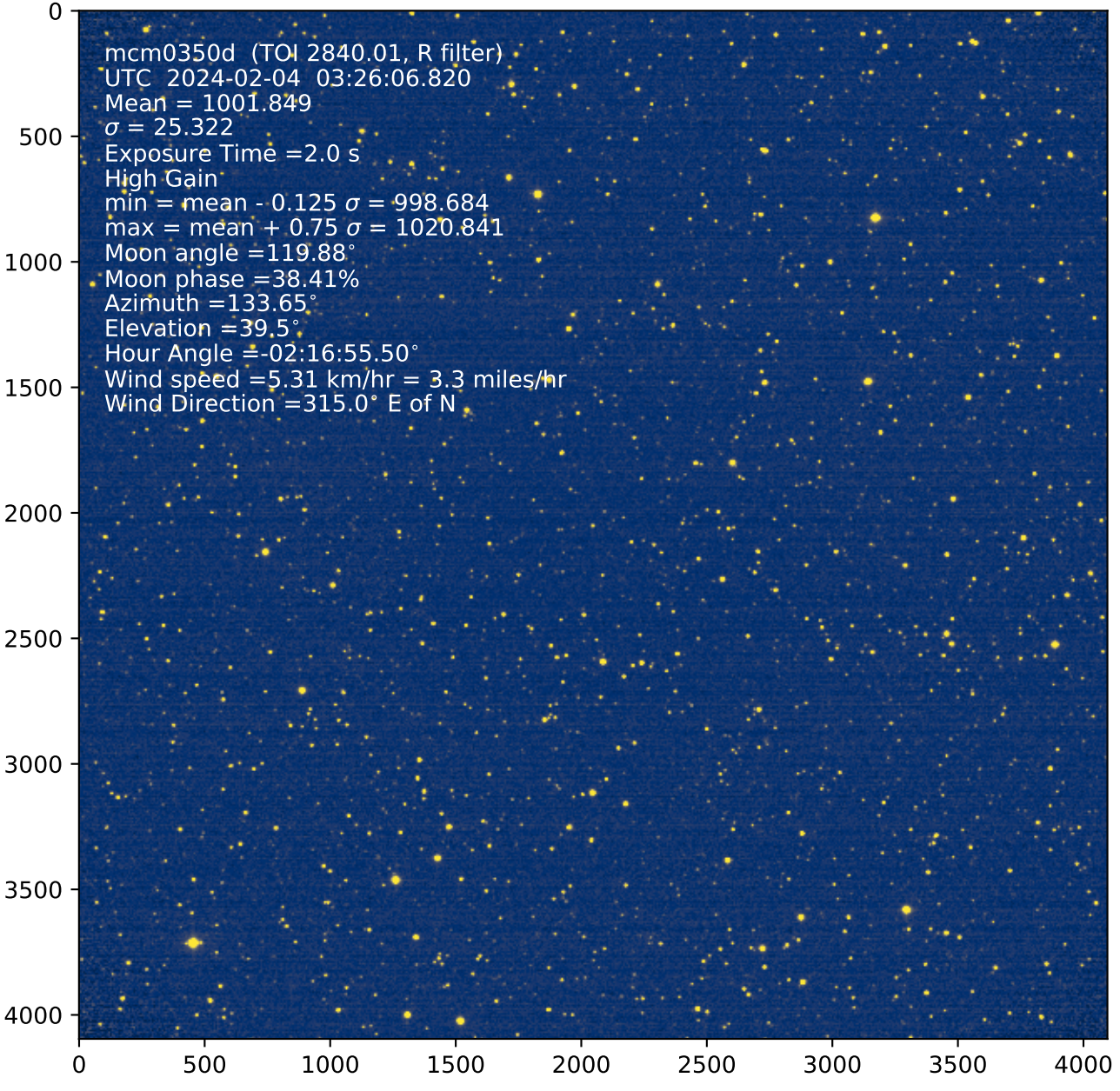

mcm03510c (TOI 2840.01, R filter)
UTC 2024-02-04 03:19:29.359
Mean = 1085.981
σ = 566.913
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1015.117
max = mean + 0.75 σ = 1511.166
Moon angle =119.81°
Moon phase =38.46%
Azimuth =131.88°
Elevation =38.38°
Hour Angle =-02:24:05.67°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

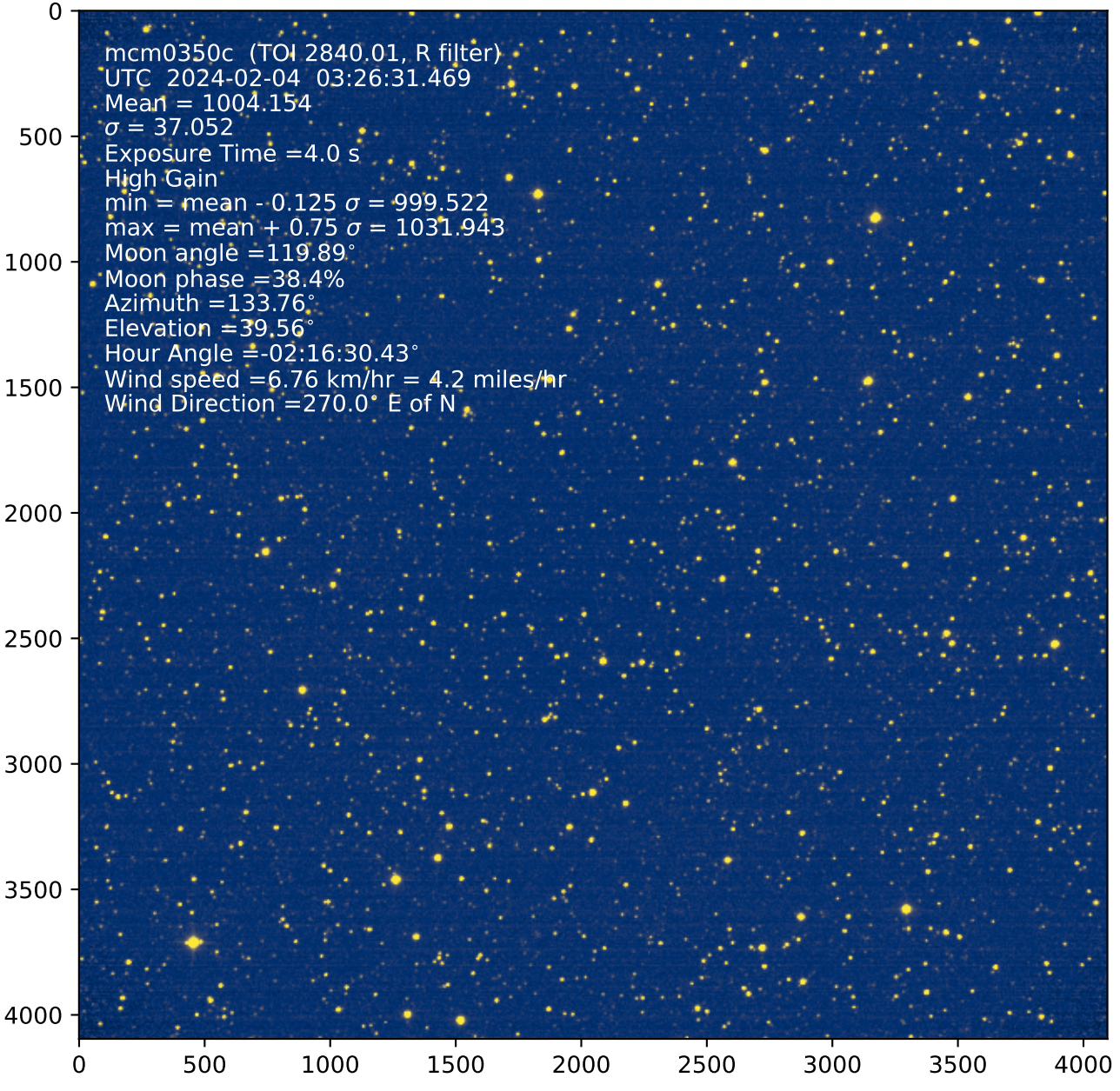

mcm0350b (TOI 2840.01, R filter)
UTC 2024-02-04 03:20:31.620
Mean = 1001.915
σ = 25.004
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.789
max = mean + 0.75 σ = 1020.667
Moon angle =119.83°
Moon phase =38.45%
Azimuth =132.26°
Elevation =38.62°
Hour Angle =-02:22:31.42°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

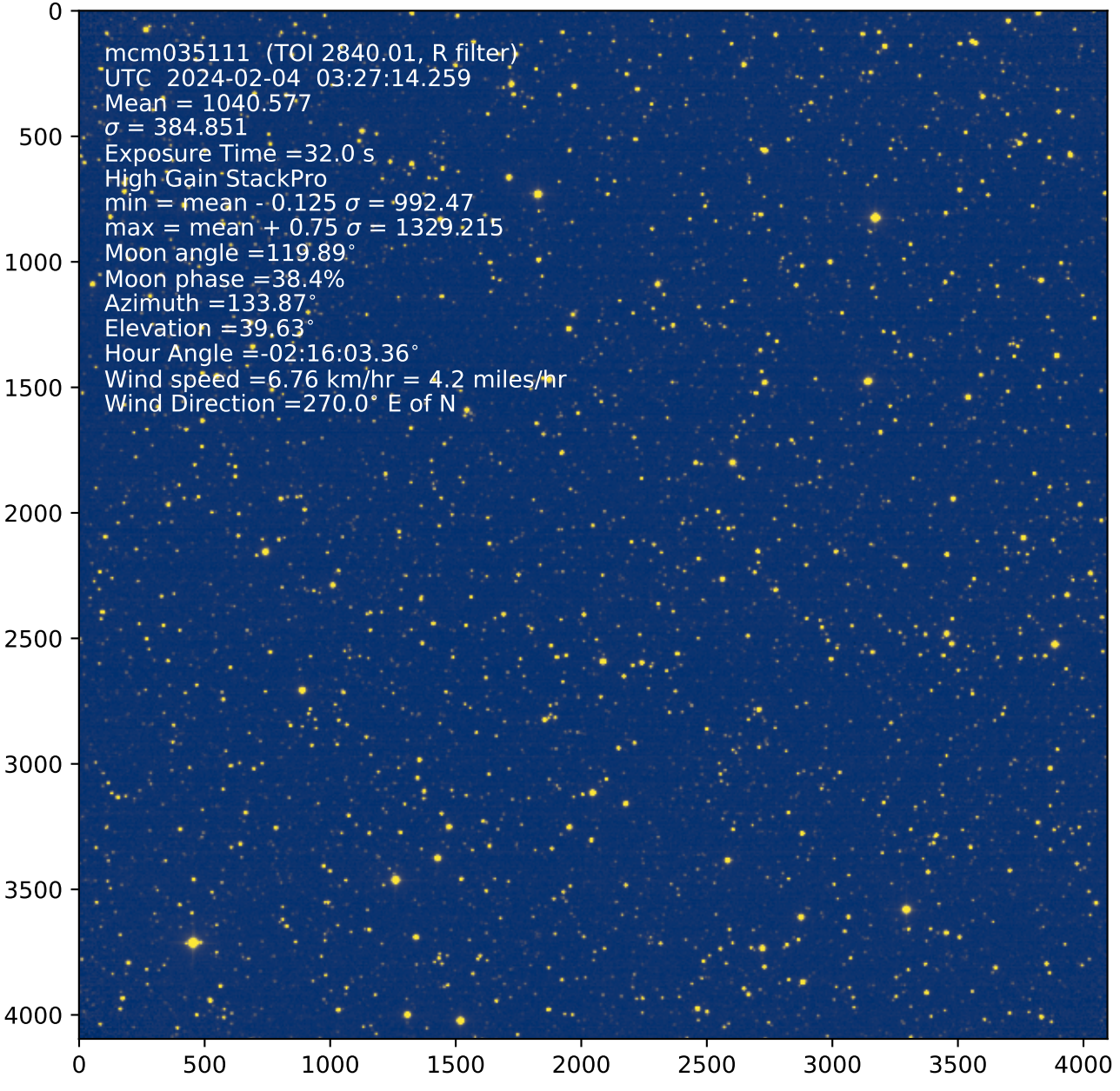

mcm0350a (TOI 2840.01, R filter)
UTC 2024-02-04 03:21:38.259
Mean = 1004.217
σ = 37.339
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.549
max = mean + 0.75 σ = 1032.221
Moon angle =119.84°
Moon phase =38.44%
Azimuth =132.54°
Elevation =38.8°
Hour Angle =-02:21:24.23°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

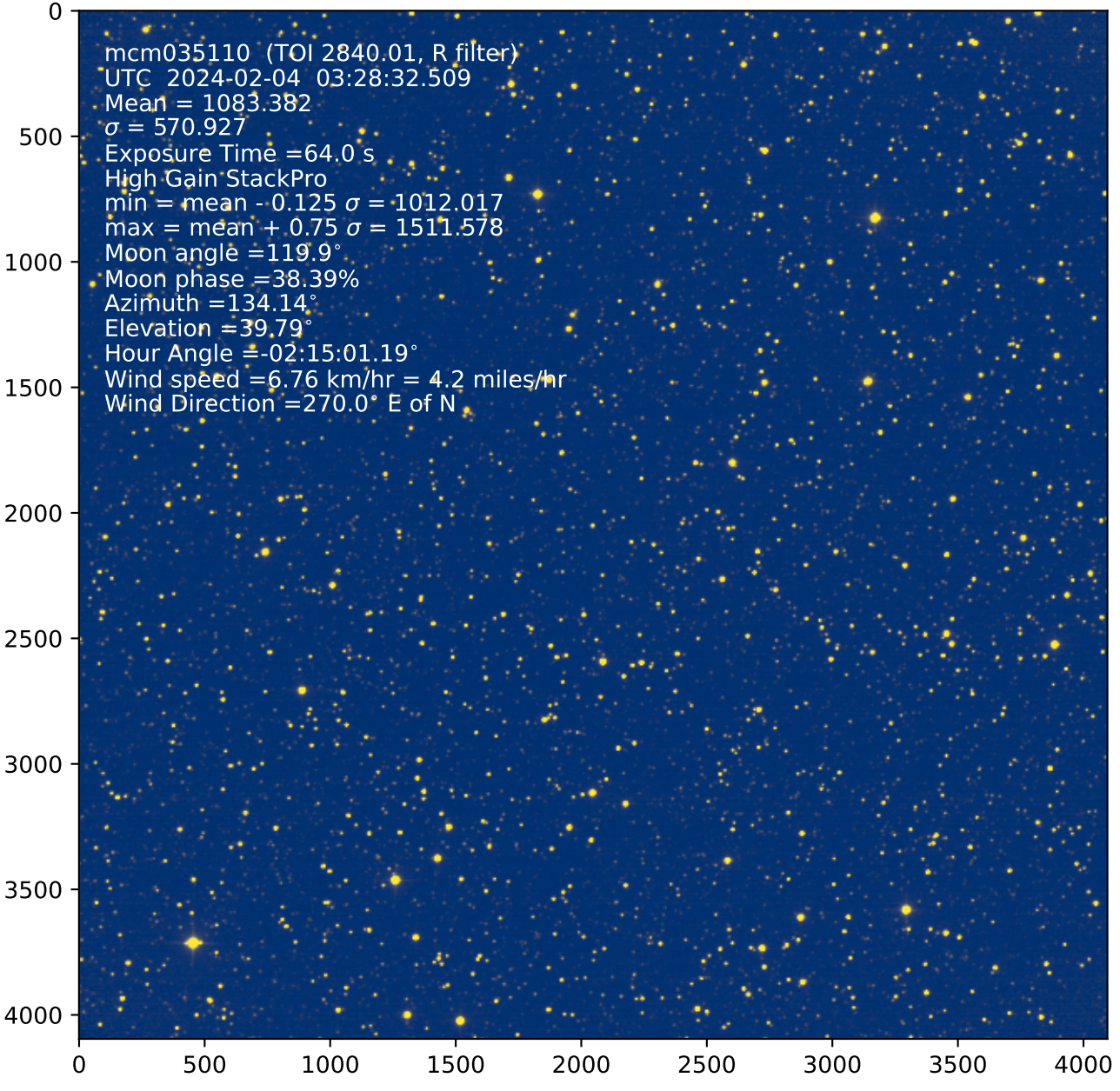

mcm03510f (TOI 2840.01, R filter)
UTC 2024-02-04 03:22:21.250
Mean = 1041.237
σ = 385.699
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 993.025
max = mean + 0.75 σ = 1330.511
Moon angle =119.84°
Moon phase =38.43%
Azimuth =132.65°
Elevation =38.87°
Hour Angle =-02:20:57.16°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

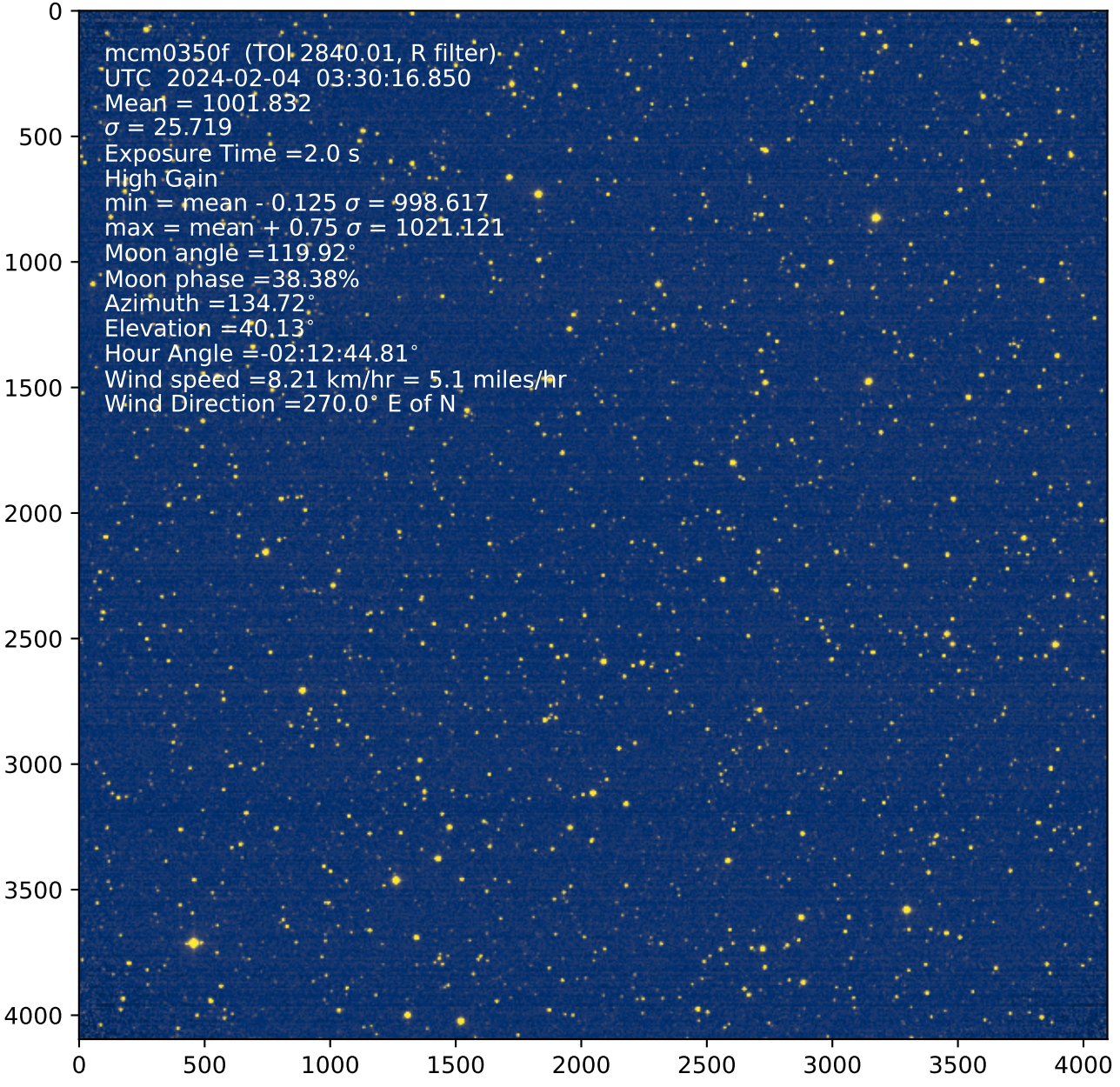

mcm03510e (TOI 2840.01, R filter)
UTC 2024-02-04 03:24:21.589
Mean = 1084.350
σ = 576.382
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1012.302
max = mean + 0.75 σ = 1516.636
Moon angle =119.86°
Moon phase =38.42%
Azimuth =133.08°
Elevation =39.14°
Hour Angle =-02:19:12.87°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

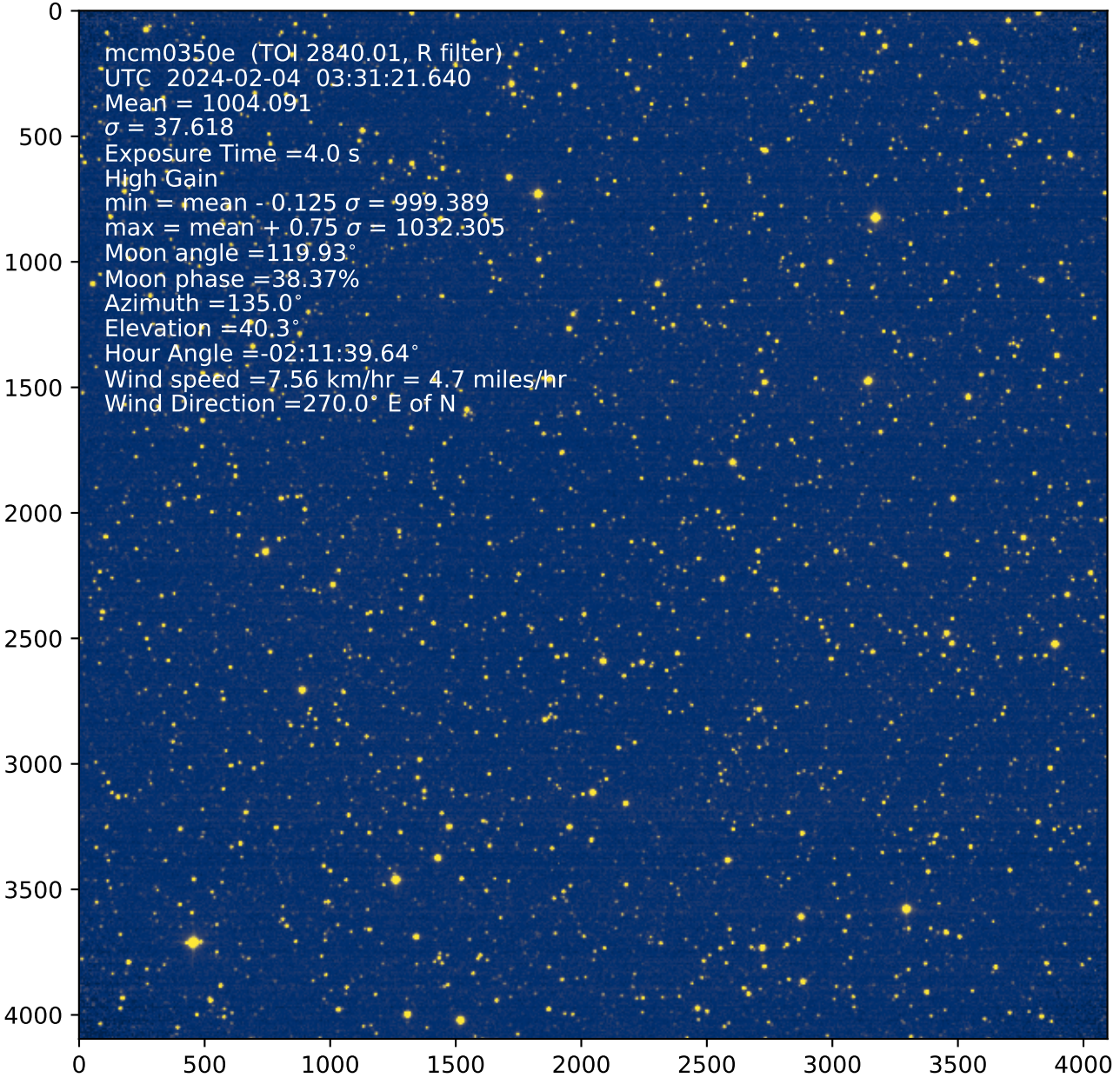

mcm0350d (TOI 2840.01, R filter)
UTC 2024-02-04 03:26:06.820
Mean = 1001.849
σ = 25.322
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.684
max = mean + 0.75 σ = 1020.841
Moon angle =119.88°
Moon phase =38.41%
Azimuth =133.65°
Elevation =39.5°
Hour Angle =-02:16:55.50°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

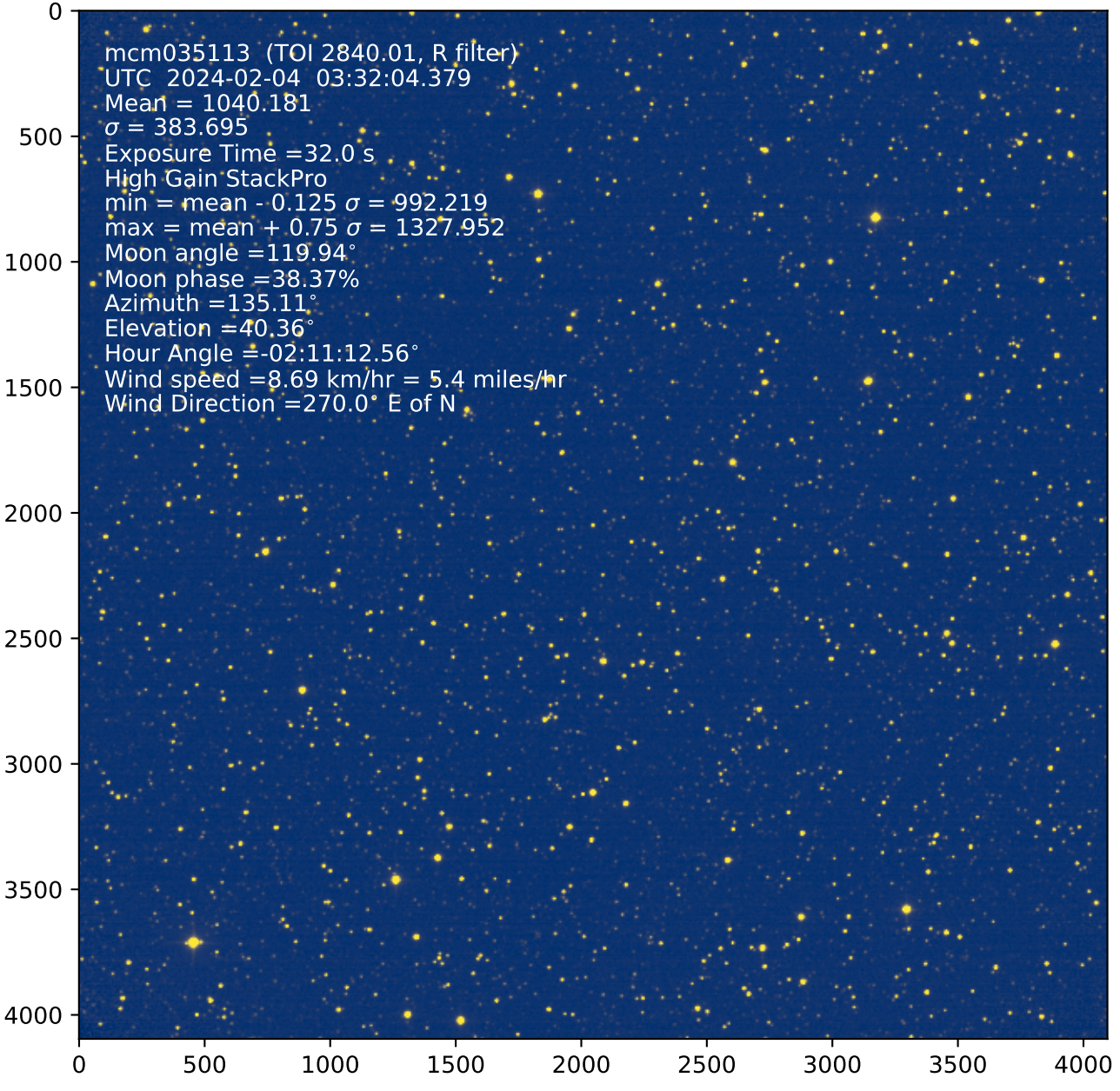

mcm0350c (TOI 2840.01, R filter)
UTC 2024-02-04 03:26:31.469
Mean = 1004.154
σ = 37.052
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.522
max = mean + 0.75 σ = 1031.943
Moon angle =119.89°
Moon phase =38.4%
Azimuth =133.76°
Elevation =39.56°
Hour Angle =-02:16:30.43°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

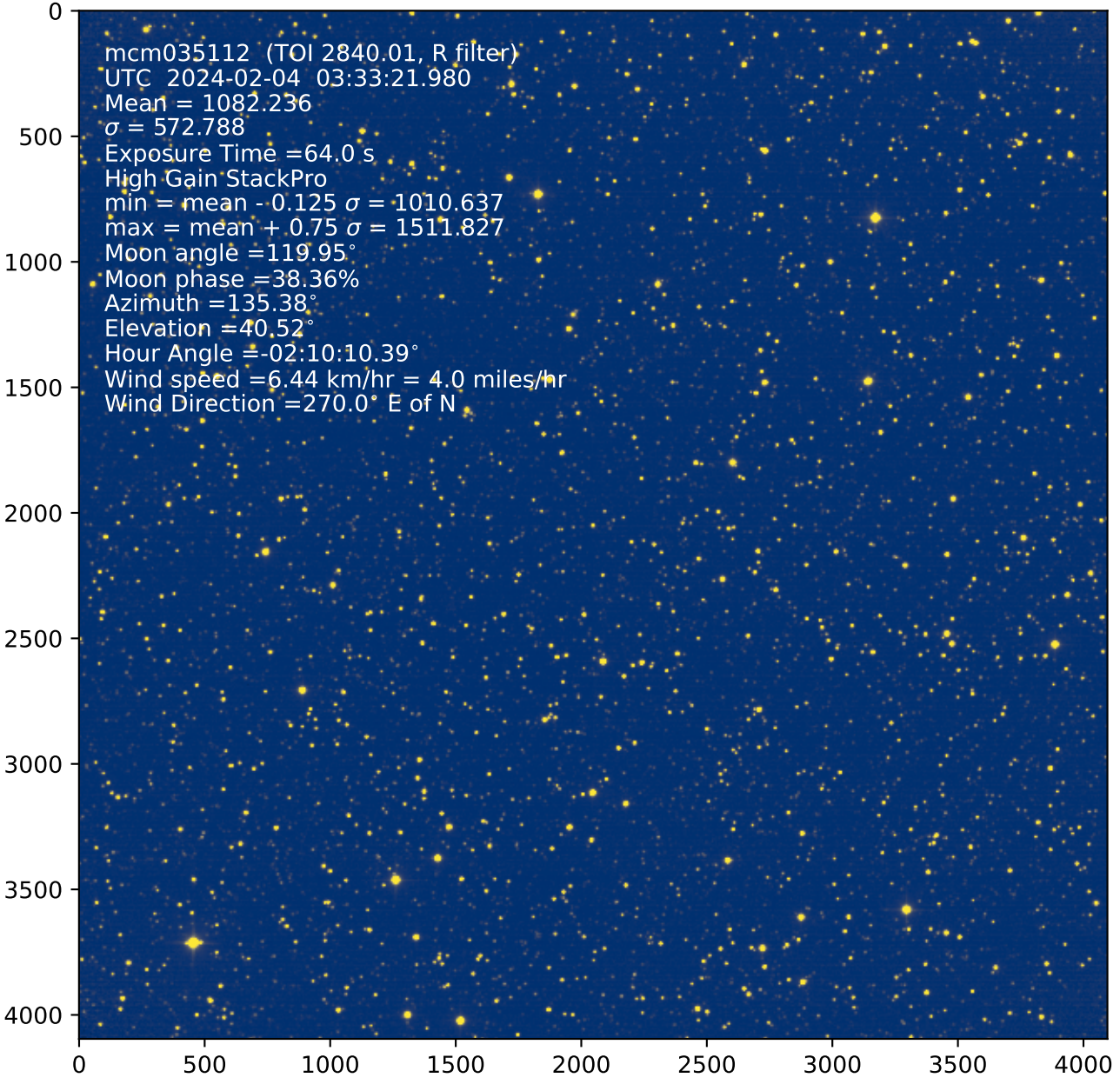

mcm035111 (TOI 2840.01, R filter)
UTC 2024-02-04 03:27:14.259
Mean = 1040.577
σ = 384.851
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 992.47
max = mean + 0.75 σ = 1329.215
Moon angle =119.89°
Moon phase =38.4%
Azimuth =133.87°
Elevation =39.63°
Hour Angle =-02:16:03.36°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

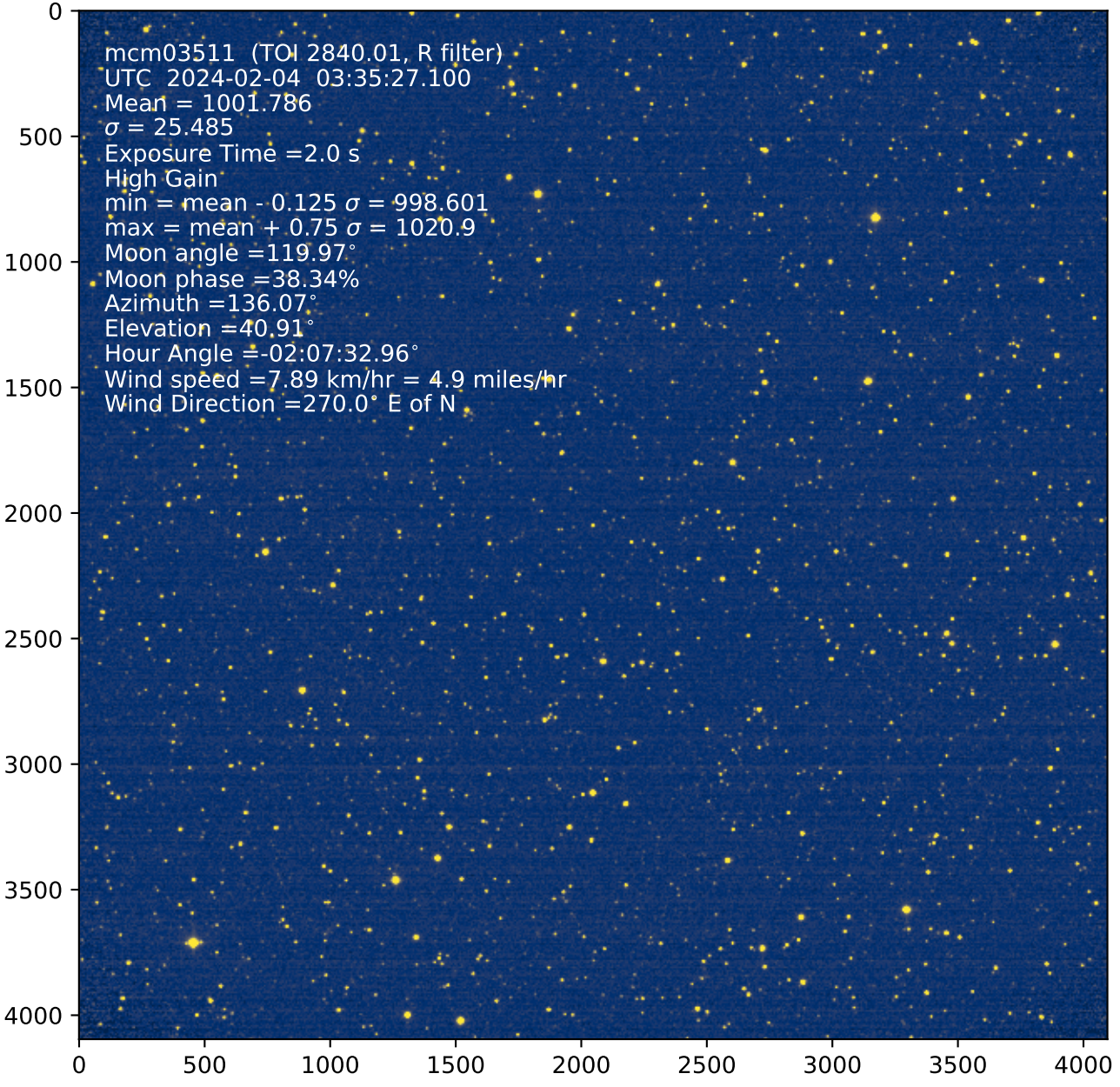

mcm035110 (TOI 2840.01, R filter)
UTC 2024-02-04 03:28:32.509
Mean = 1083.382
σ = 570.927
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1012.017
max = mean + 0.75 σ = 1511.578
Moon angle =119.9°
Moon phase =38.39%
Azimuth =134.14°
Elevation =39.79°
Hour Angle =-02:15:01.19°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

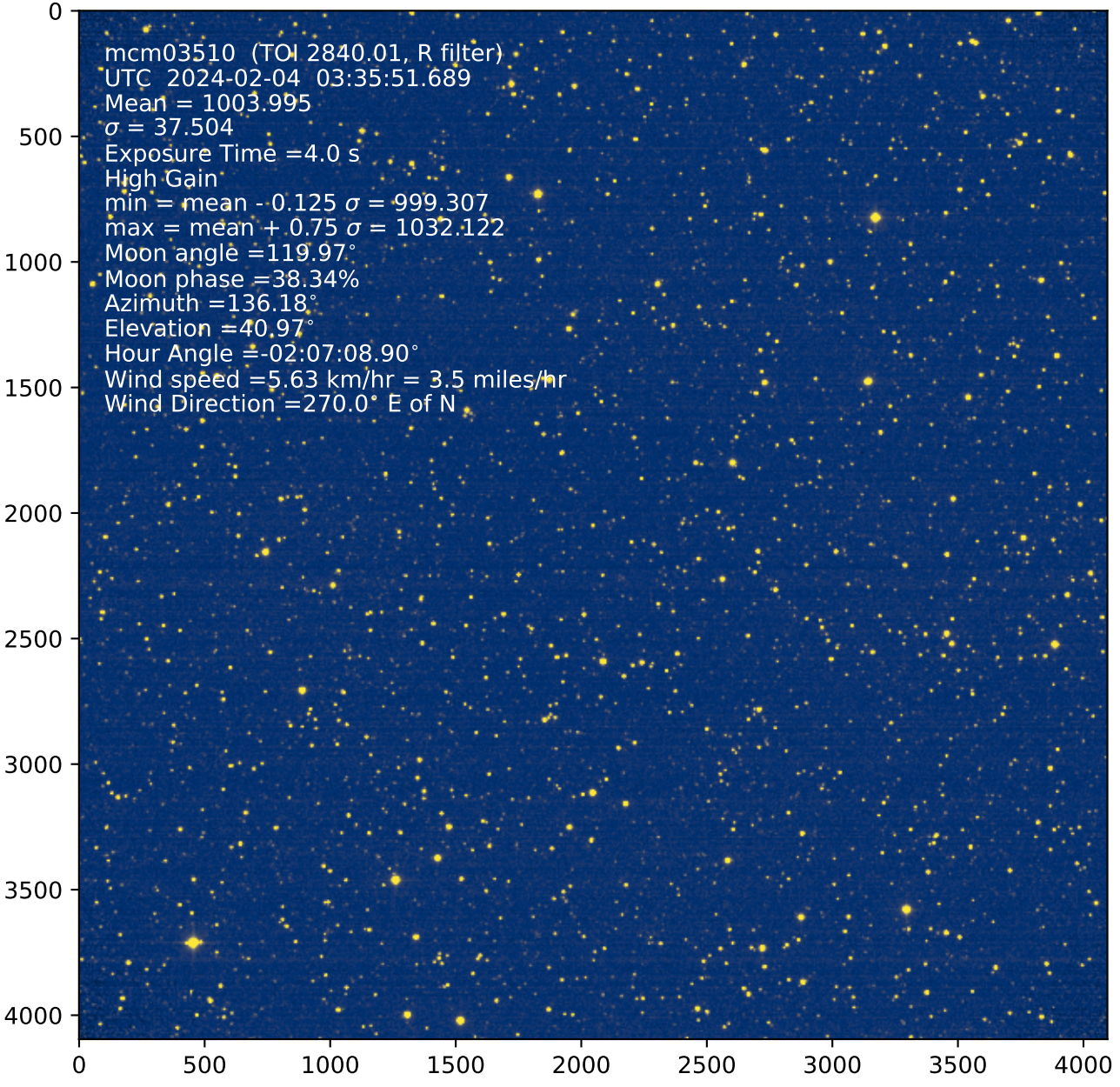

mcm0350f (TOI 2840.01, R filter)
UTC 2024-02-04 03:30:16.850
Mean = 1001.832
σ = 25.719
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.617
max = mean + 0.75 σ = 1021.121
Moon angle =119.92°
Moon phase =38.38%
Azimuth =134.72°
Elevation =40.13°
Hour Angle =-02:12:44.81°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

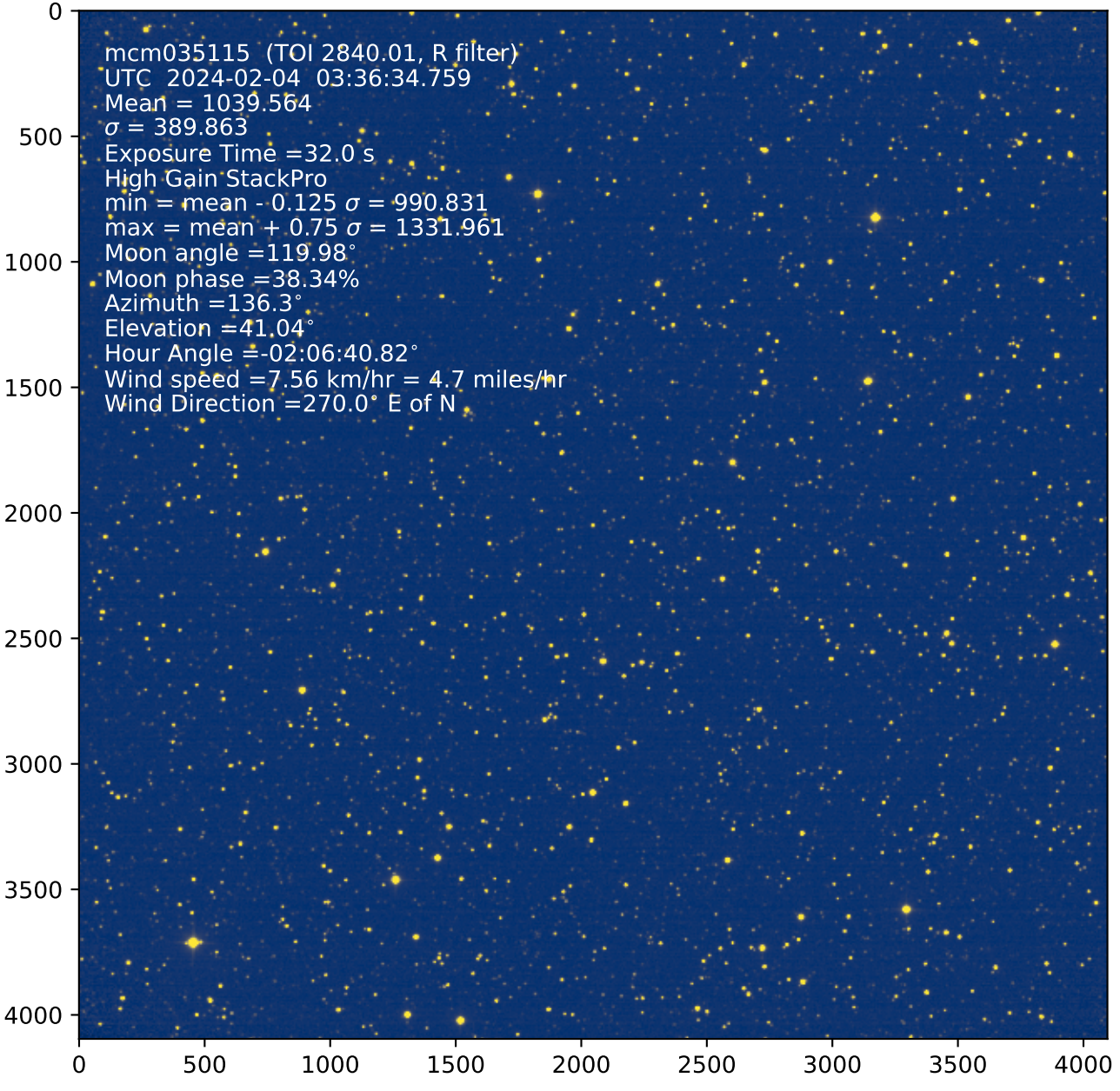

mcm0350e (TOI 2840.01, R filter)
UTC 2024-02-04 03:31:21.640
Mean = 1004.091
σ = 37.618
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.389
max = mean + 0.75 σ = 1032.305
Moon angle =119.93°
Moon phase =38.37%
Azimuth =135.0°
Elevation =40.3°
Hour Angle =-02:11:39.64°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

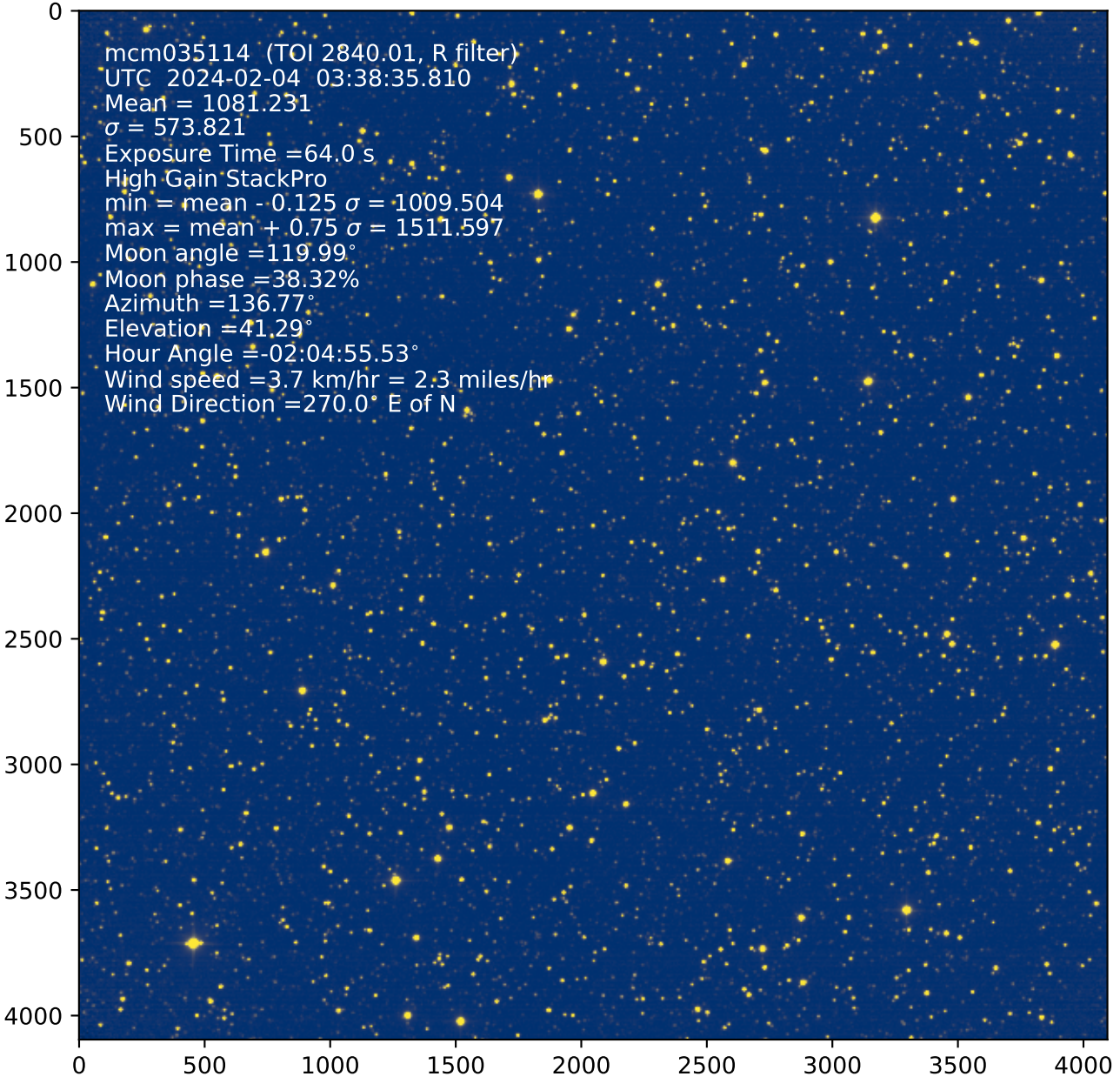

mcm035113 (TOI 2840.01, R filter)
UTC 2024-02-04 03:32:04.379
Mean = 1040.181
σ = 383.695
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 992.219
max = mean + 0.75 σ = 1327.952
Moon angle =119.94°
Moon phase =38.37%
Azimuth =135.11°
Elevation =40.36°
Hour Angle =-02:11:12.56°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

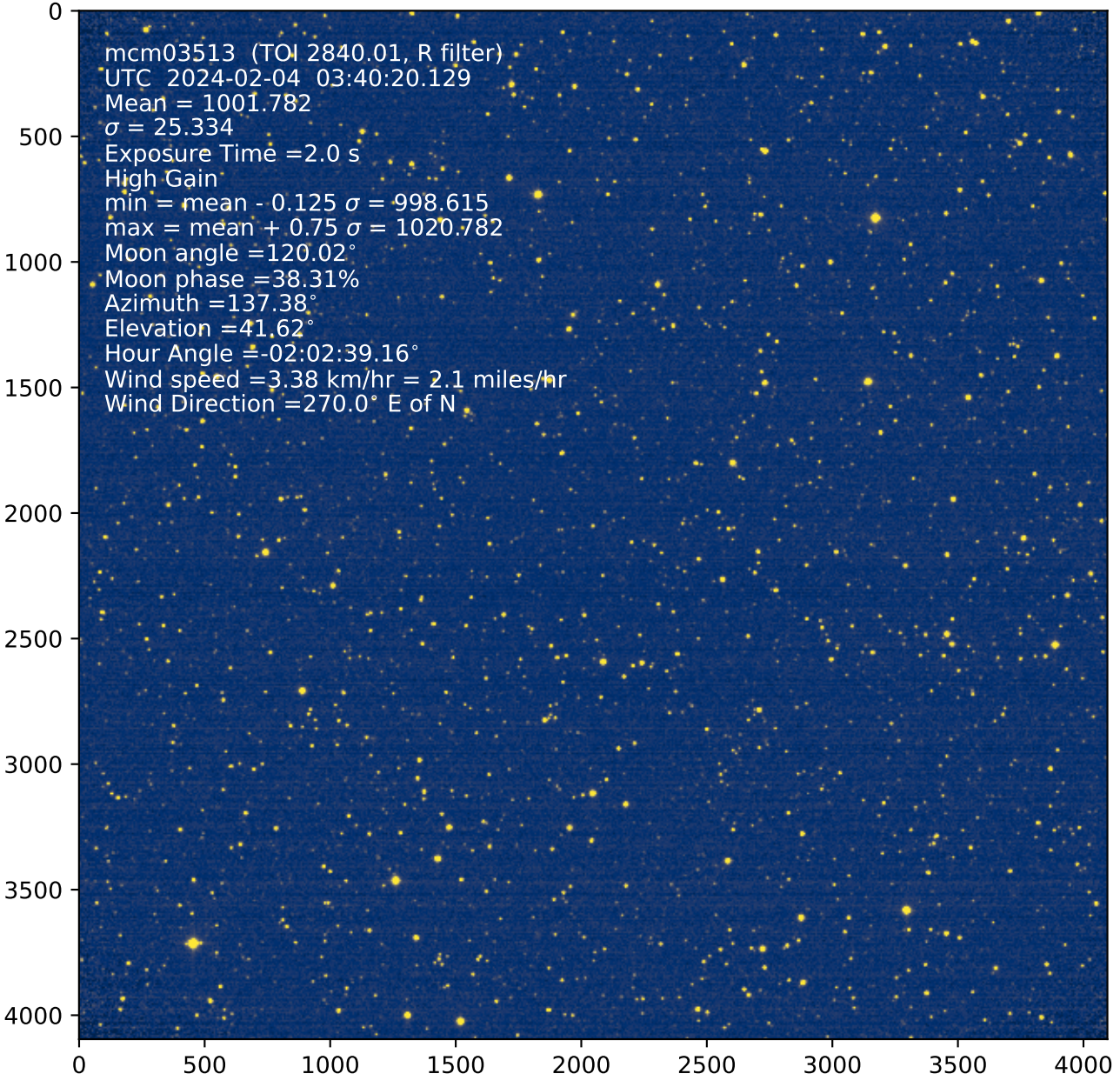

mcm035112 (TOI 2840.01, R filter)
UTC 2024-02-04 03:33:21.980
Mean = 1082.236
σ = 572.788
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1010.637
max = mean + 0.75 σ = 1511.827
Moon angle =119.95°
Moon phase =38.36%
Azimuth =135.38°
Elevation =40.52°
Hour Angle =-02:10:10.39°
Wind speed =6.44 km/hr = 4.0 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

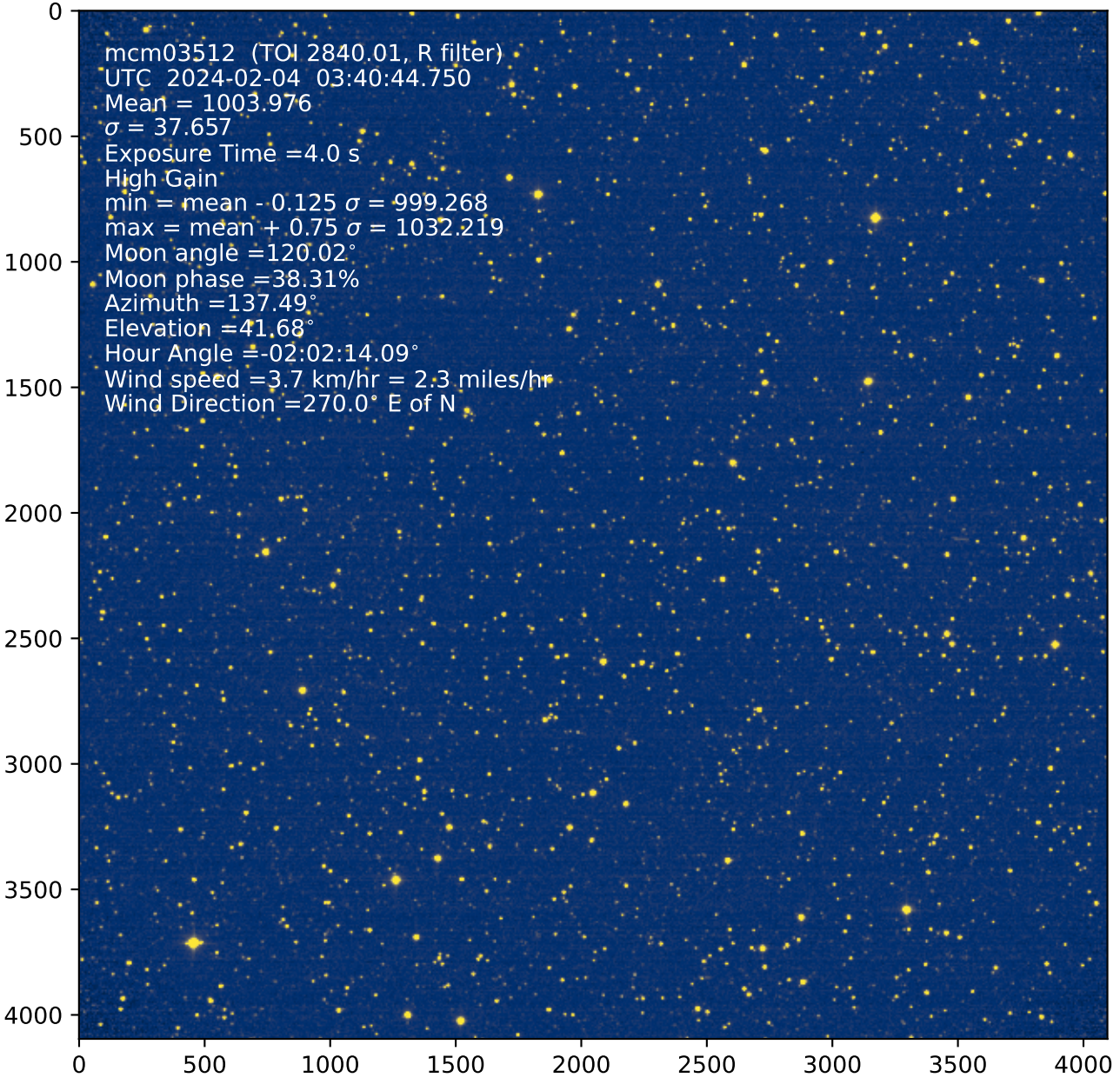

mcm03511 (TOI 2840.01, R filter)
UTC 2024-02-04 03:35:27.100
Mean = 1001.786
σ = 25.485
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.601
max = mean + 0.75 σ = 1020.9
Moon angle =119.97°
Moon phase =38.34%
Azimuth =136.07°
Elevation =40.91°
Hour Angle =-02:07:32.96°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

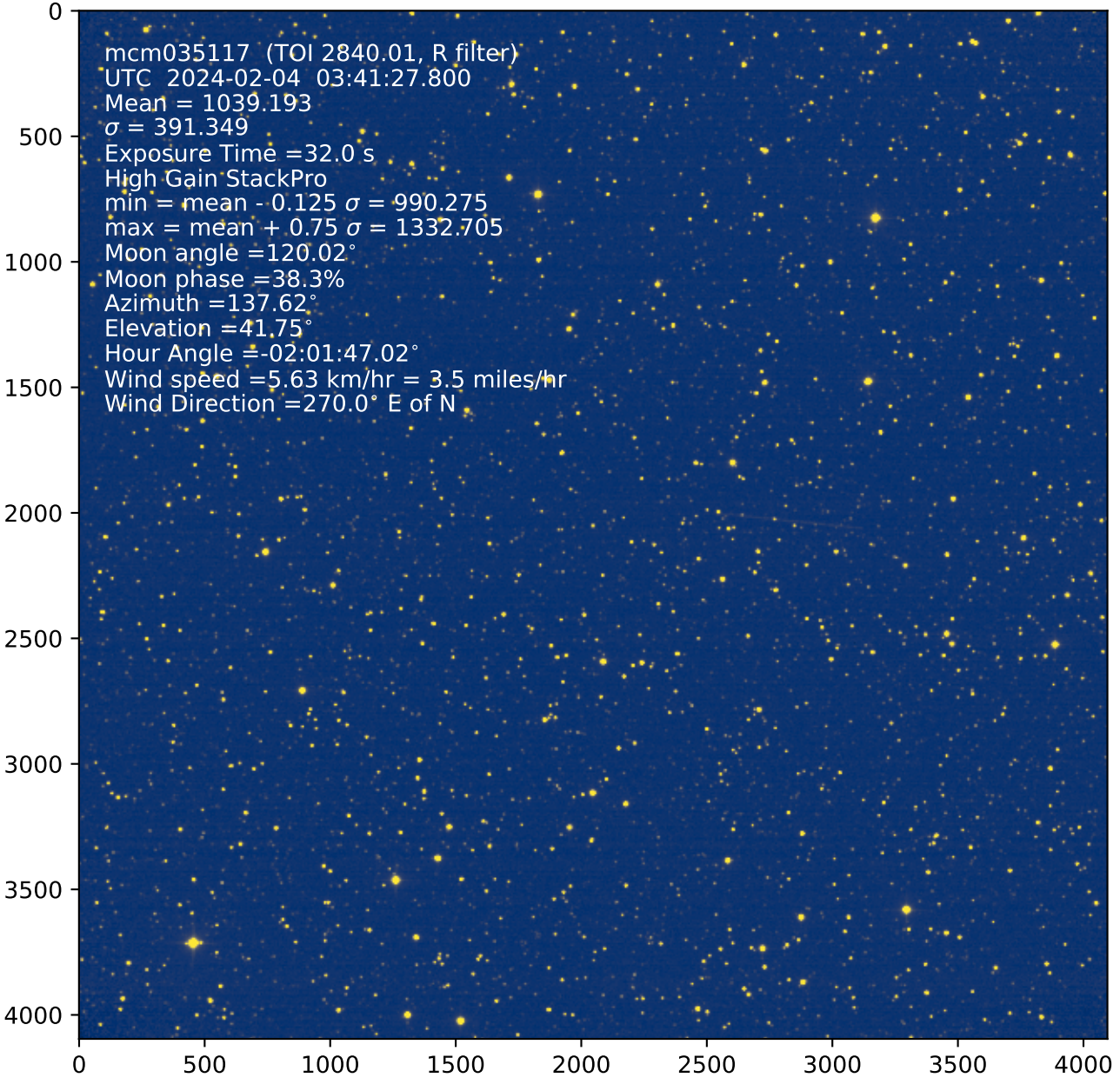

mcm03510 (TOI 2840.01, R filter)
UTC 2024-02-04 03:35:51.689
Mean = 1003.995
σ = 37.504
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.307
max = mean + 0.75 σ = 1032.122
Moon angle =119.97°
Moon phase =38.34%
Azimuth =136.18°
Elevation =40.97°
Hour Angle =-02:07:08.90°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

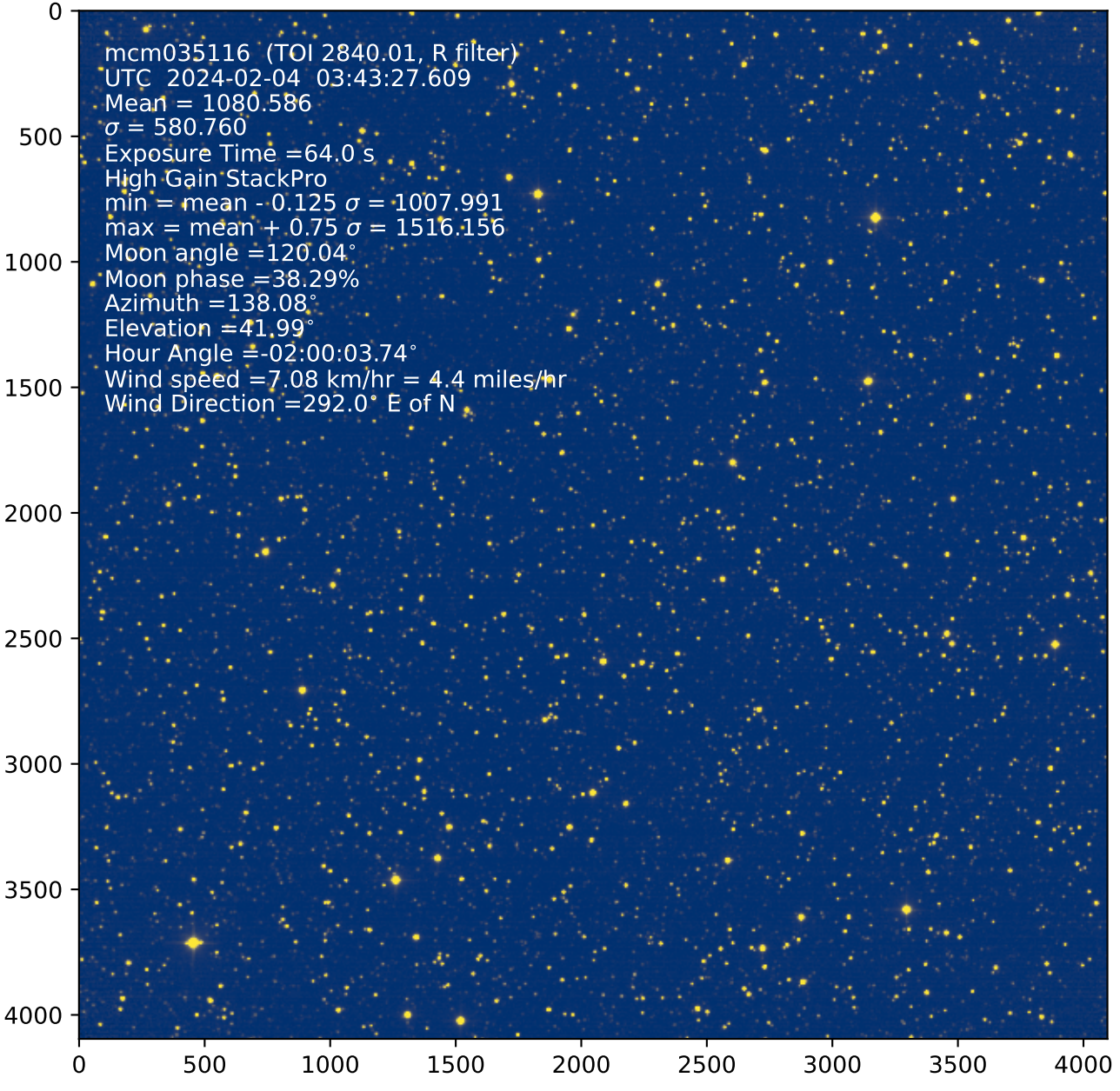

mcm035115 (TOI 2840.01, R filter)
UTC 2024-02-04 03:36:34.759
Mean = 1039.564
σ = 389.863
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 990.831
max = mean + 0.75 σ = 1331.961
Moon angle =119.98°
Moon phase =38.34%
Azimuth =136.3°
Elevation =41.04°
Hour Angle =-02:06:40.82°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

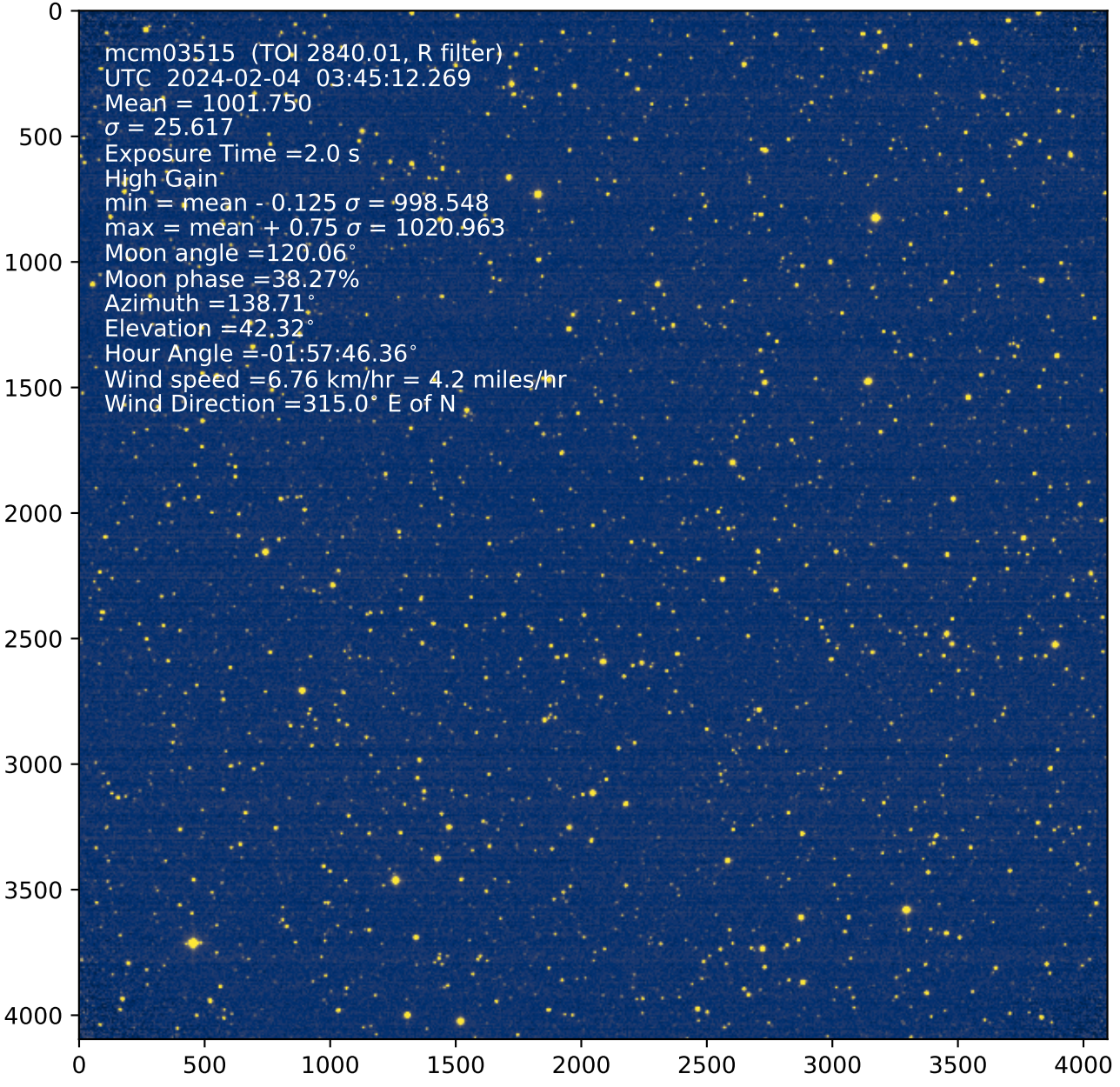

mcm035114 (TOI 2840.01, R filter)
UTC 2024-02-04 03:38:35.810
Mean = 1081.231
σ = 573.821
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1009.504
max = mean + 0.75 σ = 1511.597
Moon angle =119.99°
Moon phase =38.32%
Azimuth =136.77°
Elevation =41.29°
Hour Angle =-02:04:55.53°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

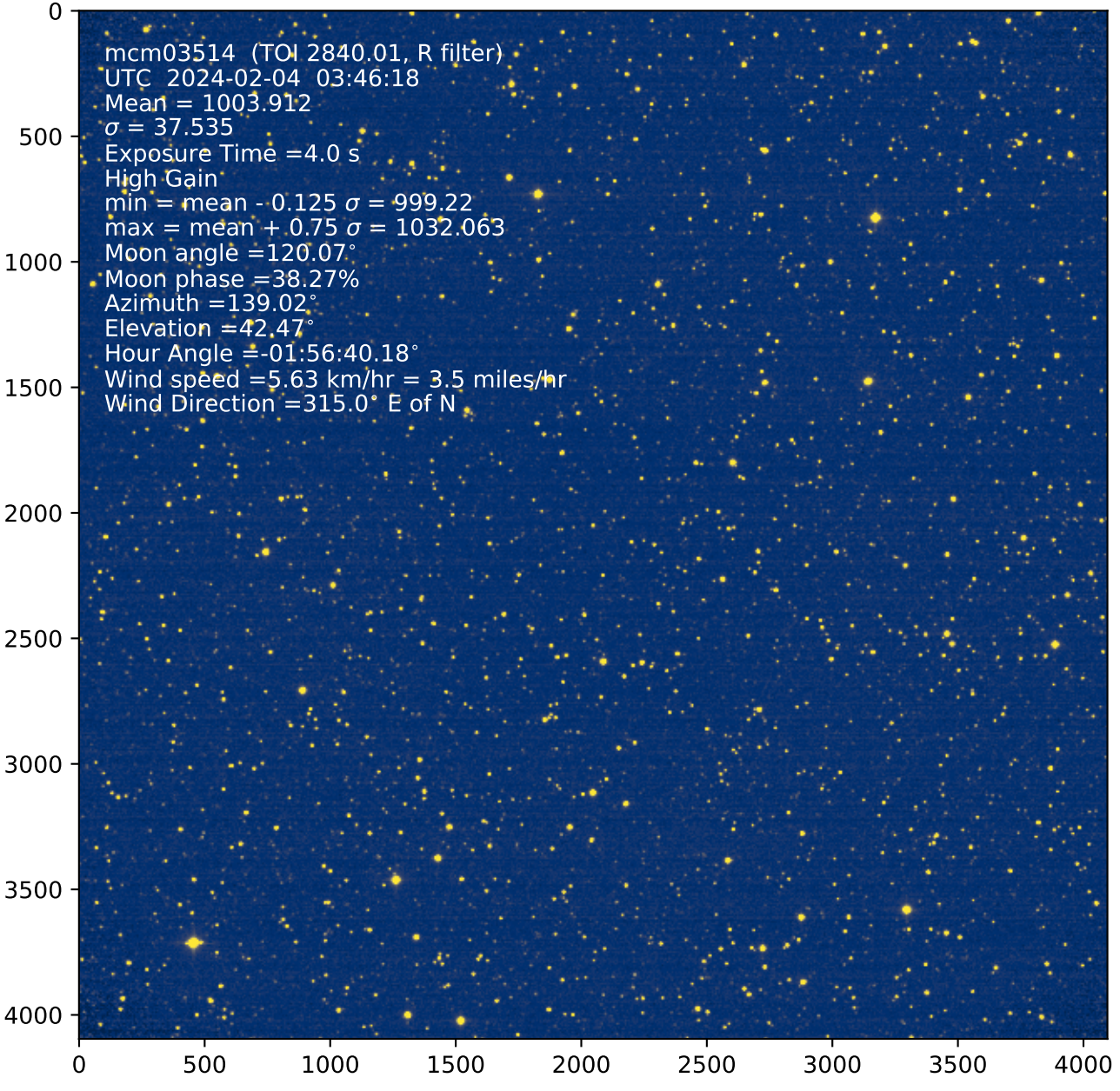

mcm03513 (TOI 2840.01, R filter)
UTC 2024-02-04 03:40:20.129
Mean = 1001.782
σ = 25.334
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.615
max = mean + 0.75 σ = 1020.782
Moon angle =120.02°
Moon phase =38.31%
Azimuth =137.38°
Elevation =41.62°
Hour Angle =-02:02:39.16°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

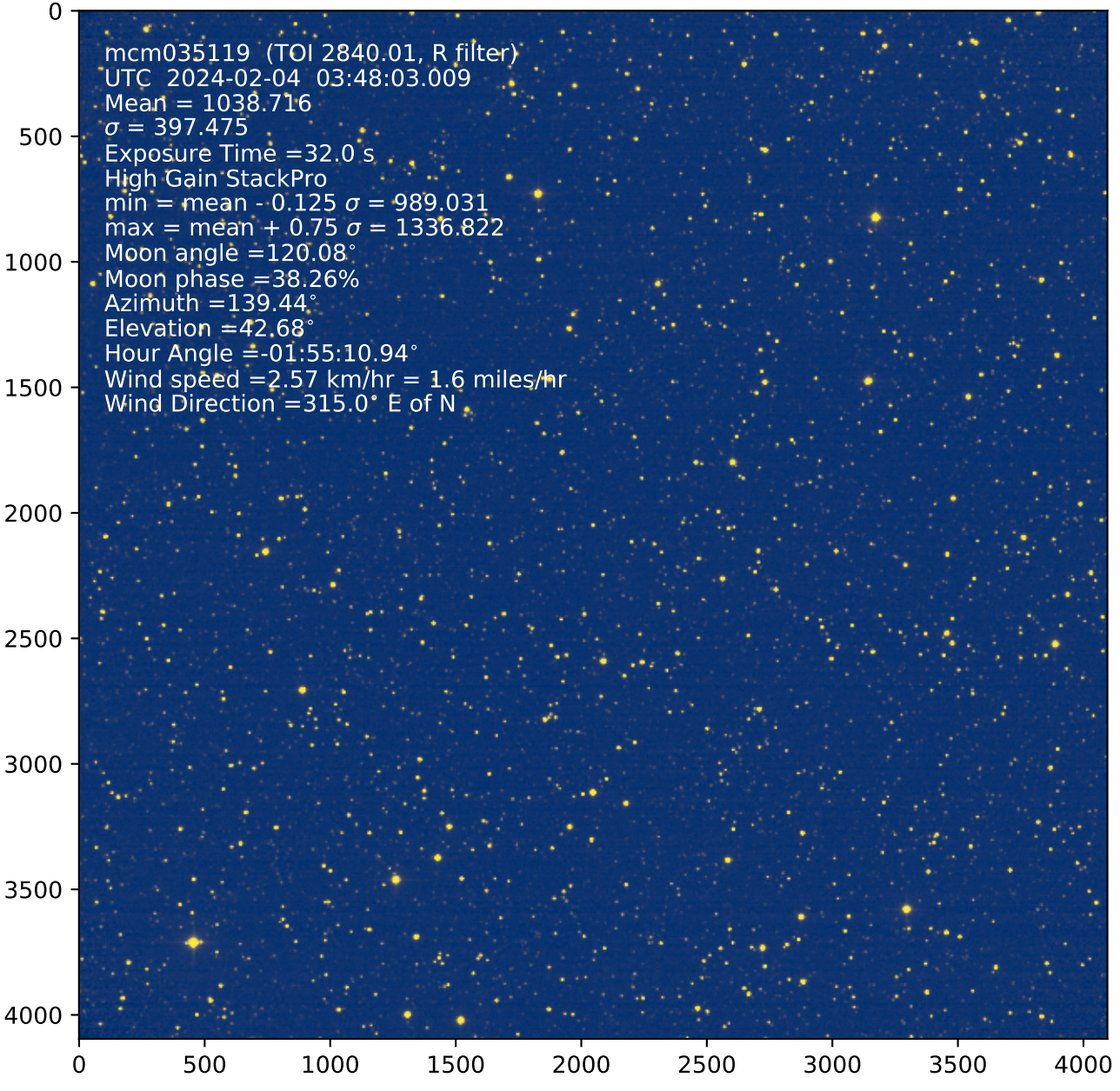

mcm03512 (TOI 2840.01, R filter)
UTC 2024-02-04 03:40:44.750
Mean = 1003.976
σ = 37.657
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.268
max = mean + 0.75 σ = 1032.219
Moon angle =120.02°
Moon phase =38.31%
Azimuth =137.49°
Elevation =41.68°
Hour Angle =-02:02:14.09°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

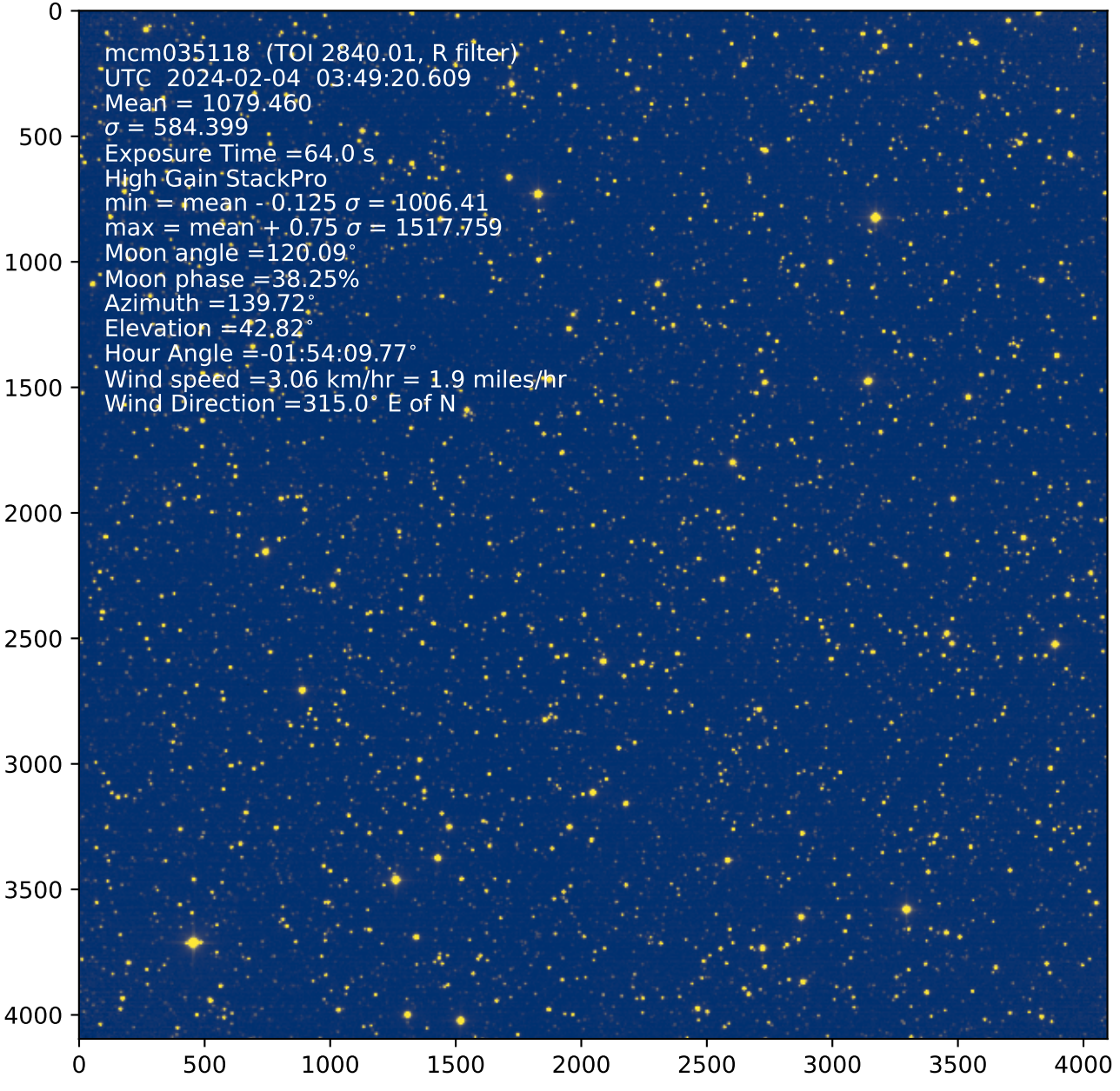

mcm035117 (TOI 2840.01, R filter)
UTC 2024-02-04 03:41:27.800
Mean = 1039.193
σ = 391.349
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 990.275
max = mean + 0.75 σ = 1332.705
Moon angle =120.02°
Moon phase =38.3%
Azimuth =137.62°
Elevation =41.75°
Hour Angle =-02:01:47.02°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

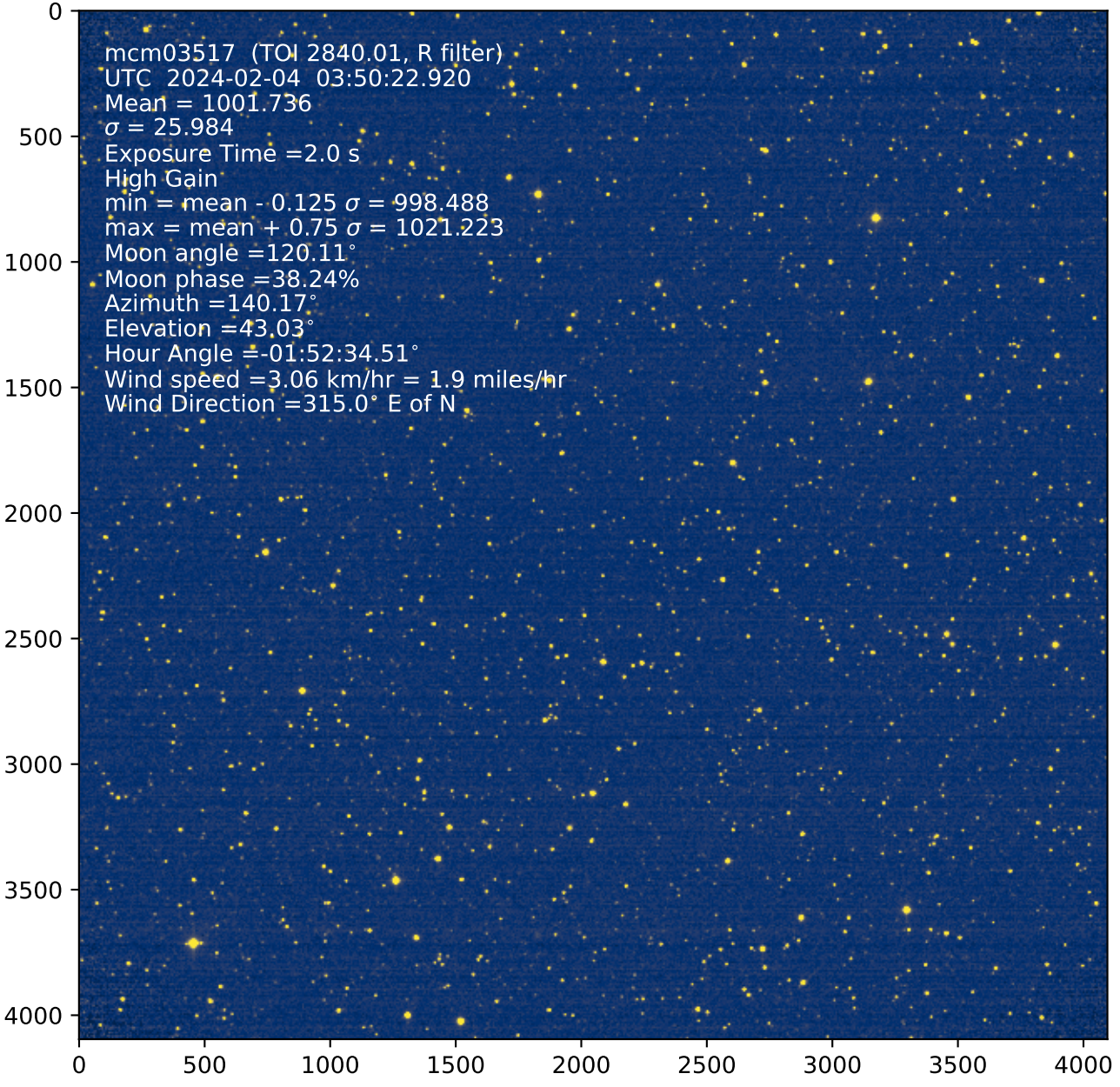

mcm035116 (TOI 2840.01, R filter)
UTC 2024-02-04 03:43:27.609
Mean = 1080.586
σ = 580.760
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1007.991
max = mean + 0.75 σ = 1516.156
Moon angle =120.04°
Moon phase =38.29%
Azimuth =138.08°
Elevation =41.99°
Hour Angle =-02:00:03.74°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =292.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

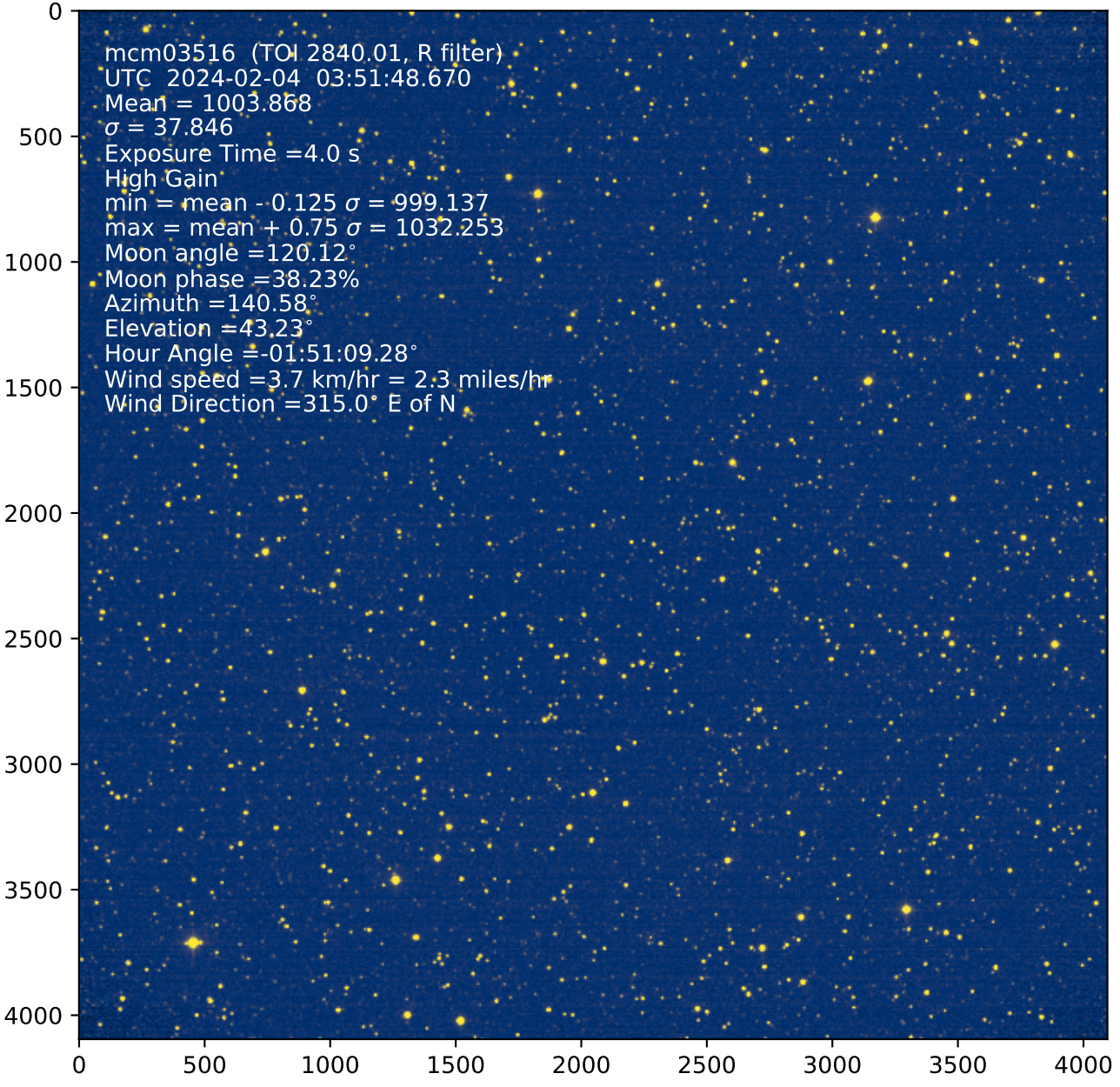

mcm03515 (TOI 2840.01, R filter)
UTC 2024-02-04 03:45:12.269
Mean = 1001.750
σ = 25.617
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.548
max = mean + 0.75 σ = 1020.963
Moon angle =120.06°
Moon phase =38.27%
Azimuth =138.71°
Elevation =42.32°
Hour Angle =-01:57:46.36°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

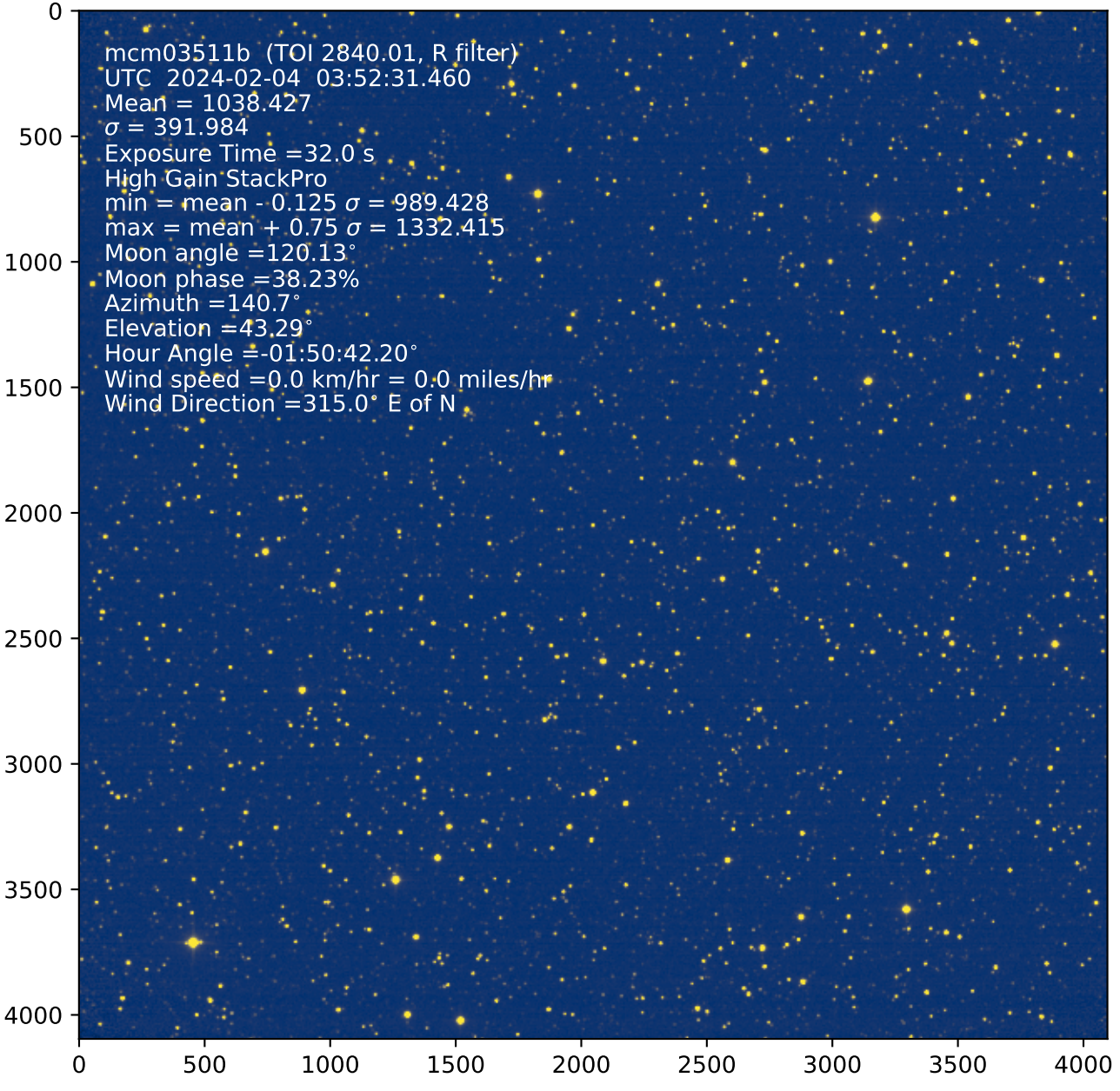

mcm03514 (TOI 2840.01, R filter)
UTC 2024-02-04 03:46:18
Mean = 1003.912
σ = 37.535
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.22
max = mean + 0.75 σ = 1032.063
Moon angle =120.07°
Moon phase =38.27%
Azimuth =139.02°
Elevation =42.47°
Hour Angle =-01:56:40.18°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

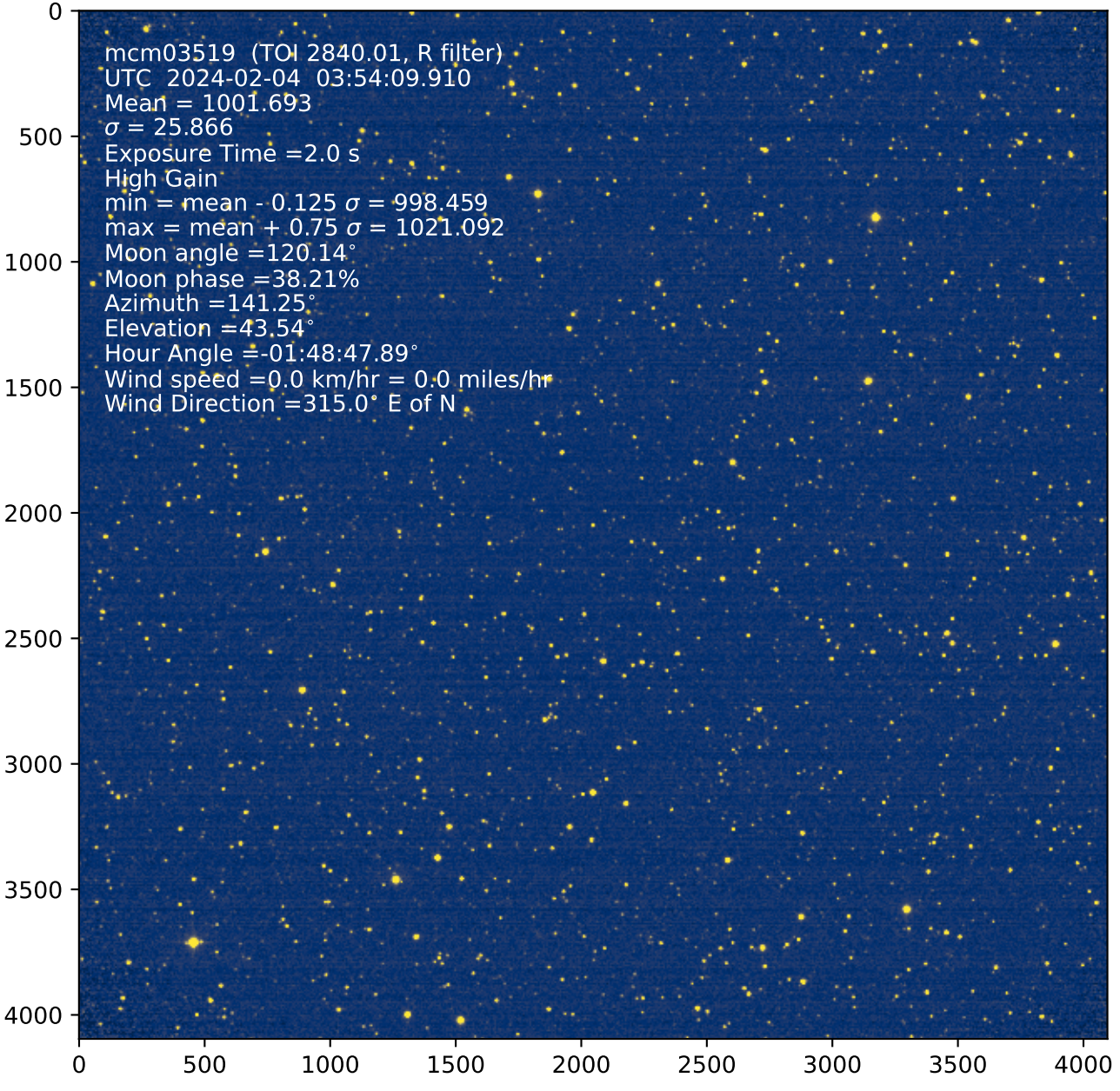

mcm035119 (TOI 2840.01, R filter)
UTC 2024-02-04 03:48:03.009
Mean = 1038.716
σ = 397.475
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 989.031
max = mean + 0.75 σ = 1336.822
Moon angle =120.08°
Moon phase =38.26%
Azimuth =139.44°
Elevation =42.68°
Hour Angle =-01:55:10.94°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

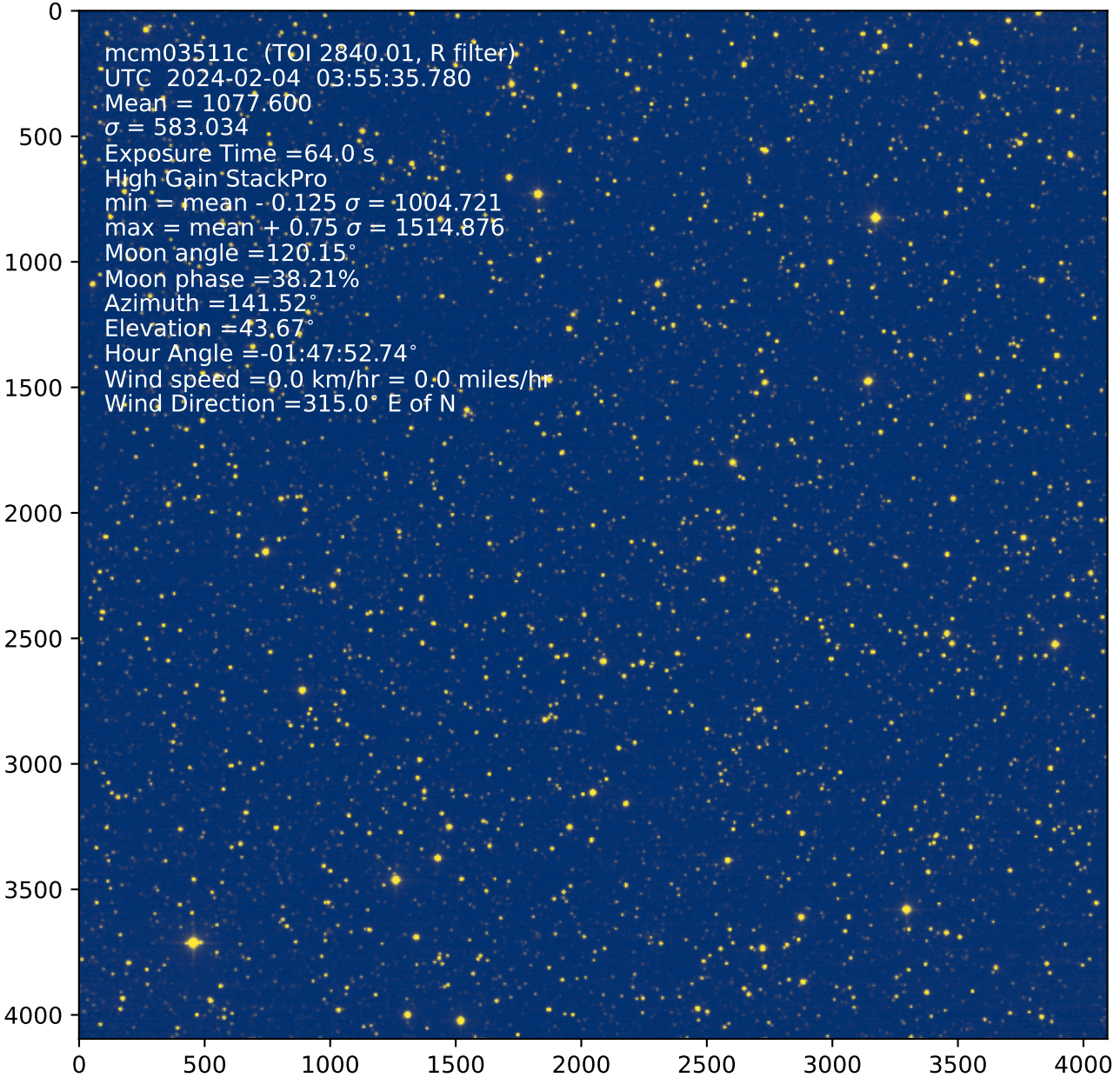

mcm035118 (TOI 2840.01, R filter)
UTC 2024-02-04 03:49:20.609
Mean = 1079.460
σ = 584.399
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1006.41
max = mean + 0.75 σ = 1517.759
Moon angle =120.09°
Moon phase =38.25%
Azimuth =139.72°
Elevation =42.82°
Hour Angle =-01:54:09.77°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

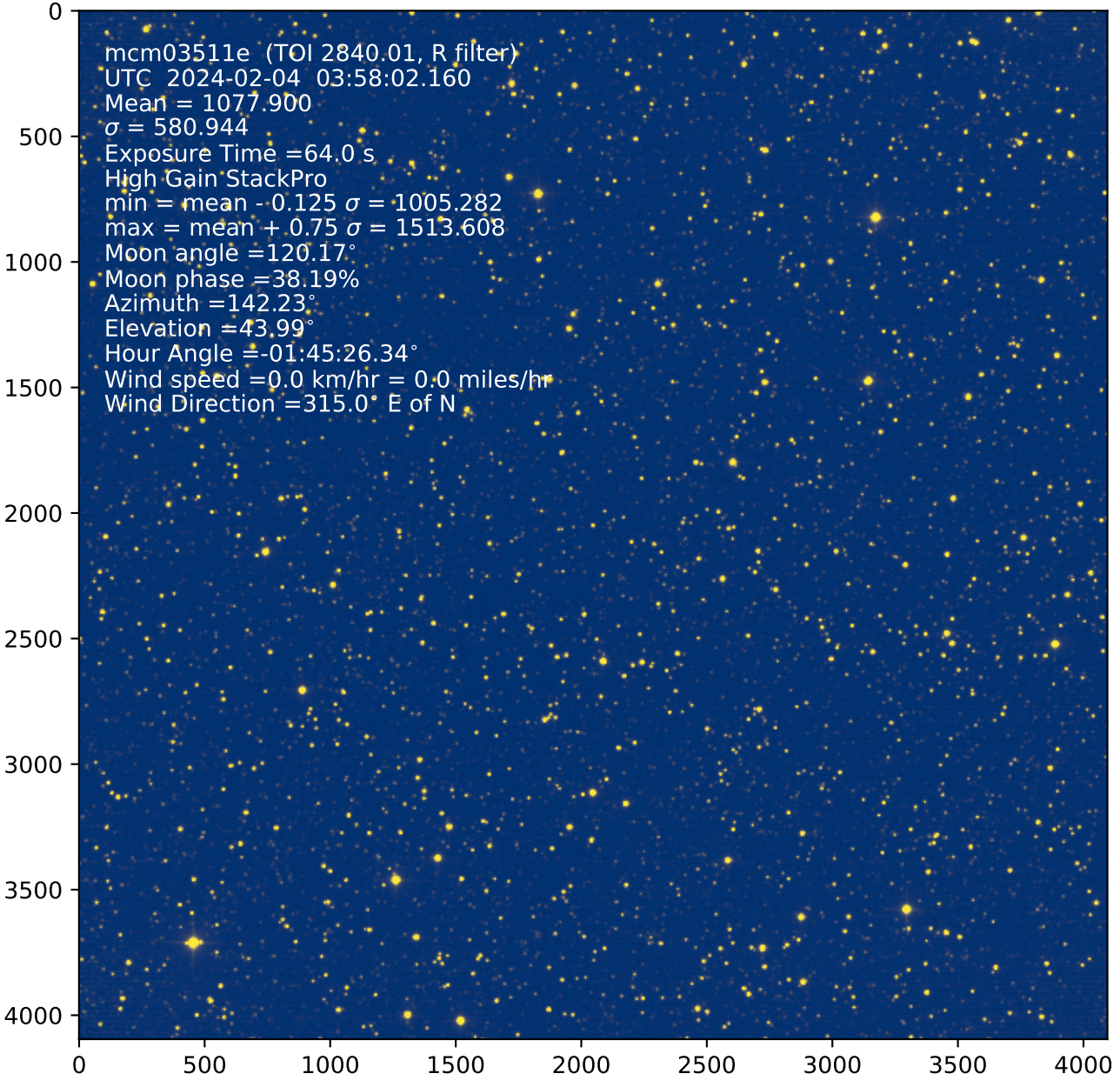

mcm03517 (TOI 2840.01, R filter)
UTC 2024-02-04 03:50:22.920
Mean = 1001.736
σ = 25.984
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.488
max = mean + 0.75 σ = 1021.223
Moon angle =120.11°
Moon phase =38.24%
Azimuth =140.17°
Elevation =43.03°
Hour Angle =-01:52:34.51°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

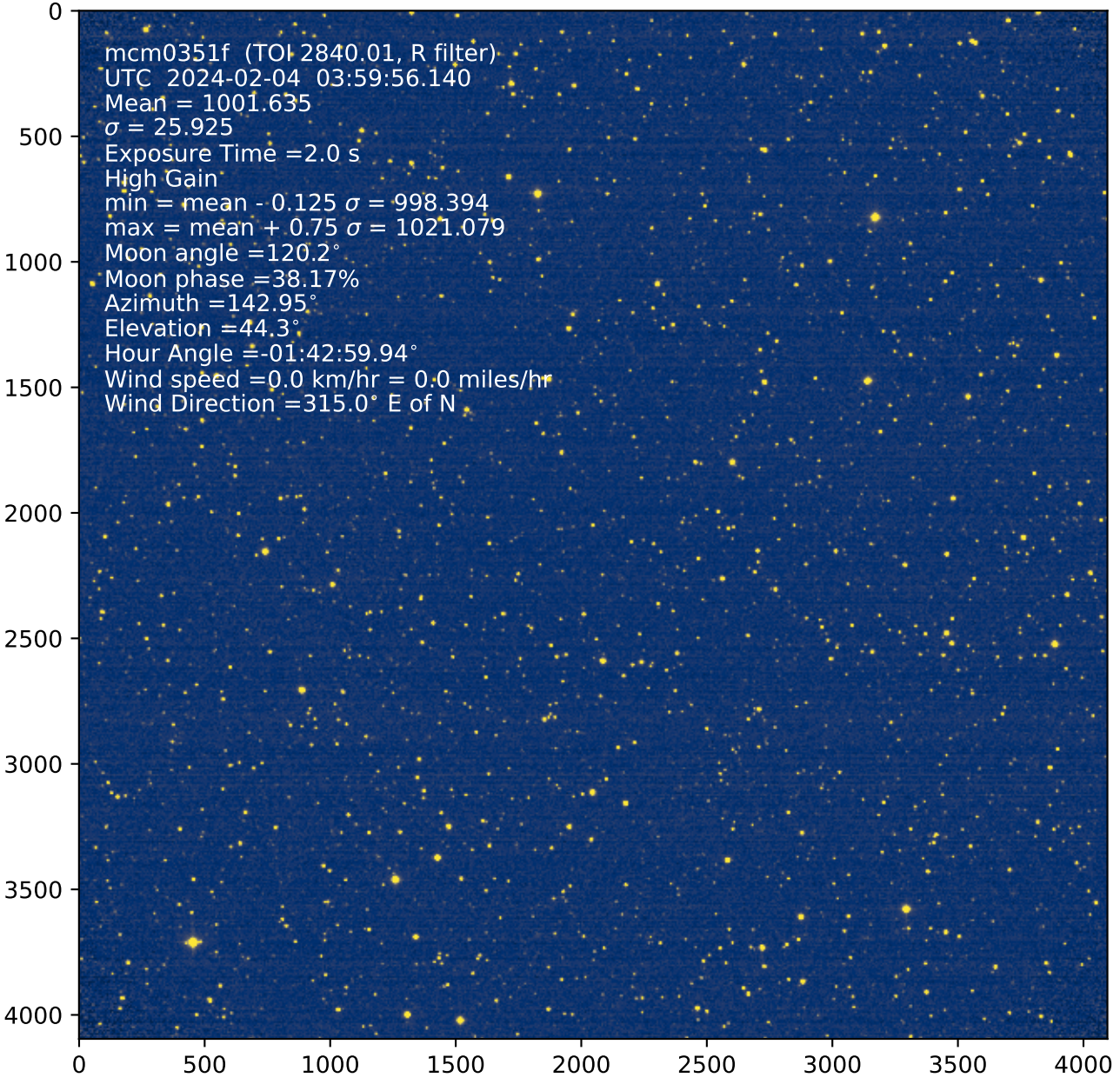

mcm03516 (TOI 2840.01, R filter)
UTC 2024-02-04 03:51:48.670
Mean = 1003.868
σ = 37.846
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.137
max = mean + 0.75 σ = 1032.253
Moon angle =120.12°
Moon phase =38.23%
Azimuth =140.58°
Elevation =43.23°
Hour Angle =-01:51:09.28°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

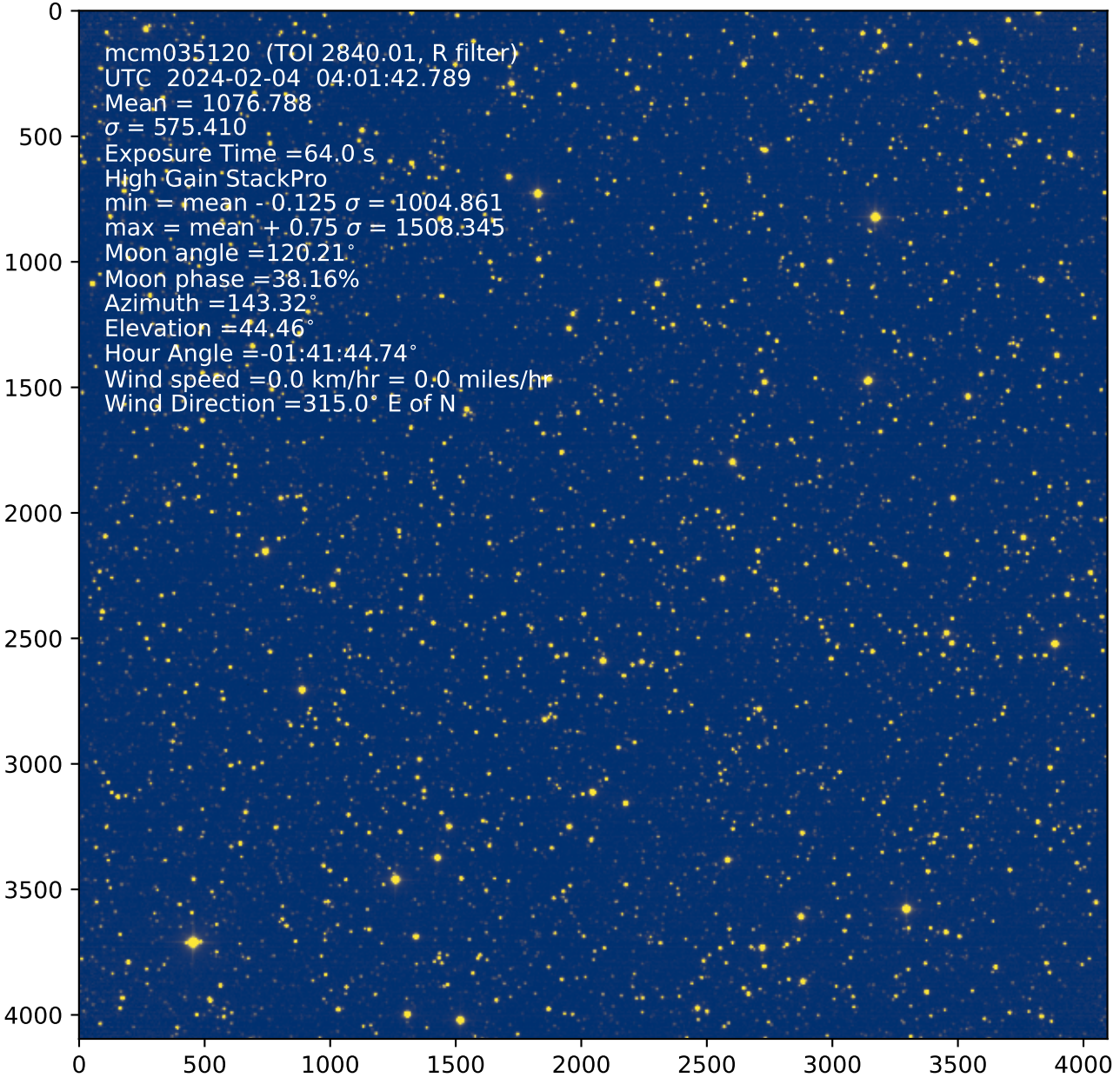

mcm03511b (TOI 2840.01, R filter)
UTC 2024-02-04 03:52:31.460
Mean = 1038.427
σ = 391.984
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 989.428
max = mean + 0.75 σ = 1332.415
Moon angle =120.13°
Moon phase =38.23%
Azimuth =140.7°
Elevation =43.29°
Hour Angle =-01:50:42.20°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

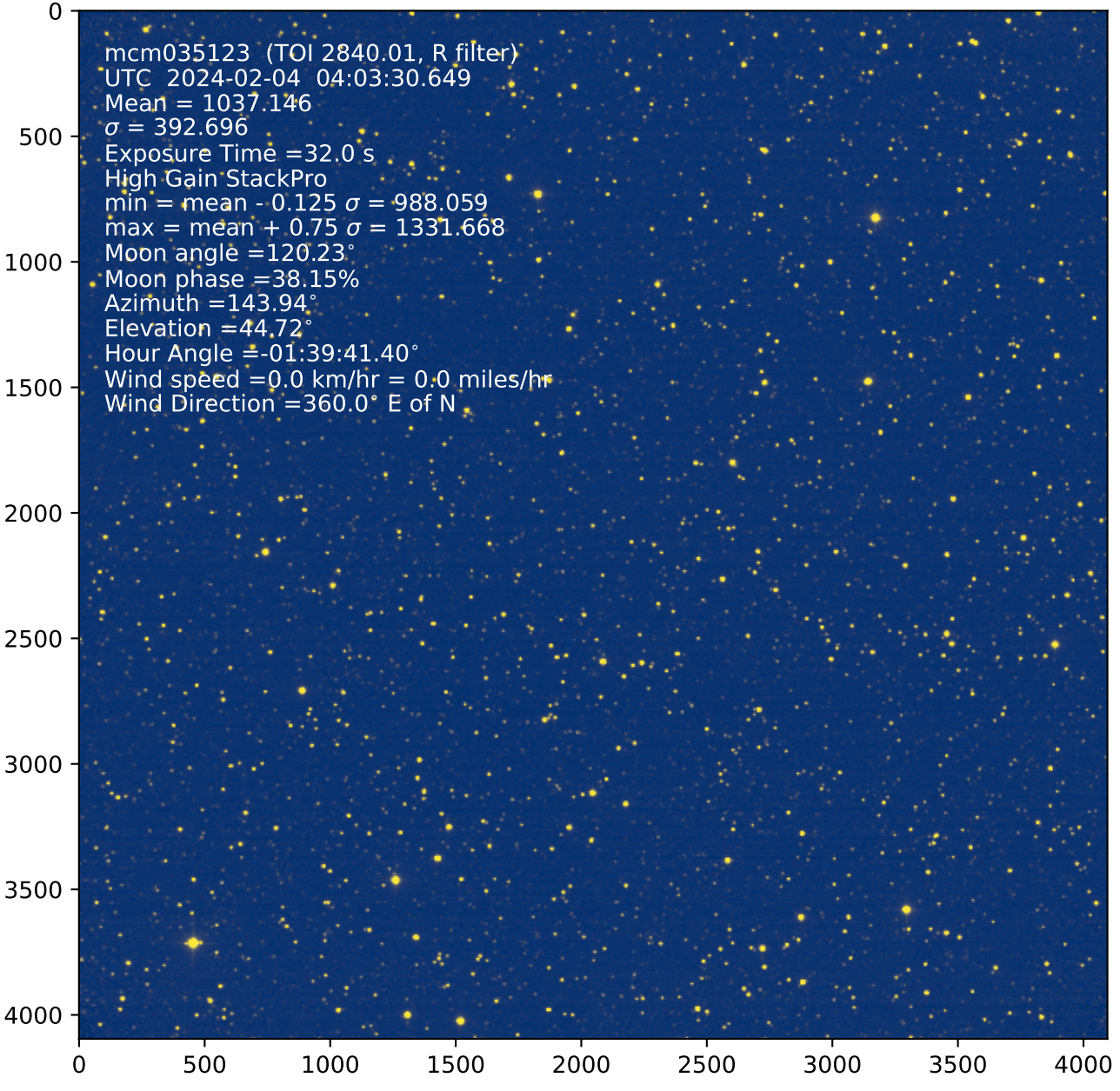

mcm03519 (TOI 2840.01, R filter)
UTC 2024-02-04 03:54:09.910
Mean = 1001.693
σ = 25.866
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.459
max = mean + 0.75 σ = 1021.092
Moon angle =120.14°
Moon phase =38.21%
Azimuth =141.25°
Elevation =43.54°
Hour Angle =-01:48:47.89°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

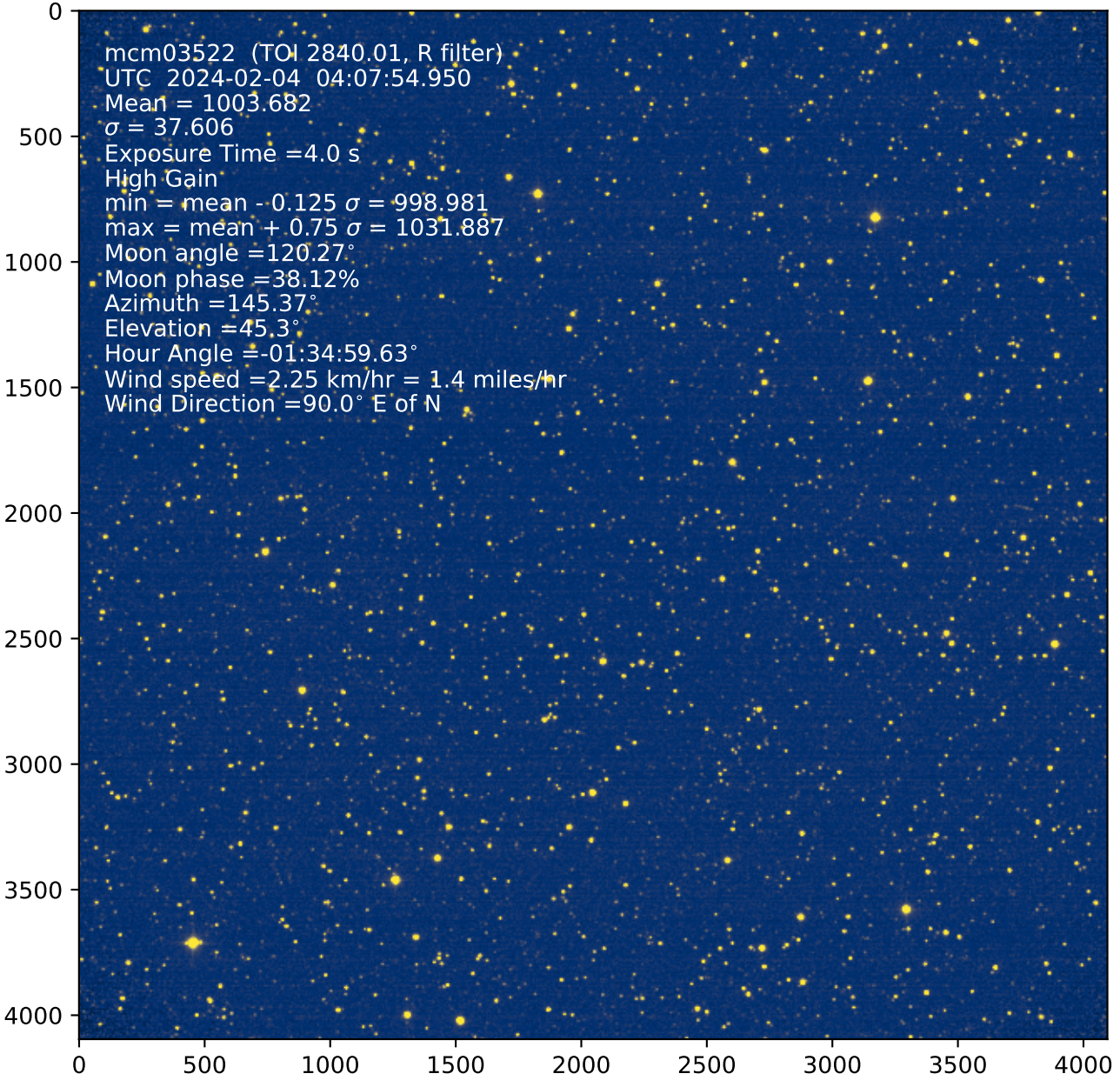

mcm03511c (TOI 2840.01, R filter)
UTC 2024-02-04 03:55:35.780
Mean = 1077.600
σ = 583.034
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1004.721
max = mean + 0.75 σ = 1514.876
Moon angle =120.15°
Moon phase =38.21%
Azimuth =141.52°
Elevation =43.67°
Hour Angle =-01:47:52.74°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

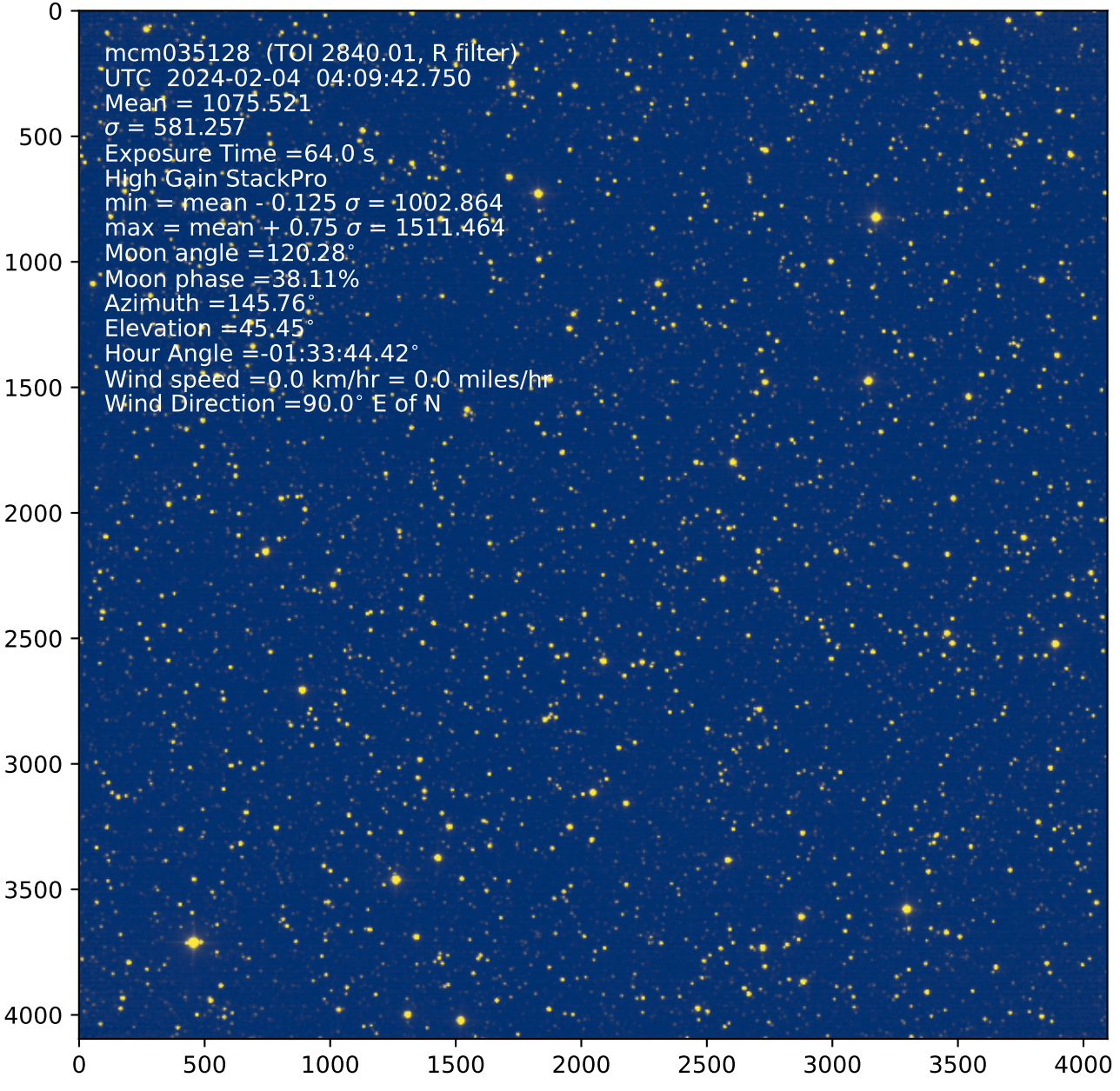

mcm03511e (TOI 2840.01, R filter)
UTC 2024-02-04 03:58:02.160
Mean = 1077.900
σ = 580.944
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1005.282
max = mean + 0.75 σ = 1513.608
Moon angle =120.17°
Moon phase =38.19%
Azimuth =142.23°
Elevation =43.99°
Hour Angle =-01:45:26.34°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

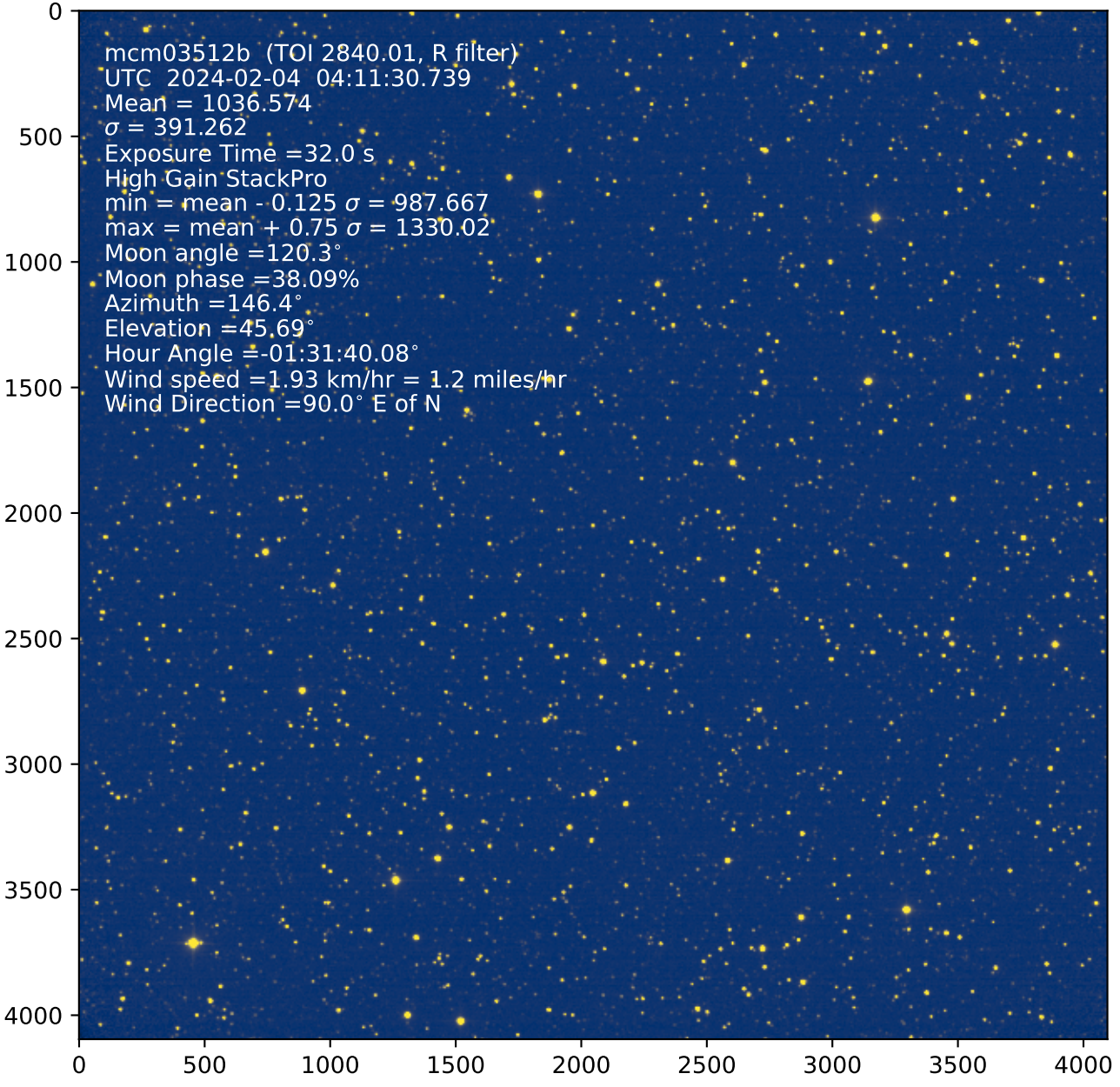

mcm0351f (TOI 2840.01, R filter)
UTC 2024-02-04 03:59:56.140
Mean = 1001.635
σ = 25.925
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.394
max = mean + 0.75 σ = 1021.079
Moon angle =120.2°
Moon phase =38.17%
Azimuth =142.95°
Elevation =44.3°
Hour Angle =-01:42:59.94°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

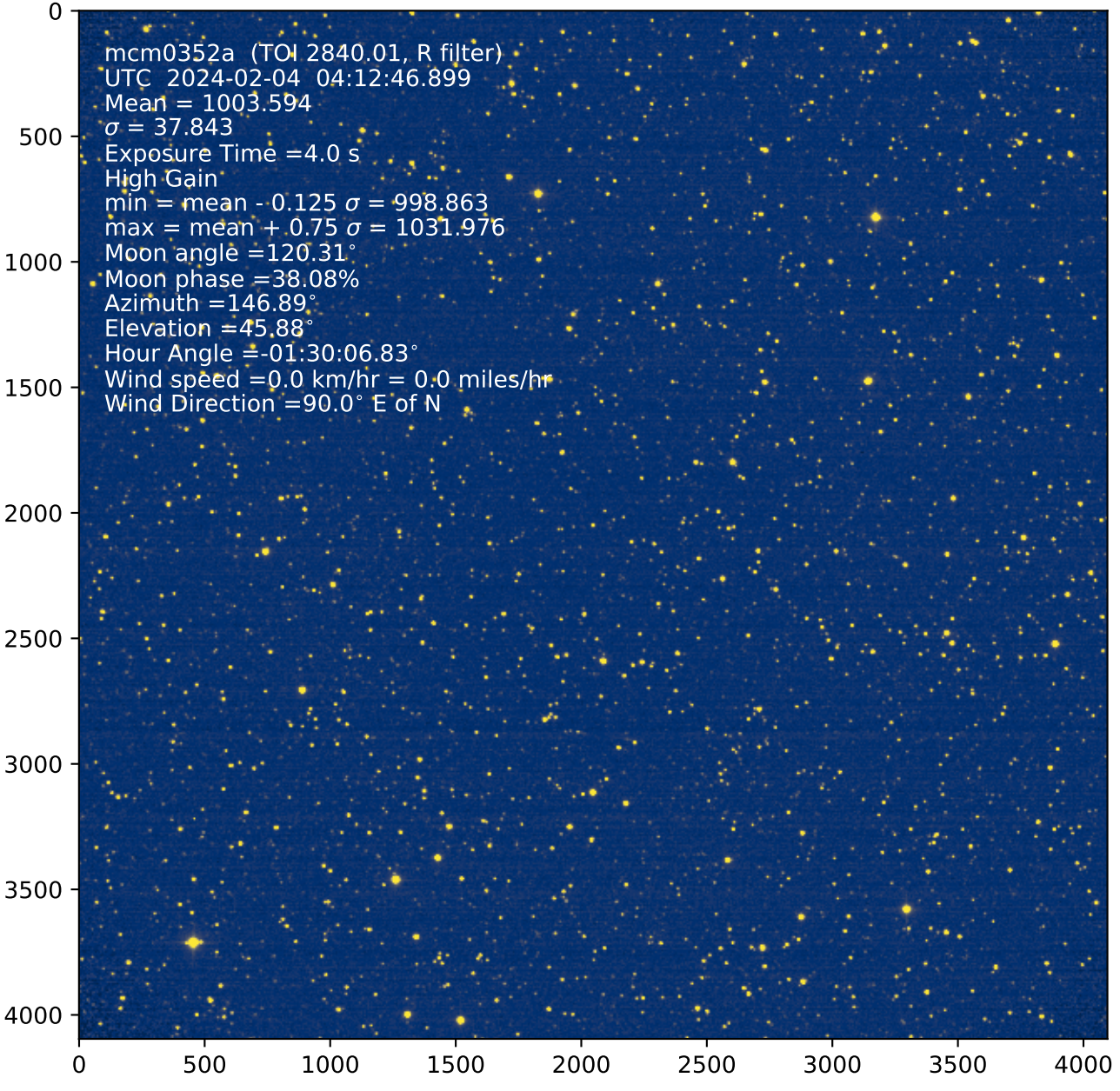

mcm035120 (TOI 2840.01, R filter)
UTC 2024-02-04 04:01:42.789
Mean = 1076.788
σ = 575.410
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1004.861
max = mean + 0.75 σ = 1508.345
Moon angle =120.21°
Moon phase =38.16%
Azimuth =143.32°
Elevation =44.46°
Hour Angle =-01:41:44.74°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =315.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

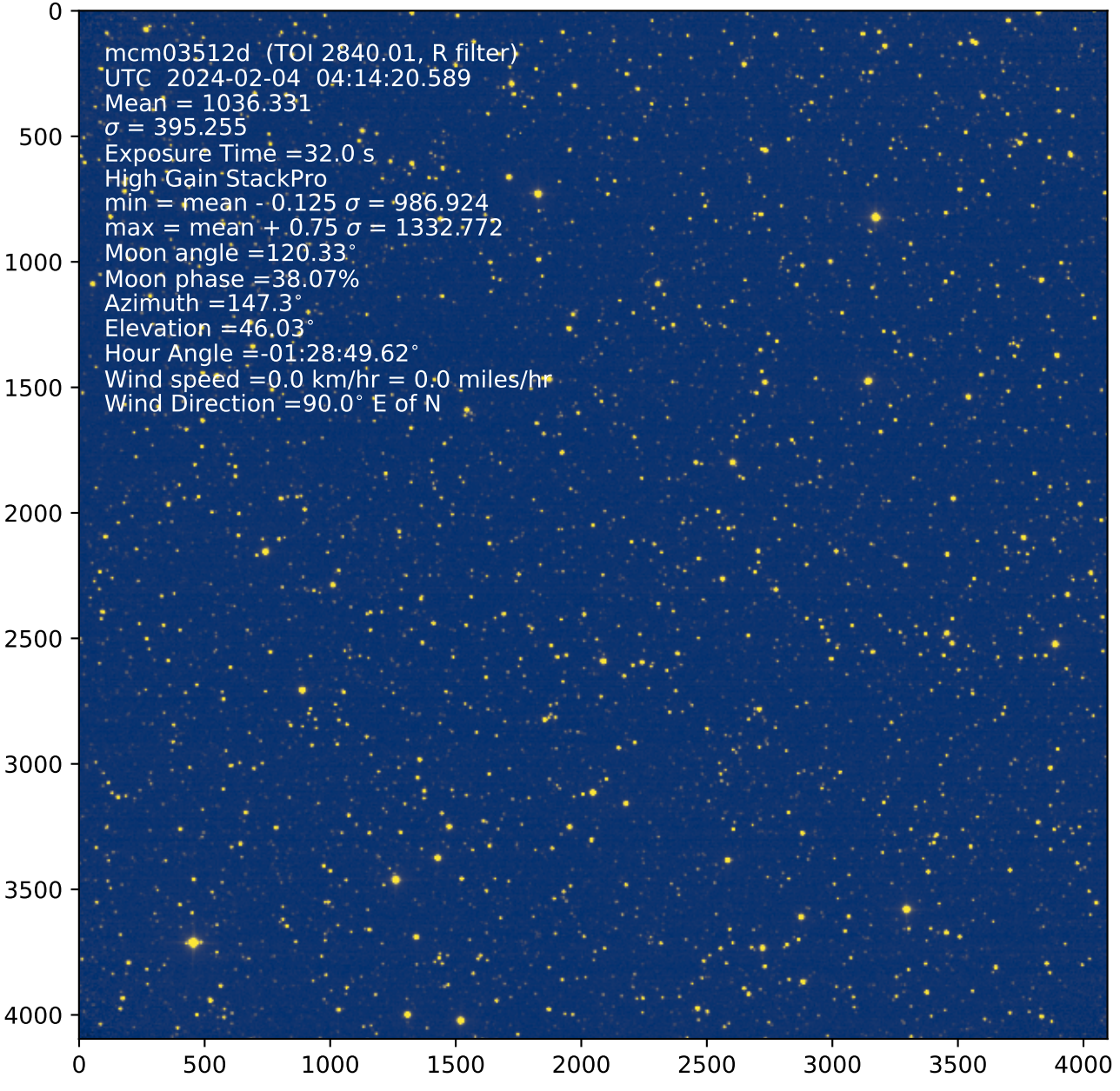

mcm035123 (TOI 2840.01, R filter)
UTC 2024-02-04 04:03:30.649
Mean = 1037.146
σ = 392.696
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 988.059
max = mean + 0.75 σ = 1331.668
Moon angle =120.23°
Moon phase =38.15%
Azimuth =143.94°
Elevation =44.72°
Hour Angle =-01:39:41.40°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =360.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

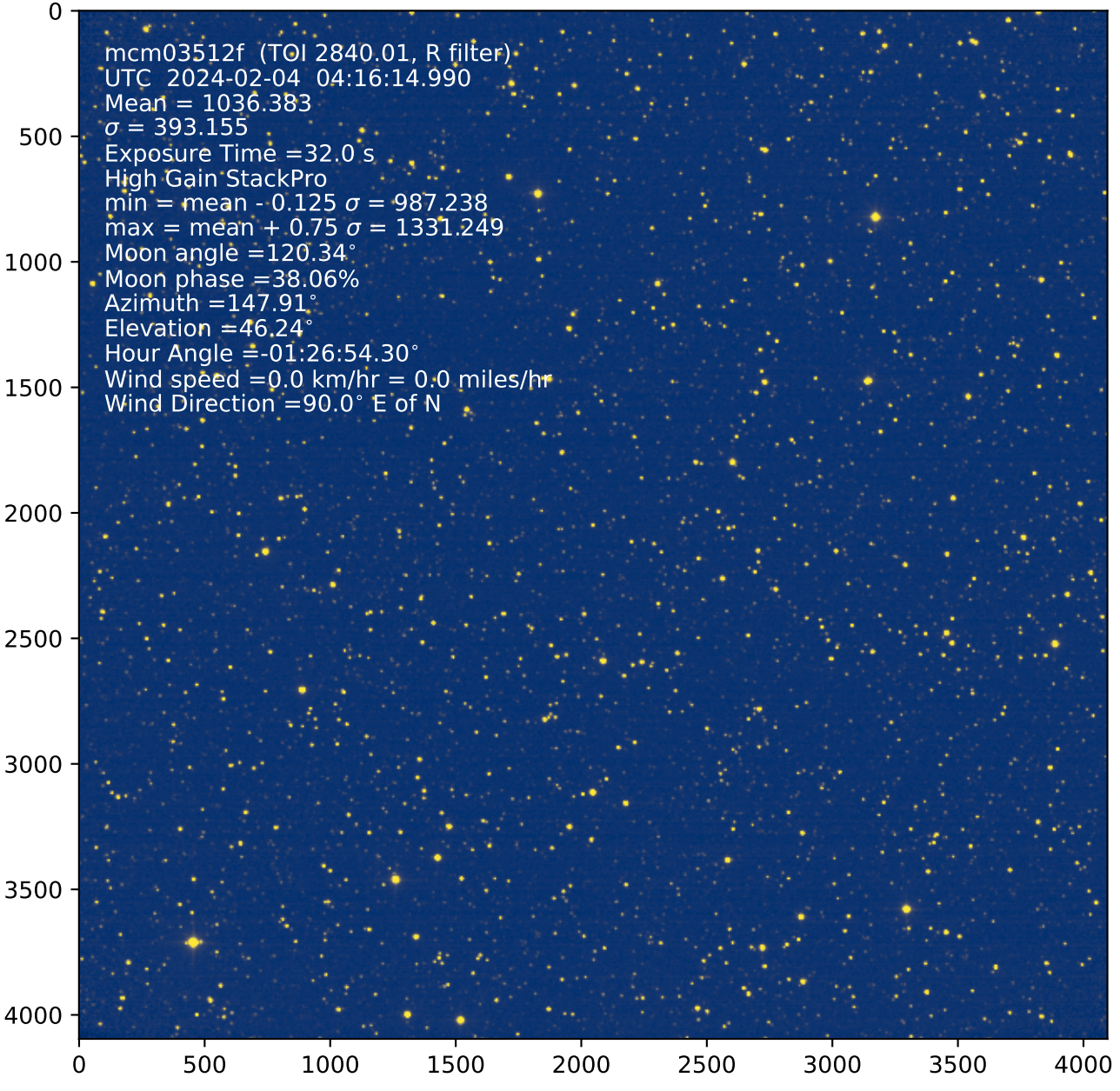

mcm03522 (TOI 2840.01, R filter)
UTC 2024-02-04 04:07:54.950
Mean = 1003.682
σ = 37.606
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.981
max = mean + 0.75 σ = 1031.887
Moon angle =120.27°
Moon phase =38.12%
Azimuth =145.37°
Elevation =45.3°
Hour Angle =-01:34:59.63°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

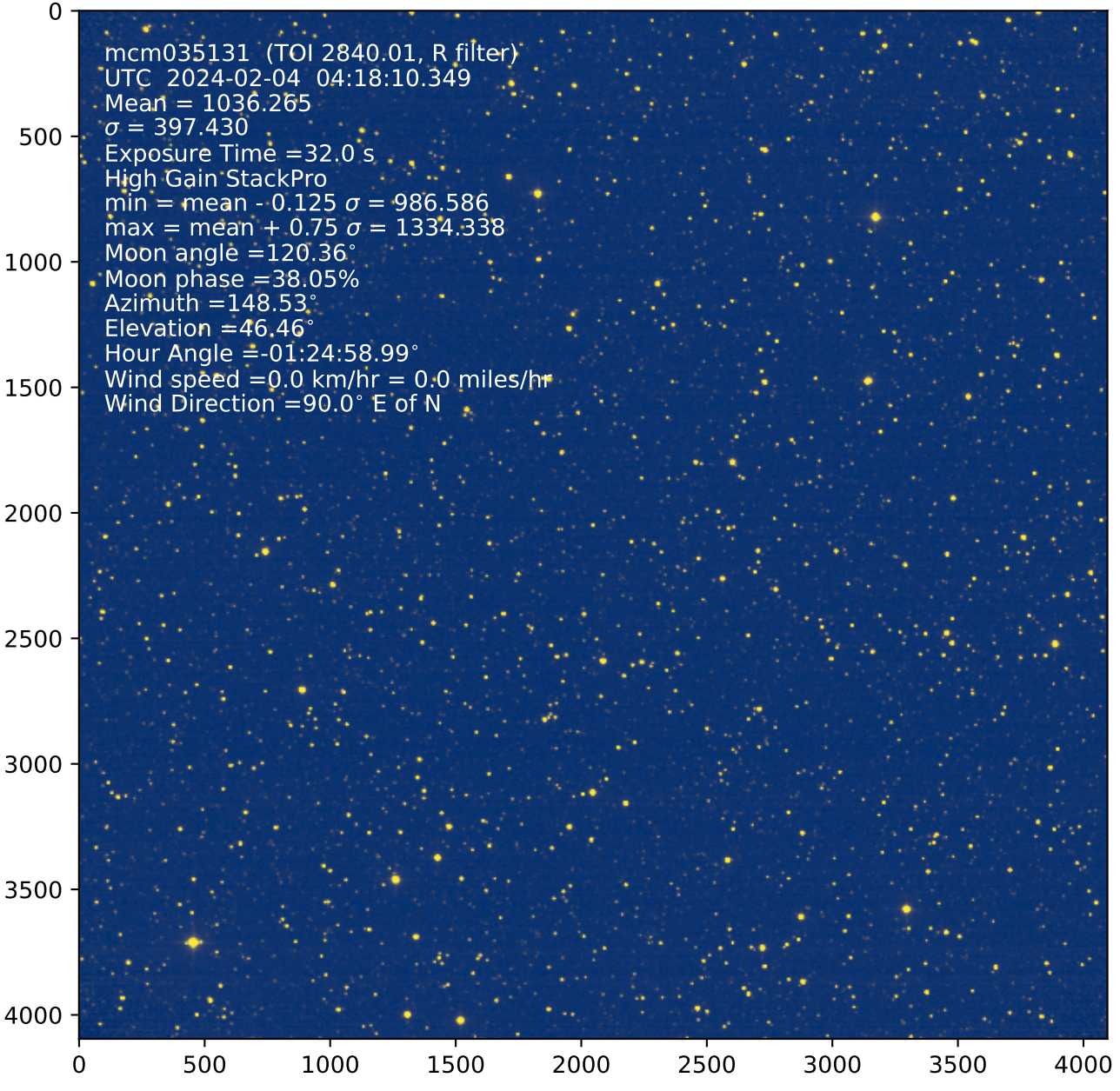

mcm035128 (TOI 2840.01, R filter)
UTC 2024-02-04 04:09:42.750
Mean = 1075.521
σ = 581.257
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1002.864
max = mean + 0.75 σ = 1511.464
Moon angle =120.28°
Moon phase =38.11%
Azimuth =145.76°
Elevation =45.45°
Hour Angle =-01:33:44.42°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

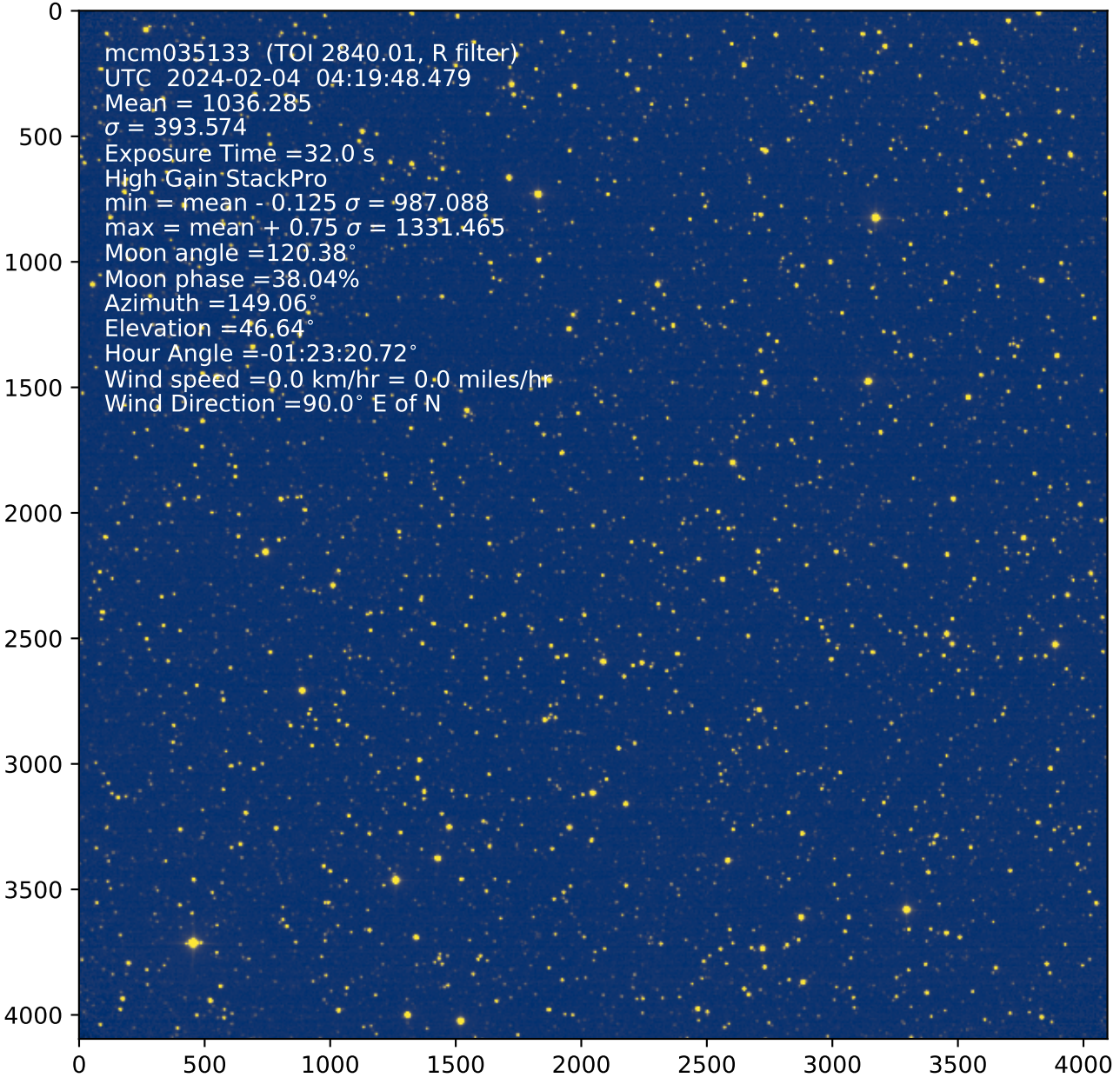

mcm03512b (TOI 2840.01, R filter)
UTC 2024-02-04 04:11:30.739
Mean = 1036.574
σ = 391.262
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 987.667
max = mean + 0.75 σ = 1330.02
Moon angle =120.3°
Moon phase =38.09%
Azimuth =146.4°
Elevation =45.69°
Hour Angle =-01:31:40.08°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

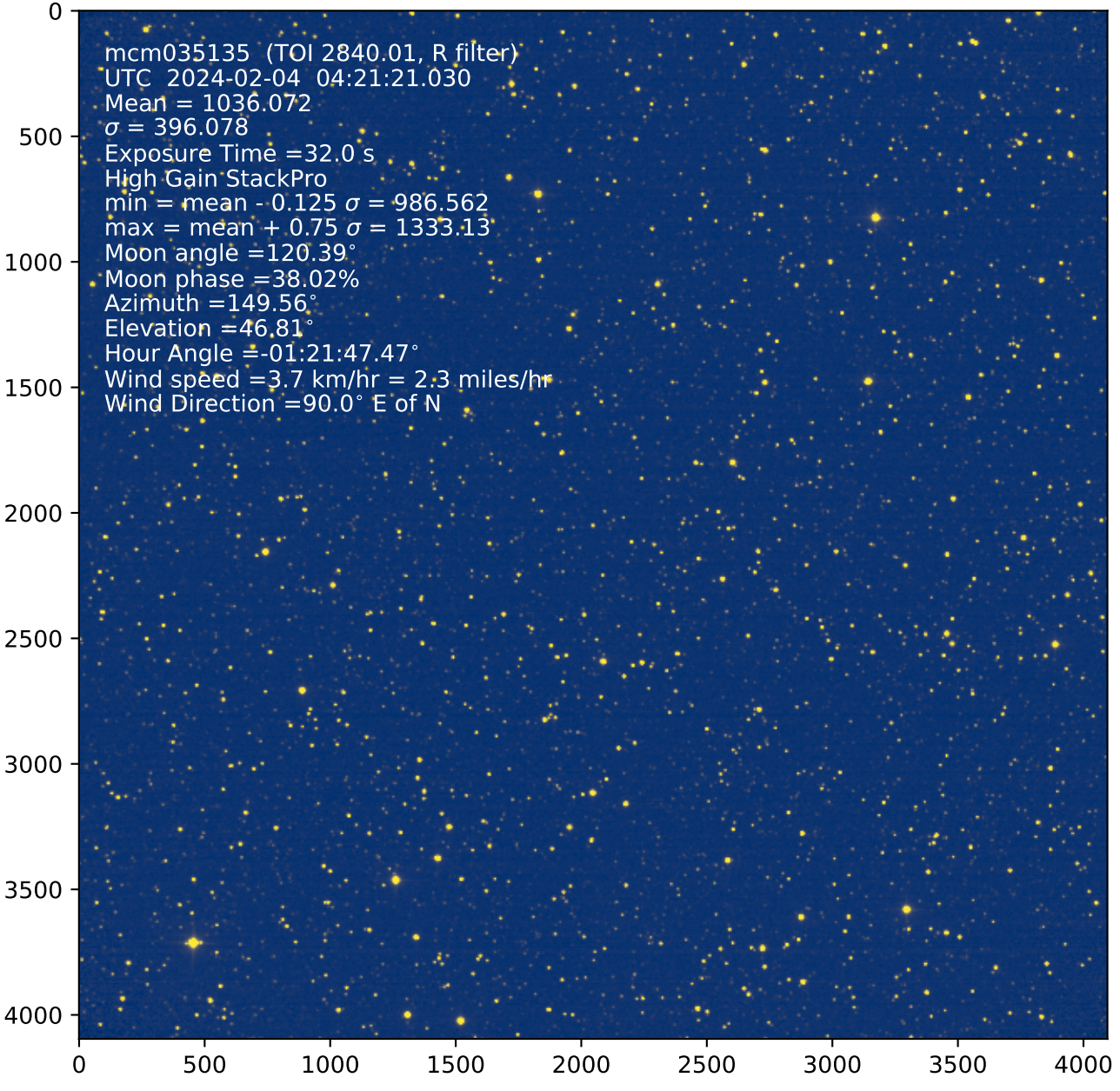

mcm0352a (TOI 2840.01, R filter)
UTC 2024-02-04 04:12:46.899
Mean = 1003.594
σ = 37.843
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.863
max = mean + 0.75 σ = 1031.976
Moon angle =120.31°
Moon phase =38.08%
Azimuth =146.89°
Elevation =45.88°
Hour Angle =-01:30:06.83°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

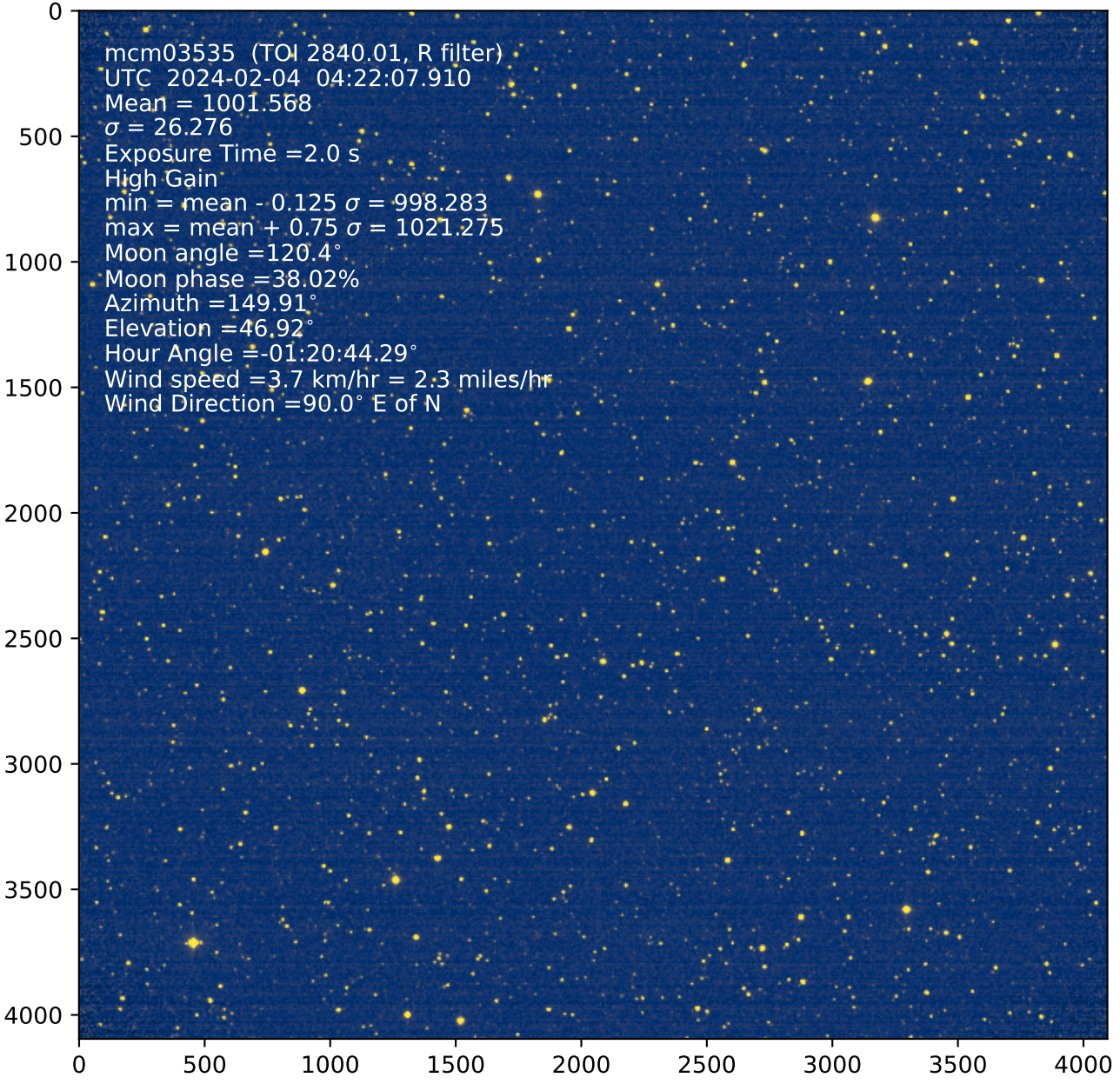

mcm03512d (TOI 2840.01, R filter)
UTC 2024-02-04 04:14:20.589
Mean = 1036.331
σ = 395.255
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 986.924
max = mean + 0.75 σ = 1332.772
Moon angle =120.33°
Moon phase =38.07%
Azimuth =147.3°
Elevation =46.03°
Hour Angle =-01:28:49.62°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

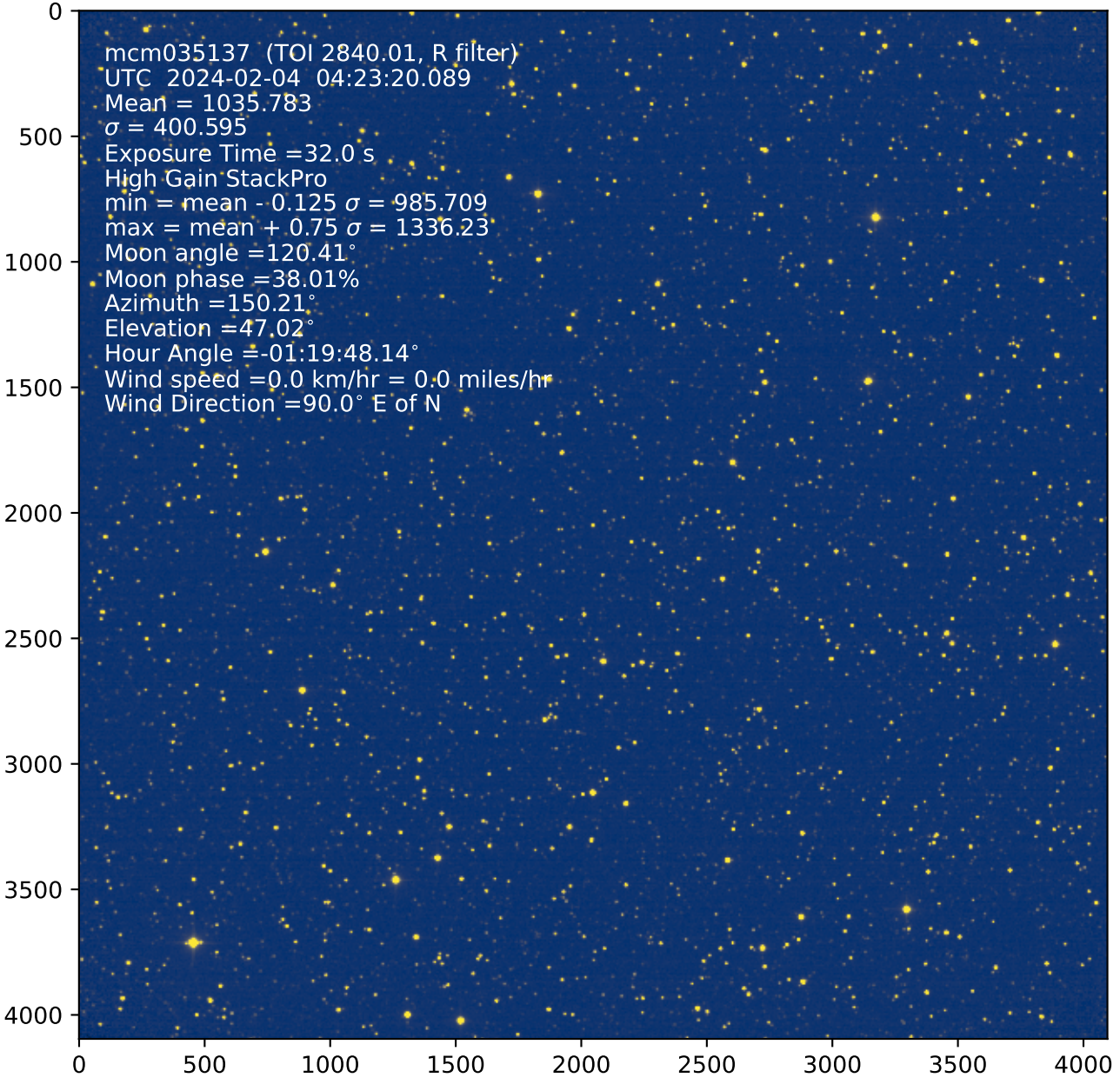

mcm03512f (TOI 2840.01, R filter)
UTC 2024-02-04 04:16:14.990
Mean = 1036.383
σ = 393.155
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 987.238
max = mean + 0.75 σ = 1331.249
Moon angle =120.34°
Moon phase =38.06%
Azimuth =147.91°
Elevation =46.24°
Hour Angle =-01:26:54.30°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

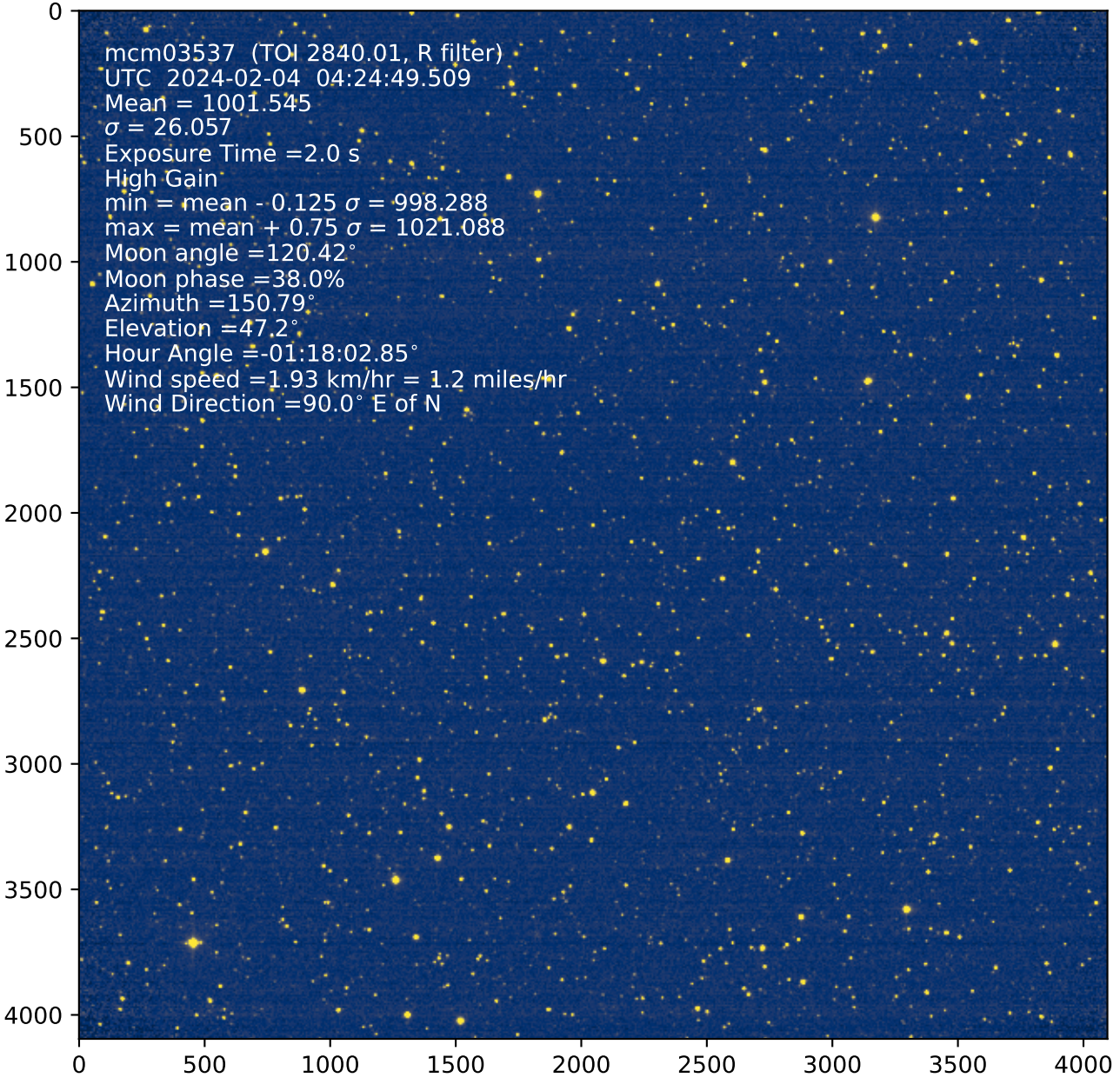

mcm035131 (TOI 2840.01, R filter)
UTC 2024-02-04 04:18:10.349
Mean = 1036.265
σ = 397.430
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 986.586
max = mean + 0.75 σ = 1334.338
Moon angle =120.36°
Moon phase =38.05%
Azimuth =148.53°
Elevation =46.46°
Hour Angle =-01:24:58.99°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

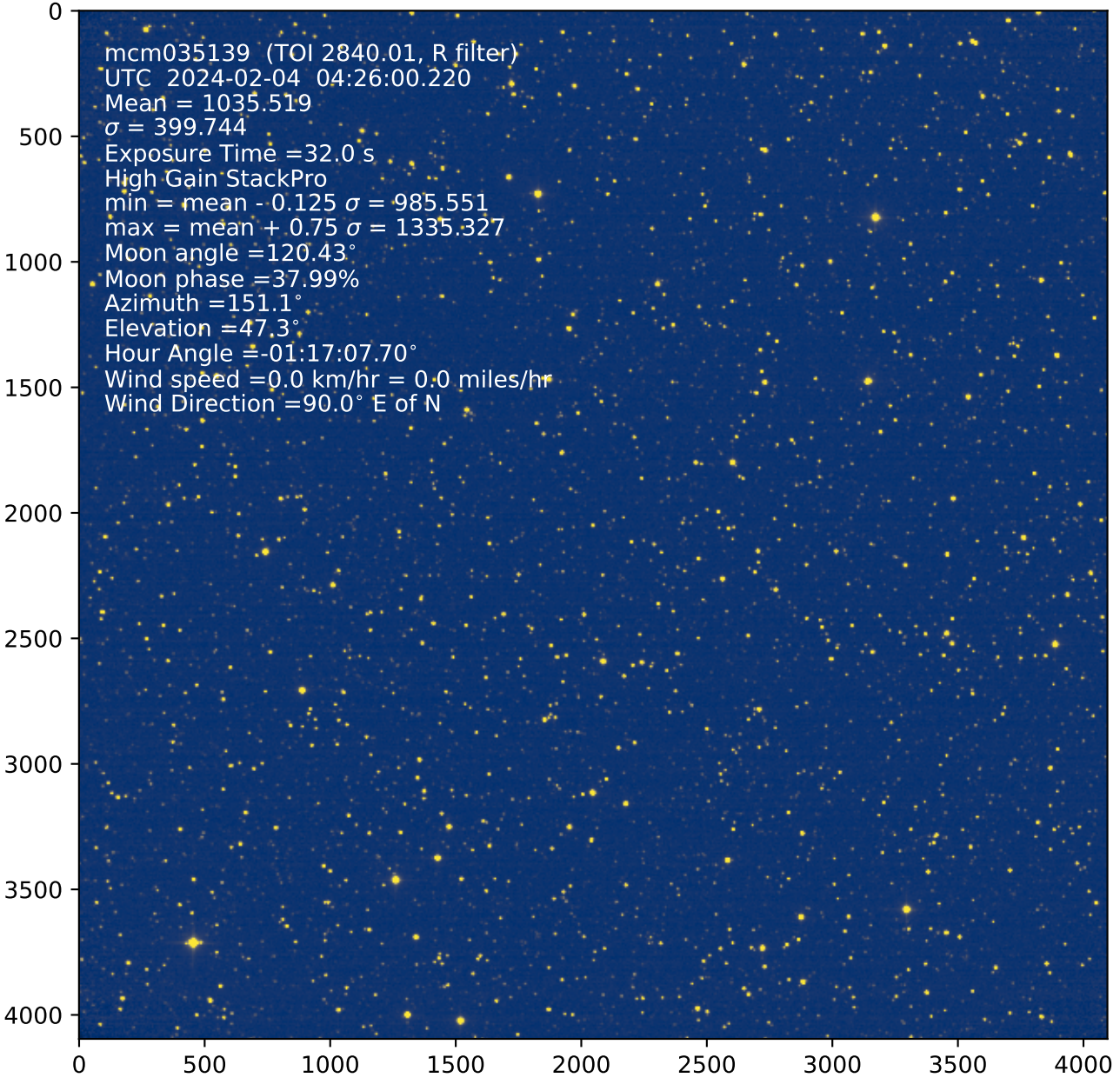

mcm035133 (TOI 2840.01, R filter)
UTC 2024-02-04 04:19:48.479
Mean = 1036.285
σ = 393.574
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 987.088
max = mean + 0.75 σ = 1331.465
Moon angle =120.38°
Moon phase =38.04%
Azimuth =149.06°
Elevation =46.64°
Hour Angle =-01:23:20.72°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

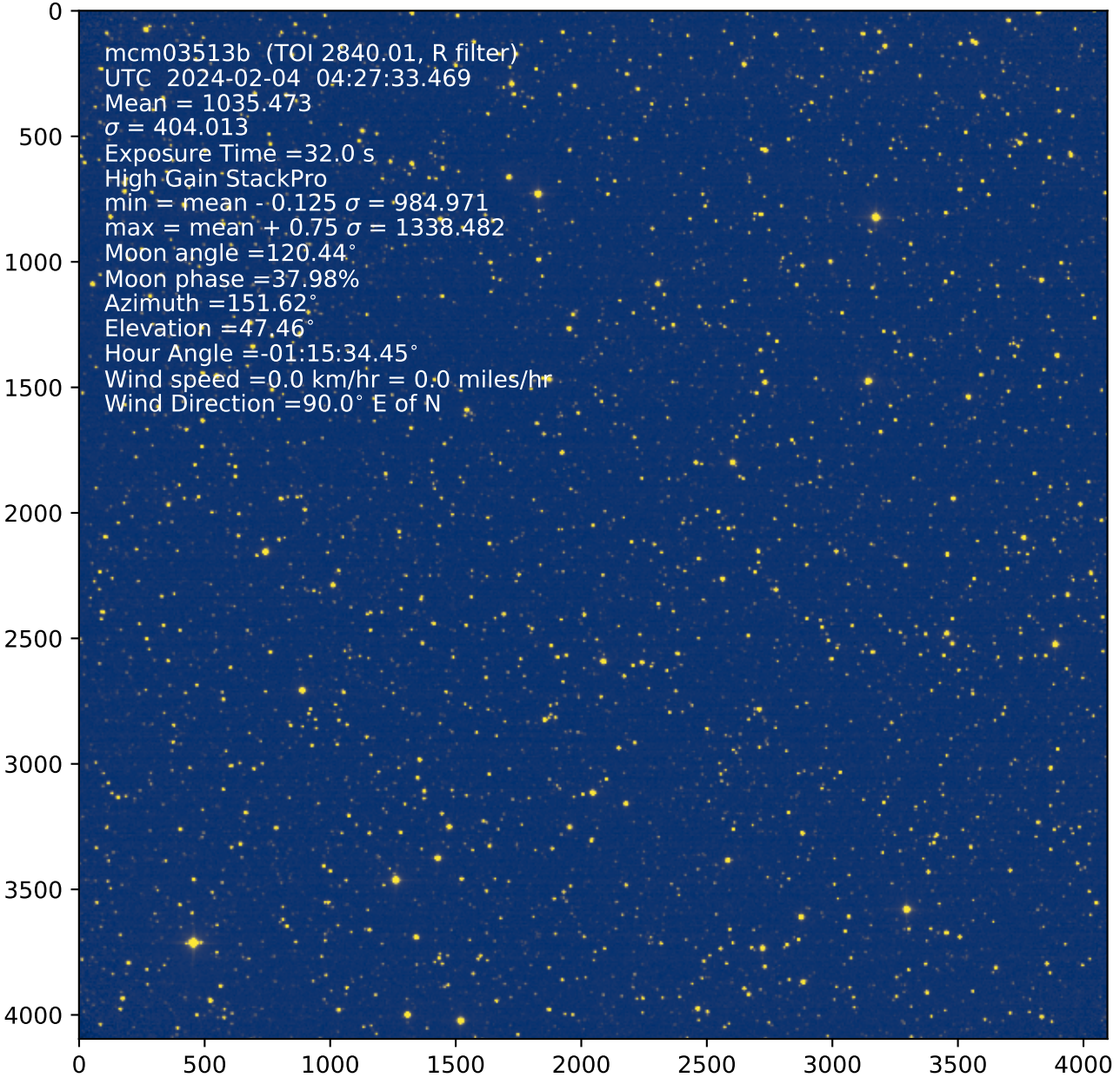

mcm035135 (TOI 2840.01, R filter)
UTC 2024-02-04 04:21:21.030
Mean = 1036.072
σ = 396.078
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 986.562
max = mean + 0.75 σ = 1333.13
Moon angle =120.39°
Moon phase =38.02%
Azimuth =149.56°
Elevation =46.81°
Hour Angle =-01:21:47.47°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

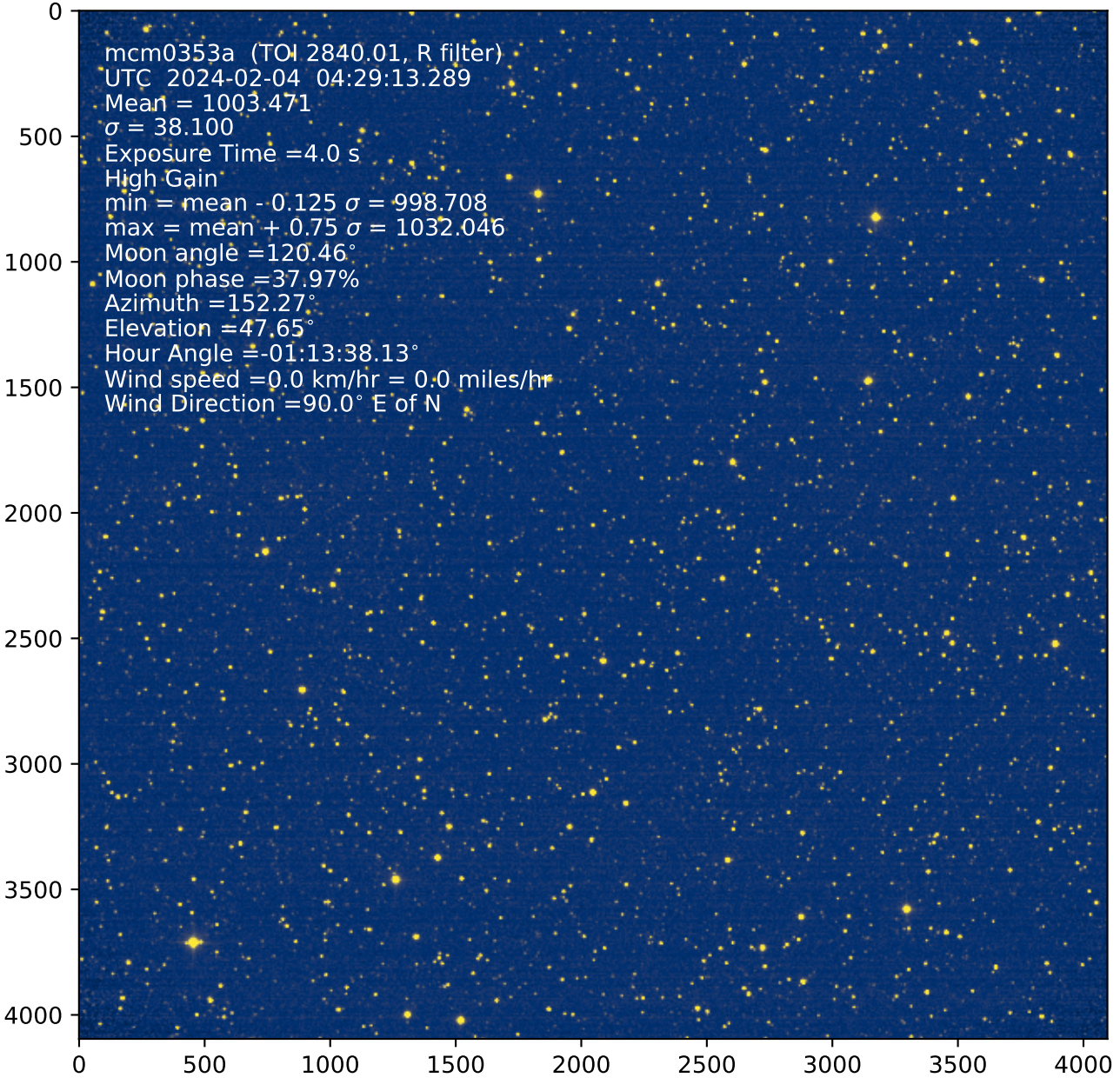

mcm03535 (TOI 2840.01, R filter)
UTC 2024-02-04 04:22:07.910
Mean = 1001.568
σ = 26.276
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.283
max = mean + 0.75 σ = 1021.275
Moon angle =120.4°
Moon phase =38.02%
Azimuth =149.91°
Elevation =46.92°
Hour Angle =-01:20:44.29°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

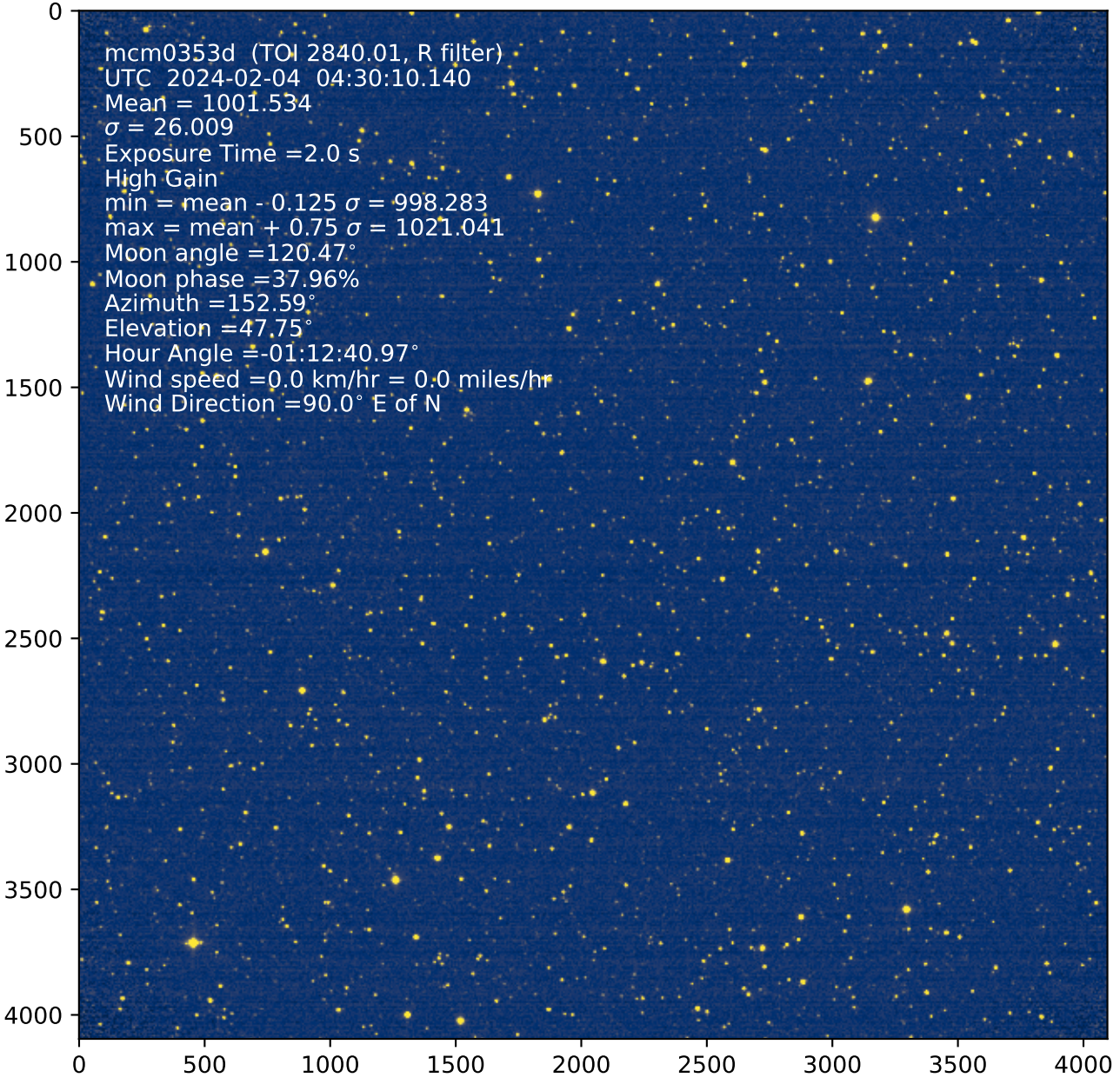

mcm035137 (TOI 2840.01, R filter)
UTC 2024-02-04 04:23:20.089
Mean = 1035.783
σ = 400.595
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 985.709
max = mean + 0.75 σ = 1336.23
Moon angle =120.41°
Moon phase =38.01%
Azimuth =150.21°
Elevation =47.02°
Hour Angle =-01:19:48.14°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

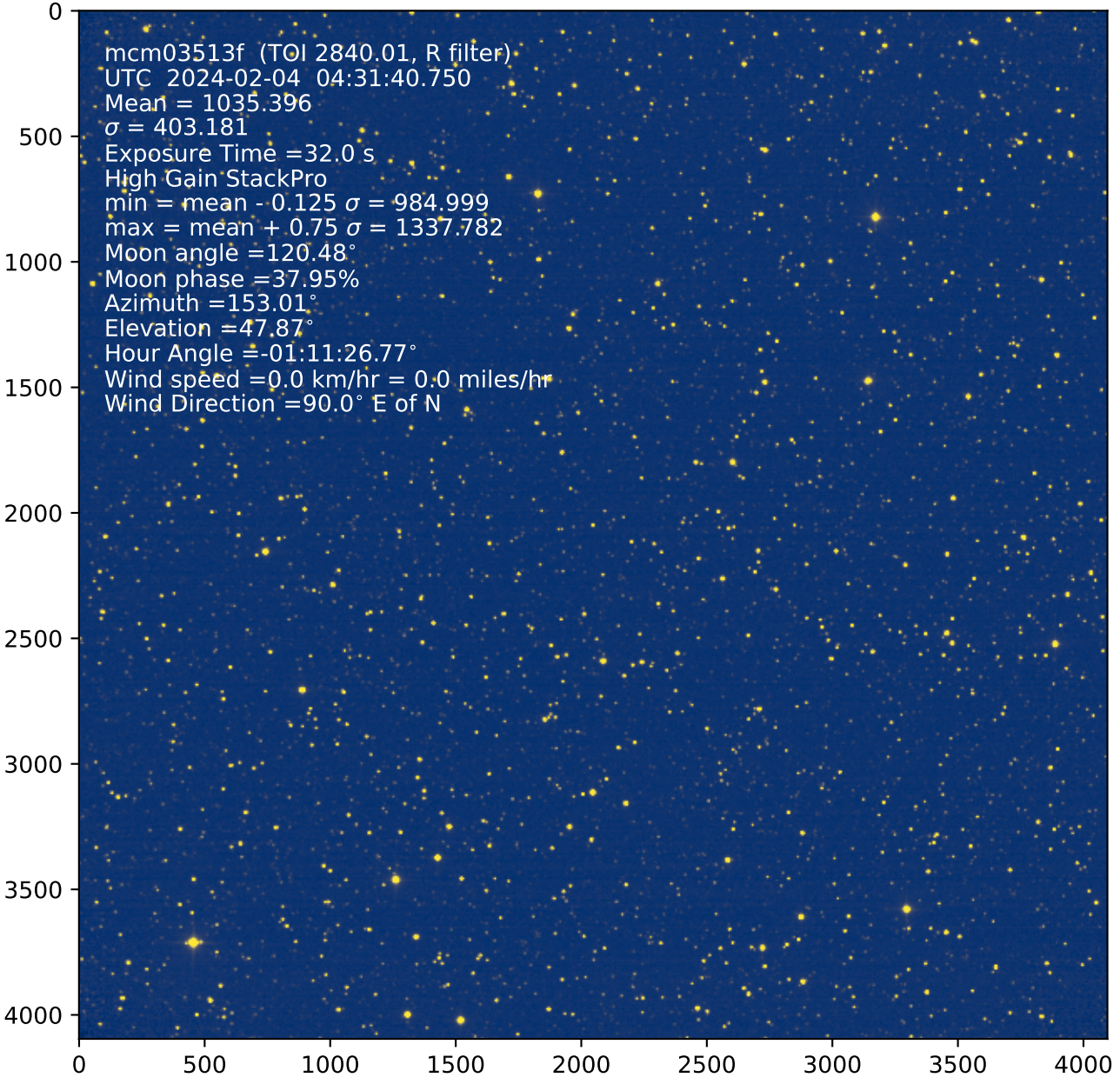

mcm03537 (TOI 2840.01, R filter)
UTC 2024-02-04 04:24:49.509
Mean = 1001.545
σ = 26.057
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.288
max = mean + 0.75 σ = 1021.088
Moon angle =120.42°
Moon phase =38.0%
Azimuth =150.79°
Elevation =47.2°
Hour Angle =-01:18:02.85°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

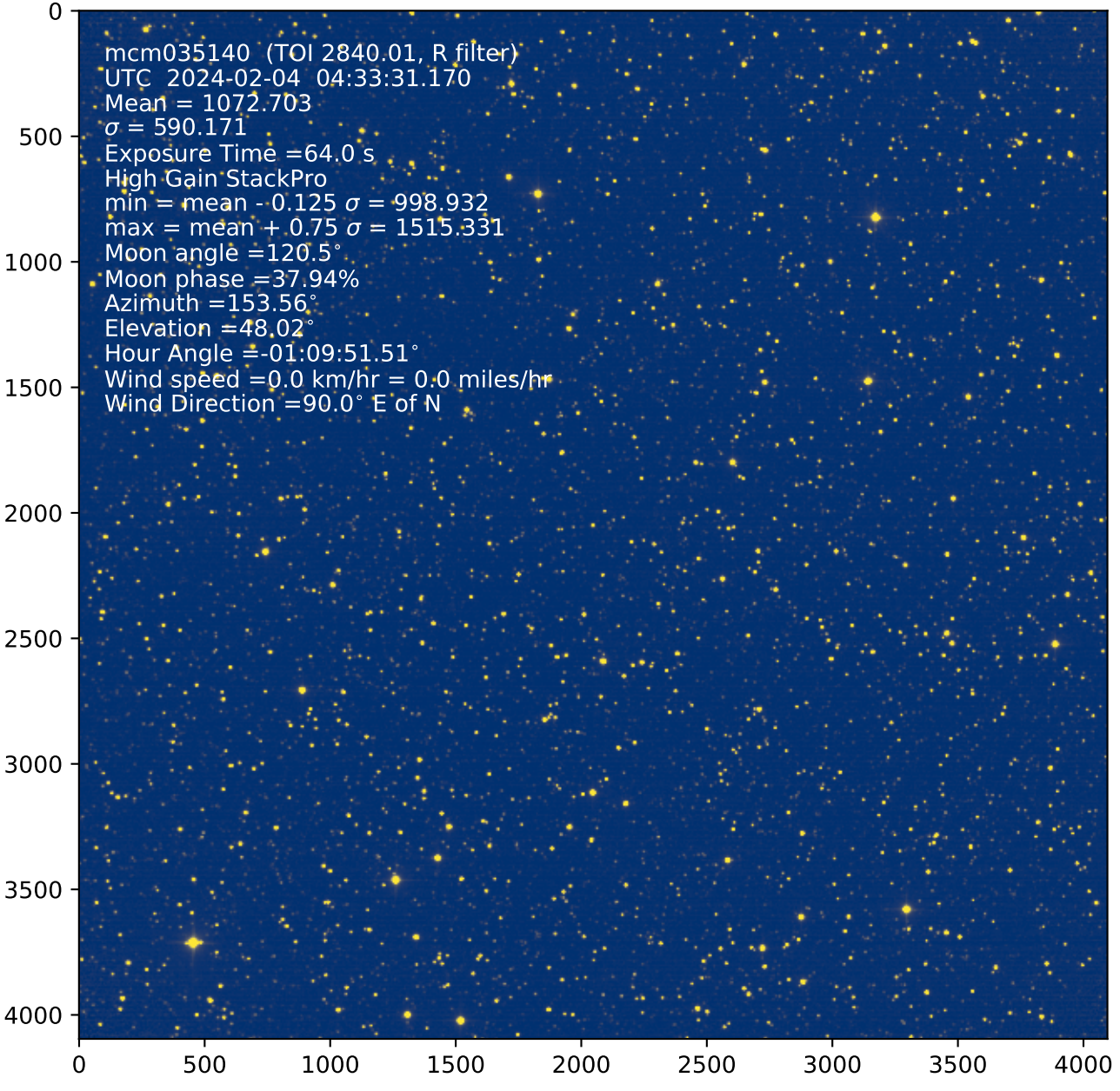

mcm035139 (TOI 2840.01, R filter)
UTC 2024-02-04 04:26:00.220
Mean = 1035.519
σ = 399.744
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 985.551
max = mean + 0.75 σ = 1335.327
Moon angle =120.43°
Moon phase =37.99%
Azimuth =151.1°
Elevation =47.3°
Hour Angle =-01:17:07.70°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

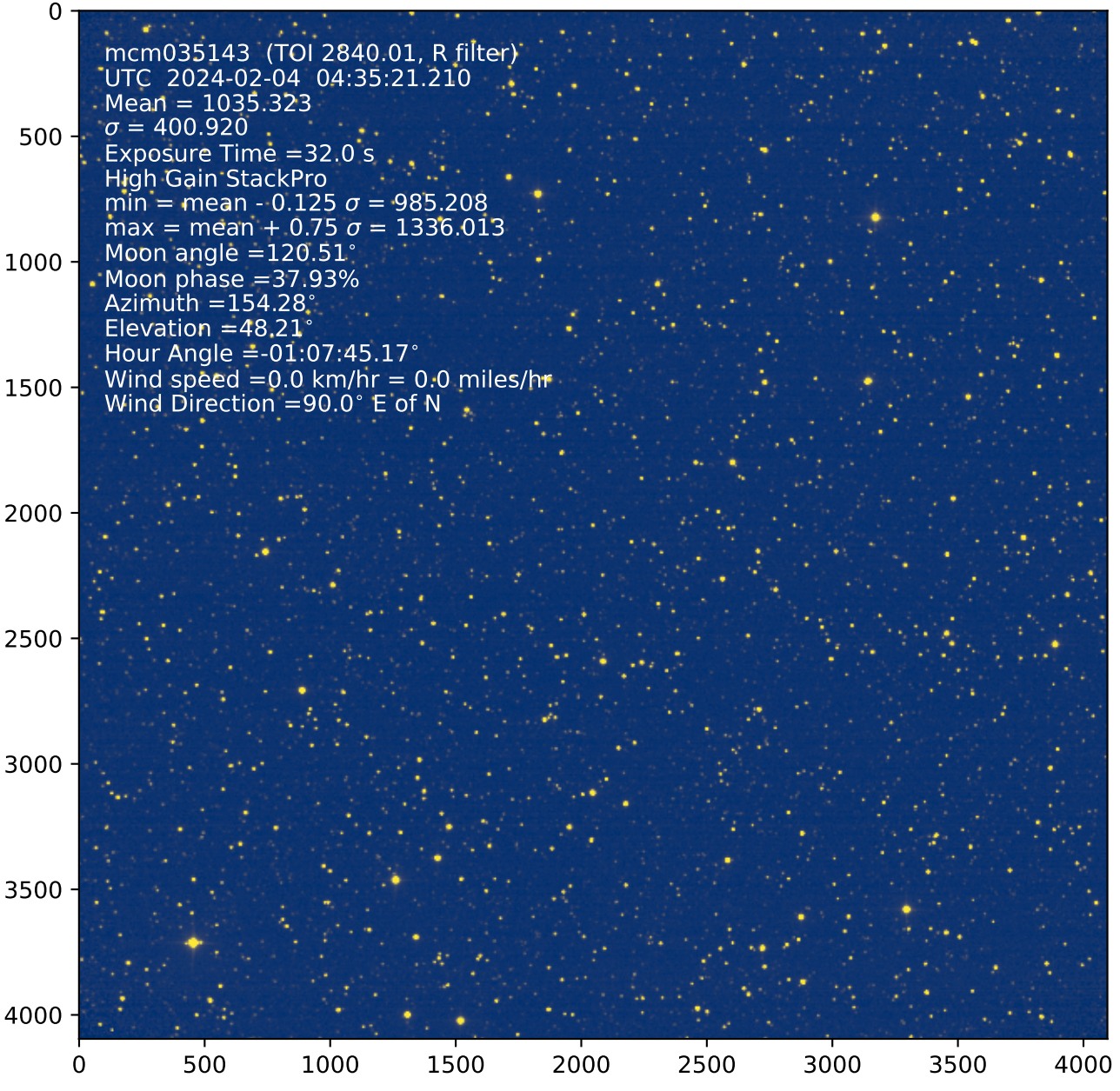

mcm03513b (TOI 2840.01, R filter)
UTC 2024-02-04 04:27:33.469
Mean = 1035.473
σ = 404.013
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 984.971
max = mean + 0.75 σ = 1338.482
Moon angle =120.44°
Moon phase =37.98%
Azimuth =151.62°
Elevation =47.46°
Hour Angle =-01:15:34.45°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

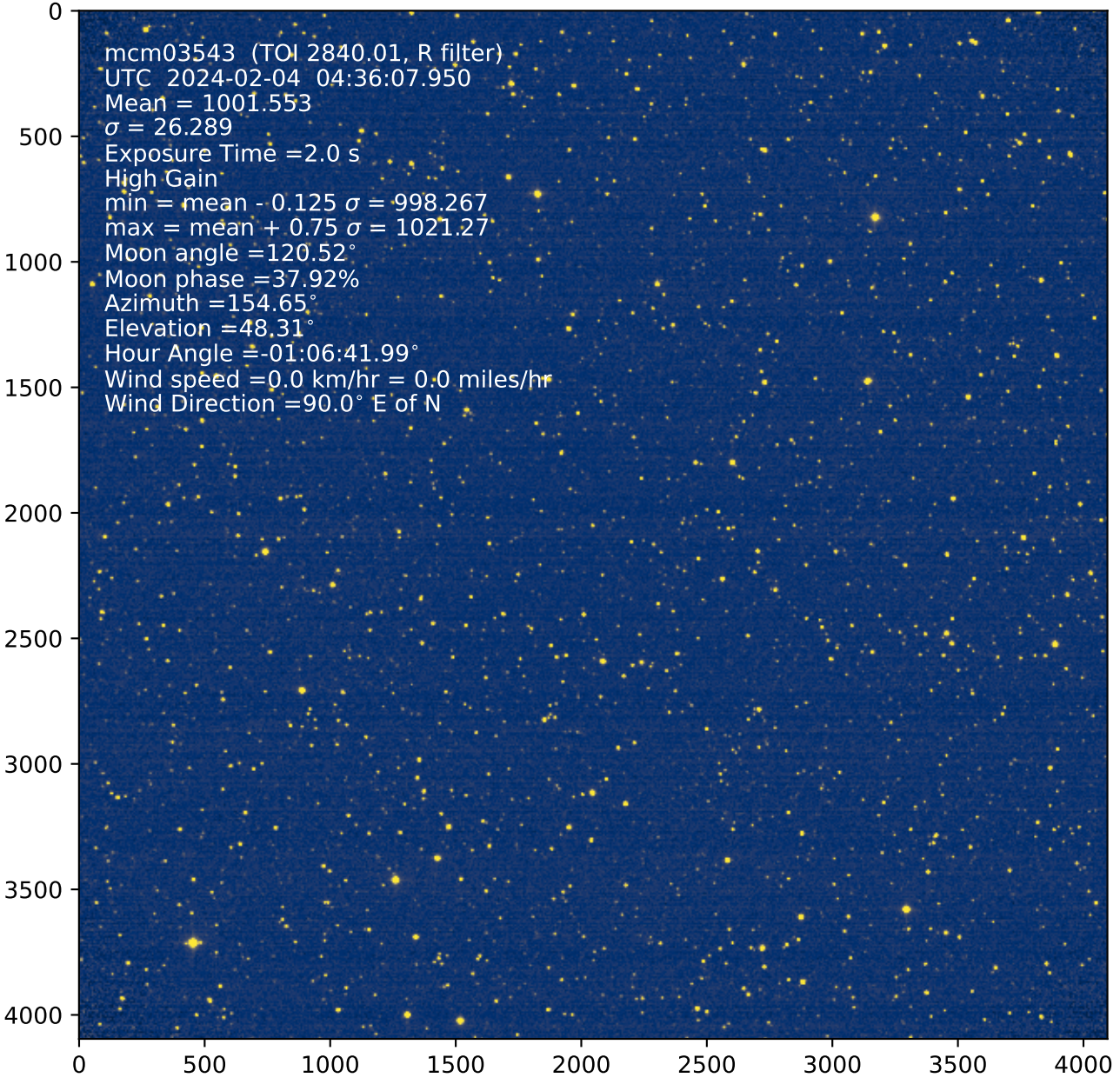

mcm0353a (TOI 2840.01, R filter)
UTC 2024-02-04 04:29:13.289
Mean = 1003.471
σ = 38.100
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.708
max = mean + 0.75 σ = 1032.046
Moon angle =120.46°
Moon phase =37.97%
Azimuth =152.27°
Elevation =47.65°
Hour Angle =-01:13:38.13°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

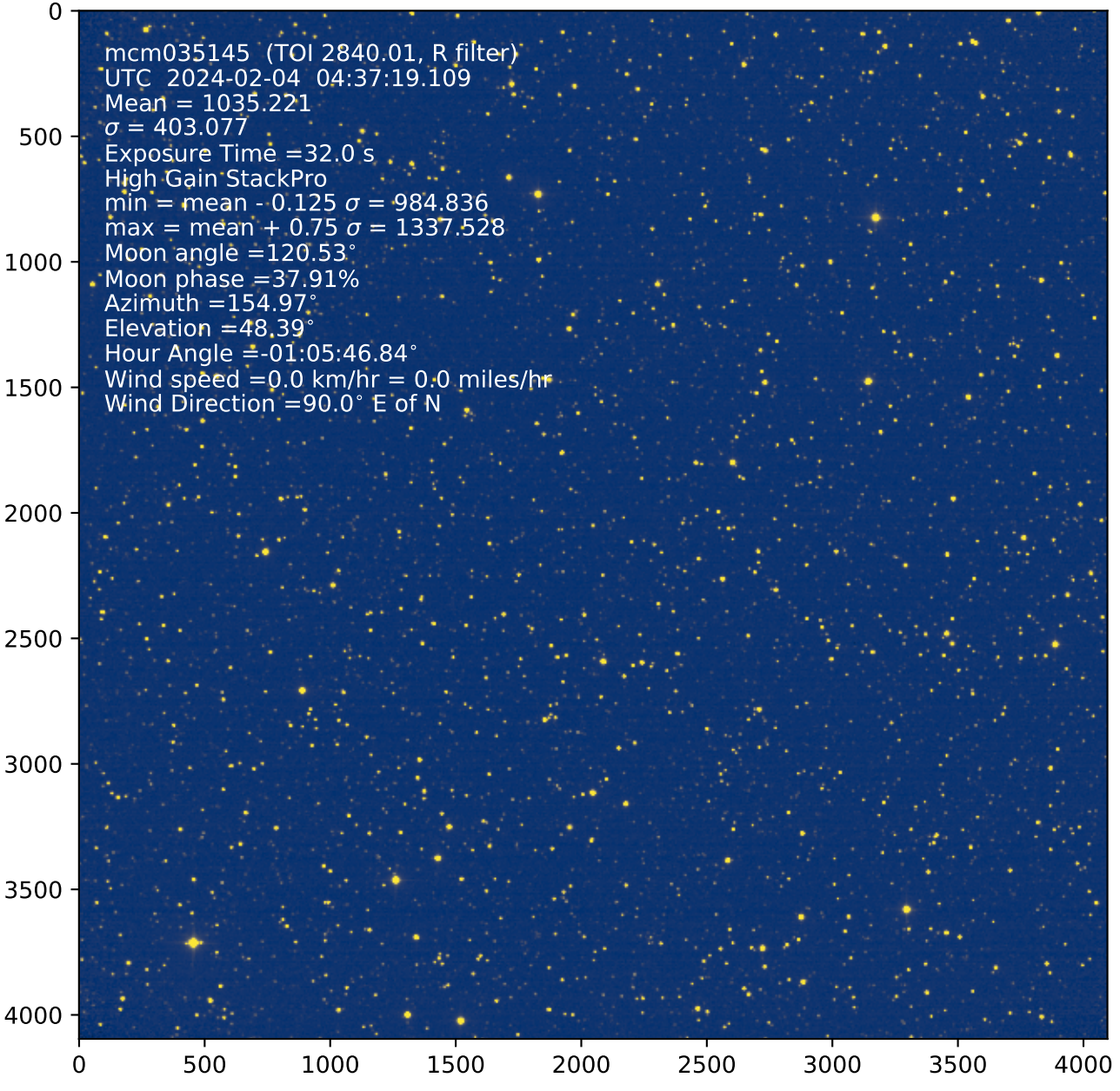

mcm0353d (TOI 2840.01, R filter)
UTC 2024-02-04 04:30:10.140
Mean = 1001.534
σ = 26.009
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.283
max = mean + 0.75 σ = 1021.041
Moon angle =120.47°
Moon phase =37.96%
Azimuth =152.59°
Elevation =47.75°
Hour Angle =-01:12:40.97°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

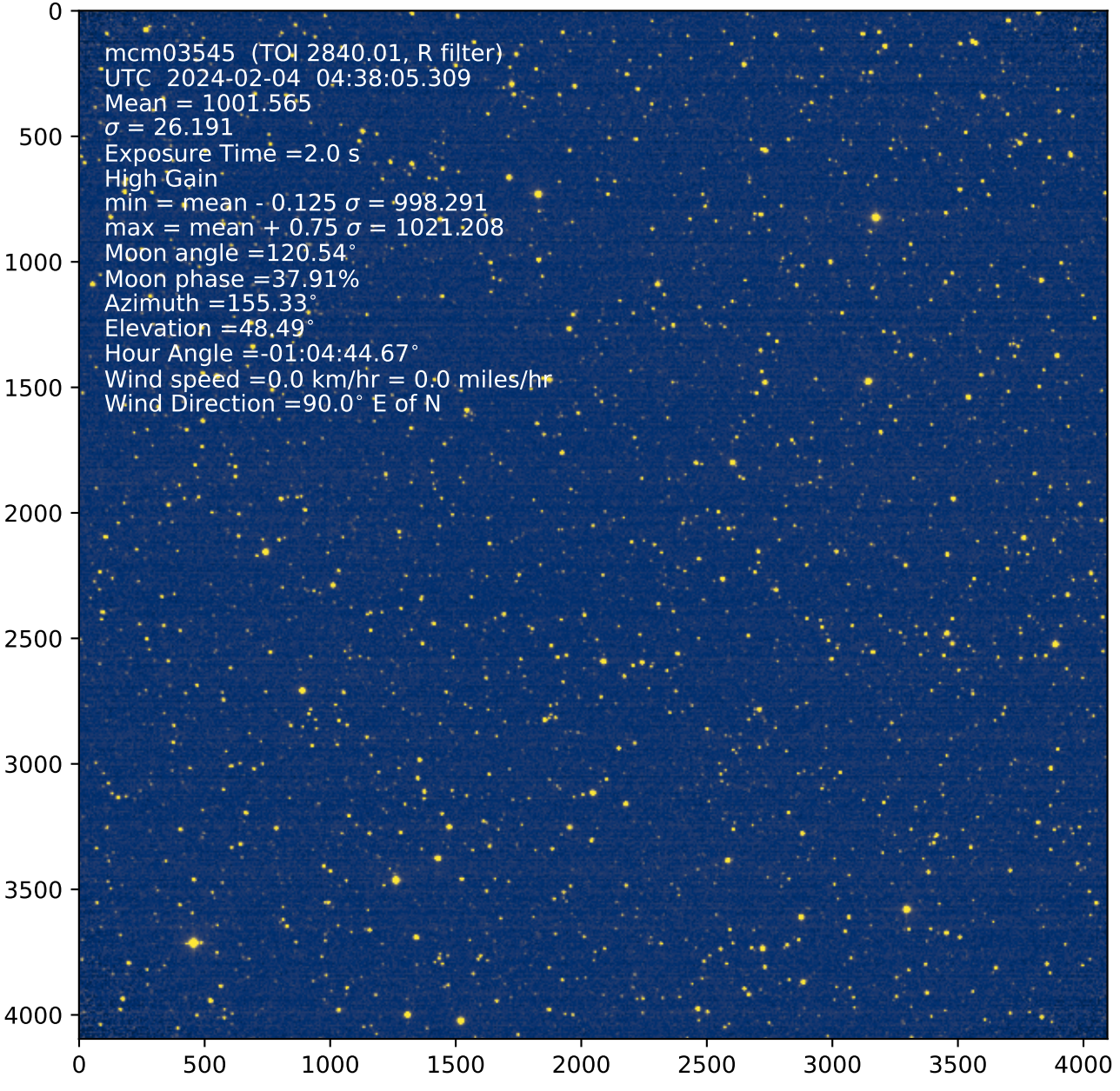

mcm03513f (TOI 2840.01, R filter)
UTC 2024-02-04 04:31:40.750
Mean = 1035.396
σ = 403.181
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 984.999
max = mean + 0.75 σ = 1337.782
Moon angle =120.48°
Moon phase =37.95%
Azimuth =153.01°
Elevation =47.87°
Hour Angle =-01:11:26.77°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

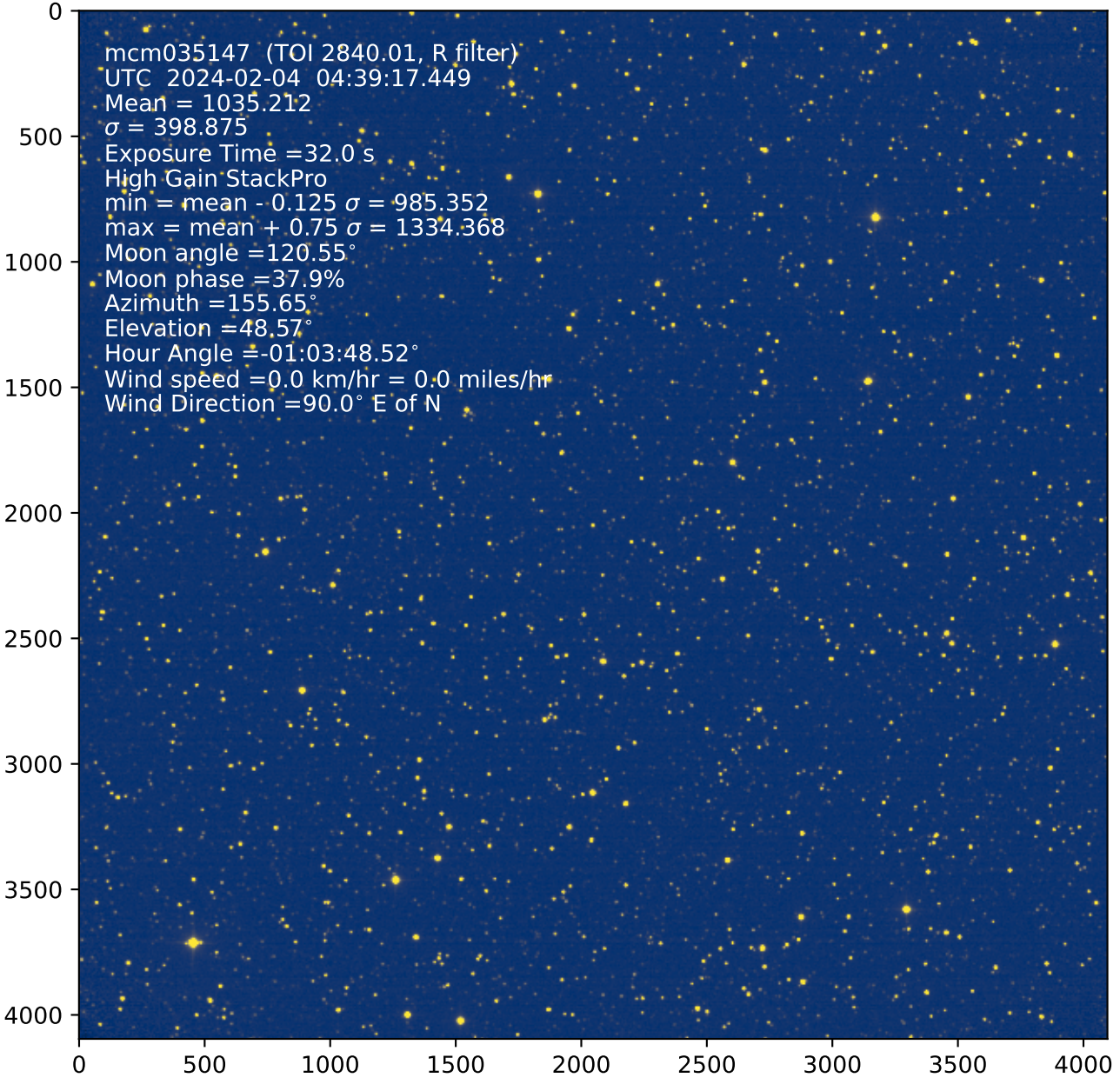

mcm035140 (TOI 2840.01, R filter)
UTC 2024-02-04 04:33:31.170
Mean = 1072.703
σ = 590.171
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 998.932
max = mean + 0.75 σ = 1515.331
Moon angle =120.5°
Moon phase =37.94%
Azimuth =153.56°
Elevation =48.02°
Hour Angle =-01:09:51.51°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

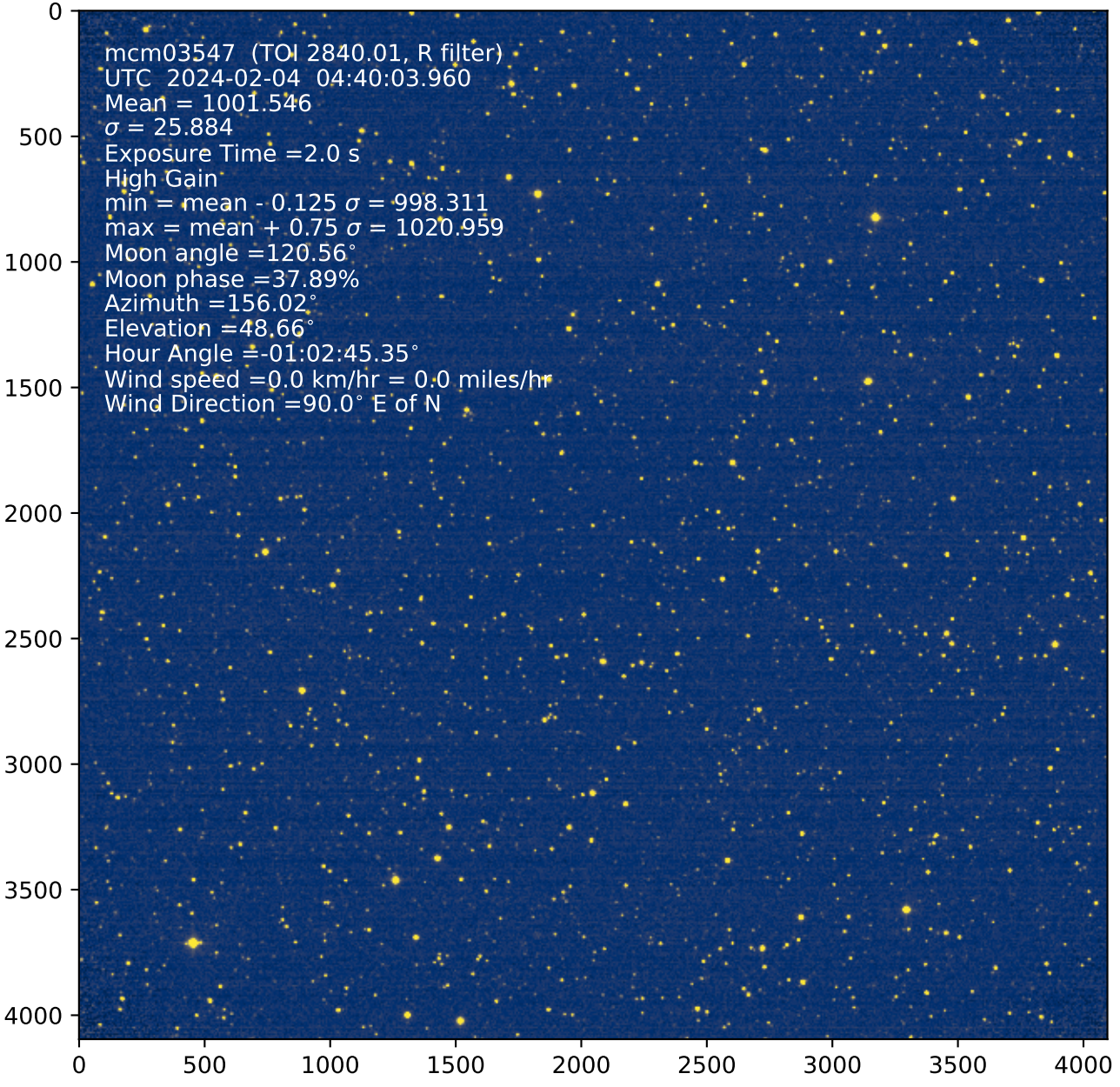

mcm035143 (TOI 2840.01, R filter)
UTC 2024-02-04 04:35:21.210
Mean = 1035.323
σ = 400.920
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 985.208
max = mean + 0.75 σ = 1336.013
Moon angle =120.51°
Moon phase =37.93%
Azimuth =154.28°
Elevation =48.21°
Hour Angle =-01:07:45.17°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

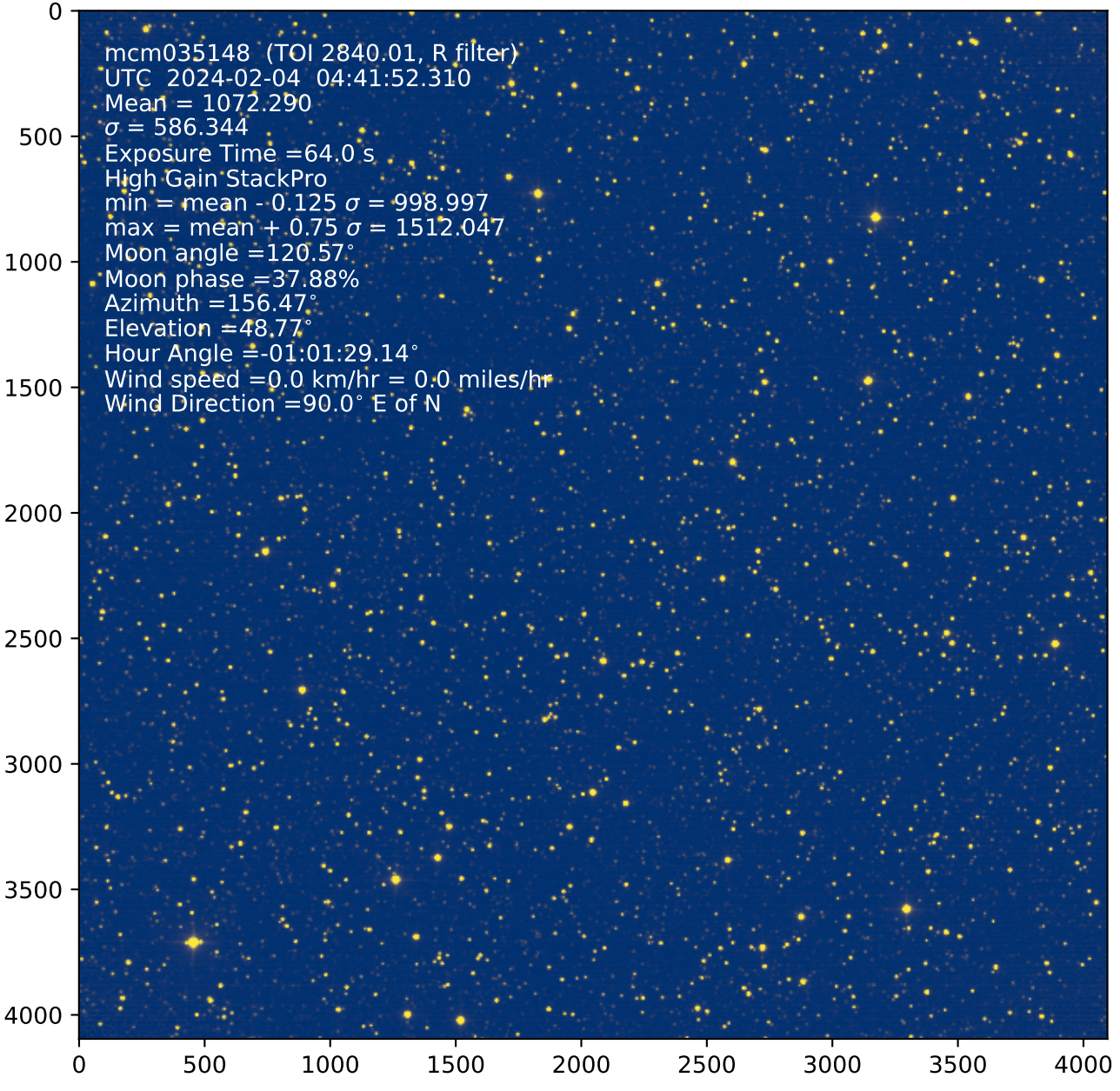

mcm03543 (TOI 2840.01, R filter)
UTC 2024-02-04 04:36:07.950
Mean = 1001.553
σ = 26.289
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.267
max = mean + 0.75 σ = 1021.27
Moon angle =120.52°
Moon phase =37.92%
Azimuth =154.65°
Elevation =48.31°
Hour Angle =-01:06:41.99°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

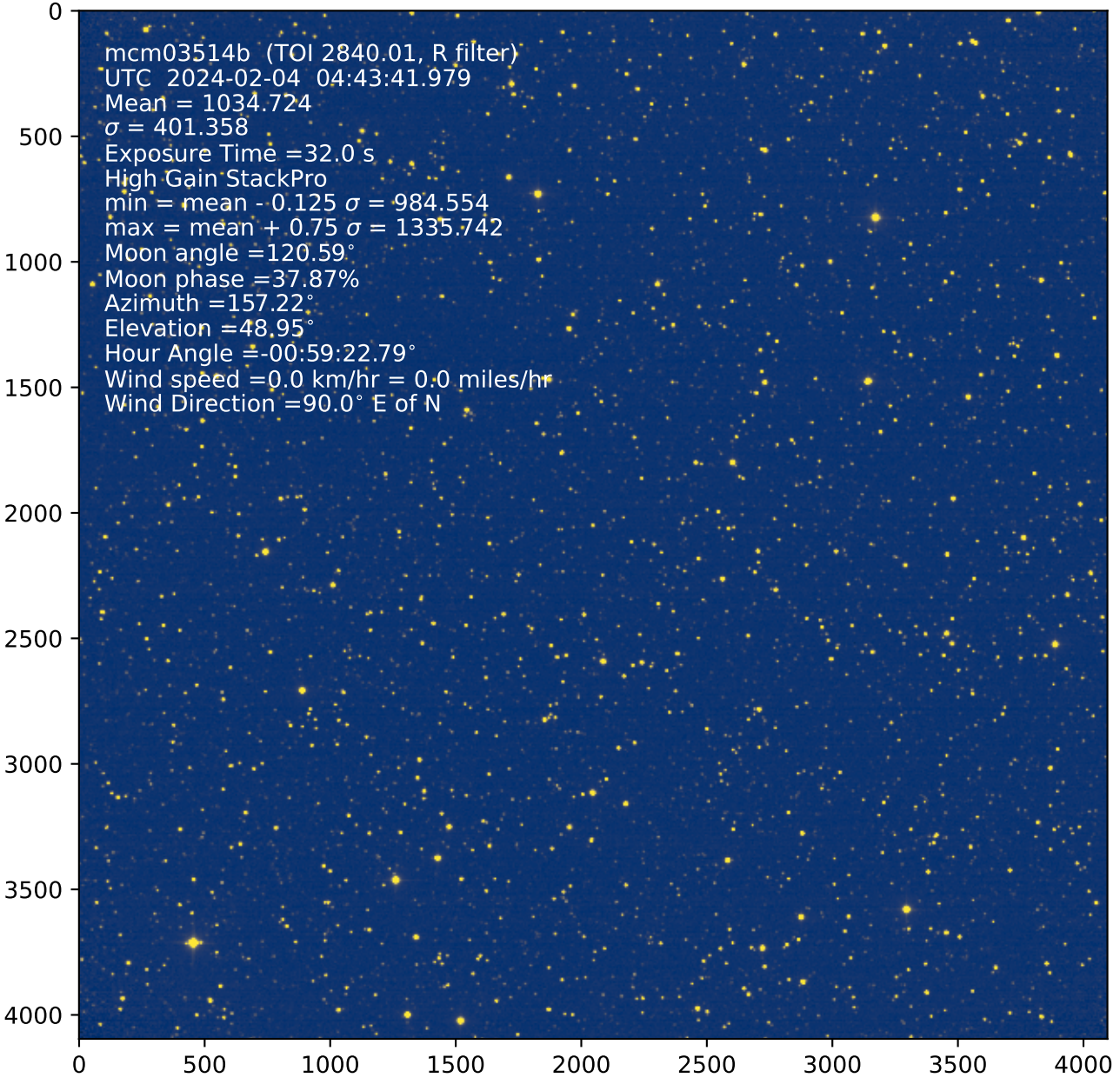

mcm035145 (TOI 2840.01, R filter)
UTC 2024-02-04 04:37:19.109
Mean = 1035.221
σ = 403.077
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 984.836
max = mean + 0.75 σ = 1337.528
Moon angle =120.53°
Moon phase =37.91%
Azimuth =154.97°
Elevation =48.39°
Hour Angle =-01:05:46.84°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

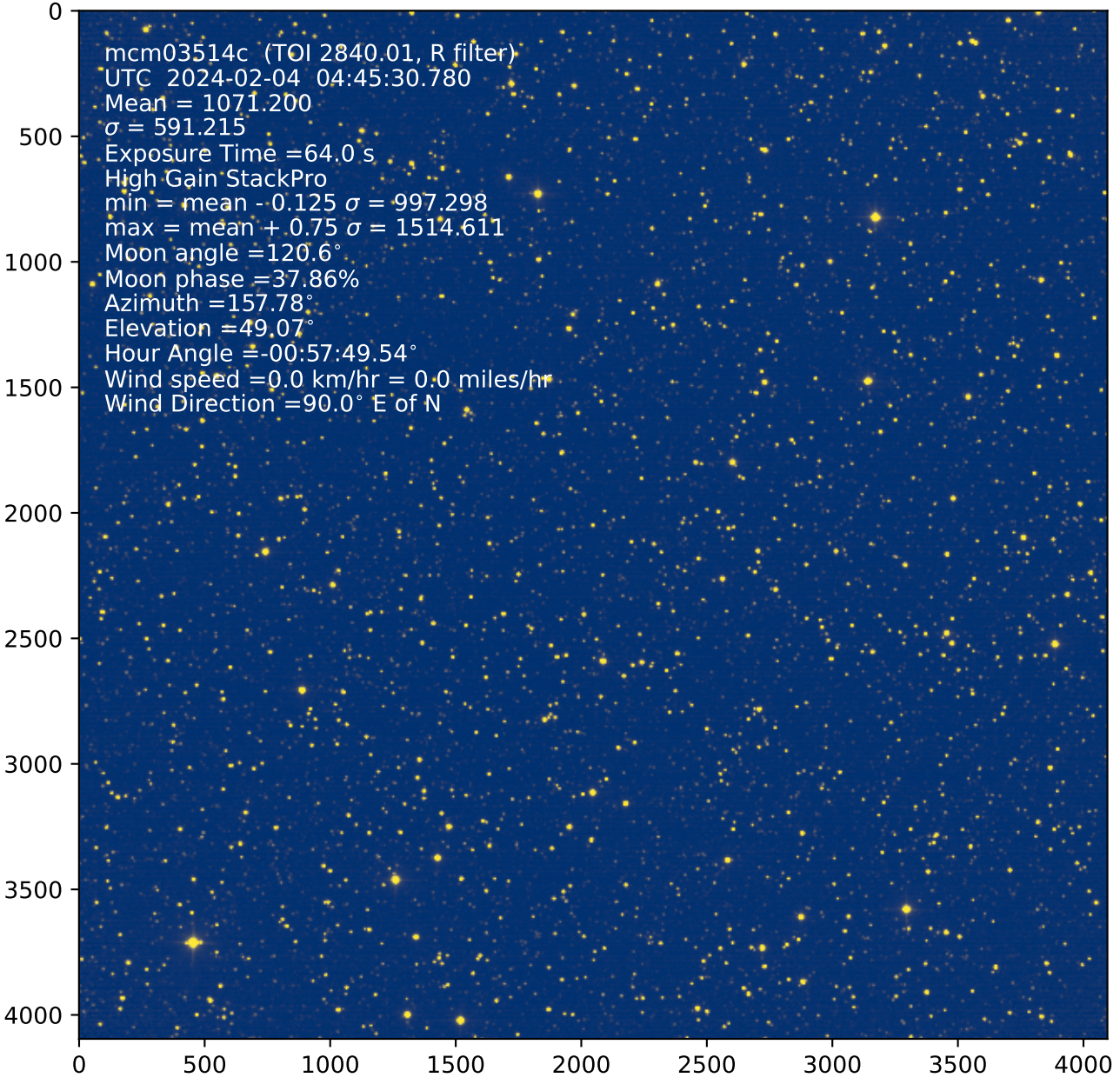

mcm03545 (TOI 2840.01, R filter)
UTC 2024-02-04 04:38:05.309
Mean = 1001.565
σ = 26.191
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.291
max = mean + 0.75 σ = 1021.208
Moon angle =120.54°
Moon phase =37.91%
Azimuth =155.33°
Elevation =48.49°
Hour Angle =-01:04:44.67°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

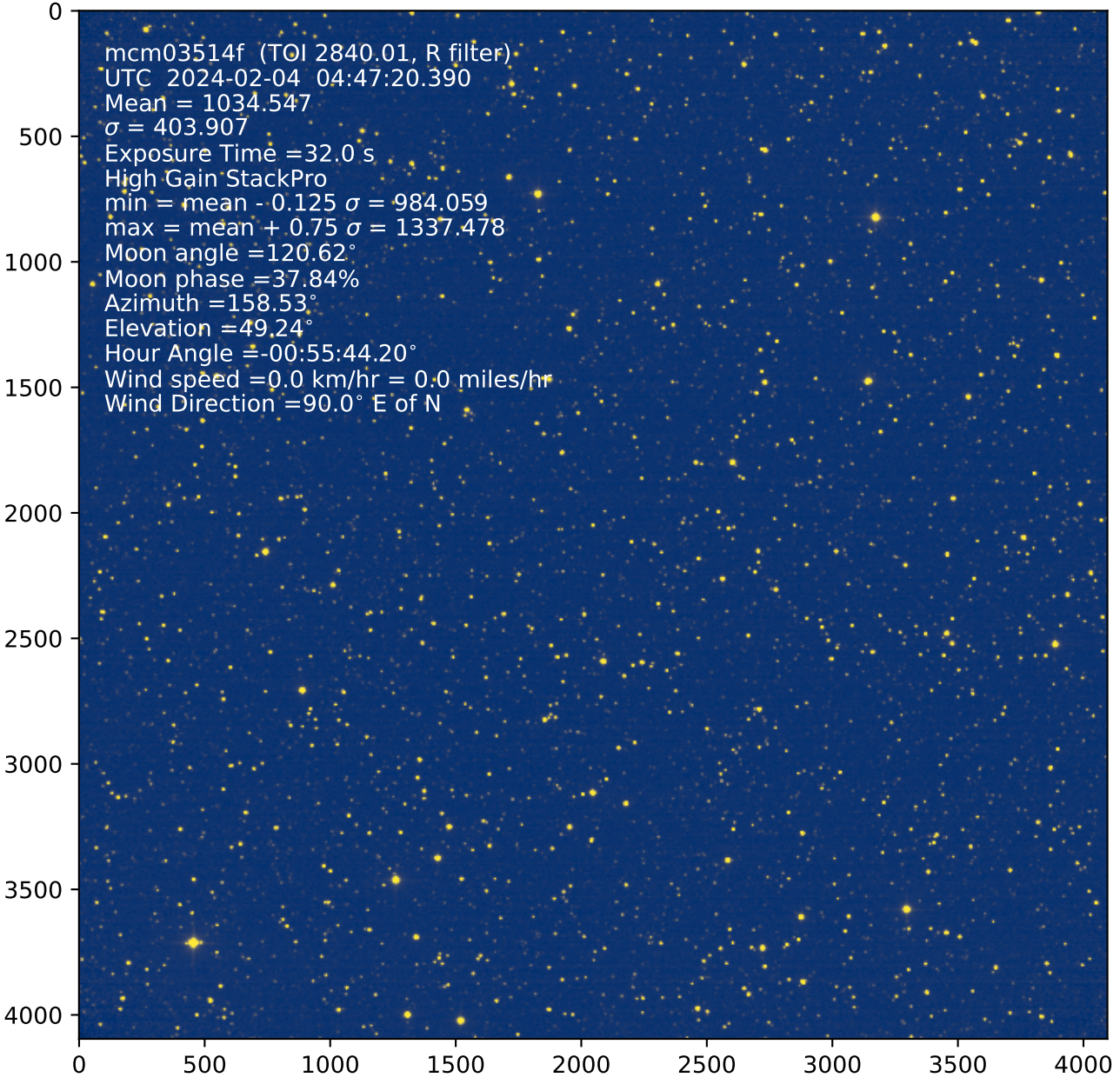

mcm035147 (TOI 2840.01, R filter)
UTC 2024-02-04 04:39:17.449
Mean = 1035.212
σ = 398.875
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 985.352
max = mean + 0.75 σ = 1334.368
Moon angle =120.55°
Moon phase =37.9%
Azimuth =155.65°
Elevation =48.57°
Hour Angle =-01:03:48.52°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

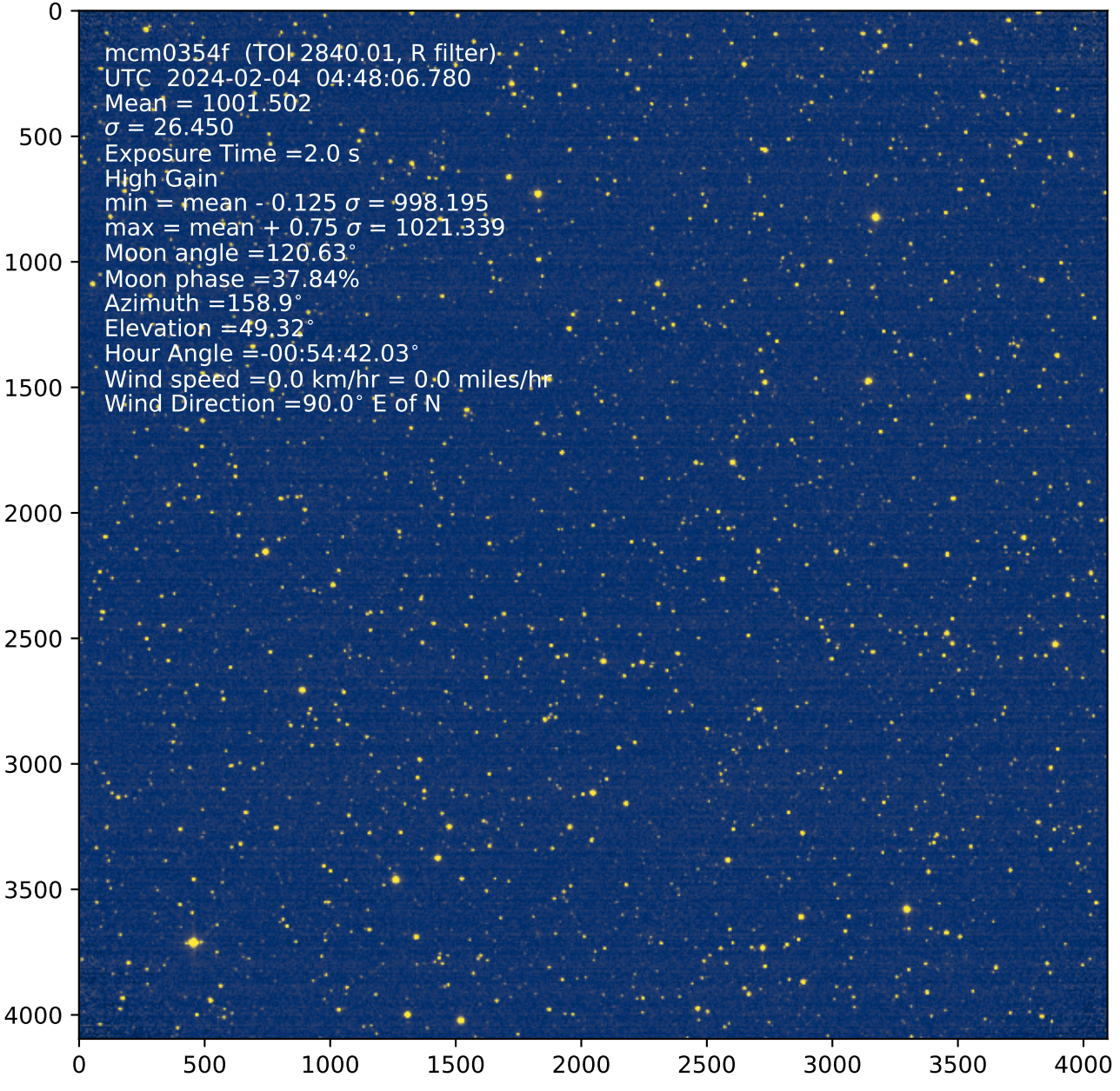

mcm03547 (TOI 2840.01, R filter)
UTC 2024-02-04 04:40:03.960
Mean = 1001.546
σ = 25.884
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.311
max = mean + 0.75 σ = 1020.959
Moon angle =120.56°
Moon phase =37.89%
Azimuth =156.02°
Elevation =48.66°
Hour Angle =-01:02:45.35°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

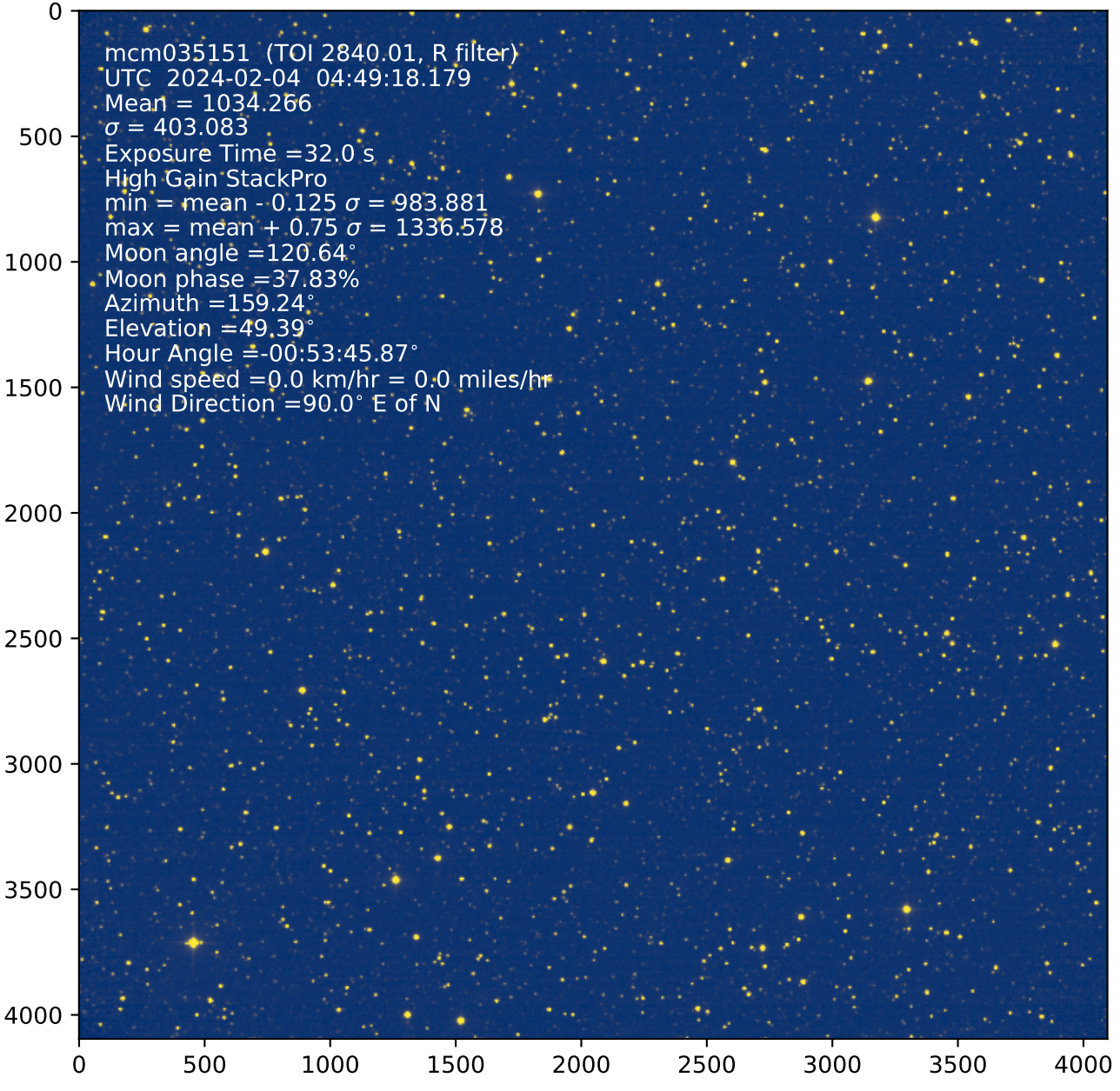

mcm035148 (TOI 2840.01, R filter)
UTC 2024-02-04 04:41:52.310
Mean = 1072.290
σ = 586.344
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 998.997
max = mean + 0.75 σ = 1512.047
Moon angle =120.57°
Moon phase =37.88%
Azimuth =156.47°
Elevation =48.77°
Hour Angle =-01:01:29.14°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

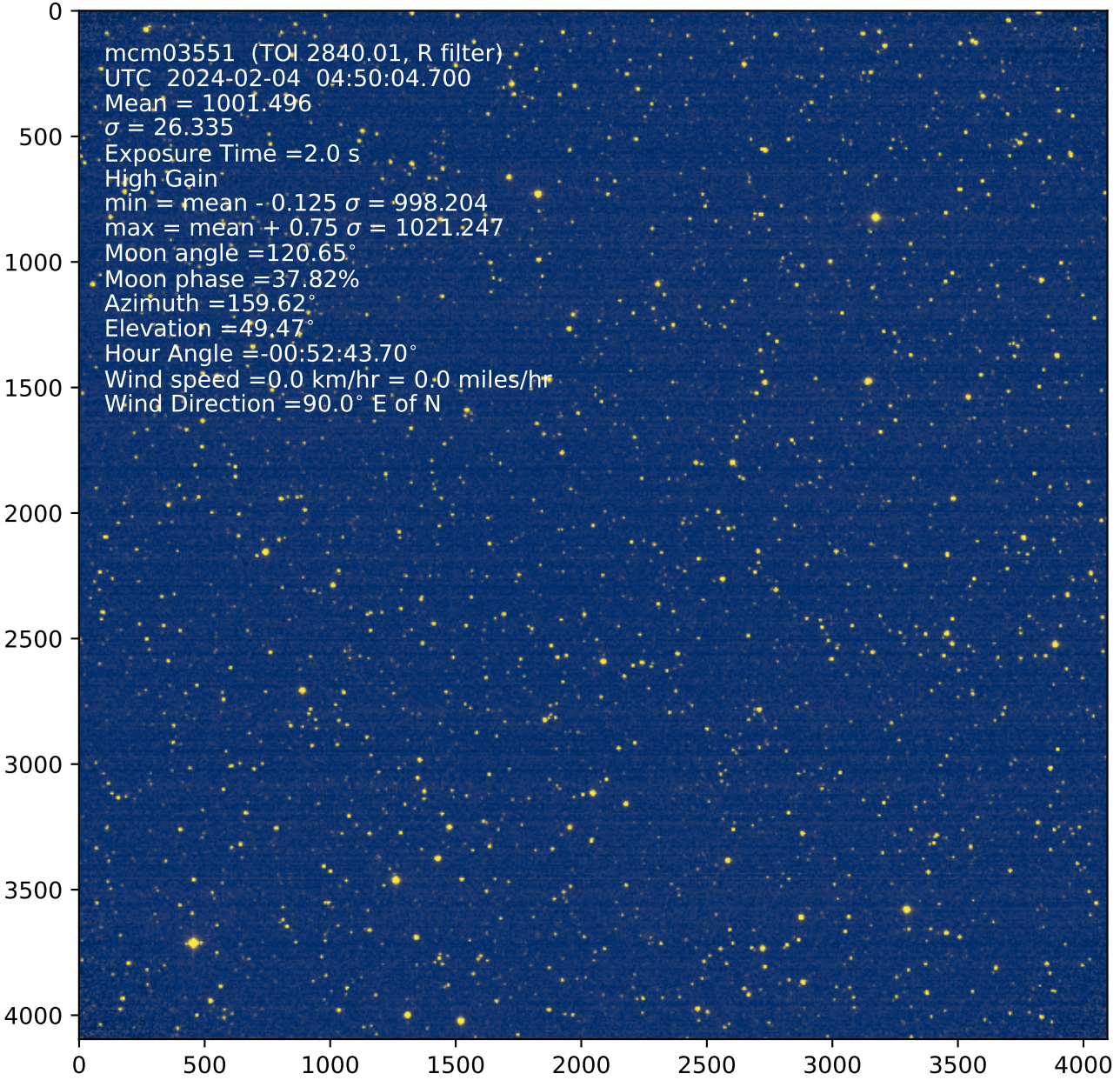

mcm03514b (TOI 2840.01, R filter)
UTC 2024-02-04 04:43:41.979
Mean = 1034.724
σ = 401.358
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 984.554
max = mean + 0.75 σ = 1335.742
Moon angle =120.59°
Moon phase =37.87%
Azimuth =157.22°
Elevation =48.95°
Hour Angle =-00:59:22.79°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

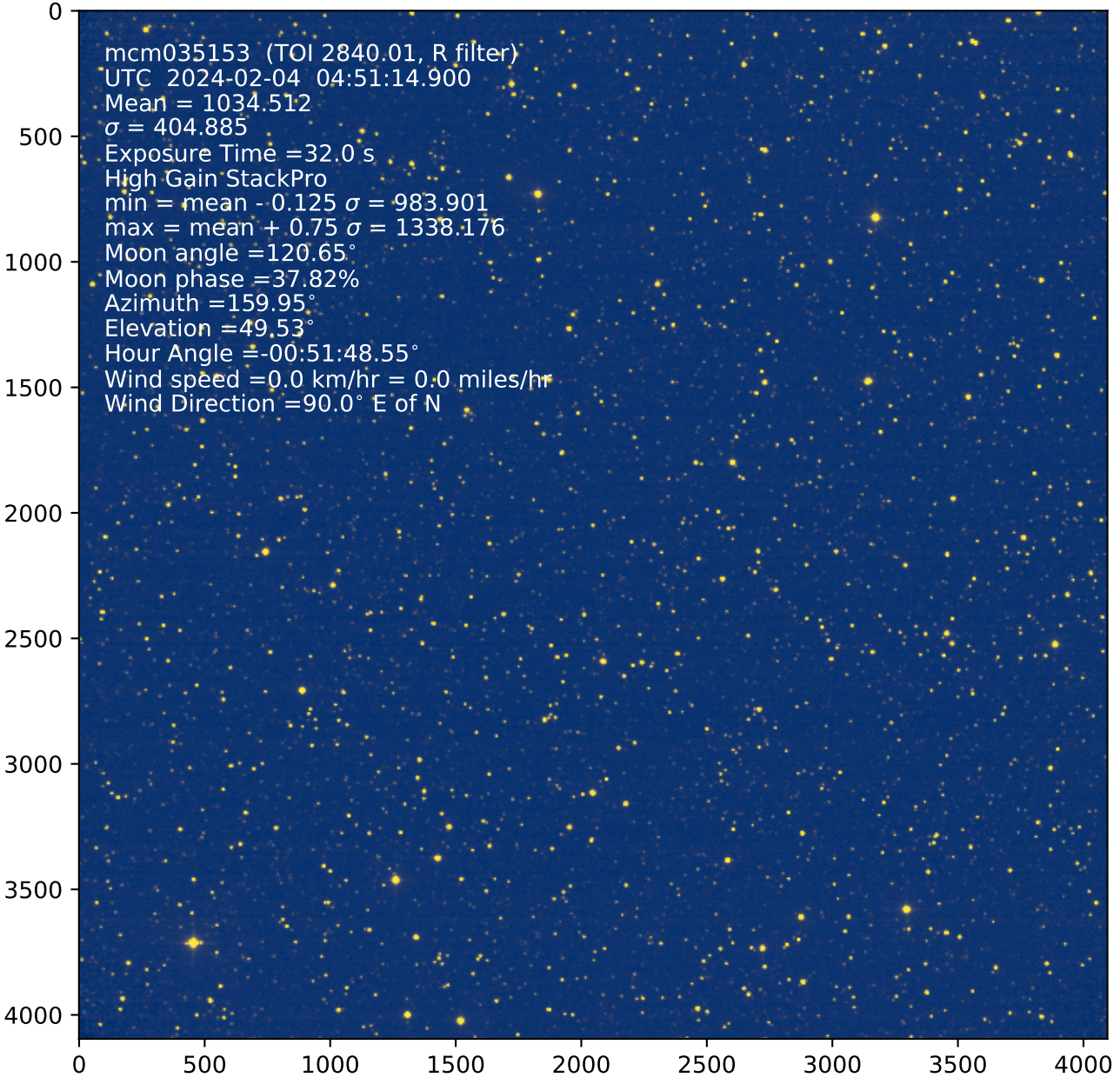

mcm03514c (TOI 2840.01, R filter)
UTC 2024-02-04 04:45:30.780
Mean = 1071.200
σ = 591.215
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.298
max = mean + 0.75 σ = 1514.611
Moon angle =120.6°
Moon phase =37.86%
Azimuth =157.78°
Elevation =49.07°
Hour Angle =-00:57:49.54°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

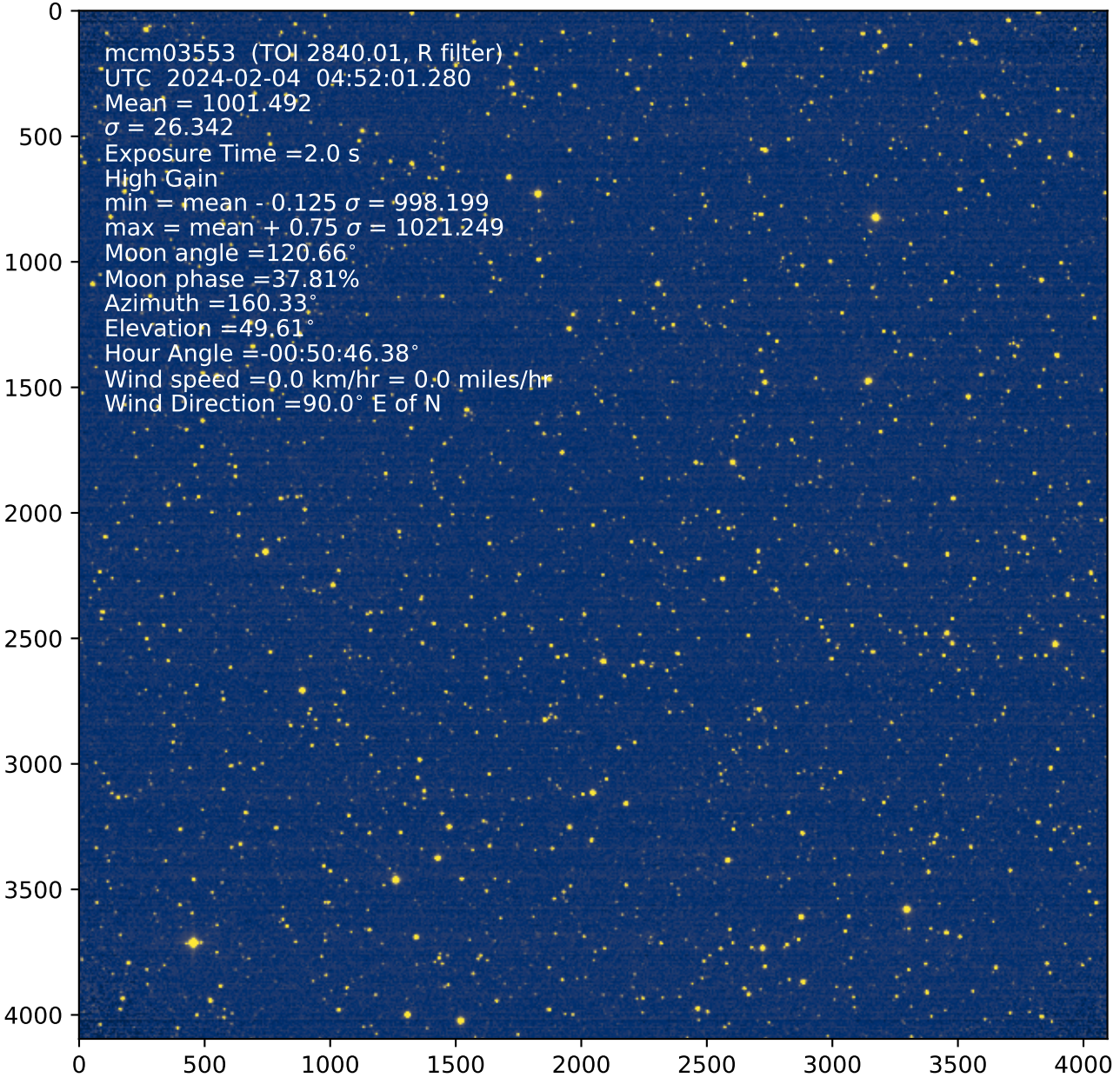

mcm03514f (TOI 2840.01, R filter)
UTC 2024-02-04 04:47:20.390
Mean = 1034.547
σ = 403.907
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 984.059
max = mean + 0.75 σ = 1337.478
Moon angle =120.62°
Moon phase =37.84%
Azimuth =158.53°
Elevation =49.24°
Hour Angle =-00:55:44.20°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

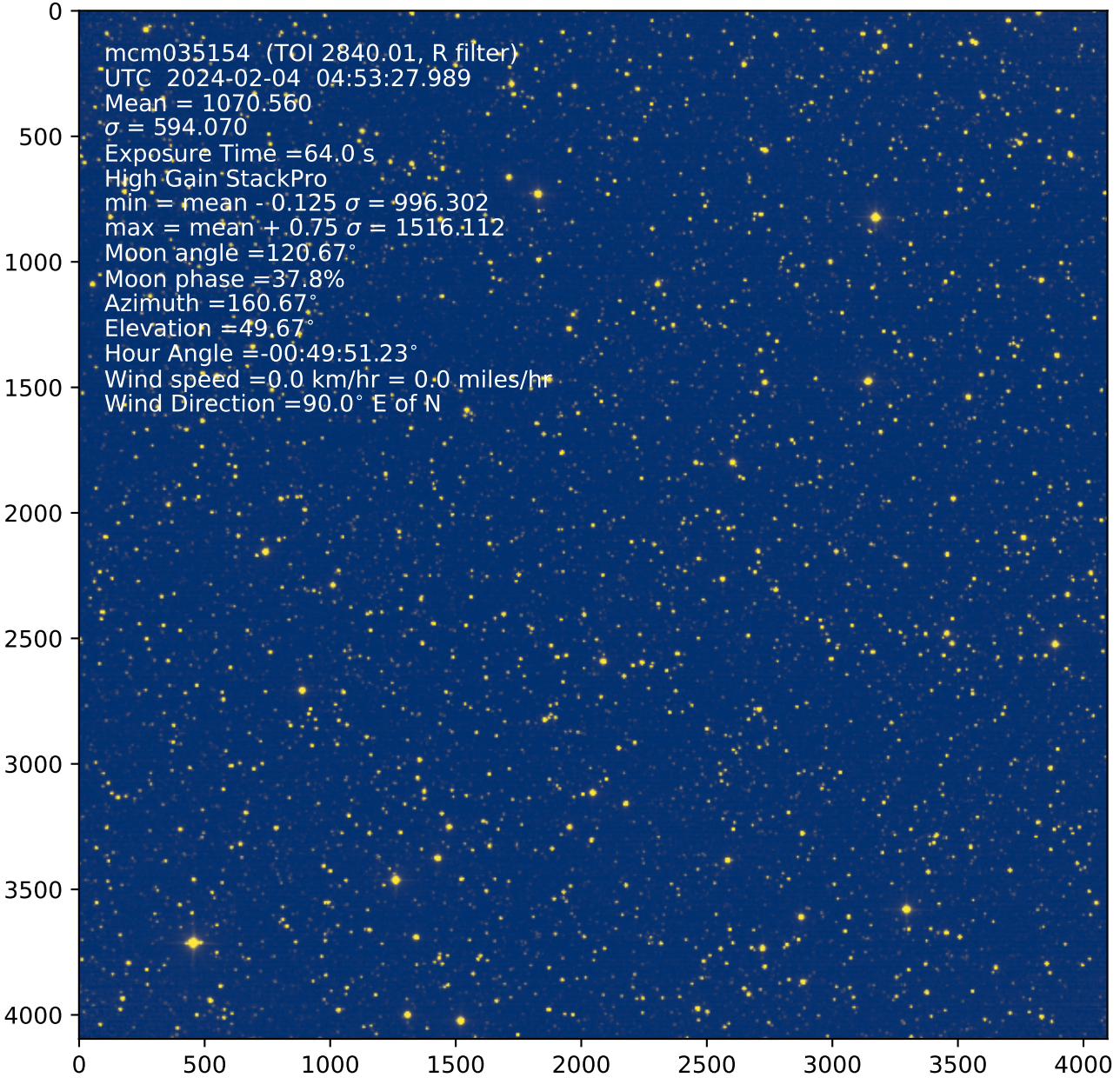

mcm0354f (TOI 2840.01, R filter)
UTC 2024-02-04 04:48:06.780
Mean = 1001.502
σ = 26.450
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.195
max = mean + 0.75 σ = 1021.339
Moon angle =120.63°
Moon phase =37.84%
Azimuth =158.9°
Elevation =49.32°
Hour Angle =-00:54:42.03°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

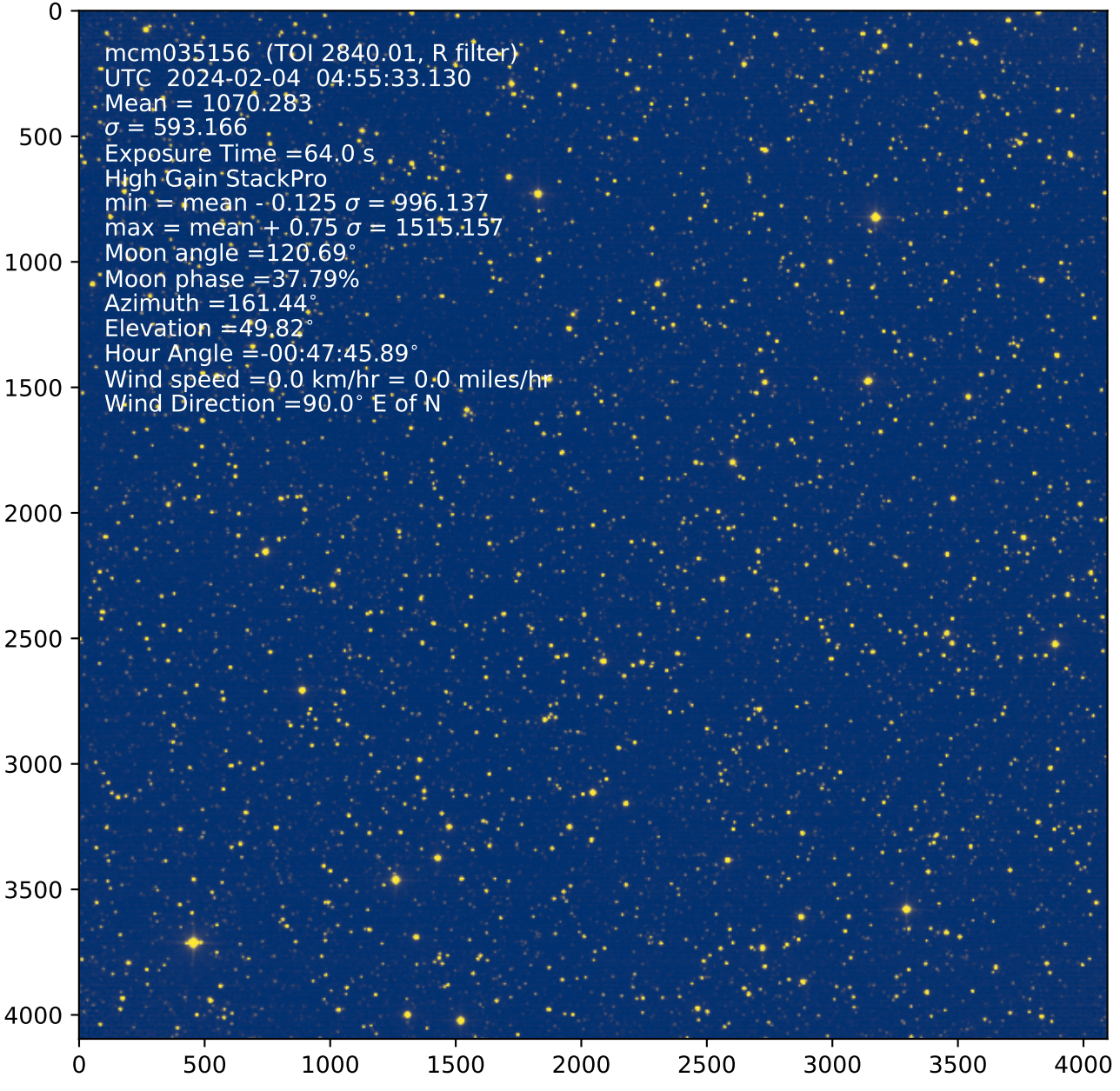

mcm035151 (TOI 2840.01, R filter)
UTC 2024-02-04 04:49:18.179
Mean = 1034.266
σ = 403.083
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.881
max = mean + 0.75 σ = 1336.578
Moon angle =120.64°
Moon phase =37.83%
Azimuth =159.24°
Elevation =49.39°
Hour Angle =-00:53:45.87°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

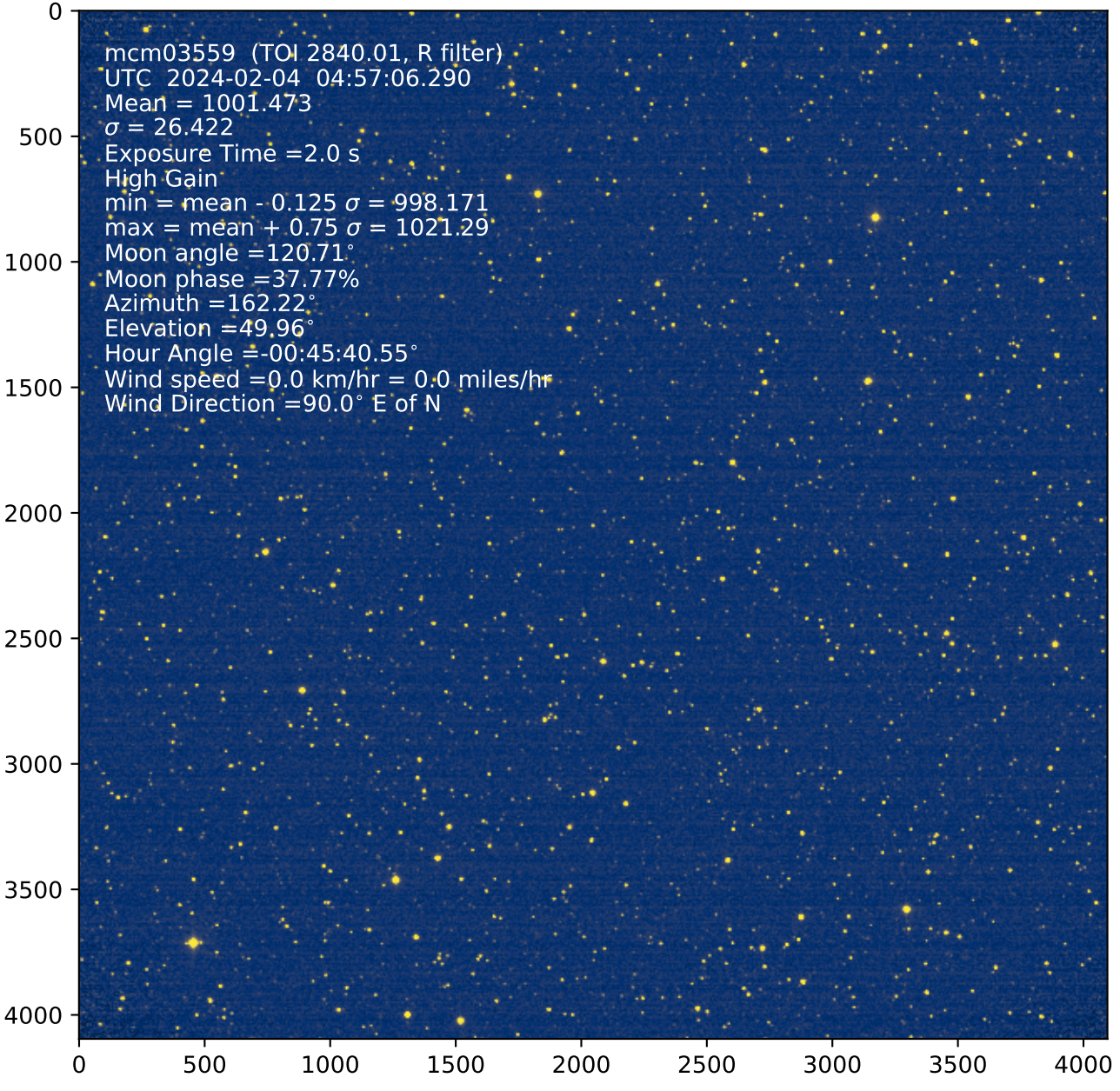

mcm03551 (TOI 2840.01, R filter)
UTC 2024-02-04 04:50:04.700
Mean = 1001.496
σ = 26.335
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.204
max = mean + 0.75 σ = 1021.247
Moon angle =120.65°
Moon phase =37.82%
Azimuth =159.62°
Elevation =49.47°
Hour Angle =-00:52:43.70°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

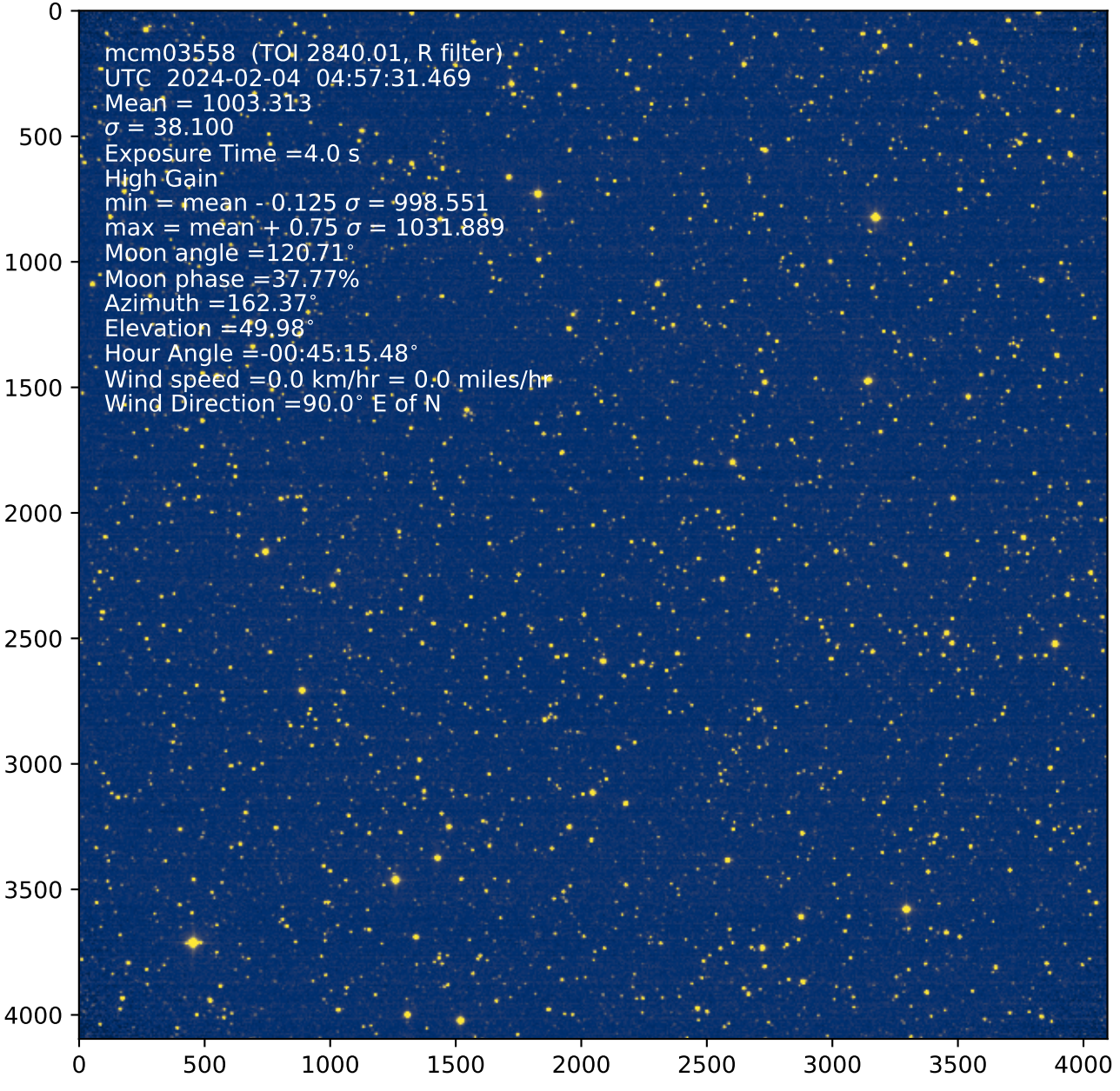

mcm035153 (TOI 2840.01, R filter)
UTC 2024-02-04 04:51:14.900
Mean = 1034.512
σ = 404.885
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.901
max = mean + 0.75 σ = 1338.176
Moon angle =120.65°
Moon phase =37.82%
Azimuth =159.95°
Elevation =49.53°
Hour Angle =-00:51:48.55°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

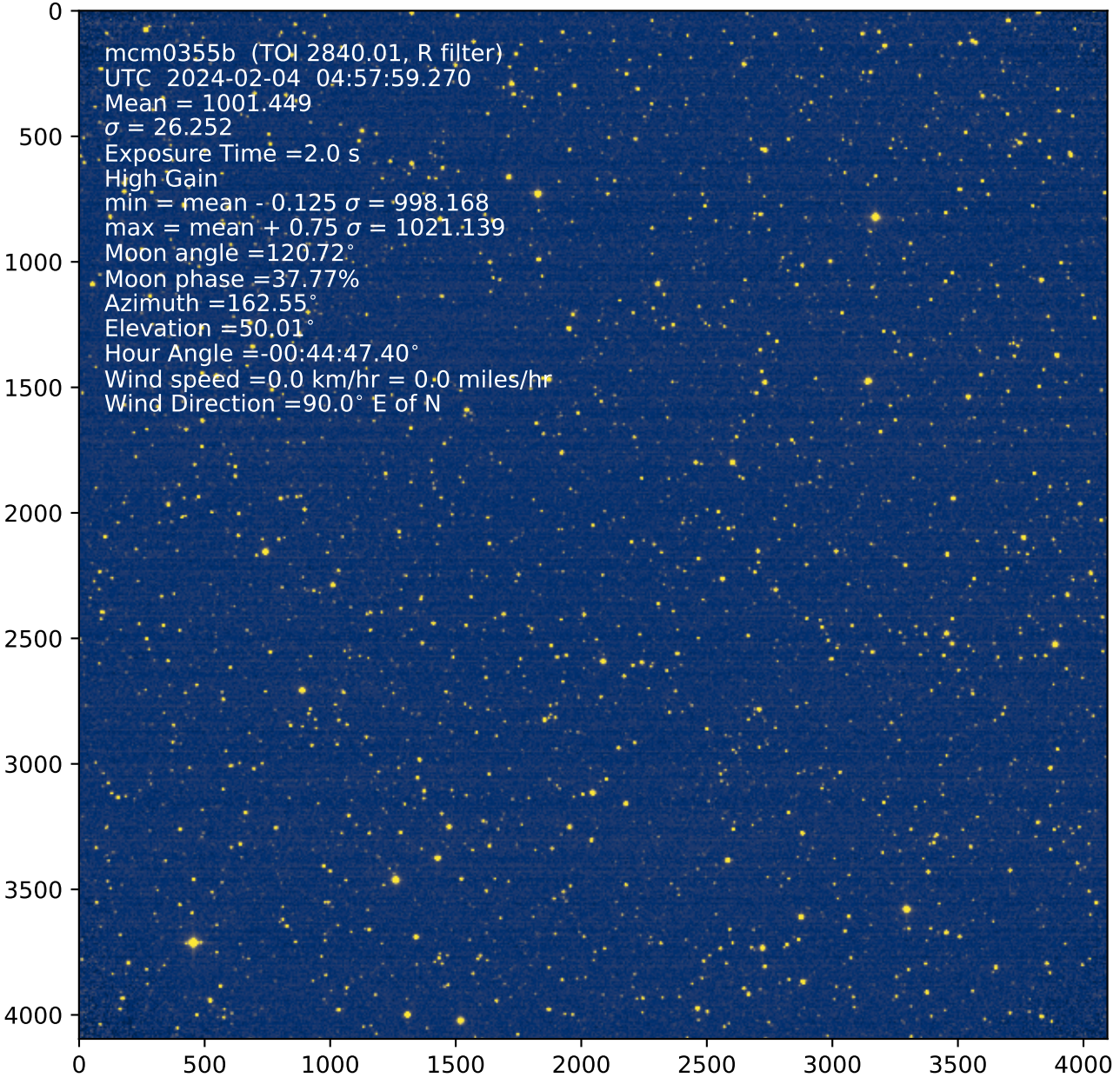

mcm03553 (TOI 2840.01, R filter)
UTC 2024-02-04 04:52:01.280
Mean = 1001.492
σ = 26.342
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.199
max = mean + 0.75 σ = 1021.249
Moon angle =120.66°
Moon phase =37.81%
Azimuth =160.33°
Elevation =49.61°
Hour Angle =-00:50:46.38°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

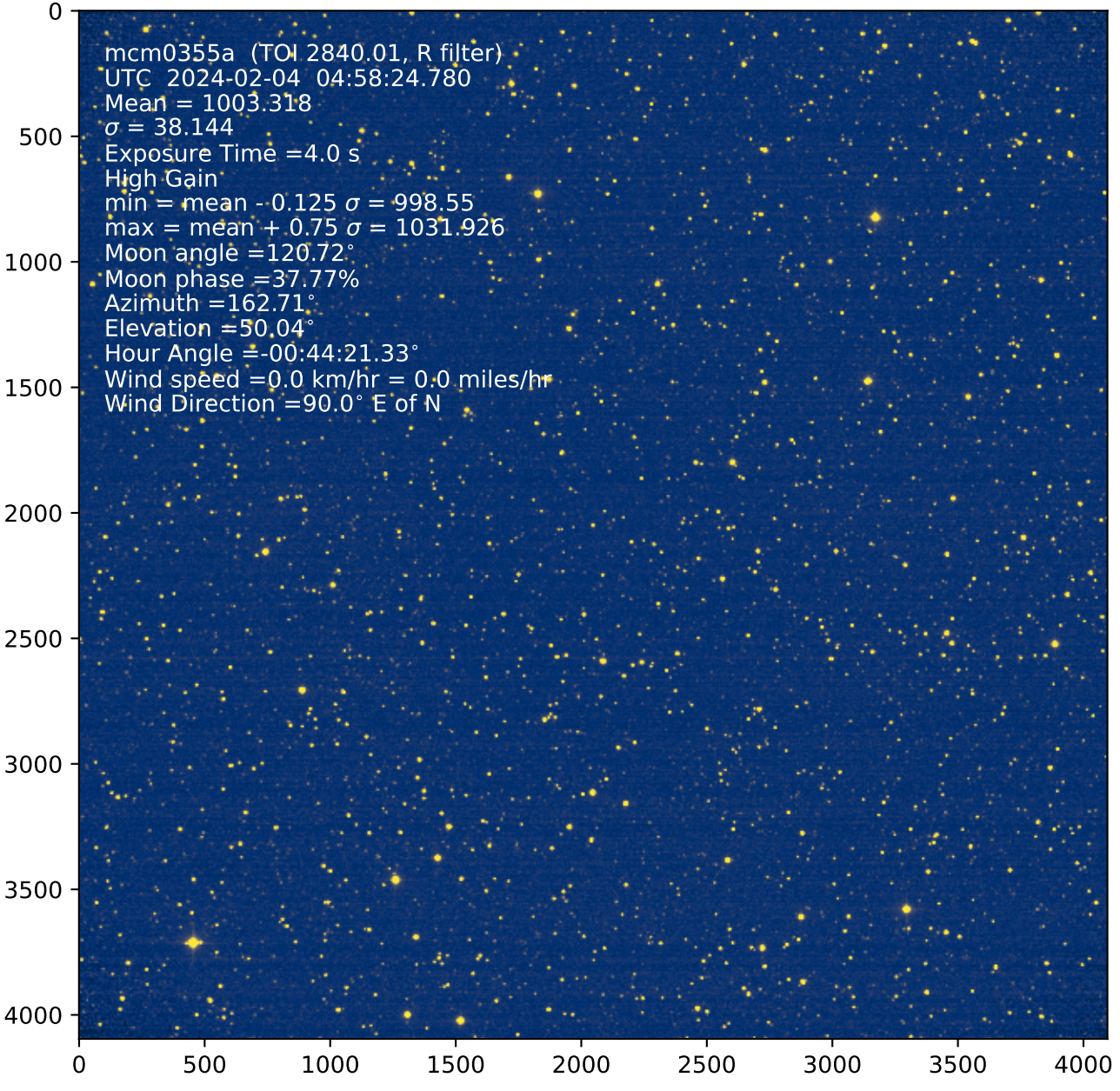

mcm035154 (TOI 2840.01, R filter)
UTC 2024-02-04 04:53:27.989
Mean = 1070.560
σ = 594.070
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.302
max = mean + 0.75 σ = 1516.112
Moon angle =120.67°
Moon phase =37.8%
Azimuth =160.67°
Elevation =49.67°
Hour Angle =-00:49:51.23°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

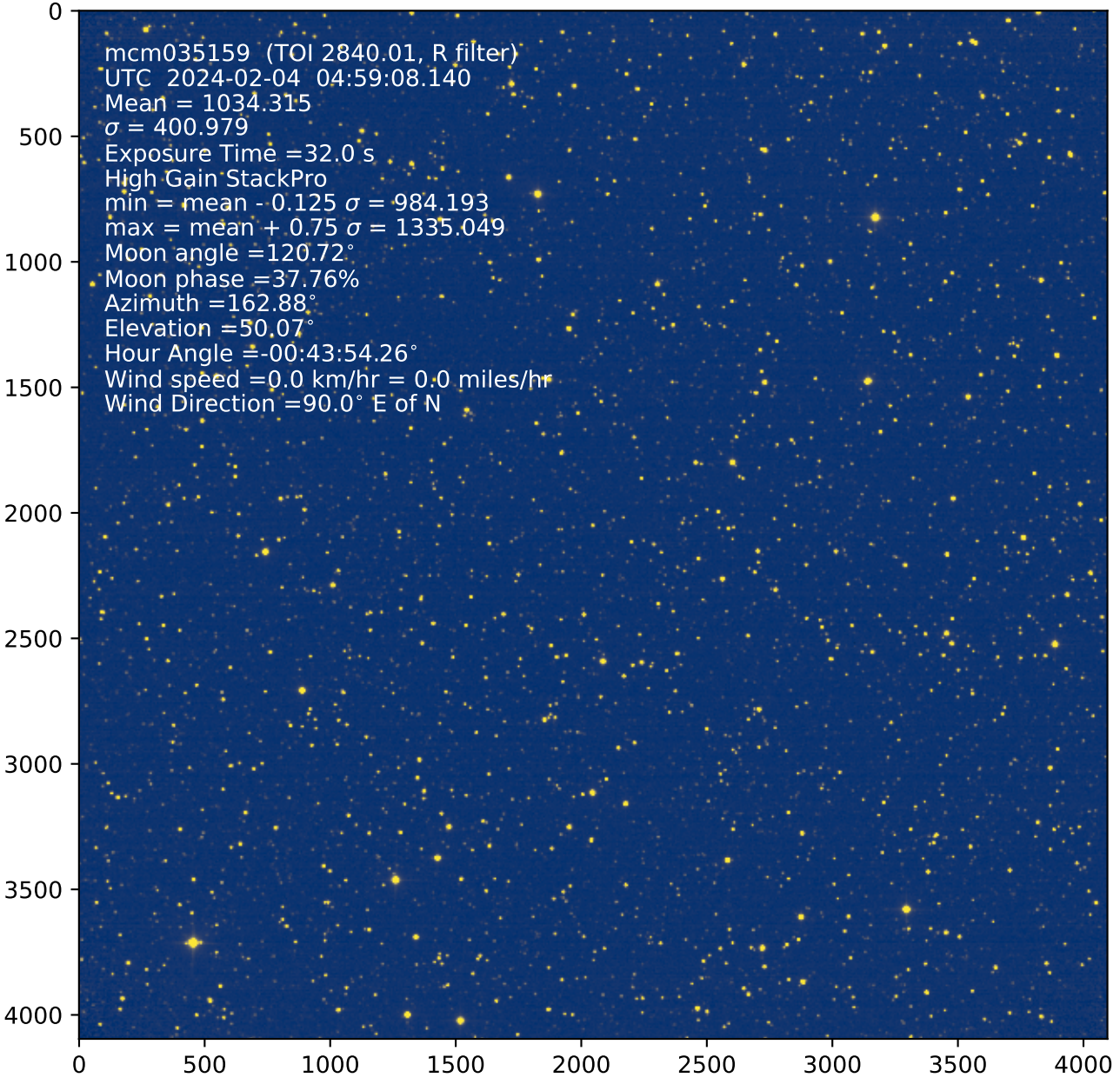

mcm035156 (TOI 2840.01, R filter)
UTC 2024-02-04 04:55:33.130
Mean = 1070.283
σ = 593.166
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.137
max = mean + 0.75 σ = 1515.157
Moon angle =120.69°
Moon phase =37.79%
Azimuth =161.44°
Elevation =49.82°
Hour Angle =-00:47:45.89°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

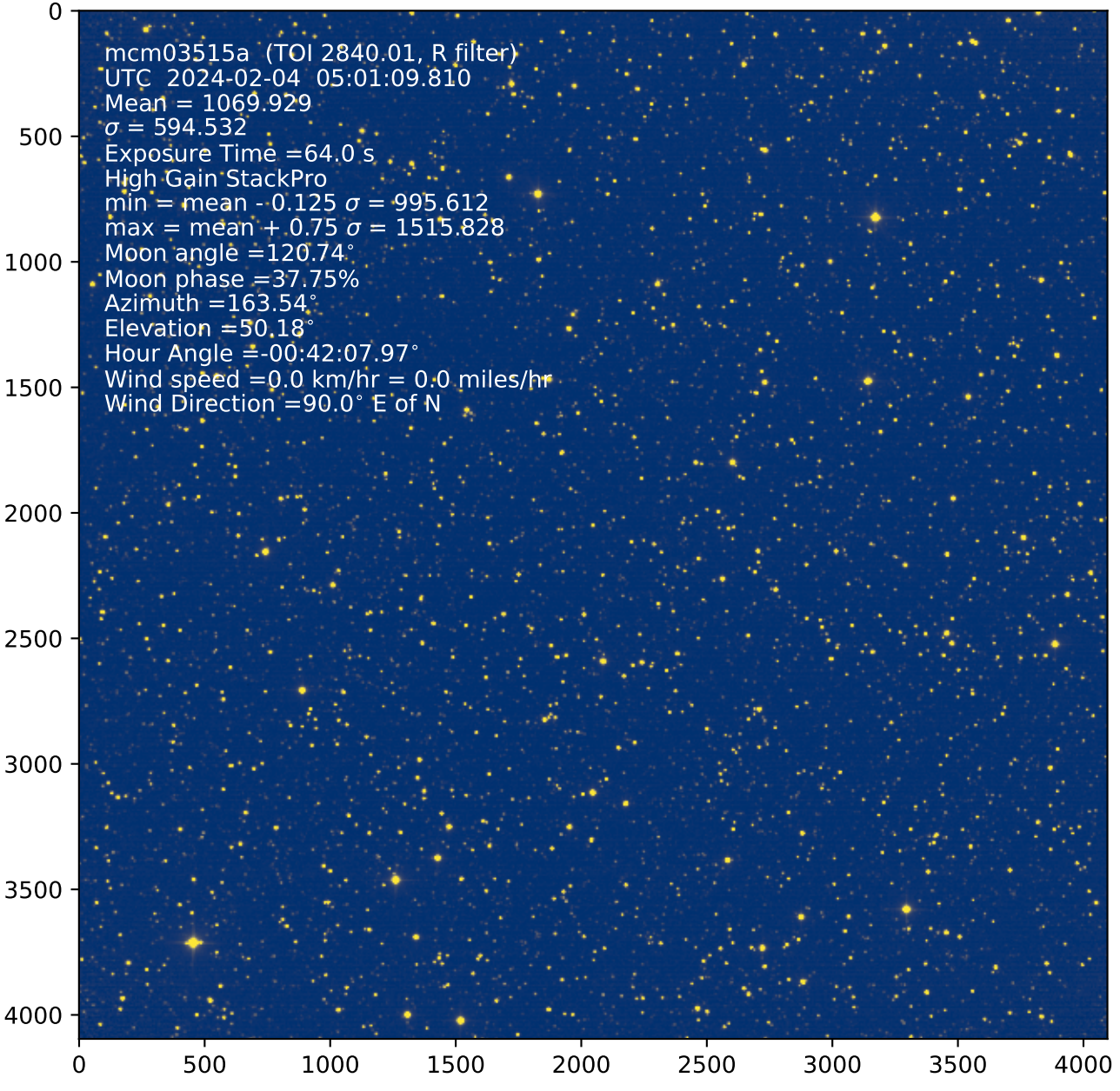

mcm03559 (TOI 2840.01, R filter)
UTC 2024-02-04 04:57:06.290
Mean = 1001.473
σ = 26.422
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.171
max = mean + 0.75 σ = 1021.29
Moon angle =120.71°
Moon phase =37.77%
Azimuth =162.22°
Elevation =49.96°
Hour Angle =-00:45:40.55°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

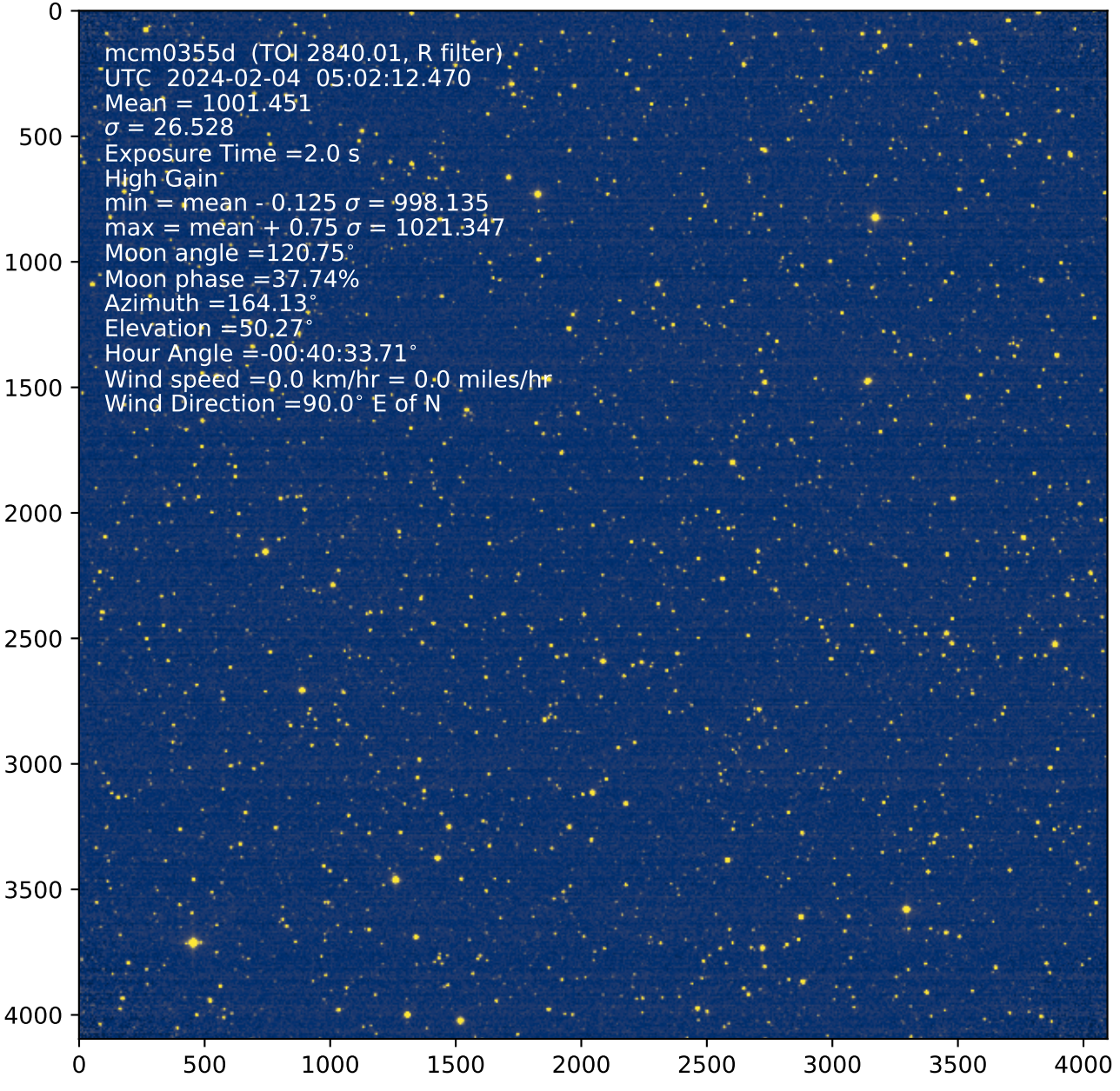

mcm03558 (TOI 2840.01, R filter)
UTC 2024-02-04 04:57:31.469
Mean = 1003.313
σ = 38.100
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.551
max = mean + 0.75 σ = 1031.889
Moon angle =120.71°
Moon phase =37.77%
Azimuth =162.37°
Elevation =49.98°
Hour Angle =-00:45:15.48°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

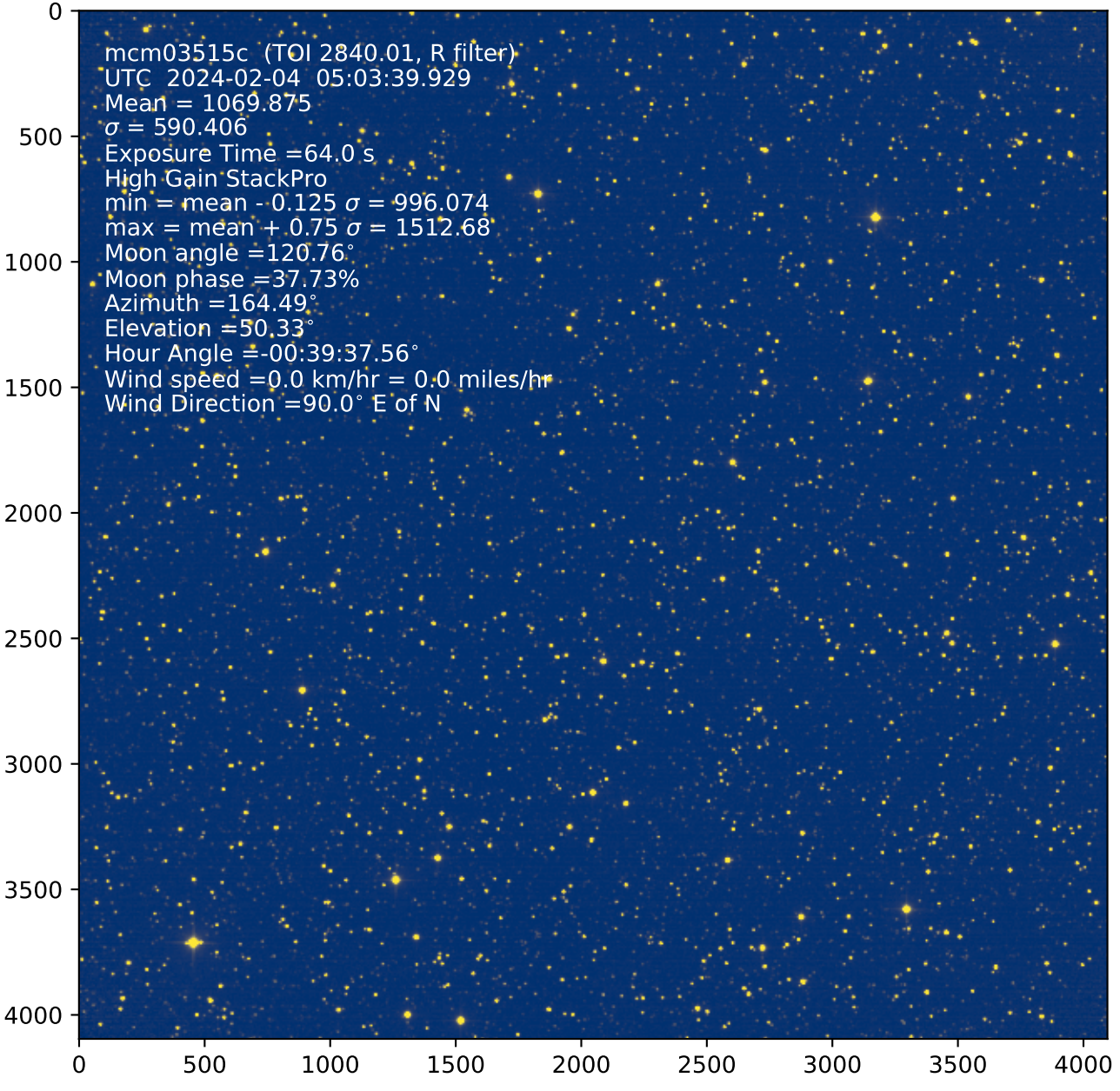

mcm0355b (TOI 2840.01, R filter)
UTC 2024-02-04 04:57:59.270
Mean = 1001.449
σ = 26.252
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.168
max = mean + 0.75 σ = 1021.139
Moon angle =120.72°
Moon phase =37.77%
Azimuth =162.55°
Elevation =50.01°
Hour Angle =-00:44:47.40°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

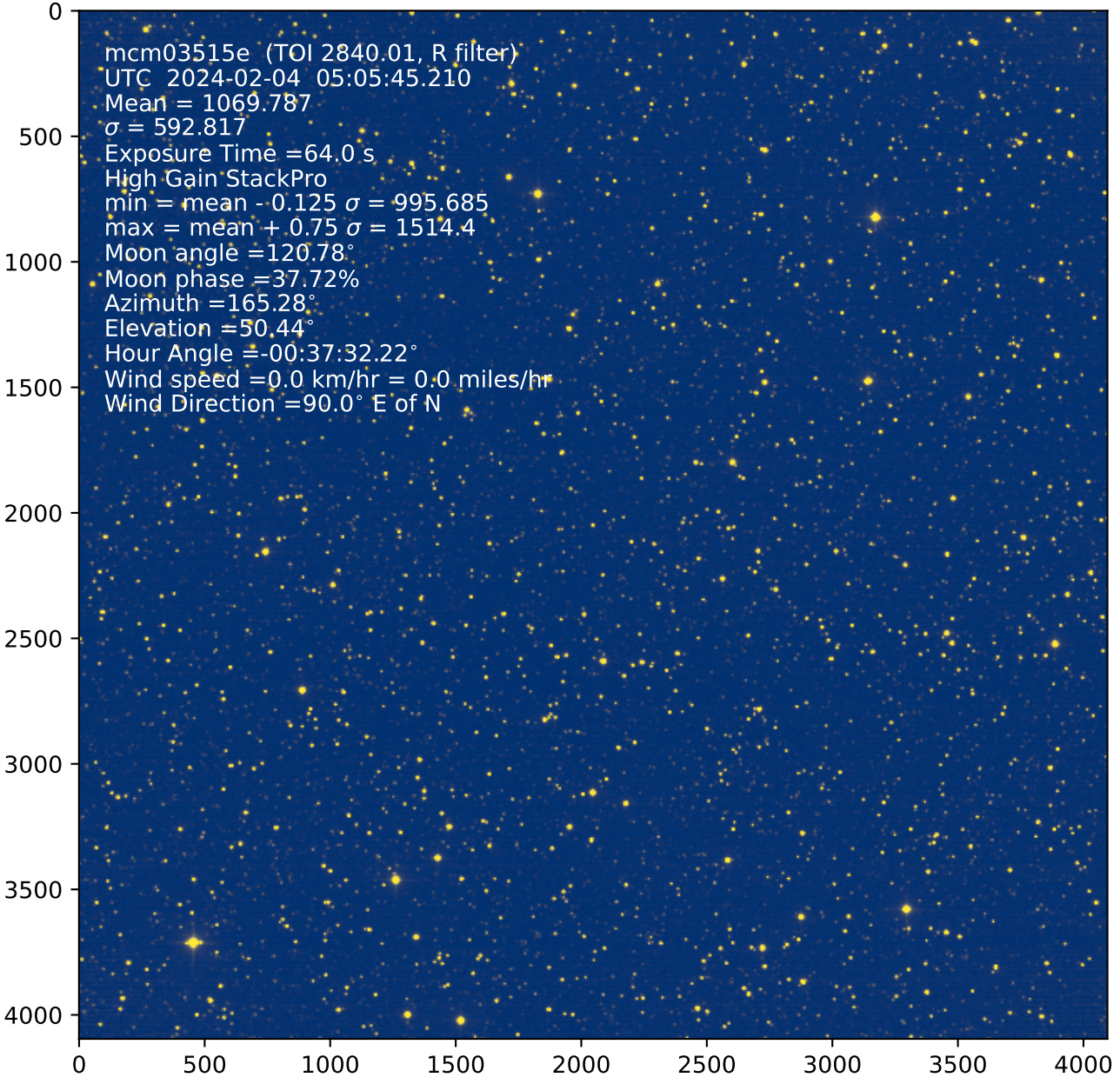

mcm0355a (TOI 2840.01, R filter)
UTC 2024-02-04 04:58:24.780
Mean = 1003.318
σ = 38.144
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.55
max = mean + 0.75 σ = 1031.926
Moon angle =120.72°
Moon phase =37.77%
Azimuth =162.71°
Elevation =50.04°
Hour Angle =-00:44:21.33°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

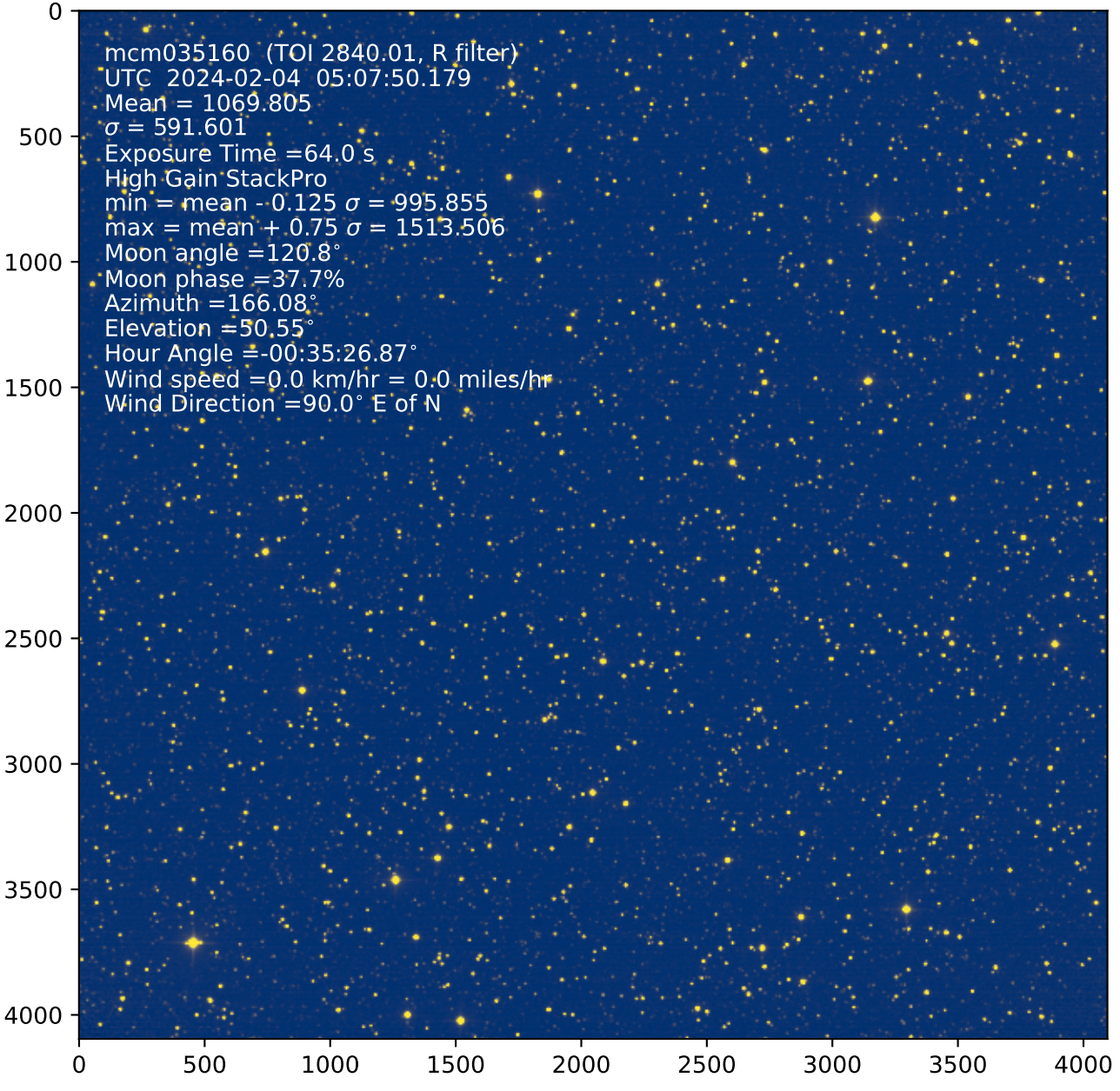

mcm035159 (TOI 2840.01, R filter)
UTC 2024-02-04 04:59:08.140
Mean = 1034.315
σ = 400.979
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 984.193
max = mean + 0.75 σ = 1335.049
Moon angle =120.72°
Moon phase =37.76%
Azimuth =162.88°
Elevation =50.07°
Hour Angle =-00:43:54.26°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

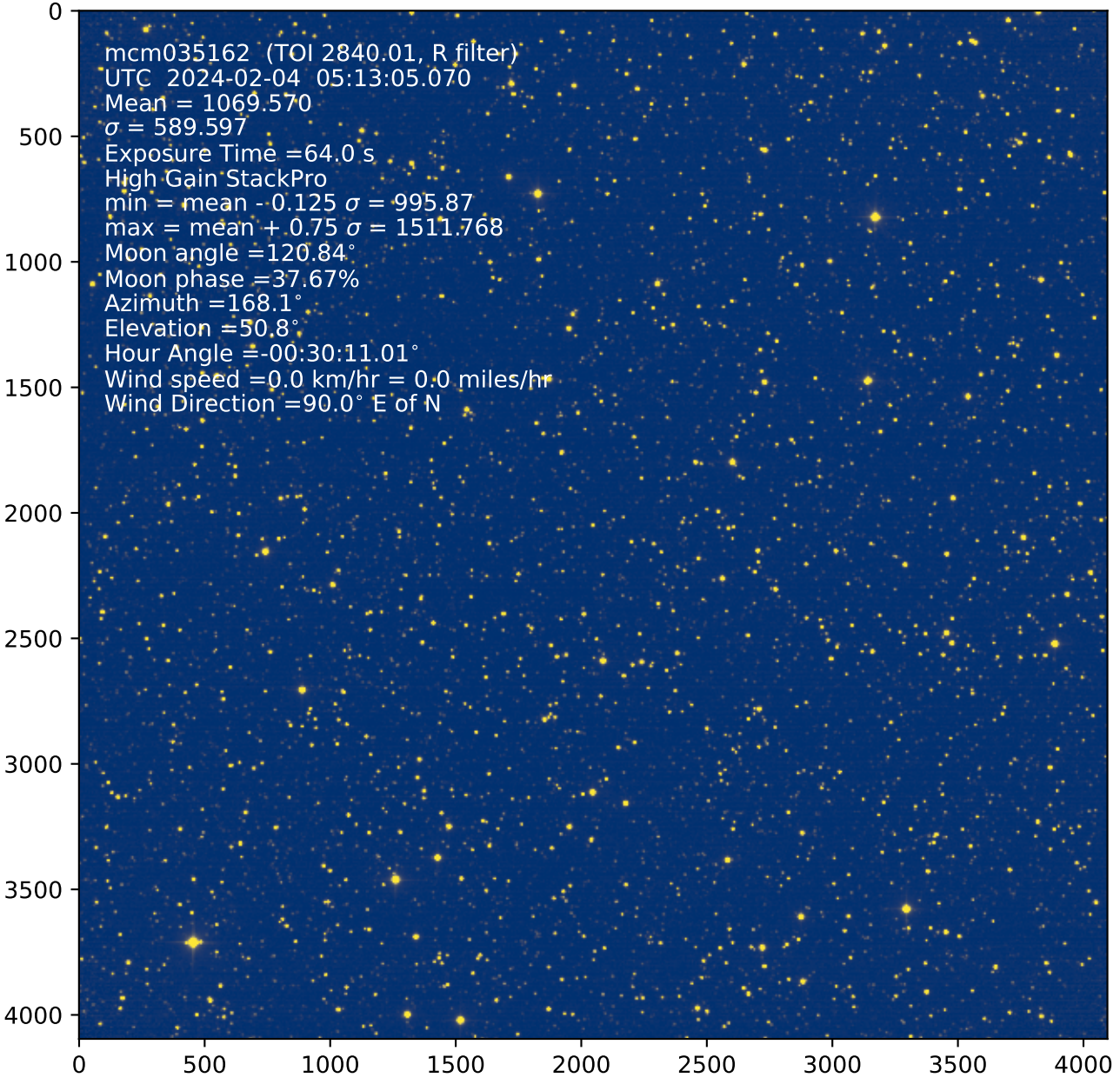

mcm03515a (TOI 2840.01, R filter)
UTC 2024-02-04 05:01:09.810
Mean = 1069.929
σ = 594.532
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.612
max = mean + 0.75 σ = 1515.828
Moon angle =120.74°
Moon phase =37.75%
Azimuth =163.54°
Elevation =50.18°
Hour Angle =-00:42:07.97°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

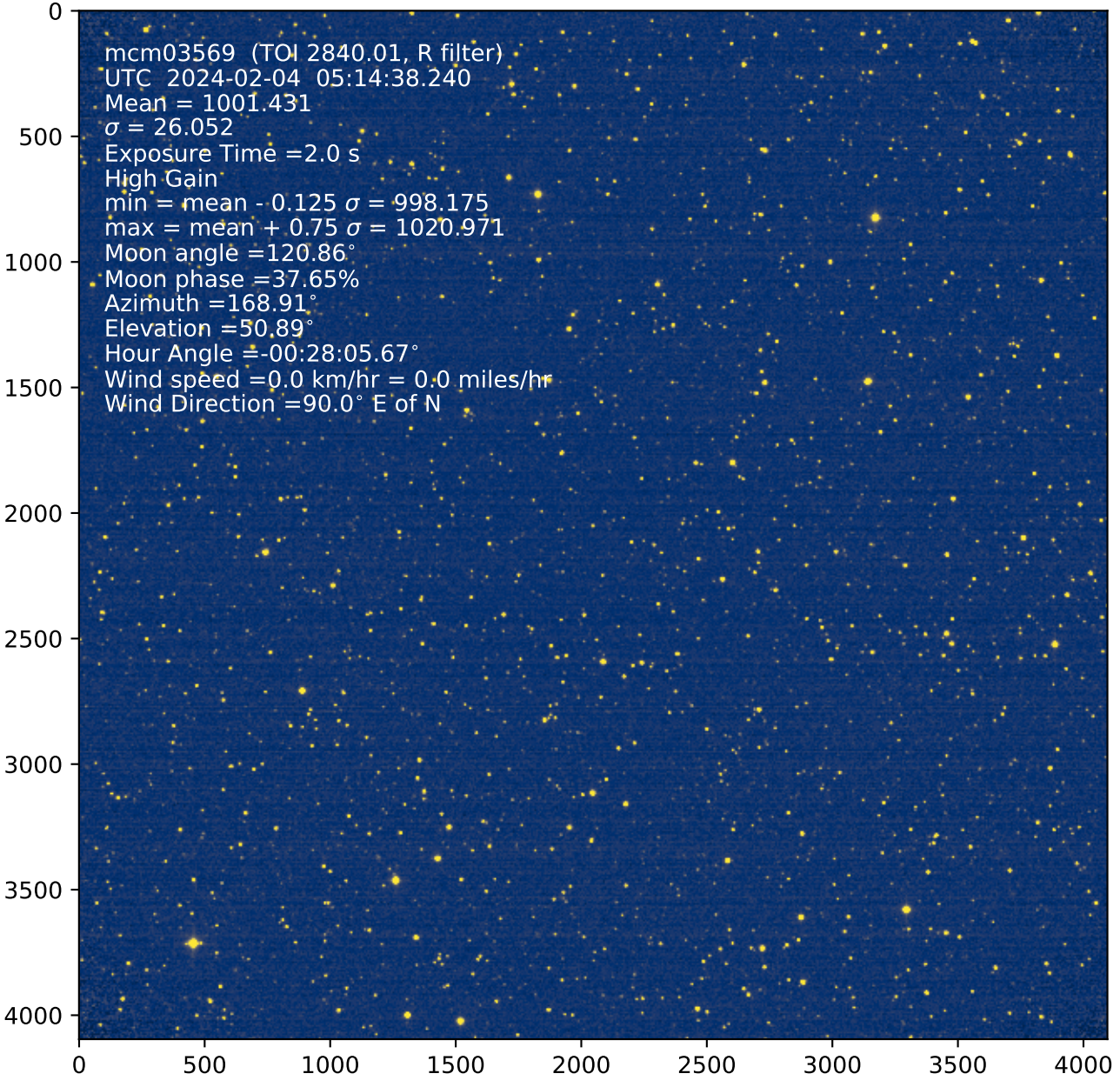

mcm0355d (TOI 2840.01, R filter)
UTC 2024-02-04 05:02:12.470
Mean = 1001.451
σ = 26.528
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.135
max = mean + 0.75 σ = 1021.347
Moon angle =120.75°
Moon phase =37.74%
Azimuth =164.13°
Elevation =50.27°
Hour Angle =-00:40:33.71°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

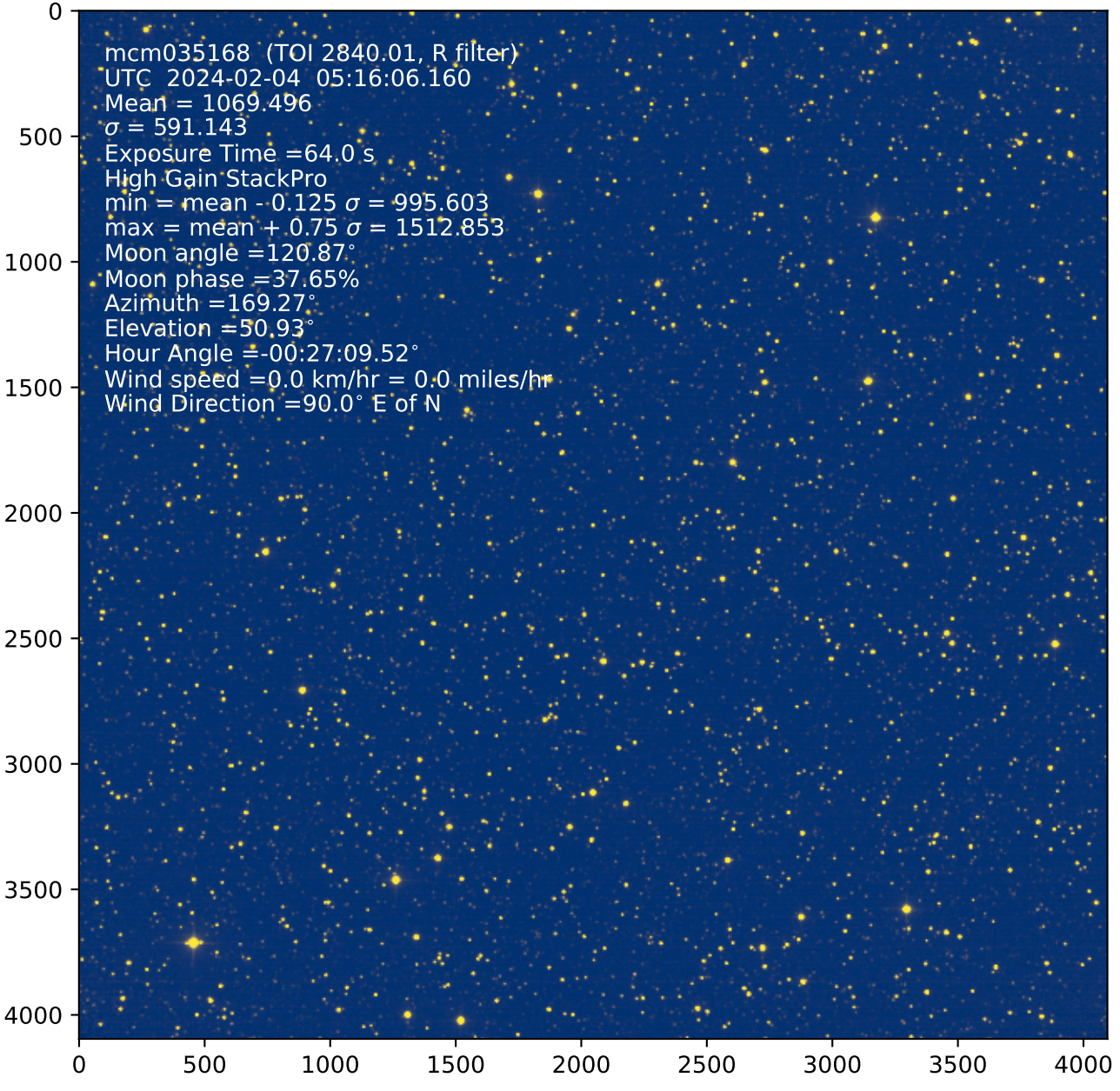

mcm03515c (TOI 2840.01, R filter)
UTC 2024-02-04 05:03:39.929
Mean = 1069.875
σ = 590.406
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.074
max = mean + 0.75 σ = 1512.68
Moon angle =120.76°
Moon phase =37.73%
Azimuth =164.49°
Elevation =50.33°
Hour Angle =-00:39:37.56°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

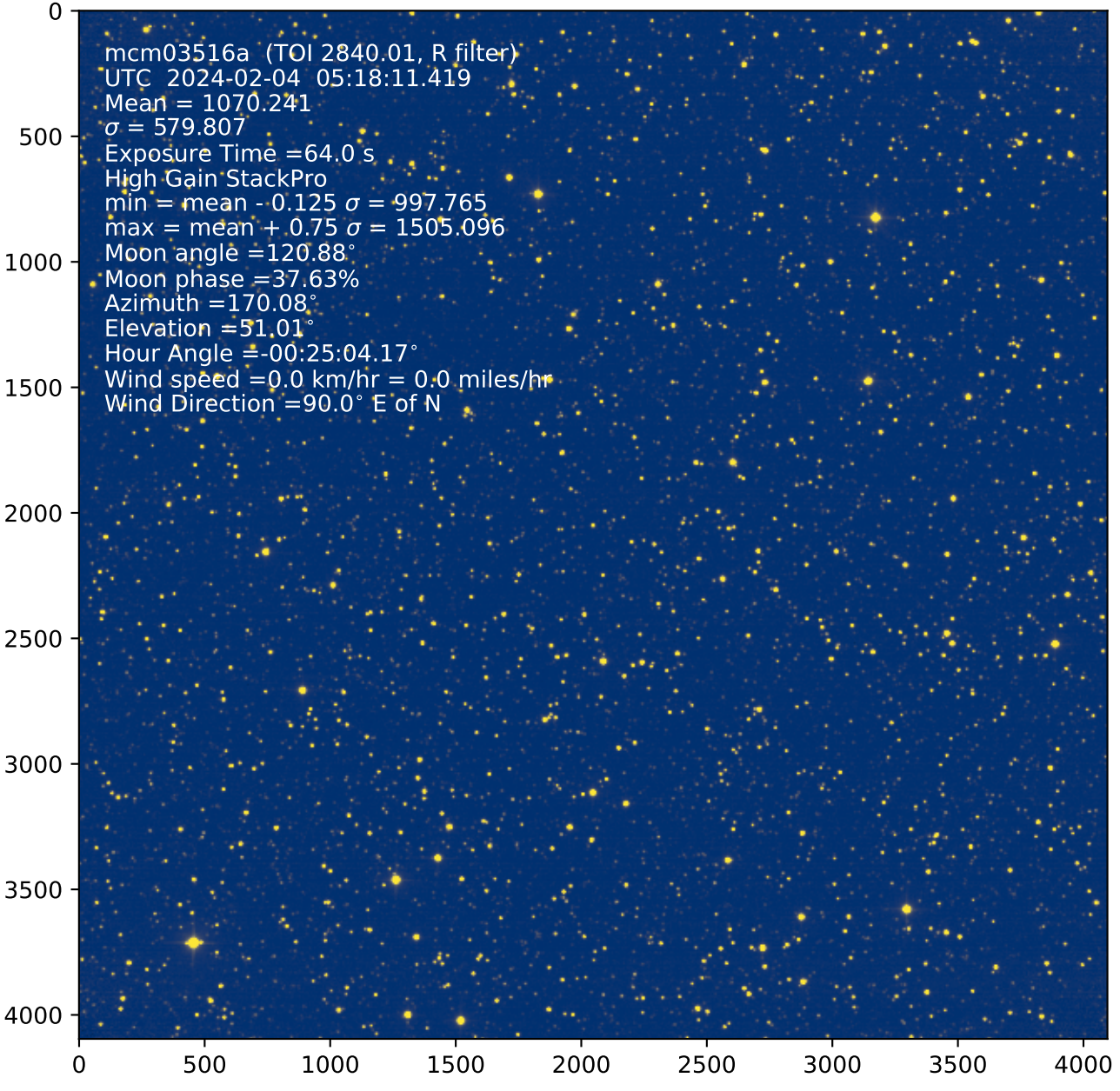

mcm03515e (TOI 2840.01, R filter)
UTC 2024-02-04 05:05:45.210
Mean = 1069.787
σ = 592.817
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.685
max = mean + 0.75 σ = 1514.4
Moon angle =120.78°
Moon phase =37.72%
Azimuth =165.28°
Elevation =50.44°
Hour Angle =-00:37:32.22°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

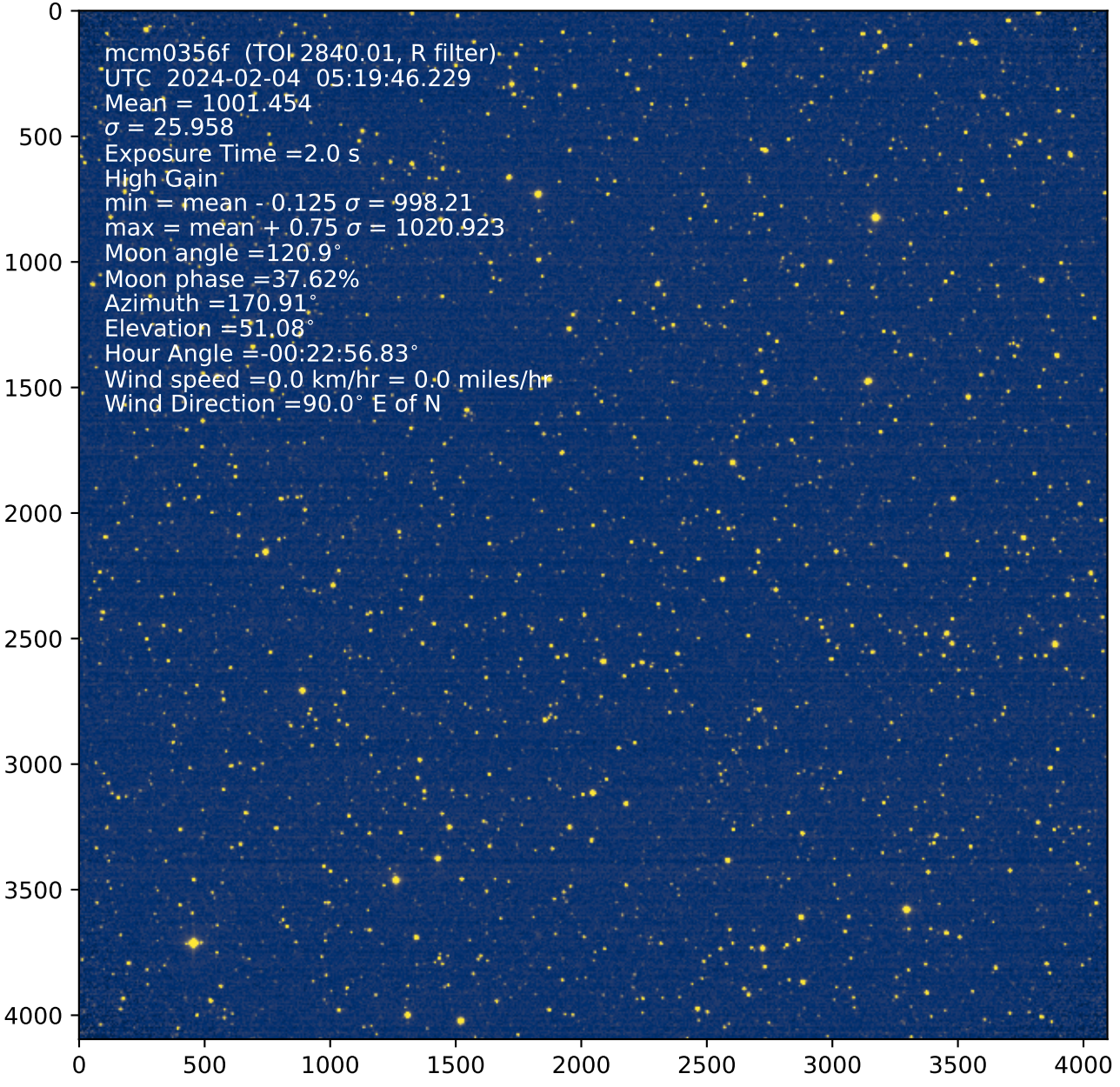

mcm035160 (TOI 2840.01, R filter)
UTC 2024-02-04 05:07:50.179
Mean = 1069.805
σ = 591.601
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.855
max = mean + 0.75 σ = 1513.506
Moon angle =120.8°
Moon phase =37.7%
Azimuth =166.08°
Elevation =50.55°
Hour Angle =-00:35:26.87°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

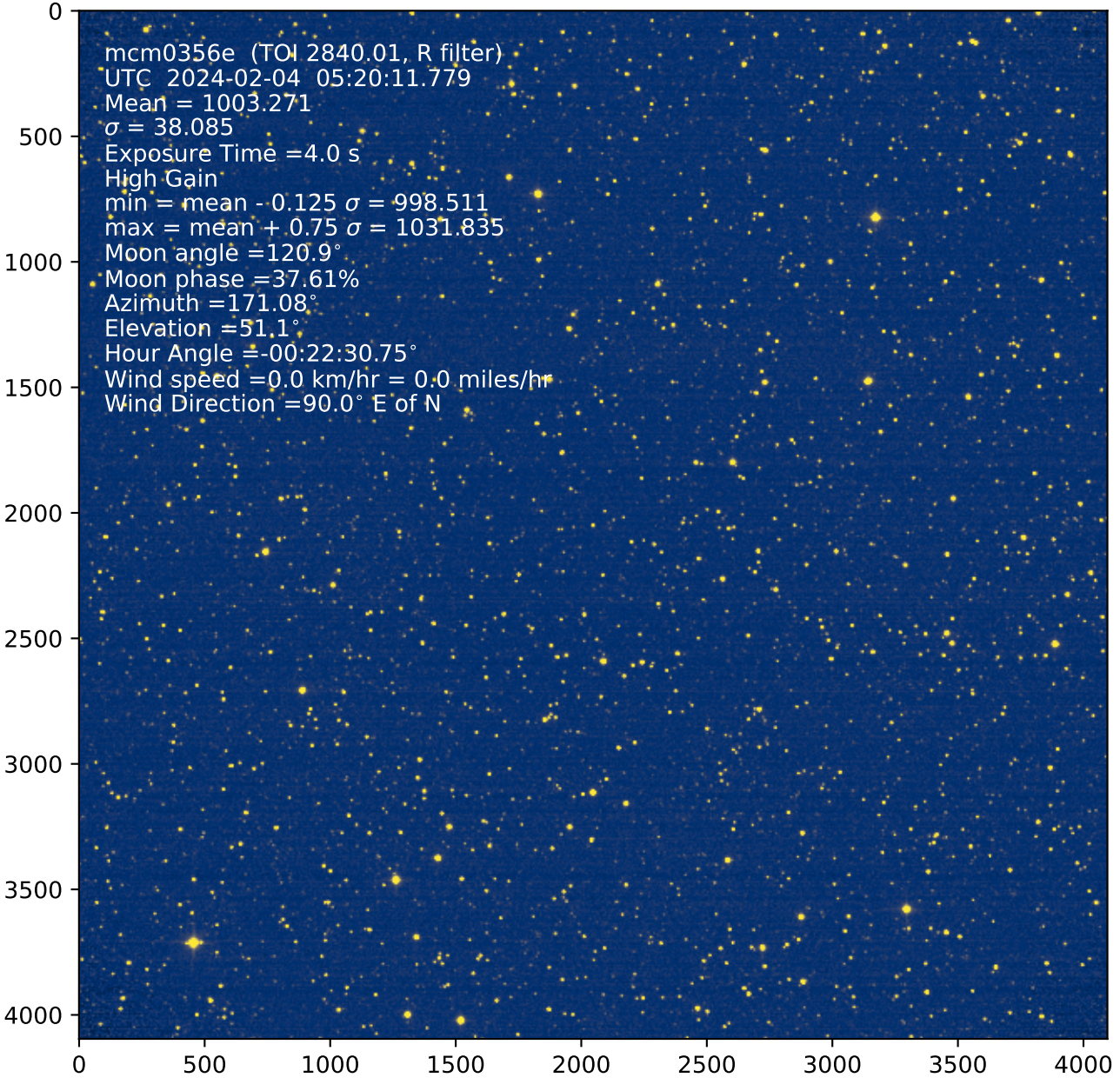

mcm035162 (TOI 2840.01, R filter)
UTC 2024-02-04 05:13:05.070
Mean = 1069.570
σ = 589.597
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.87
max = mean + 0.75 σ = 1511.768
Moon angle =120.84°
Moon phase =37.67%
Azimuth =168.1°
Elevation =50.8°
Hour Angle =-00:30:11.01°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

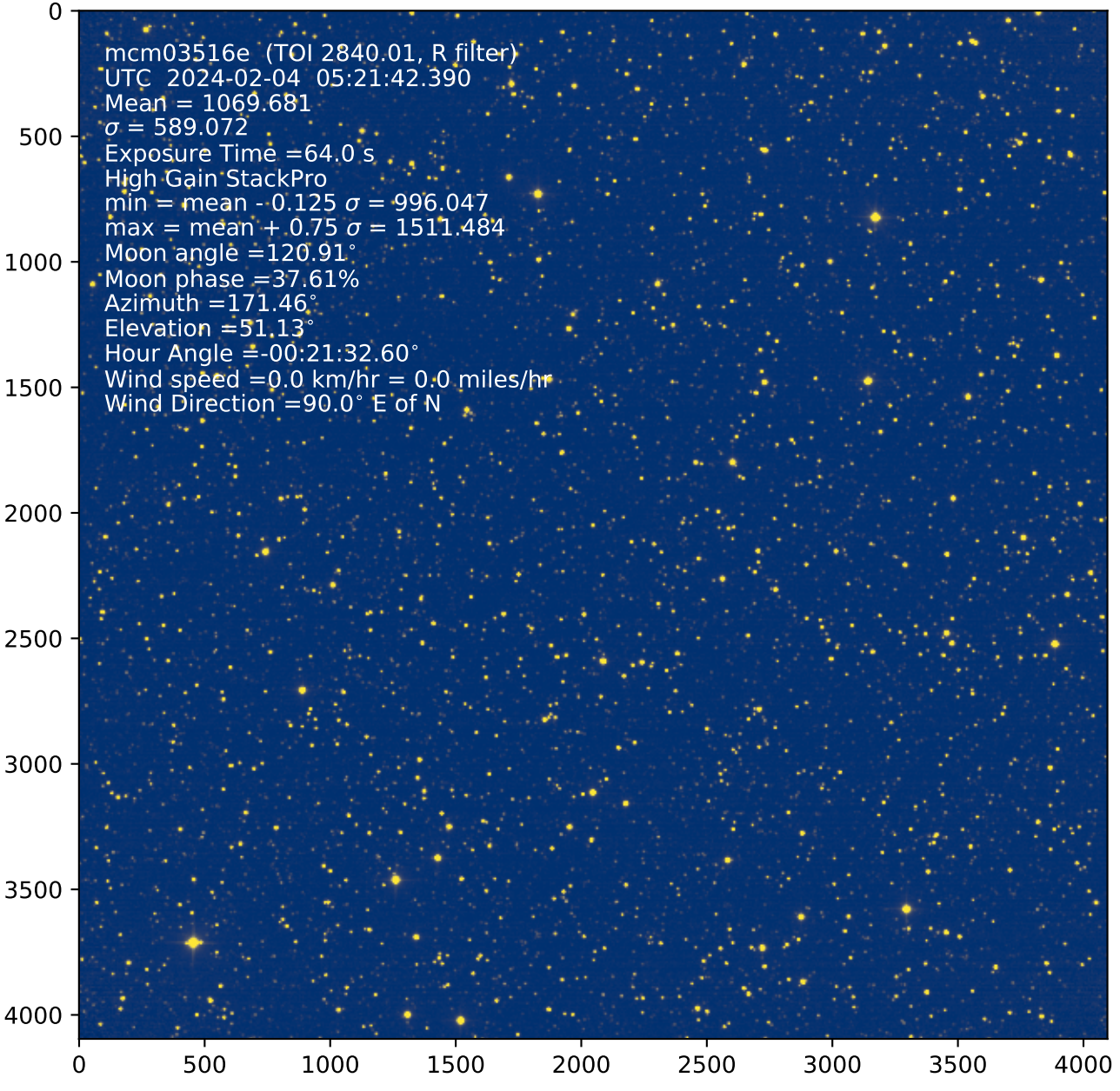

mcm03569 (TOI 2840.01, R filter)
UTC 2024-02-04 05:14:38.240
Mean = 1001.431
σ = 26.052
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.175
max = mean + 0.75 σ = 1020.971
Moon angle =120.86°
Moon phase =37.65%
Azimuth =168.91°
Elevation =50.89°
Hour Angle =-00:28:05.67°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

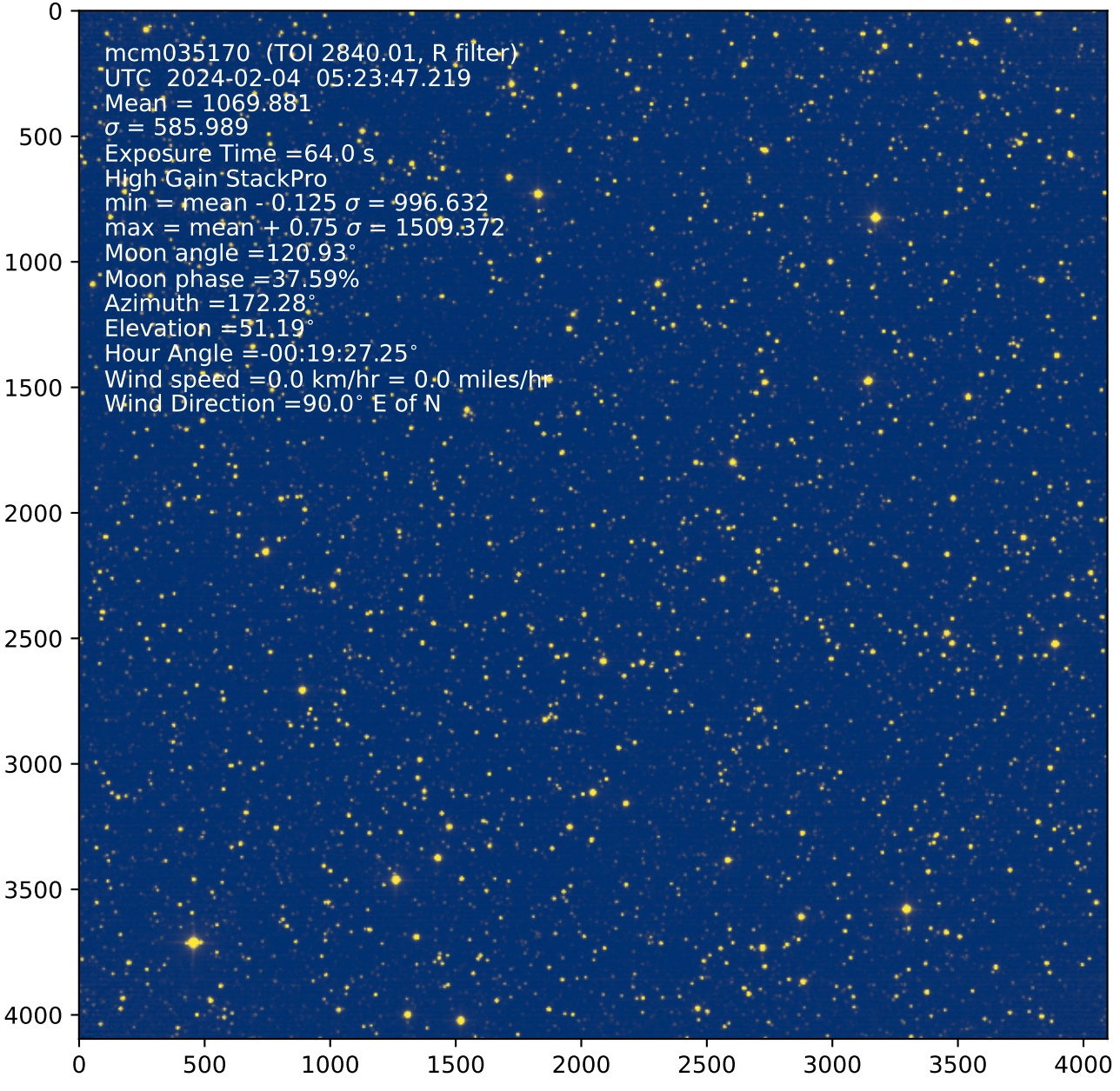

mcm035168 (TOI 2840.01, R filter)
UTC 2024-02-04 05:16:06.160
Mean = 1069.496
σ = 591.143
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.603
max = mean + 0.75 σ = 1512.853
Moon angle =120.87°
Moon phase =37.65%
Azimuth =169.27°
Elevation =50.93°
Hour Angle =-00:27:09.52°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

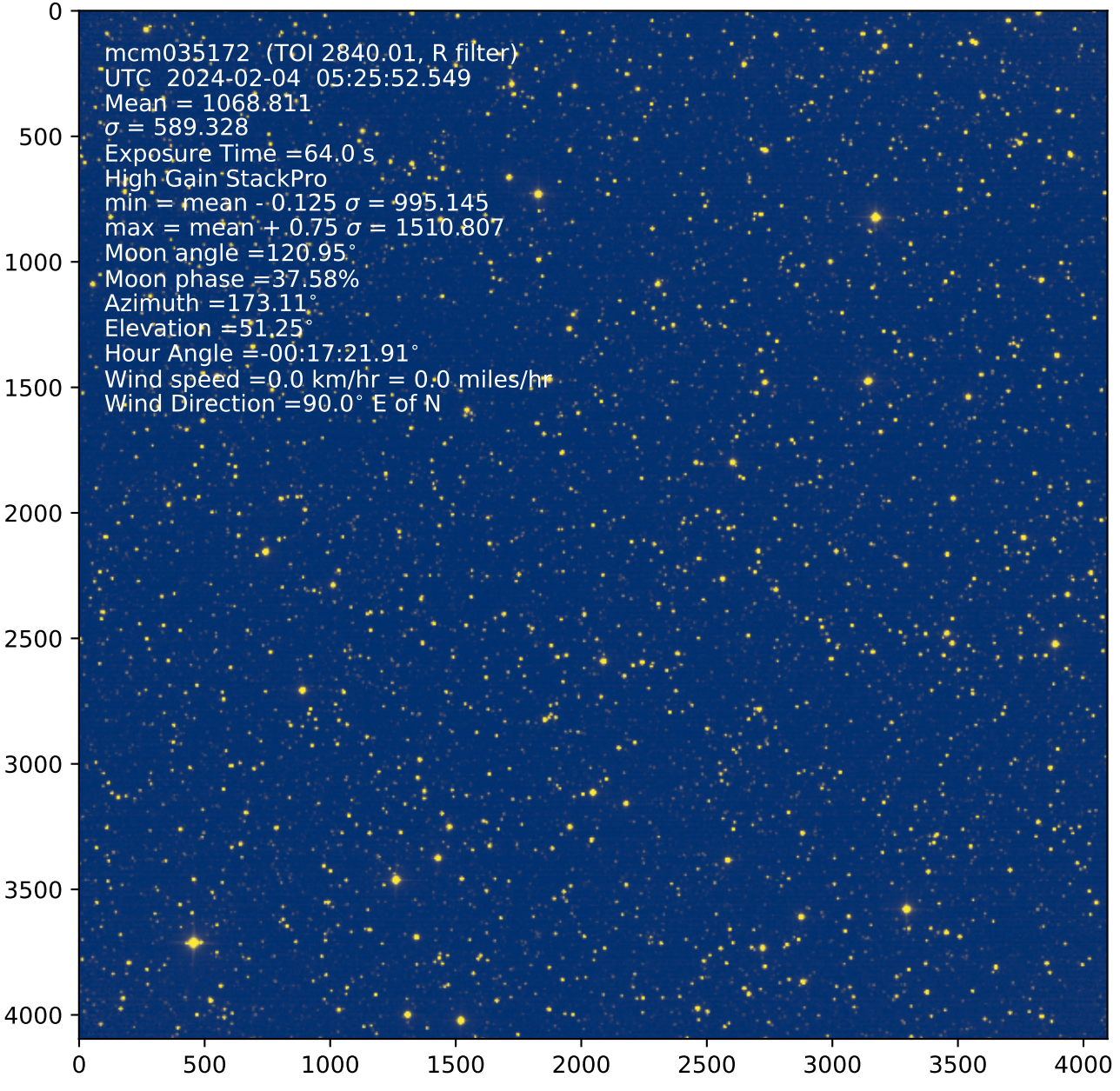

mcm03516a (TOI 2840.01, R filter)
UTC 2024-02-04 05:18:11.419
Mean = 1070.241
σ = 579.807
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.765
max = mean + 0.75 σ = 1505.096
Moon angle =120.88°
Moon phase =37.63%
Azimuth =170.08°
Elevation =51.01°
Hour Angle =-00:25:04.17°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

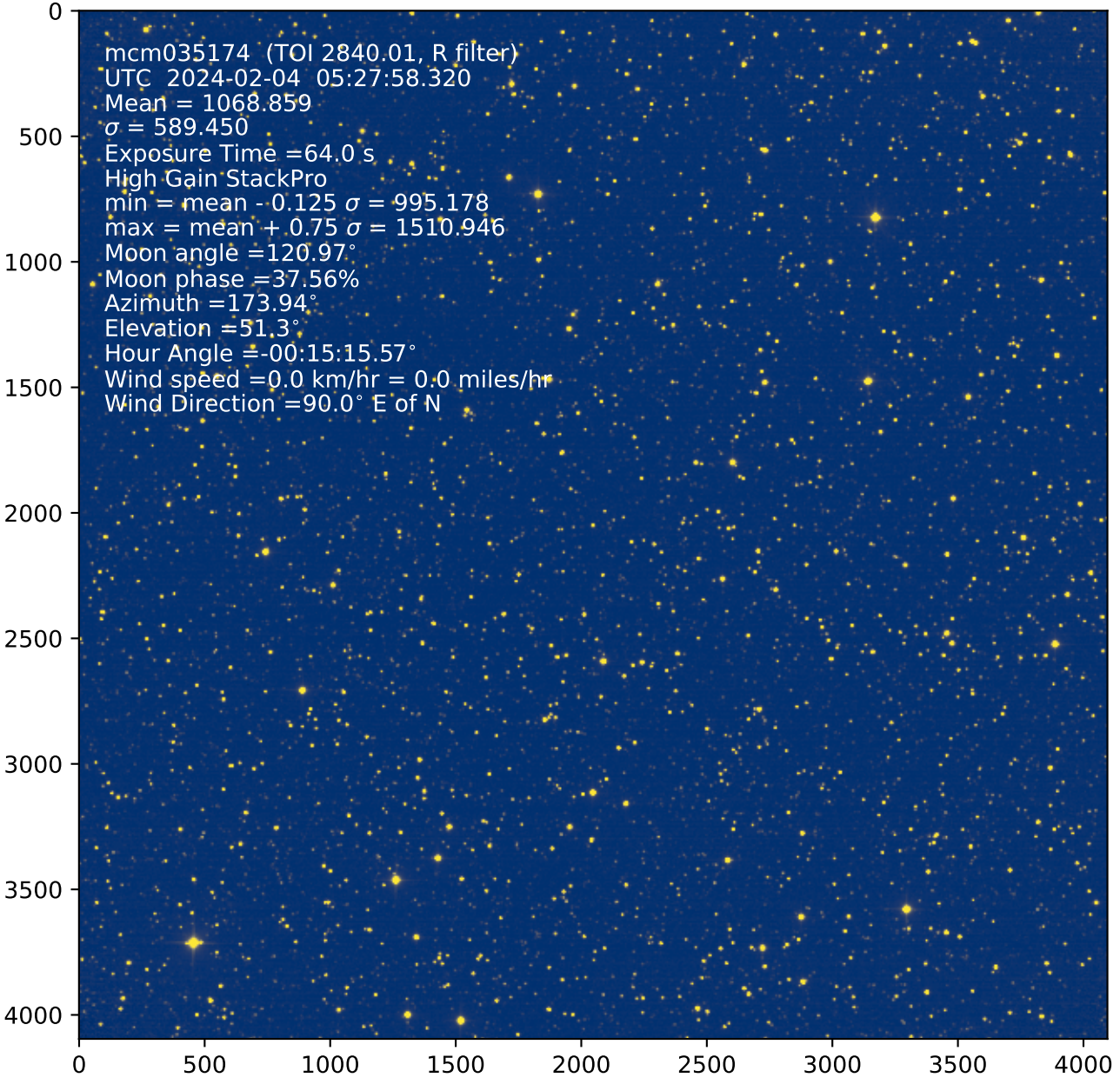

mcm0356f (TOI 2840.01, R filter)
UTC 2024-02-04 05:19:46.229
Mean = 1001.454
σ = 25.958
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.21
max = mean + 0.75 σ = 1020.923
Moon angle =120.9°
Moon phase =37.62%
Azimuth =170.91°
Elevation =51.08°
Hour Angle =-00:22:56.83°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

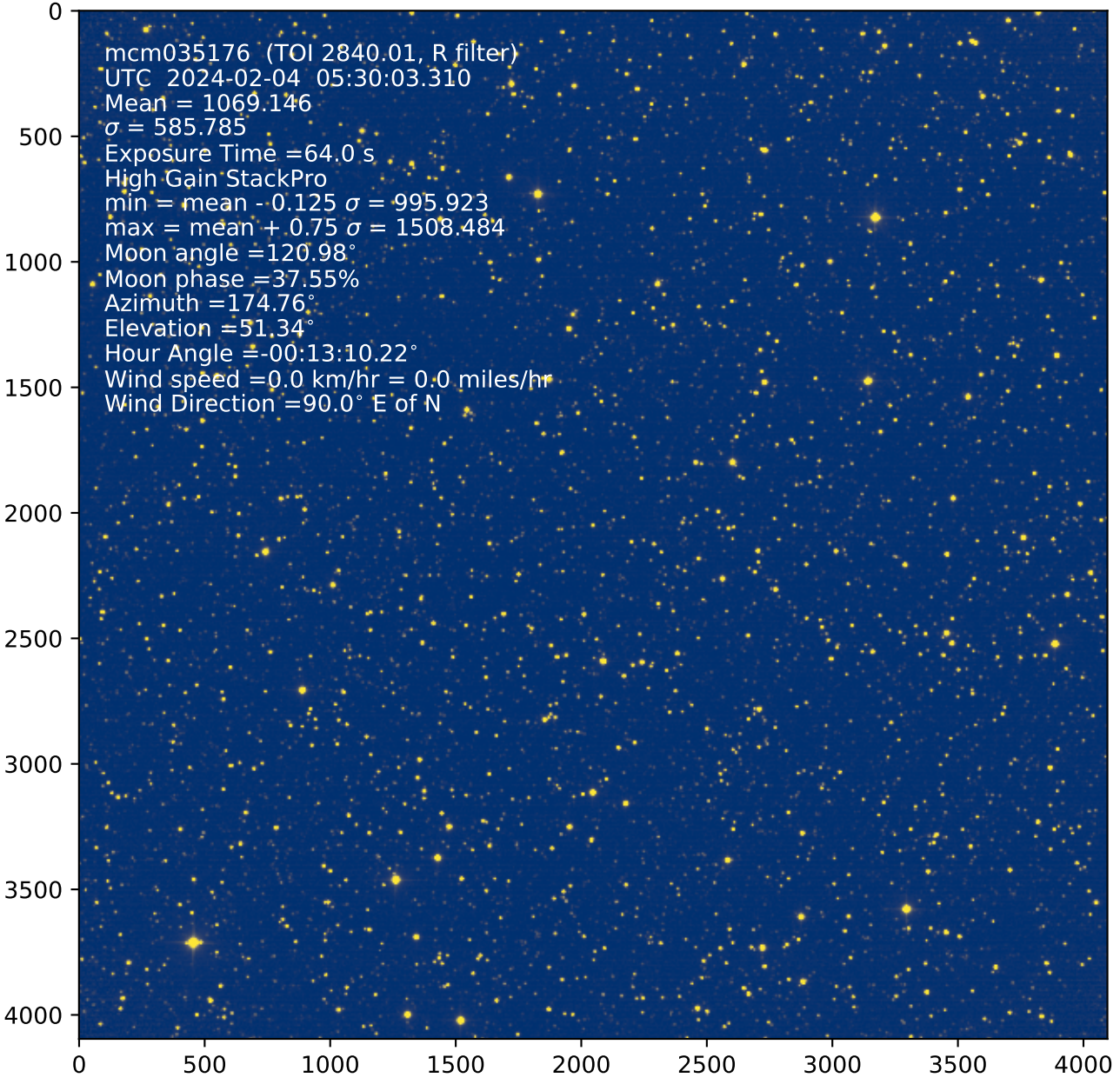

mcm0356e (TOI 2840.01, R filter)
UTC 2024-02-04 05:20:11.779
Mean = 1003.271
σ = 38.085
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.511
max = mean + 0.75 σ = 1031.835
Moon angle =120.9°
Moon phase =37.61%
Azimuth =171.08°
Elevation =51.1°
Hour Angle =-00:22:30.75°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

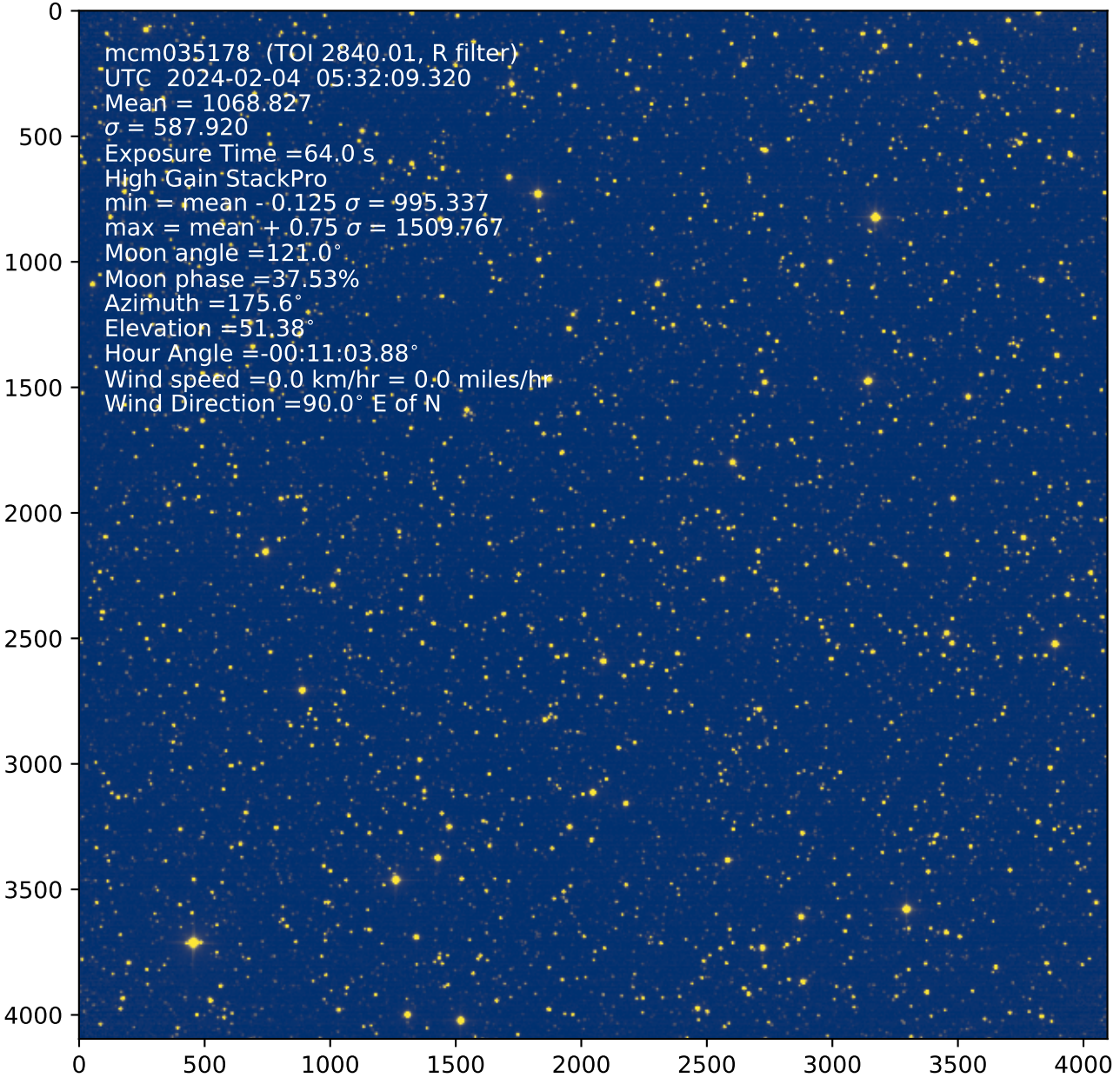

mcm03516e (TOI 2840.01, R filter)
UTC 2024-02-04 05:21:42.390
Mean = 1069.681
σ = 589.072
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.047
max = mean + 0.75 σ = 1511.484
Moon angle =120.91°
Moon phase =37.61%
Azimuth =171.46°
Elevation =51.13°
Hour Angle =-00:21:32.60°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

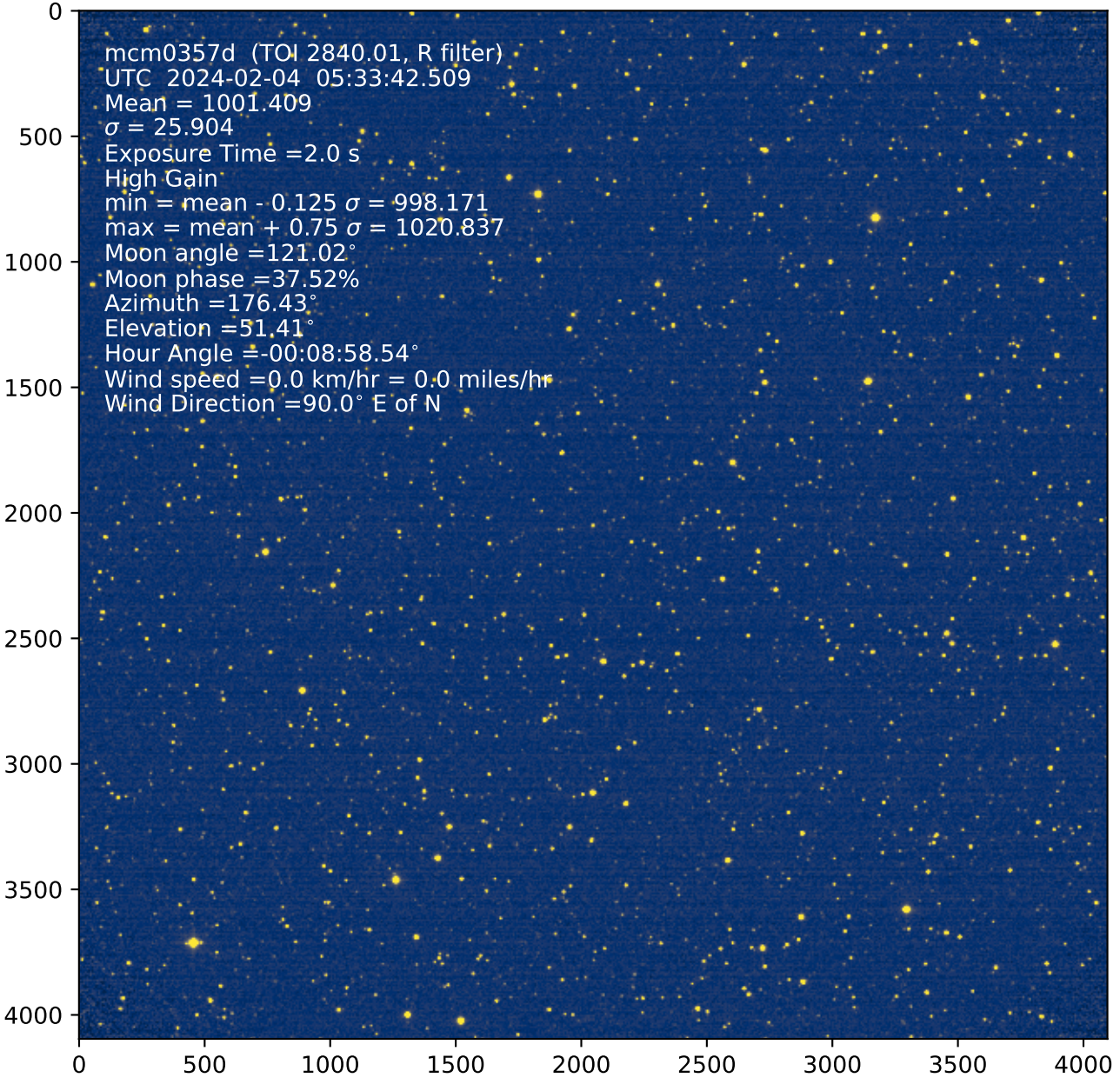

mcm035170 (TOI 2840.01, R filter)
UTC 2024-02-04 05:23:47.219
Mean = 1069.881
σ = 585.989
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.632
max = mean + 0.75 σ = 1509.372
Moon angle =120.93°
Moon phase =37.59%
Azimuth =172.28°
Elevation =51.19°
Hour Angle =-00:19:27.25°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

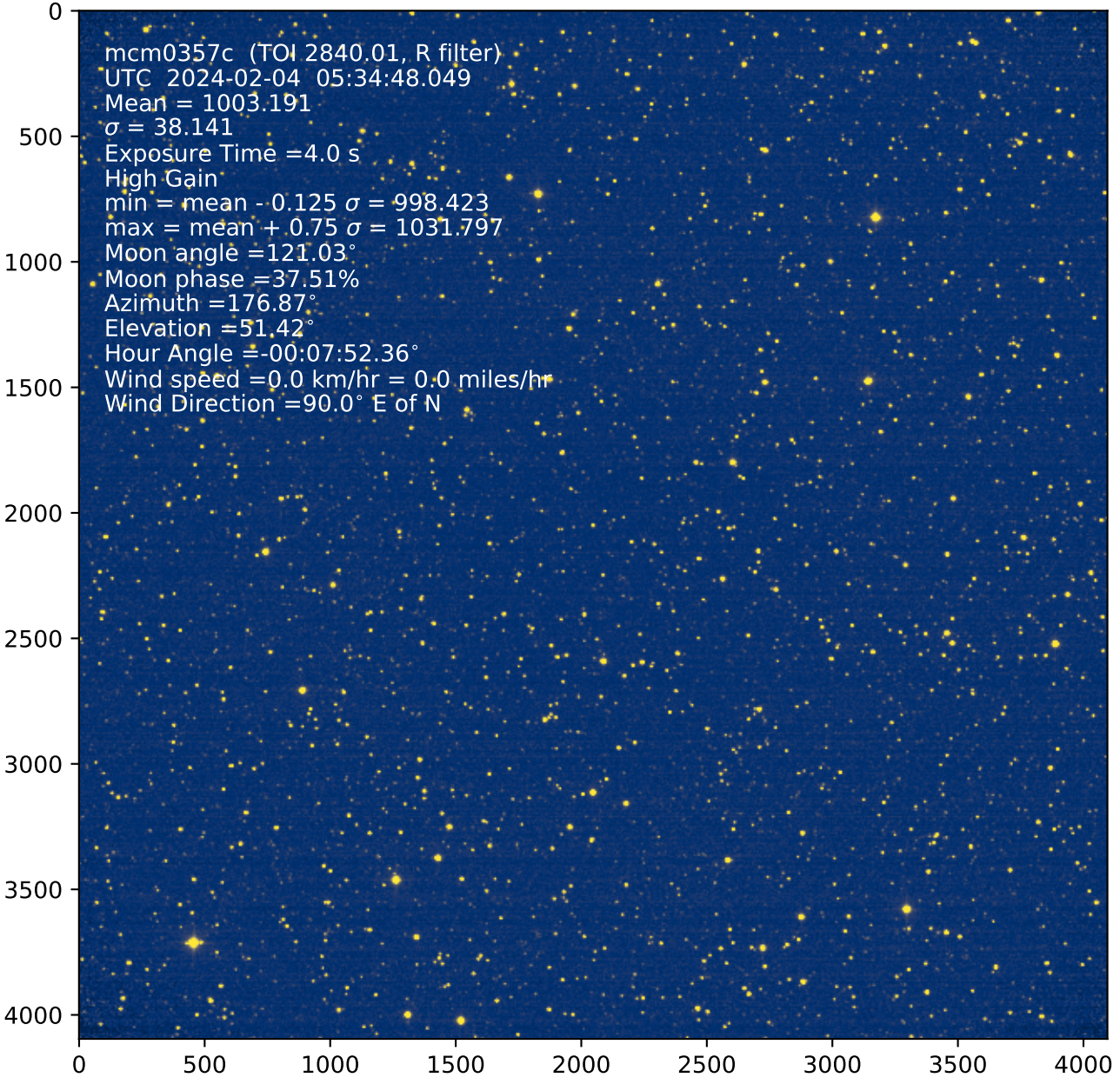

mcm035172 (TOI 2840.01, R filter)
UTC 2024-02-04 05:25:52.549
Mean = 1068.811
σ = 589.328
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.145
max = mean + 0.75 σ = 1510.807
Moon angle =120.95°
Moon phase =37.58%
Azimuth =173.11°
Elevation =51.25°
Hour Angle =-00:17:21.91°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

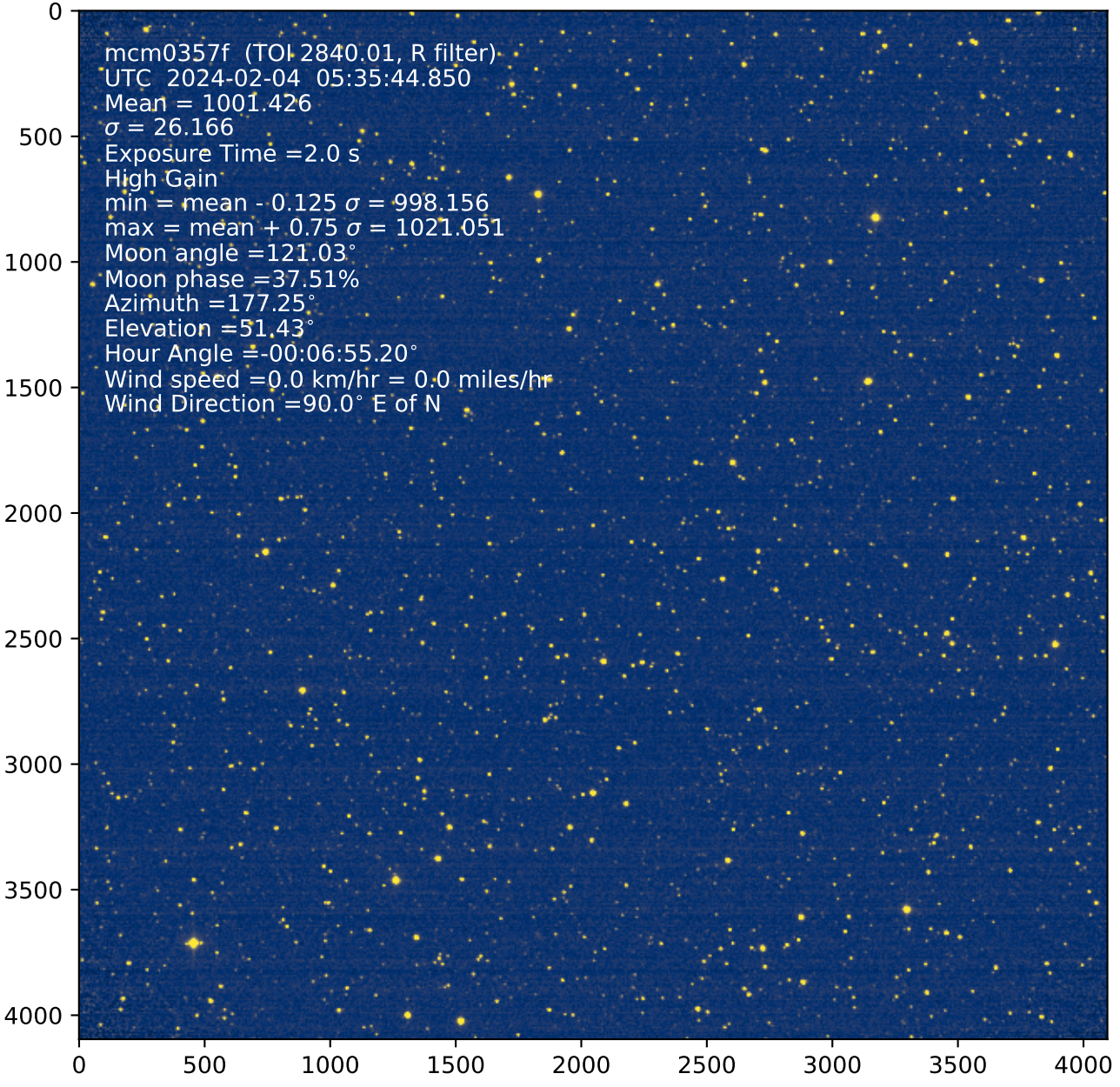

mcm035174 (TOI 2840.01, R filter)
UTC 2024-02-04 05:27:58.320
Mean = 1068.859
σ = 589.450
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.178
max = mean + 0.75 σ = 1510.946
Moon angle =120.97°
Moon phase =37.56%
Azimuth =173.94°
Elevation =51.3°
Hour Angle =-00:15:15.57°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

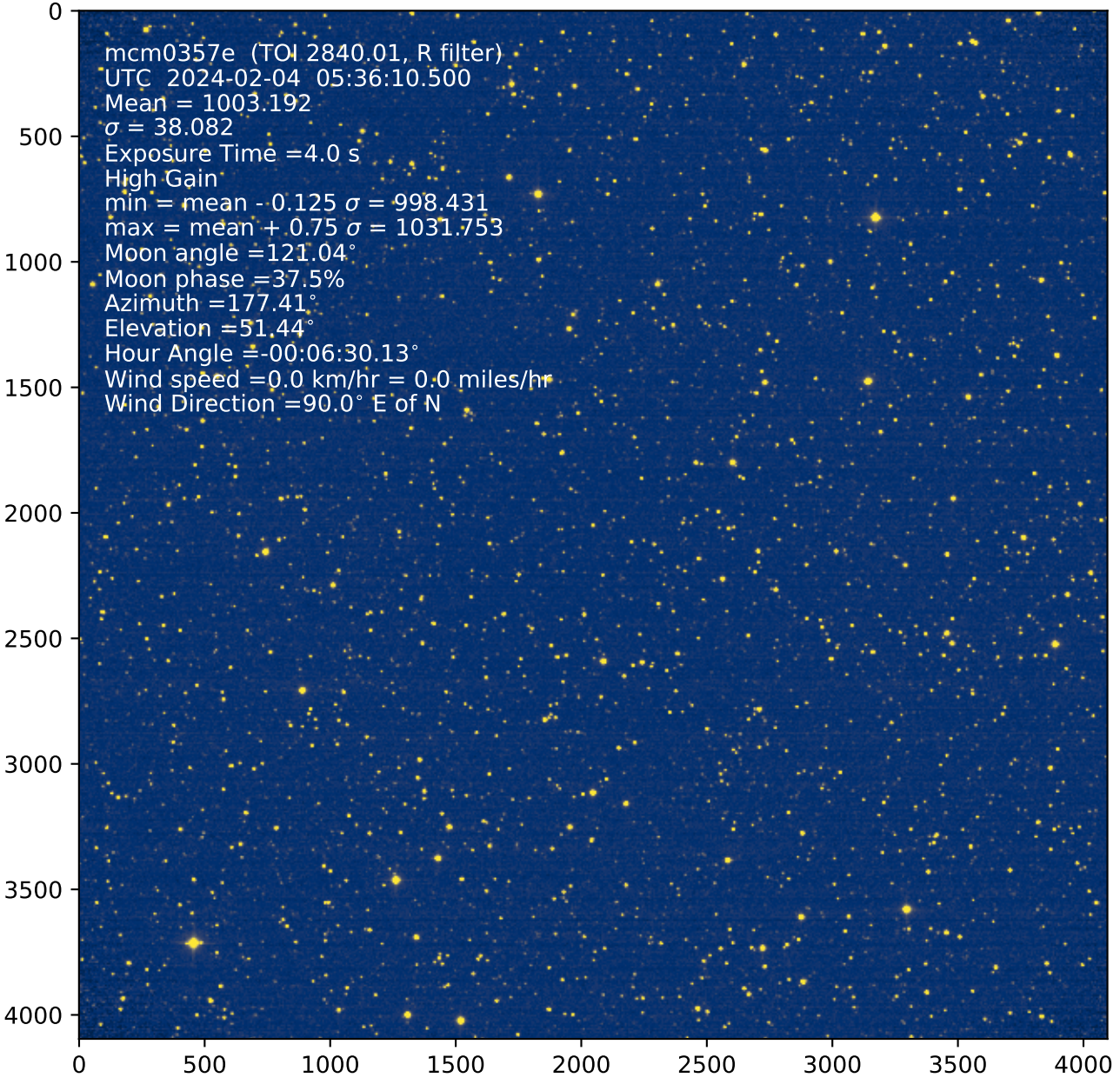

mcm035176 (TOI 2840.01, R filter)
UTC 2024-02-04 05:30:03.310
Mean = 1069.146
σ = 585.785
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.923
max = mean + 0.75 σ = 1508.484
Moon angle =120.98°
Moon phase =37.55%
Azimuth =174.76°
Elevation =51.34°
Hour Angle =-00:13:10.22°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

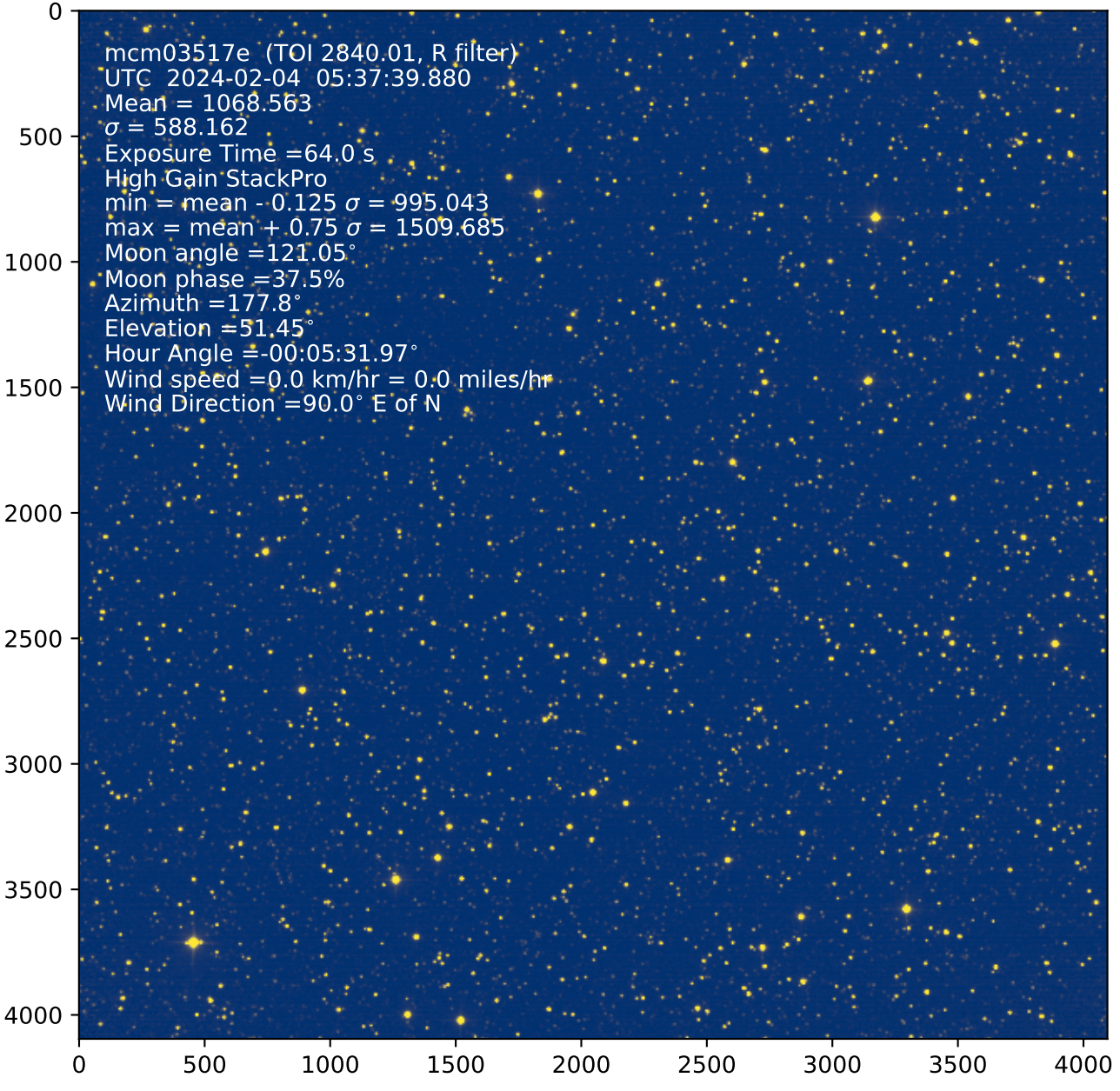

mcm035178 (TOI 2840.01, R filter)
UTC 2024-02-04 05:32:09.320
Mean = 1068.827
σ = 587.920
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.337
max = mean + 0.75 σ = 1509.767
Moon angle =121.0°
Moon phase =37.53%
Azimuth =175.6°
Elevation =51.38°
Hour Angle =-00:11:03.88°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

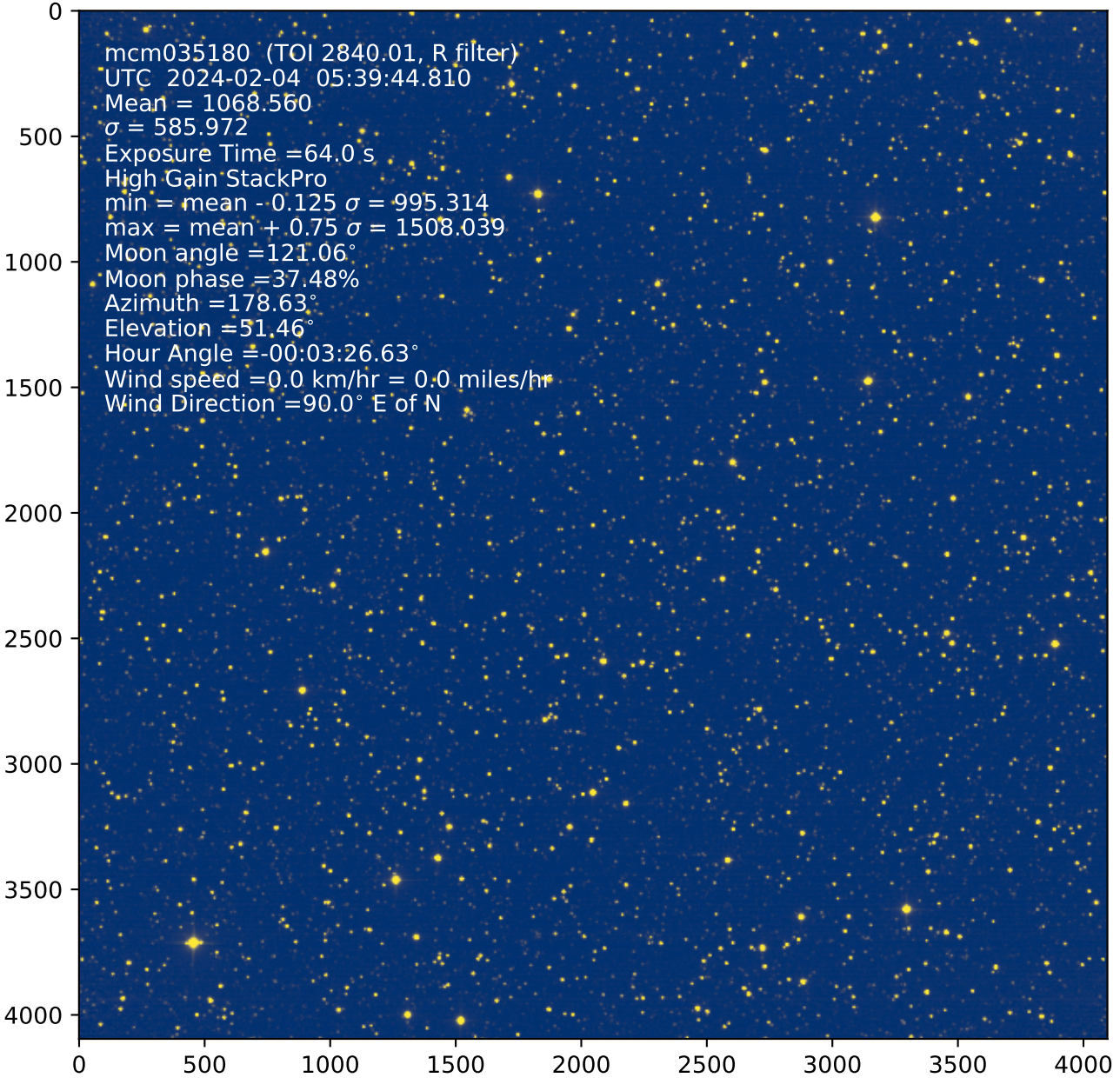

mcm0357d (TOI 2840.01, R filter)
UTC 2024-02-04 05:33:42.509
Mean = 1001.409
σ = 25.904
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.171
max = mean + 0.75 σ = 1020.837
Moon angle =121.02°
Moon phase =37.52%
Azimuth =176.43°
Elevation =51.41°
Hour Angle =-00:08:58.54°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

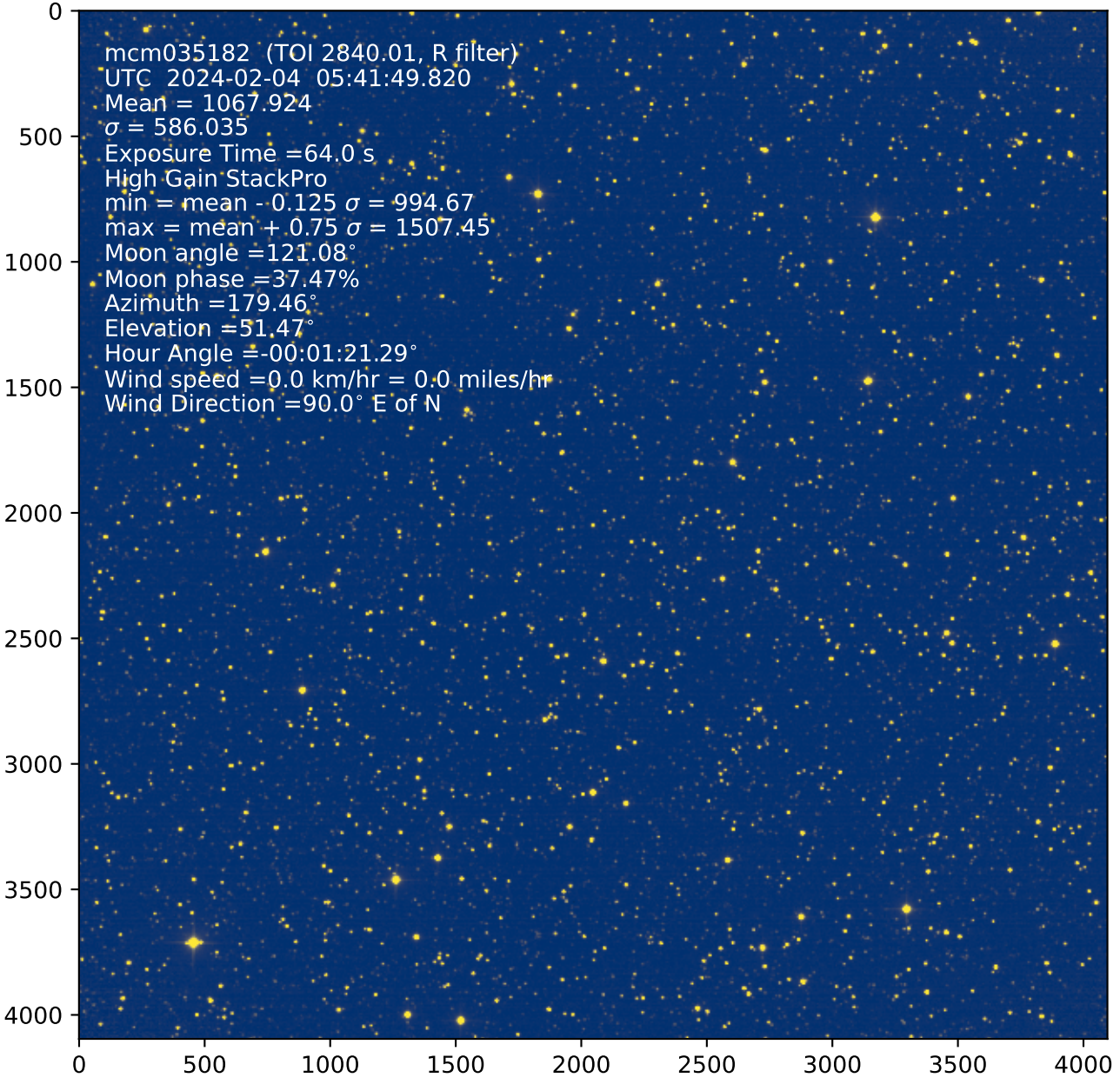

mcm0357c (TOI 2840.01, R filter)
UTC 2024-02-04 05:34:48.049
Mean = 1003.191
σ = 38.141
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.423
max = mean + 0.75 σ = 1031.797
Moon angle =121.03°
Moon phase =37.51%
Azimuth =176.87°
Elevation =51.42°
Hour Angle =-00:07:52.36°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

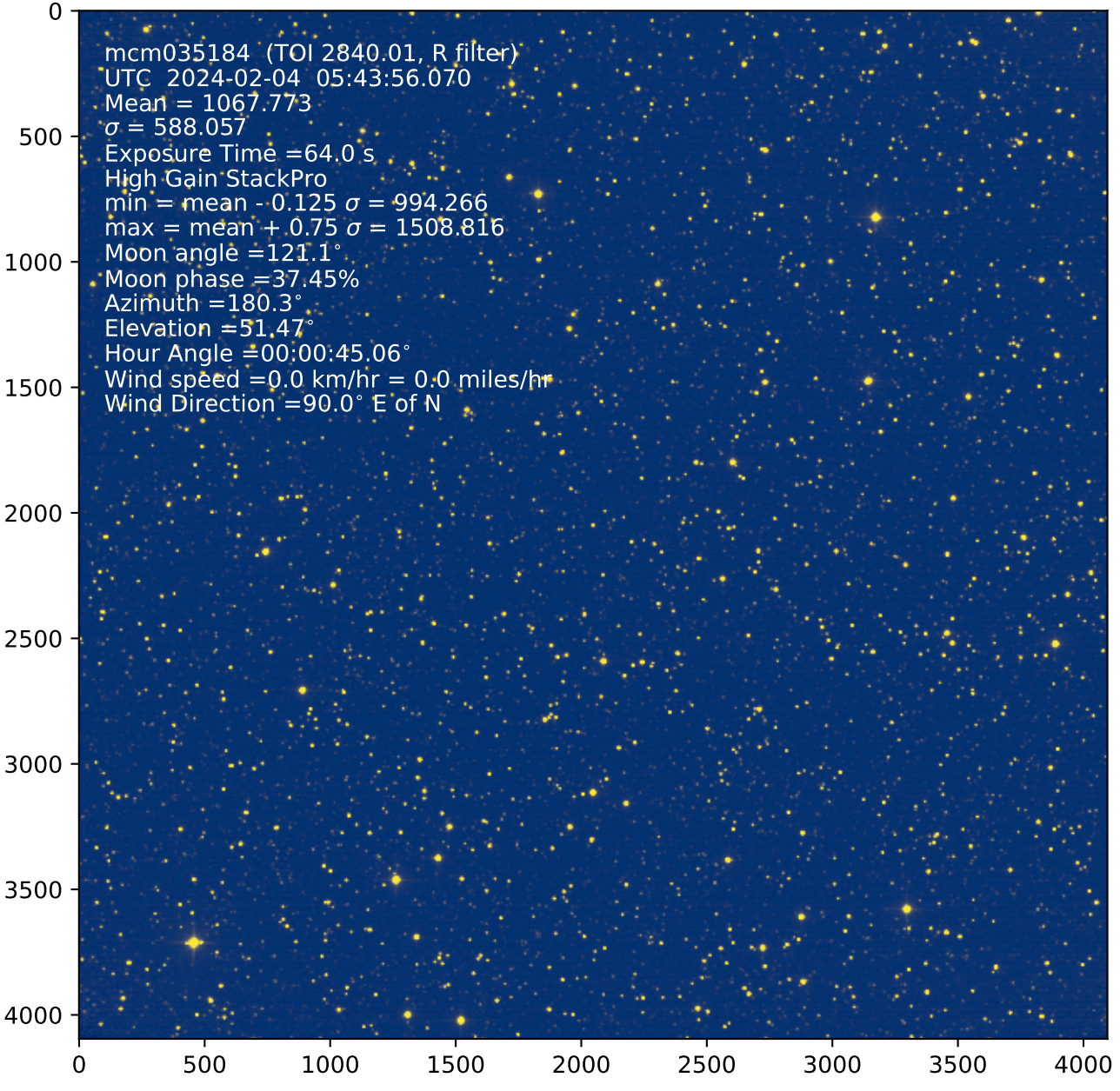

mcm0357f (TOI 2840.01, R filter)
UTC 2024-02-04 05:35:44.850
Mean = 1001.426
σ = 26.166
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.156
max = mean + 0.75 σ = 1021.051
Moon angle =121.03°
Moon phase =37.51%
Azimuth =177.25°
Elevation =51.43°
Hour Angle =-00:06:55.20°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

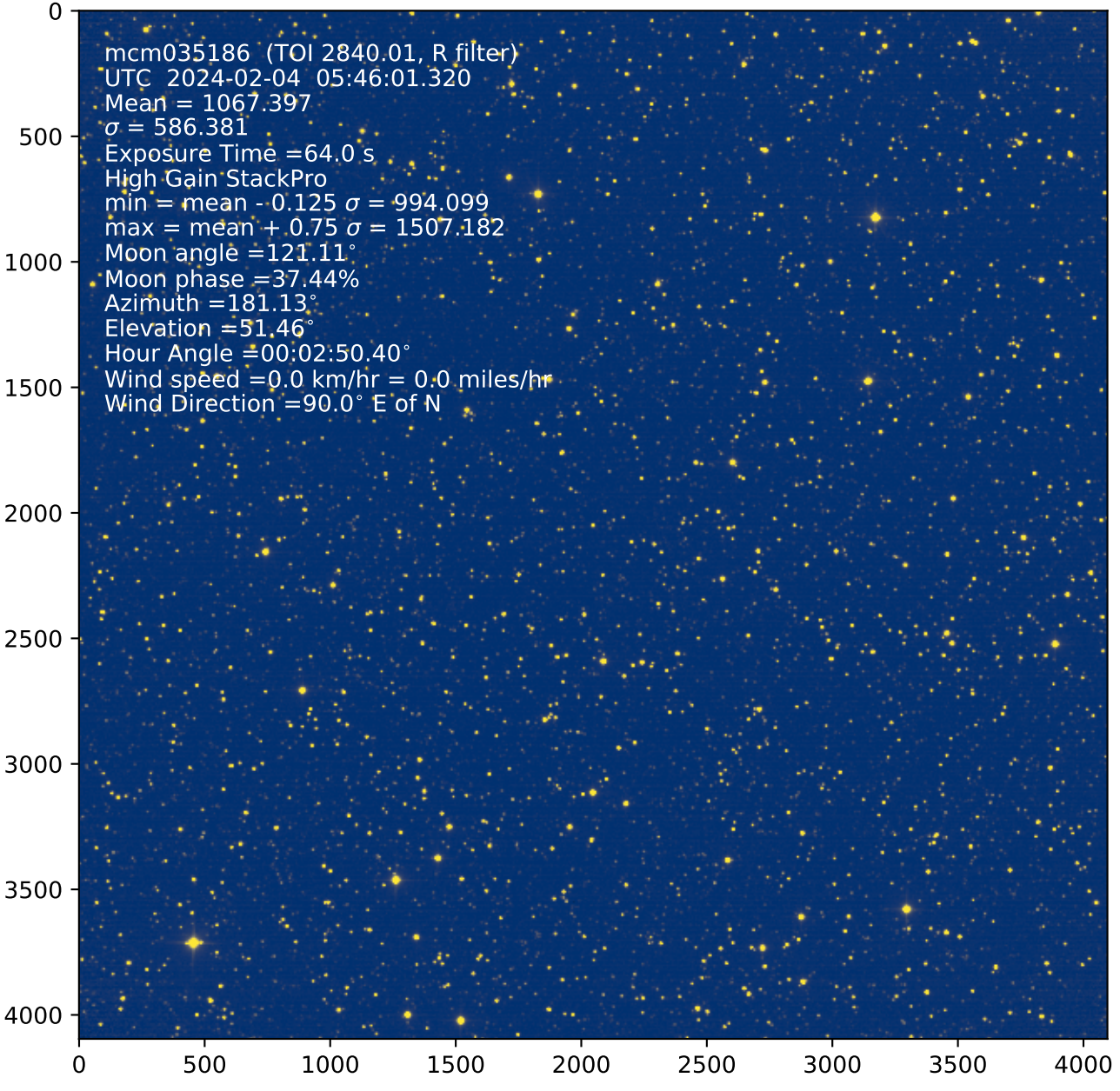

mcm0357e (TOI 2840.01, R filter)
UTC 2024-02-04 05:36:10.500
Mean = 1003.192
σ = 38.082
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.431
max = mean + 0.75 σ = 1031.753
Moon angle =121.04°
Moon phase =37.5%
Azimuth =177.41°
Elevation =51.44°
Hour Angle =-00:06:30.13°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

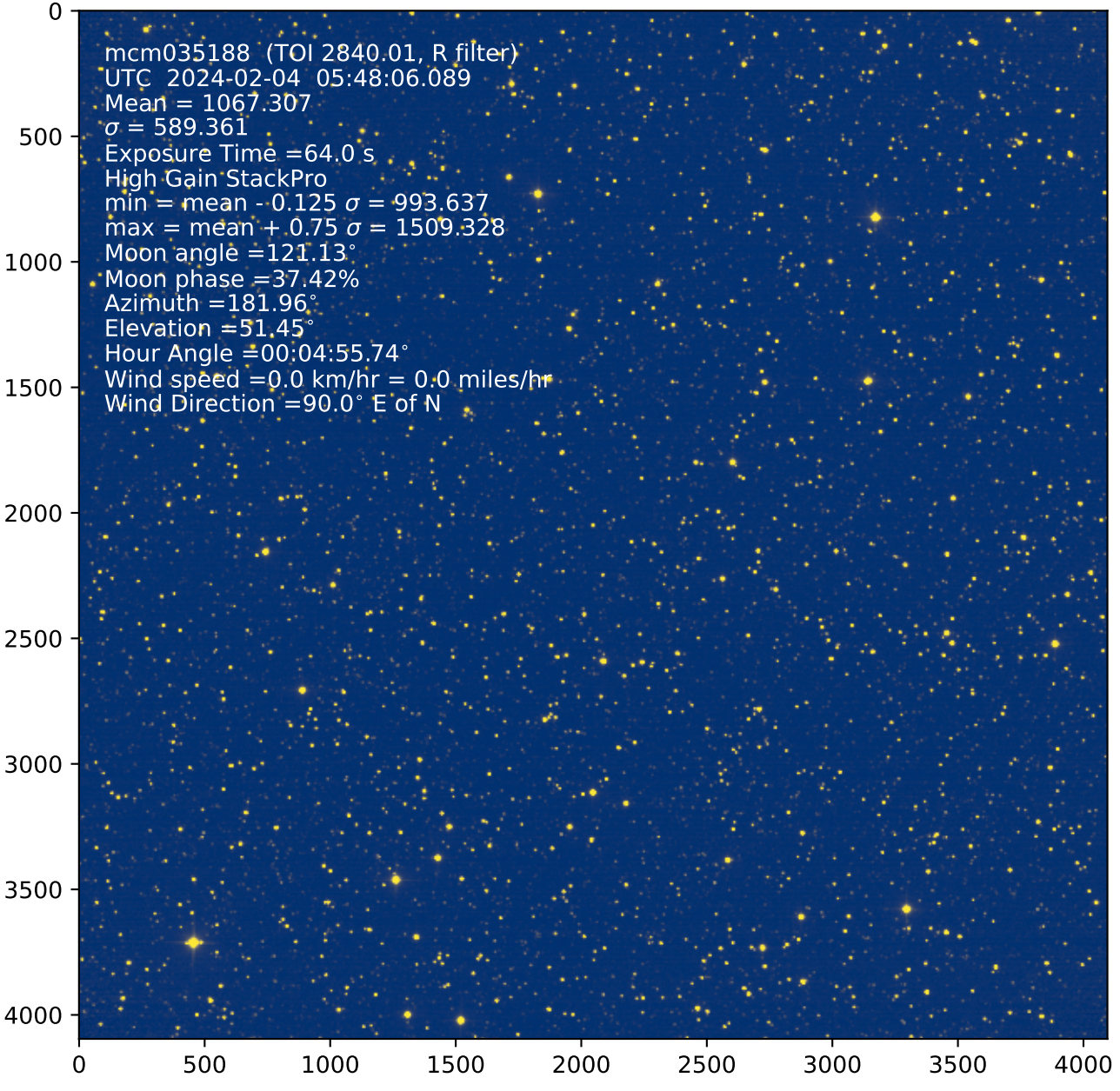

mcm03517e (TOI 2840.01, R filter)
UTC 2024-02-04 05:37:39.880
Mean = 1068.563
σ = 588.162
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.043
max = mean + 0.75 σ = 1509.685
Moon angle =121.05°
Moon phase =37.5%
Azimuth =177.8°
Elevation =51.45°
Hour Angle =-00:05:31.97°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

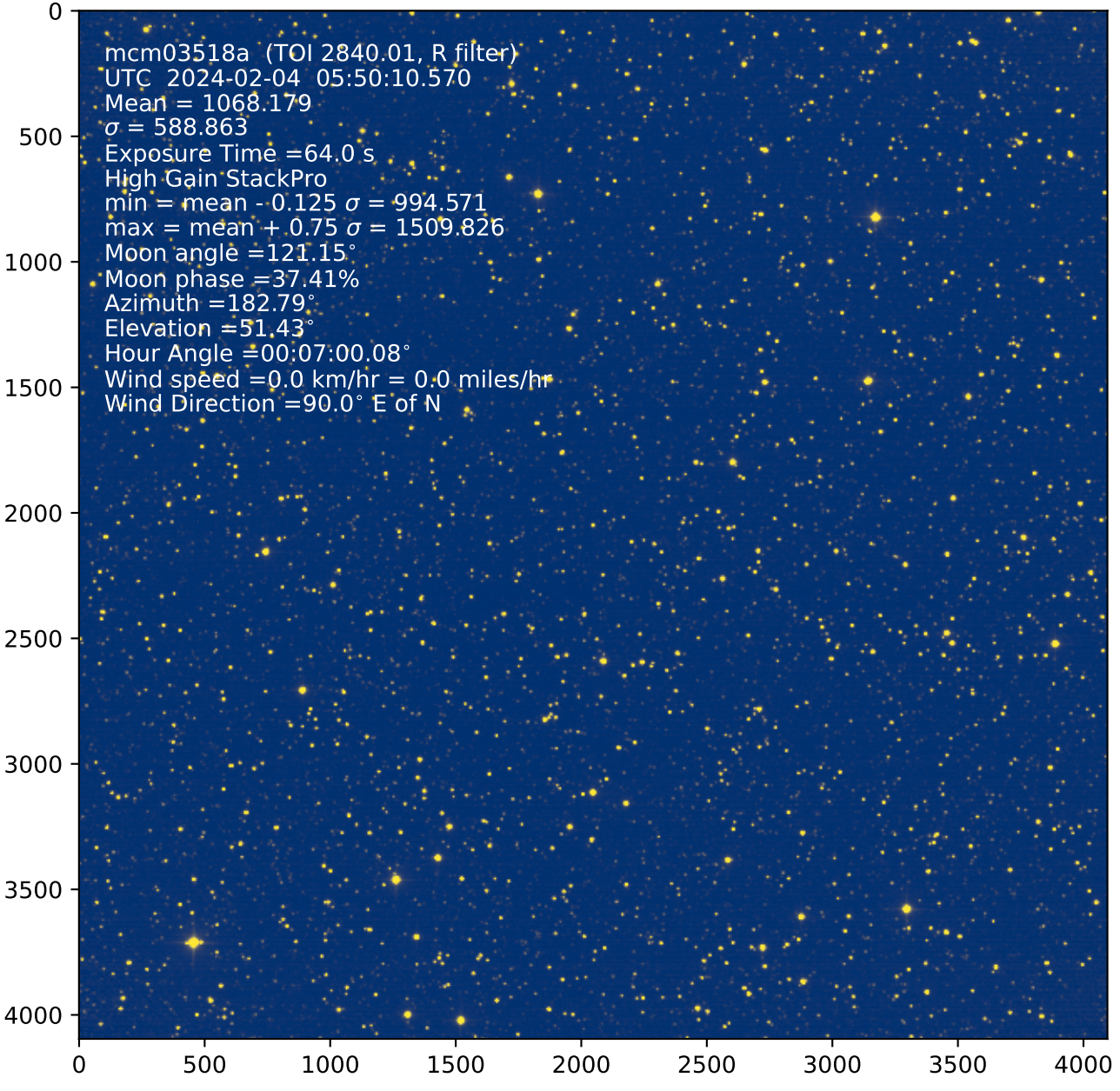

mcm035180 (TOI 2840.01, R filter)
UTC 2024-02-04 05:39:44.810
Mean = 1068.560
σ = 585.972
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.314
max = mean + 0.75 σ = 1508.039
Moon angle =121.06°
Moon phase =37.48%
Azimuth =178.63°
Elevation =51.46°
Hour Angle =-00:03:26.63°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

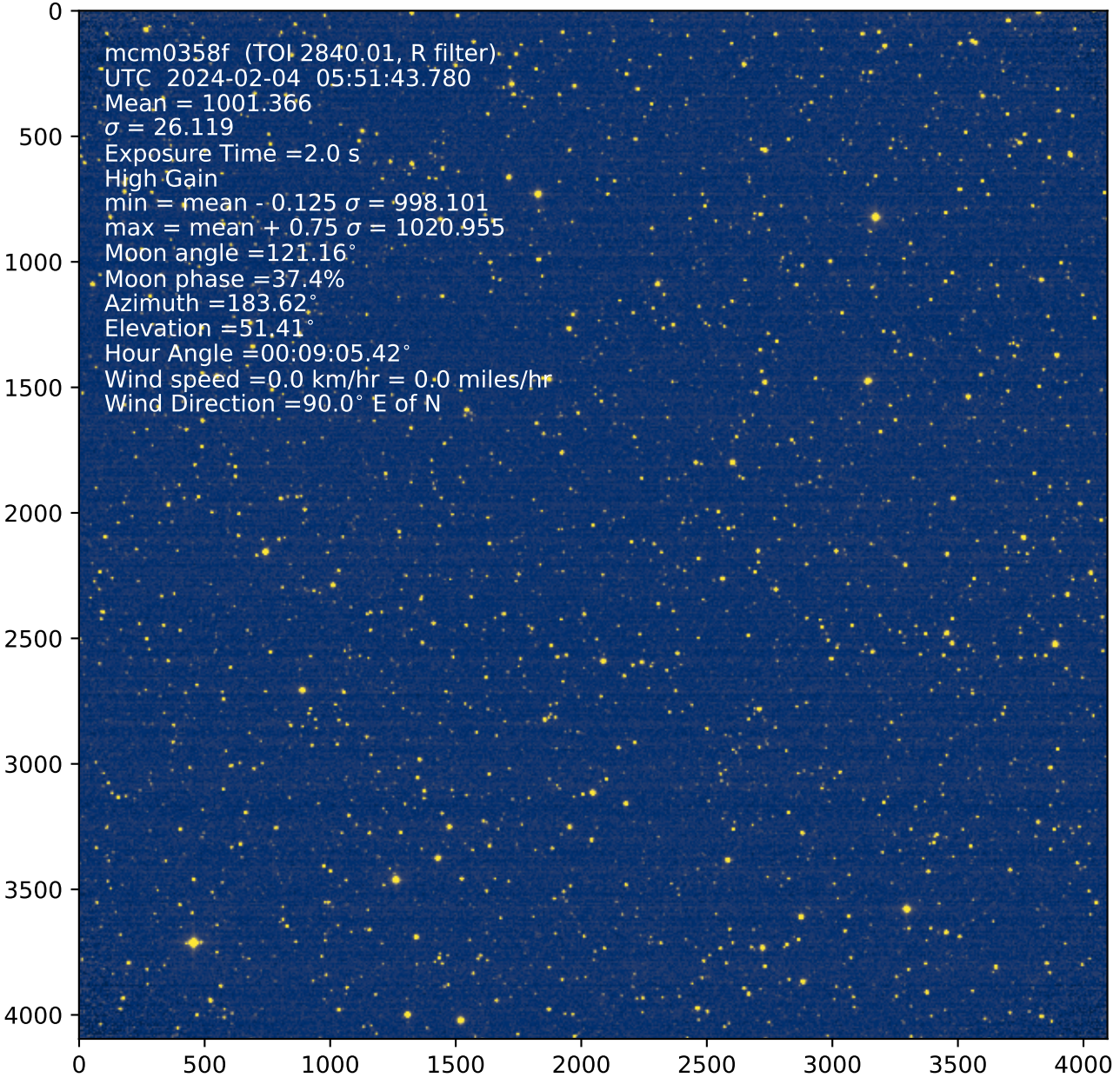

mcm035182 (TOI 2840.01, R filter)
UTC 2024-02-04 05:41:49.820
Mean = 1067.924
σ = 586.035
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.67
max = mean + 0.75 σ = 1507.45
Moon angle =121.08°
Moon phase =37.47%
Azimuth =179.46°
Elevation =51.47°
Hour Angle =-00:01:21.29°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

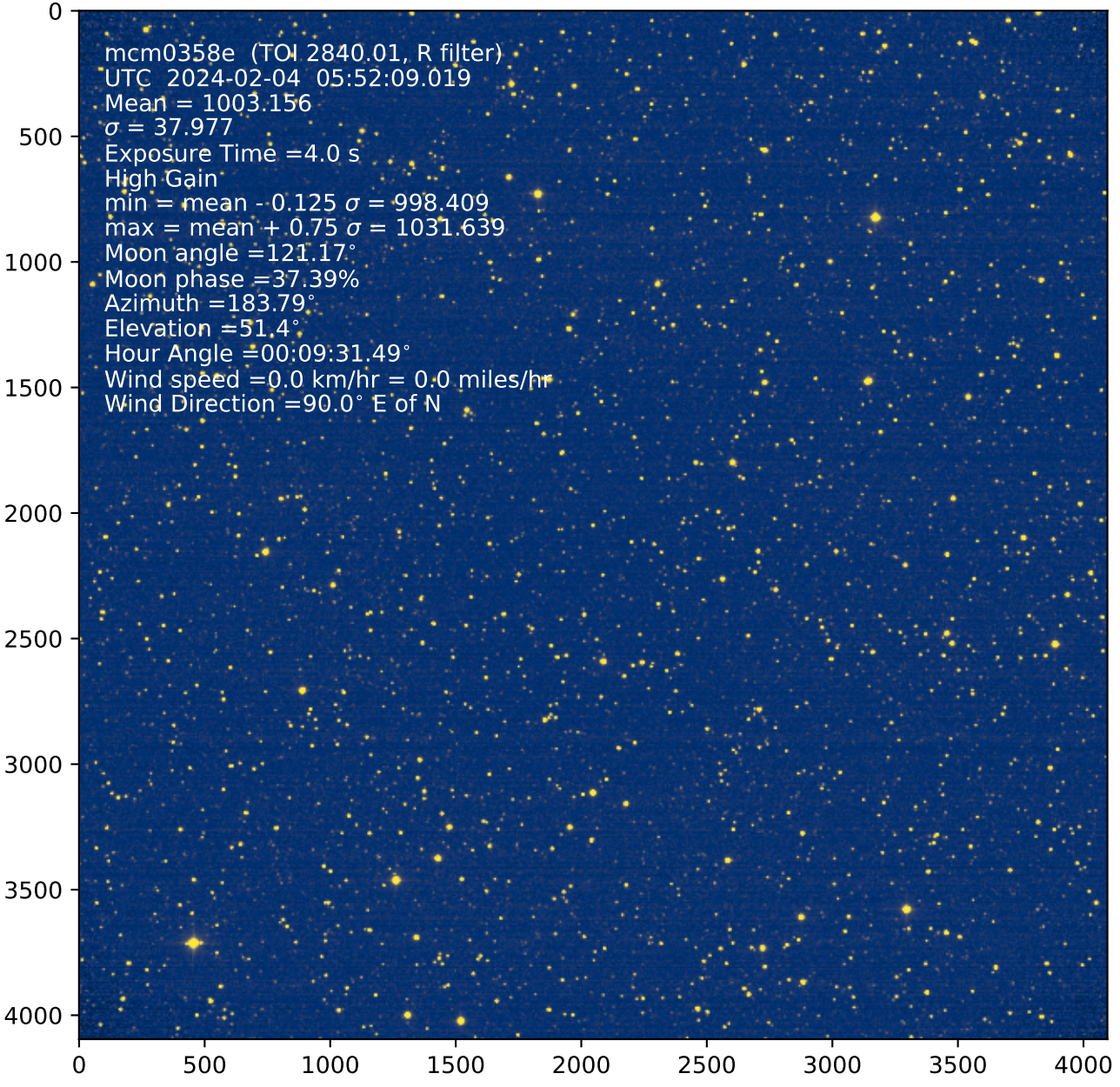

mcm035184 (TOI 2840.01, R filter)
UTC 2024-02-04 05:43:56.070
Mean = 1067.773
σ = 588.057
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.266
max = mean + 0.75 σ = 1508.816
Moon angle =121.1°
Moon phase =37.45%
Azimuth =180.3°
Elevation =51.47°
Hour Angle =00:00:45.06°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

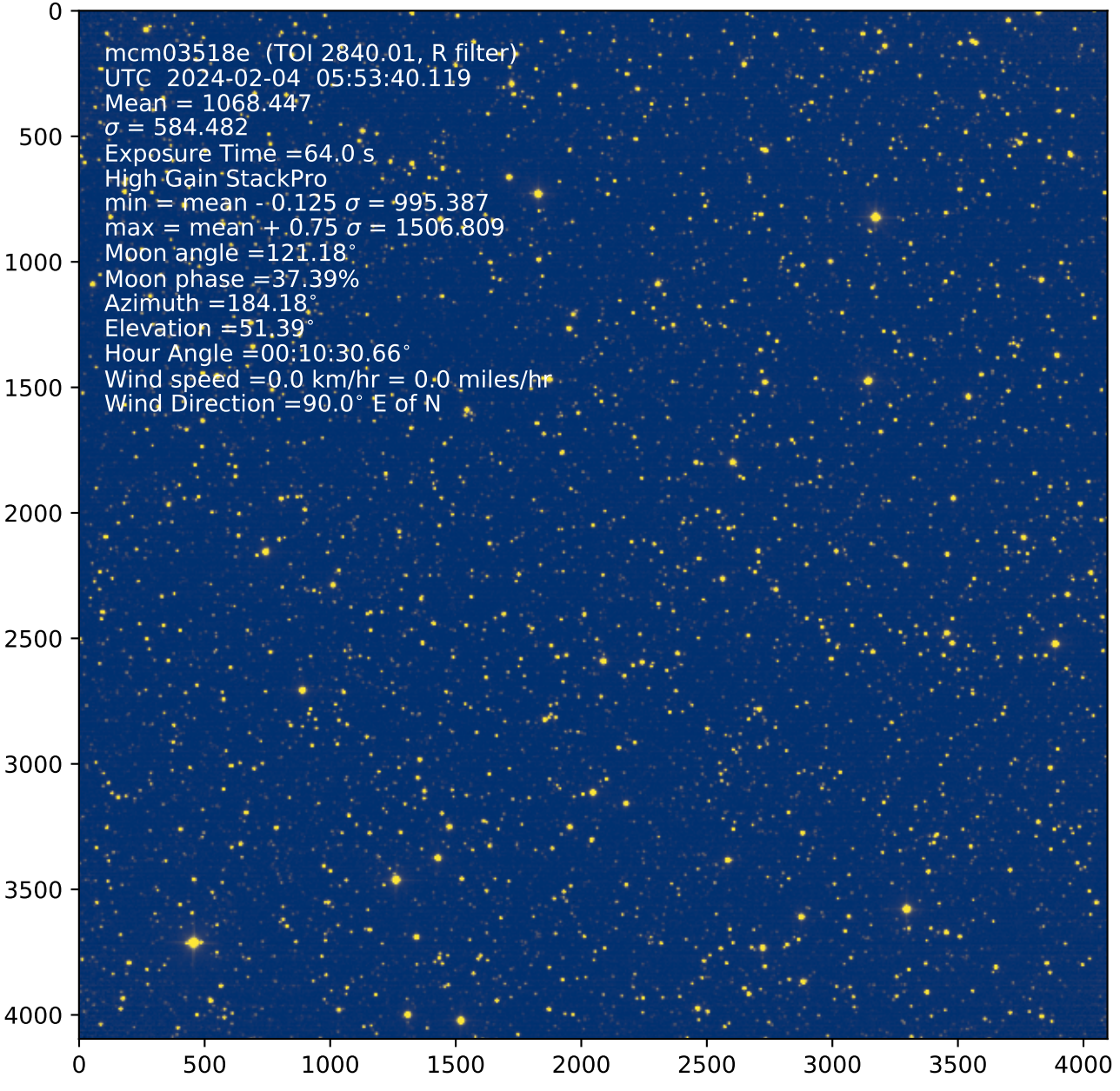

mcm035186 (TOI 2840.01, R filter)
UTC 2024-02-04 05:46:01.320
Mean = 1067.397
σ = 586.381
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.099
max = mean + 0.75 σ = 1507.182
Moon angle =121.11°
Moon phase =37.44%
Azimuth =181.13°
Elevation =51.46°
Hour Angle =00:02:50.40°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

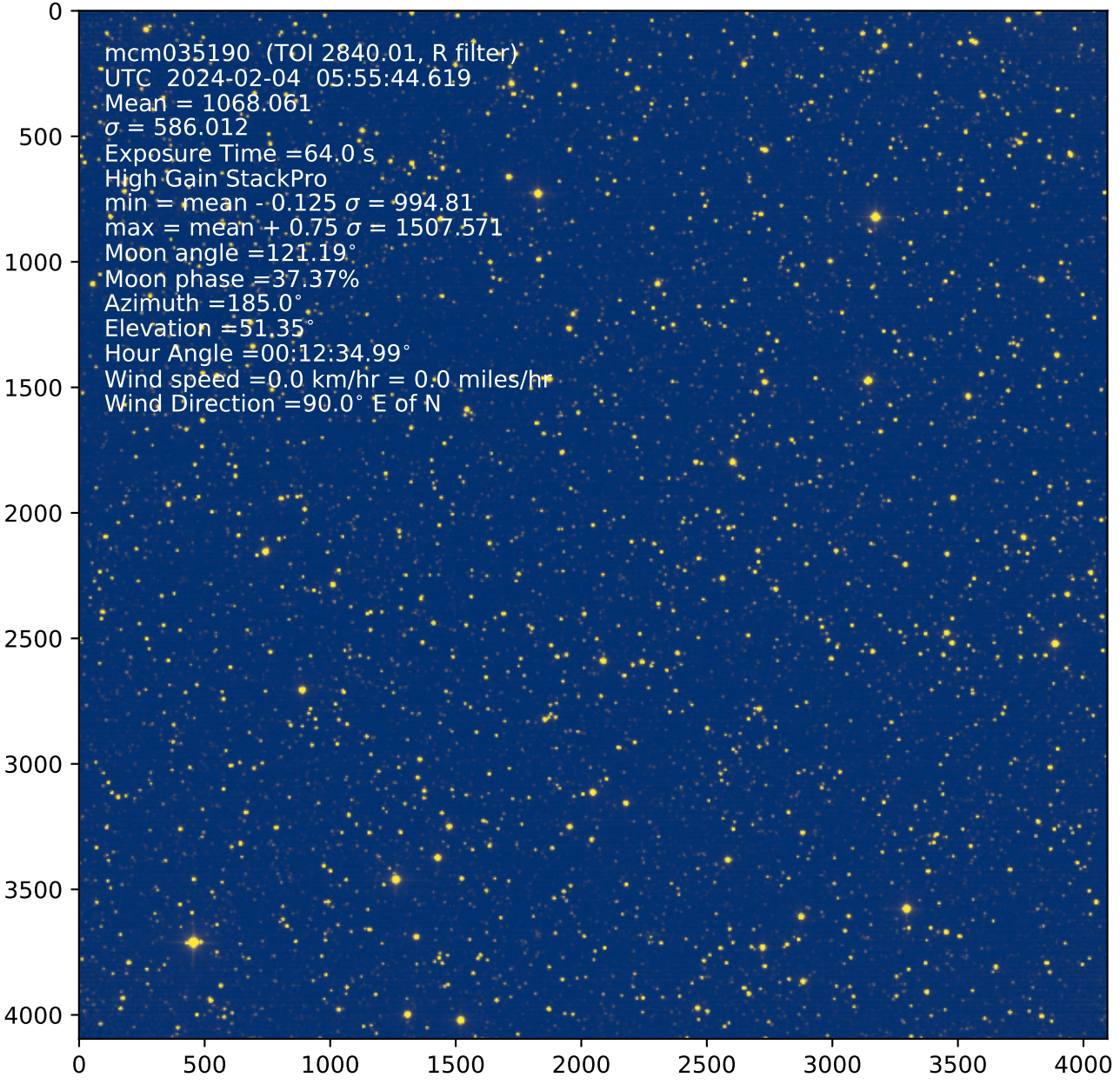

mcm035188 (TOI 2840.01, R filter)
UTC 2024-02-04 05:48:06.089
Mean = 1067.307
σ = 589.361
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 993.637
max = mean + 0.75 σ = 1509.328
Moon angle =121.13°
Moon phase =37.42%
Azimuth =181.96°
Elevation =51.45°
Hour Angle =00:04:55.74°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

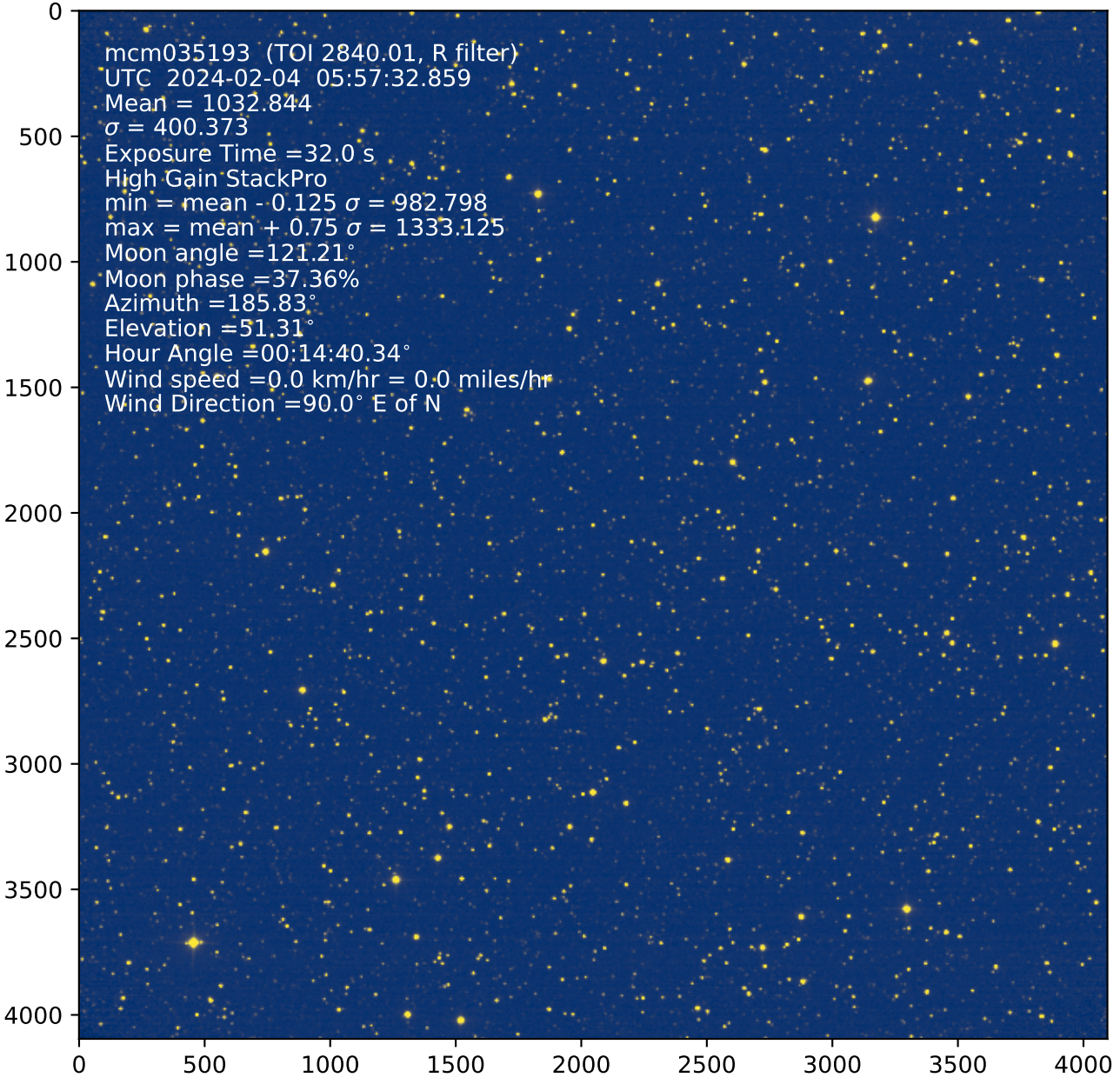

mcm03518a (TOI 2840.01, R filter)
UTC 2024-02-04 05:50:10.570
Mean = 1068.179
σ = 588.863
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.571
max = mean + 0.75 σ = 1509.826
Moon angle =121.15°
Moon phase =37.41%
Azimuth =182.79°
Elevation =51.43°
Hour Angle =00:07:00.08°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

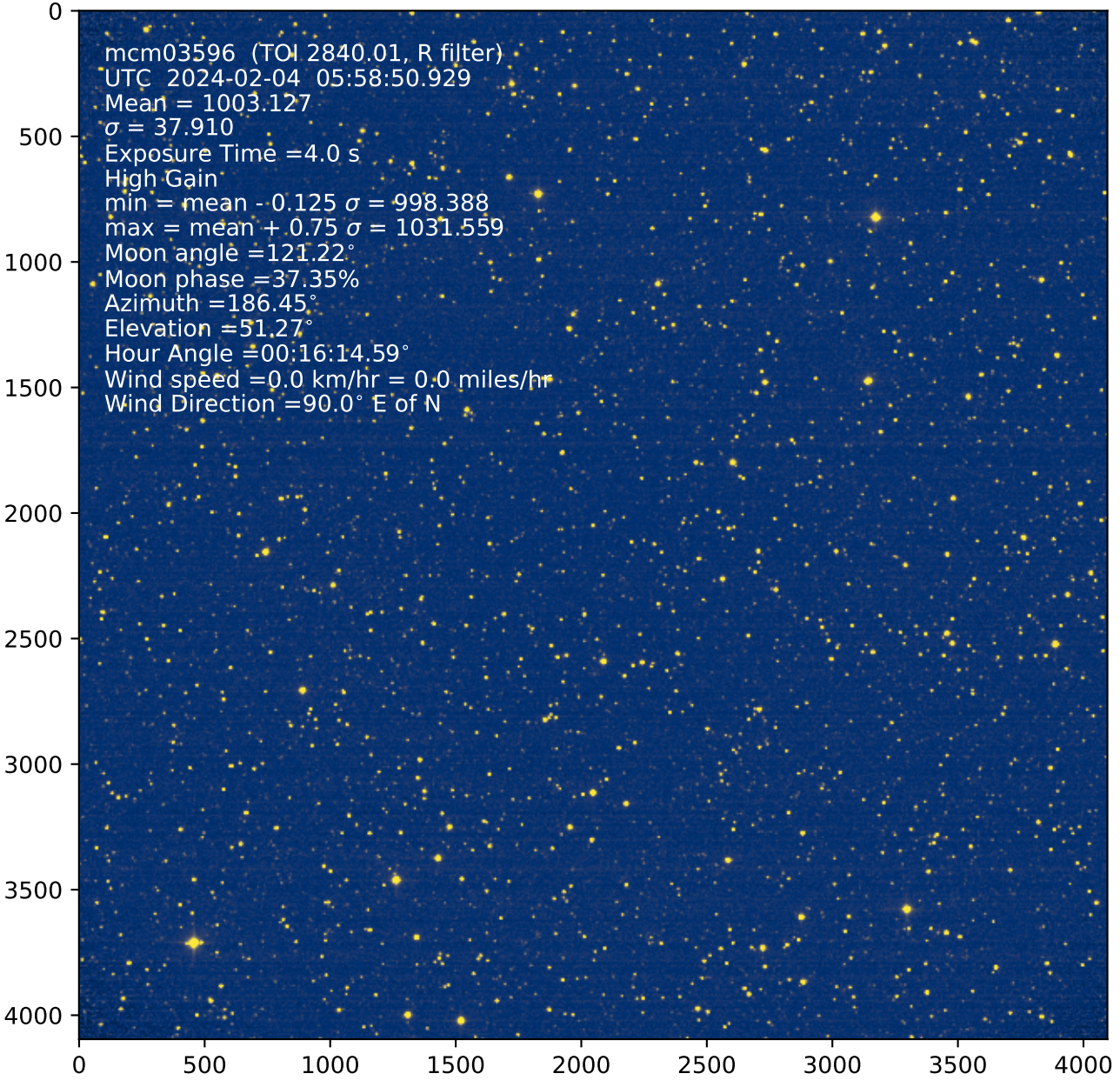

mcm0358f (TOI 2840.01, R filter)
UTC 2024-02-04 05:51:43.780
Mean = 1001.366
σ = 26.119
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.101
max = mean + 0.75 σ = 1020.955
Moon angle =121.16°
Moon phase =37.4%
Azimuth =183.62°
Elevation =51.41°
Hour Angle =00:09:05.42°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

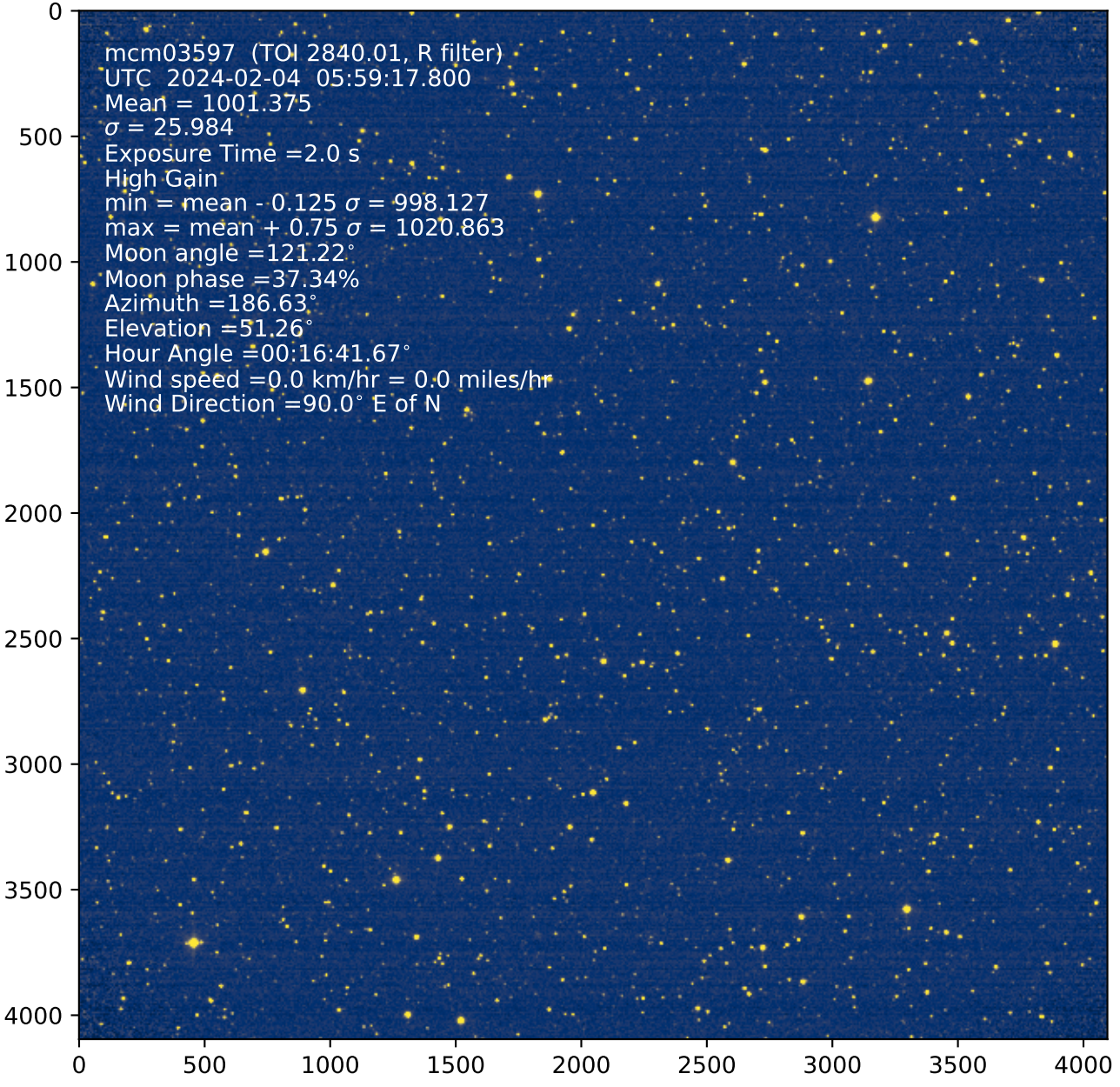

mcm0358e (TOI 2840.01, R filter)
UTC 2024-02-04 05:52:09.019
Mean = 1003.156
σ = 37.977
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.409
max = mean + 0.75 σ = 1031.639
Moon angle =121.17°
Moon phase =37.39%
Azimuth =183.79°
Elevation =51.4°
Hour Angle =00:09:31.49°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

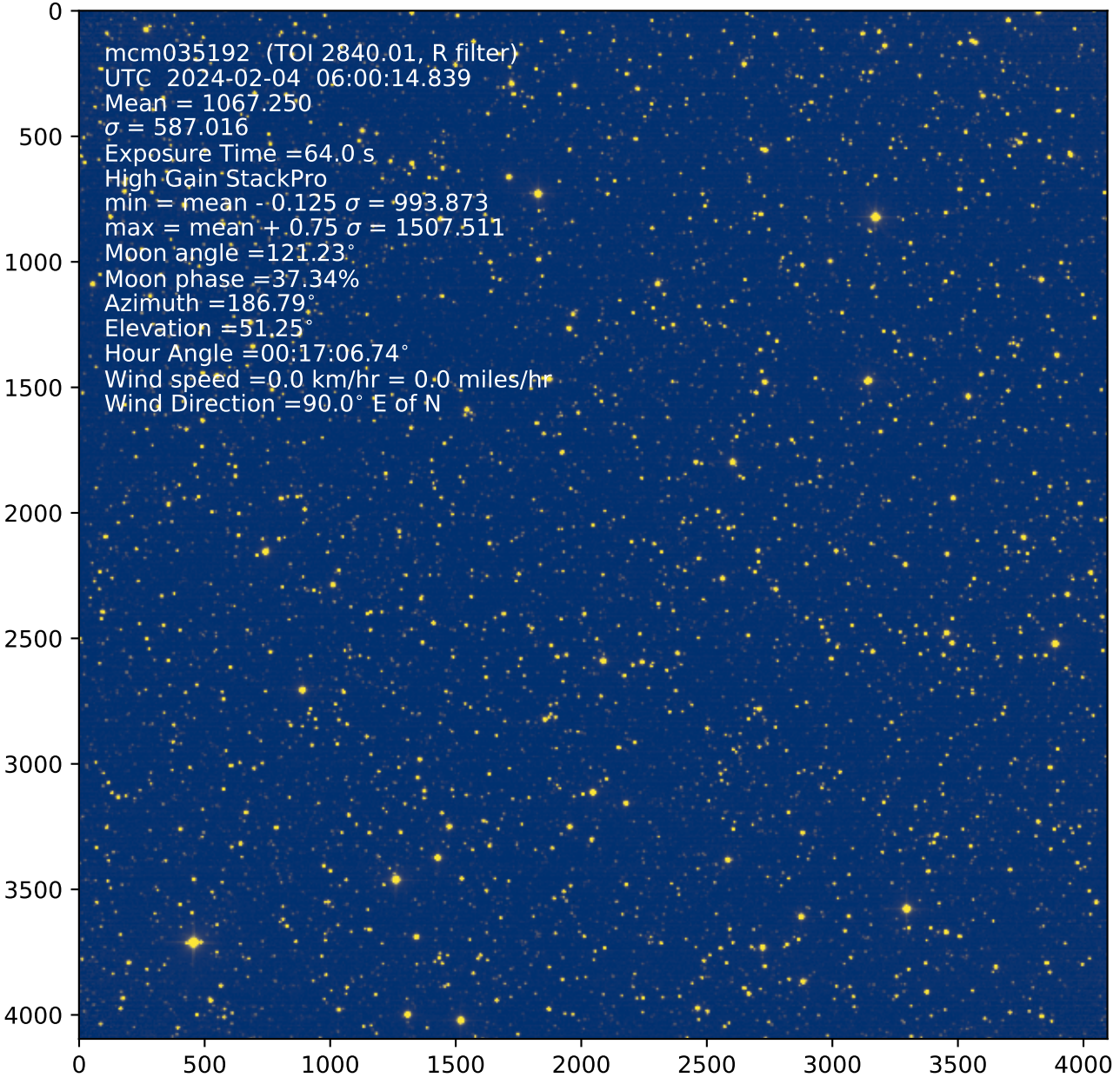

mcm03518e (TOI 2840.01, R filter)
UTC 2024-02-04 05:53:40.119
Mean = 1068.447
σ = 584.482
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.387
max = mean + 0.75 σ = 1506.809
Moon angle =121.18°
Moon phase =37.39%
Azimuth =184.18°
Elevation =51.39°
Hour Angle =00:10:30.66°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

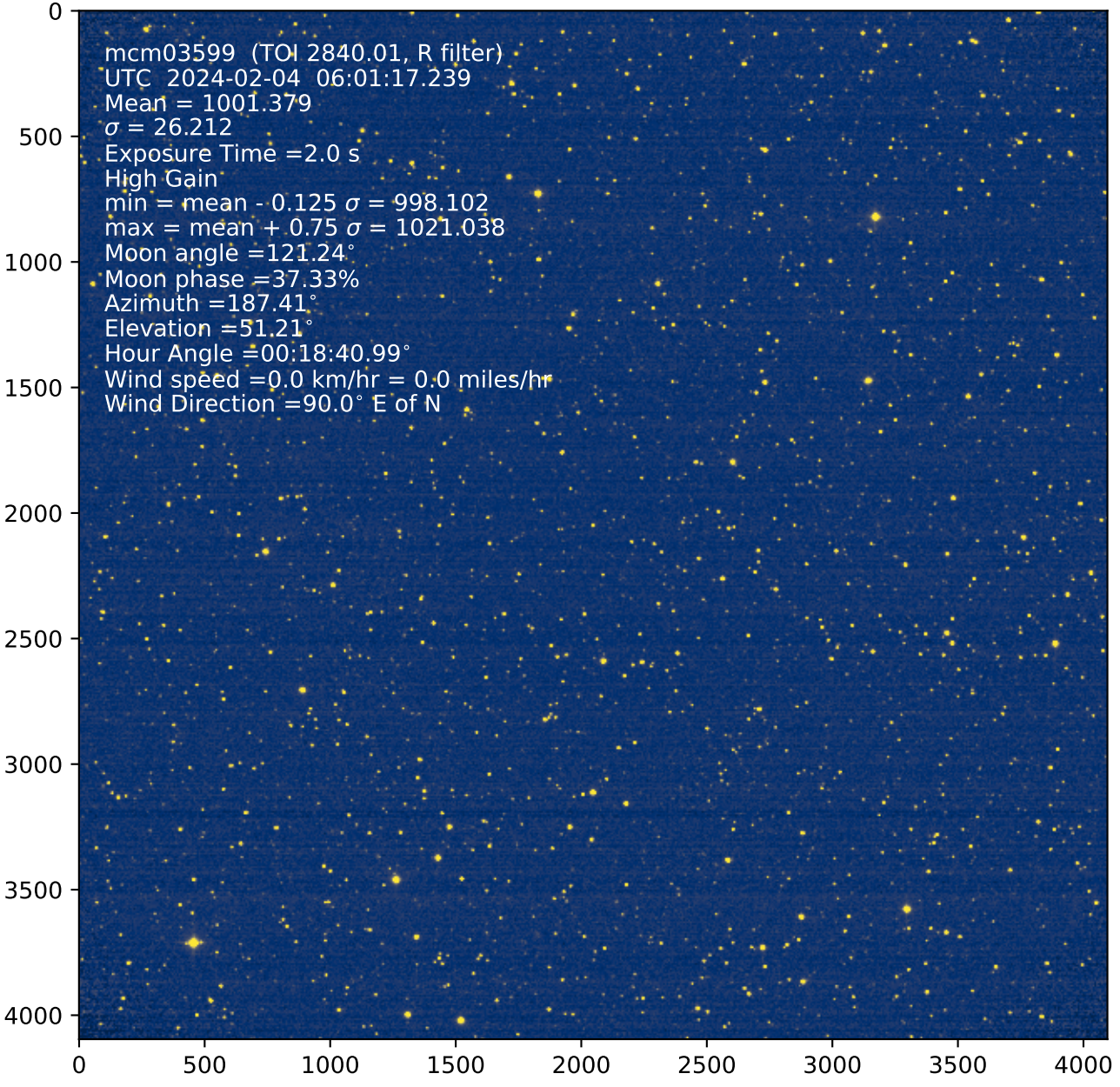

mcm035190 (TOI 2840.01, R filter)
UTC 2024-02-04 05:55:44.619
Mean = 1068.061
σ = 586.012
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.81
max = mean + 0.75 σ = 1507.571
Moon angle =121.19°
Moon phase =37.37%
Azimuth =185.0°
Elevation =51.35°
Hour Angle =00:12:34.99°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

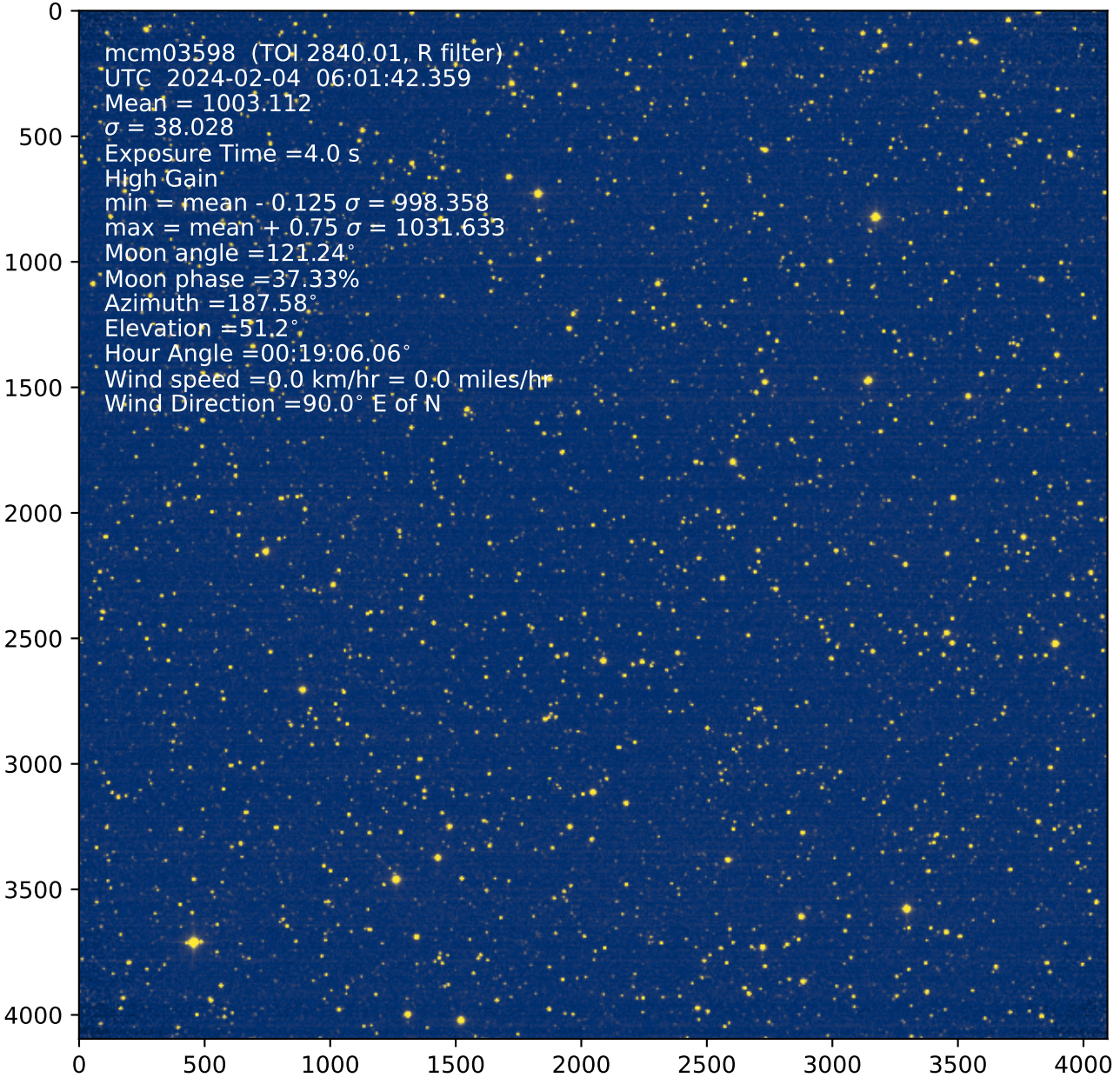

mcm035193 (TOI 2840.01, R filter)
UTC 2024-02-04 05:57:32.859
Mean = 1032.844
σ = 400.373
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.798
max = mean + 0.75 σ = 1333.125
Moon angle =121.21°
Moon phase =37.36%
Azimuth =185.83°
Elevation =51.31°
Hour Angle =00:14:40.34°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

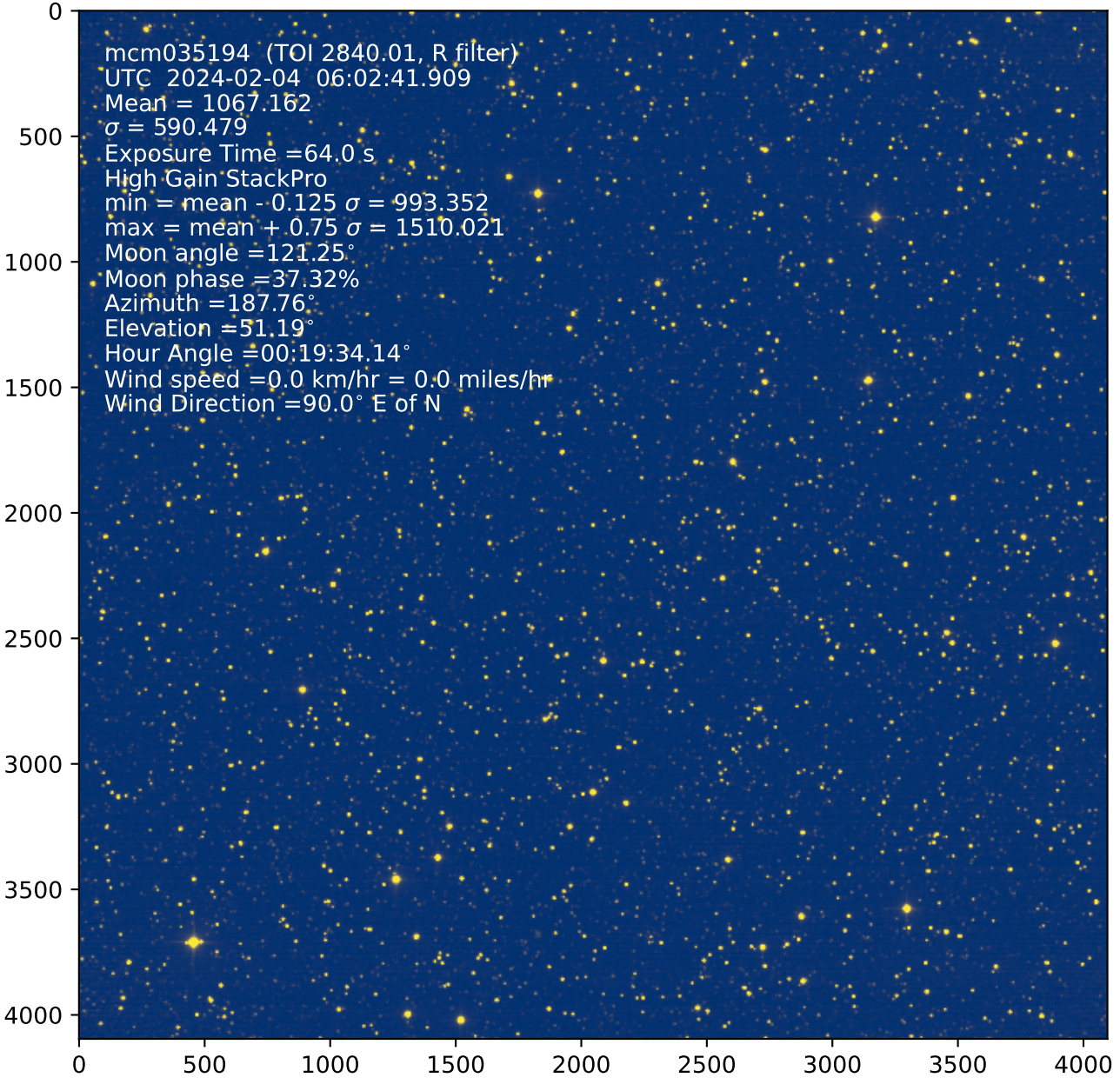

mcm03596 (TOI 2840.01, R filter)
UTC 2024-02-04 05:58:50.929
Mean = 1003.127
σ = 37.910
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.388
max = mean + 0.75 σ = 1031.559
Moon angle =121.22°
Moon phase =37.35%
Azimuth =186.45°
Elevation =51.27°
Hour Angle =00:16:14.59°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

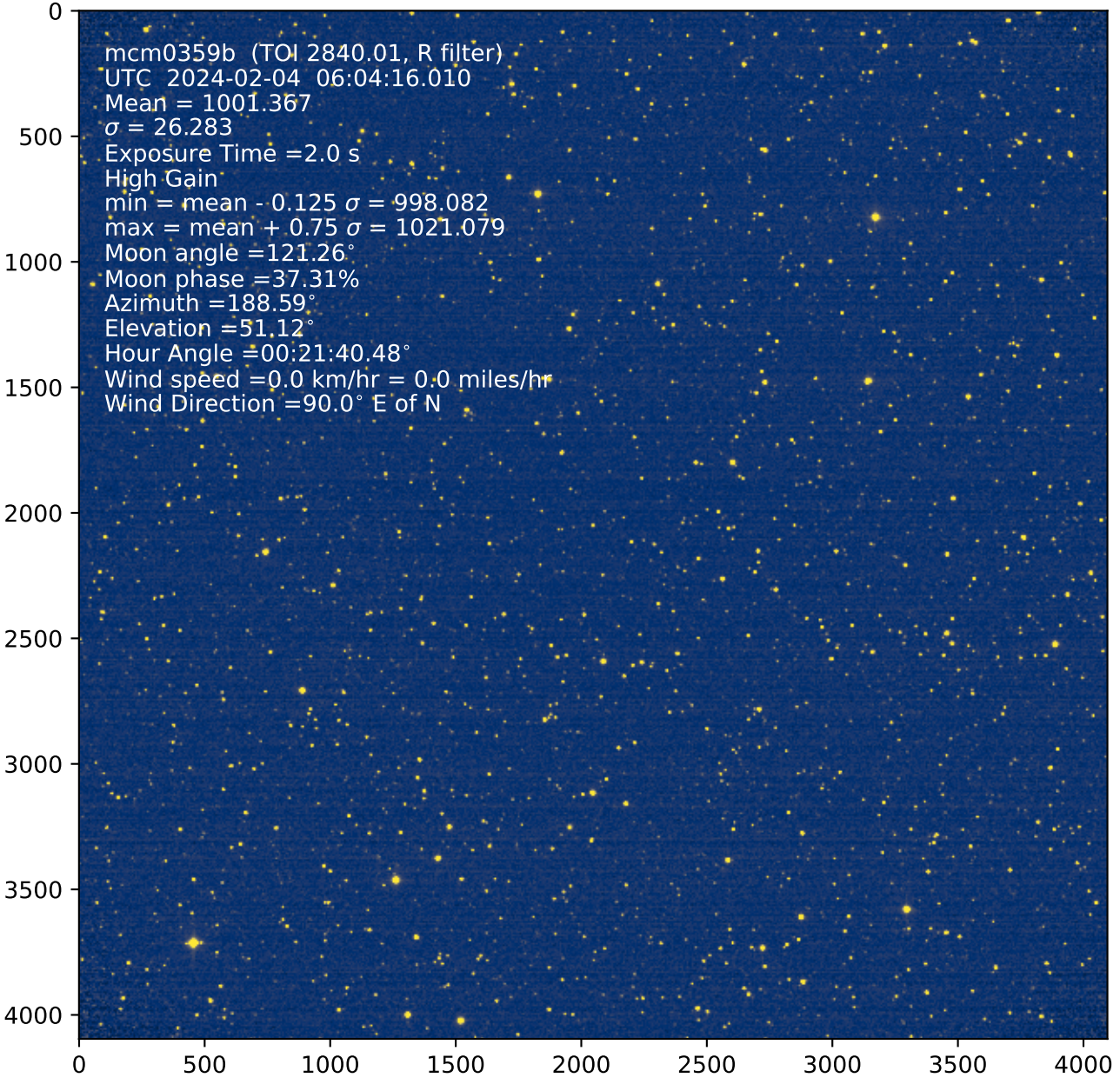

mcm03597 (TOI 2840.01, R filter)
UTC 2024-02-04 05:59:17.800
Mean = 1001.375
σ = 25.984
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.127
max = mean + 0.75 σ = 1020.863
Moon angle =121.22°
Moon phase =37.34%
Azimuth =186.63°
Elevation =51.26°
Hour Angle =00:16:41.67°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

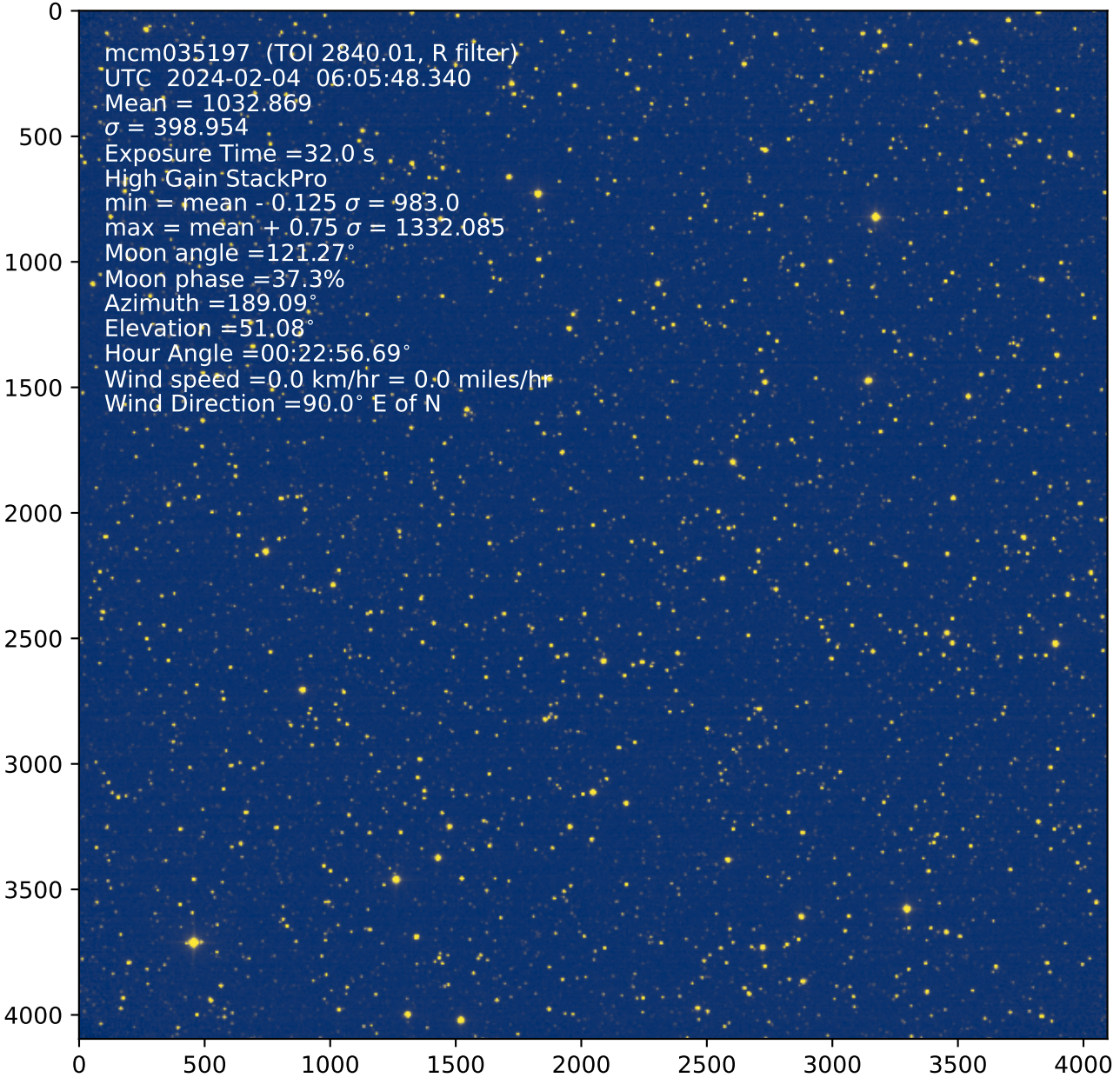

mcm035192 (TOI 2840.01, R filter)
UTC 2024-02-04 06:00:14.839
Mean = 1067.250
σ = 587.016
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 993.873
max = mean + 0.75 σ = 1507.511
Moon angle =121.23°
Moon phase =37.34%
Azimuth =186.79°
Elevation =51.25°
Hour Angle =00:17:06.74°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

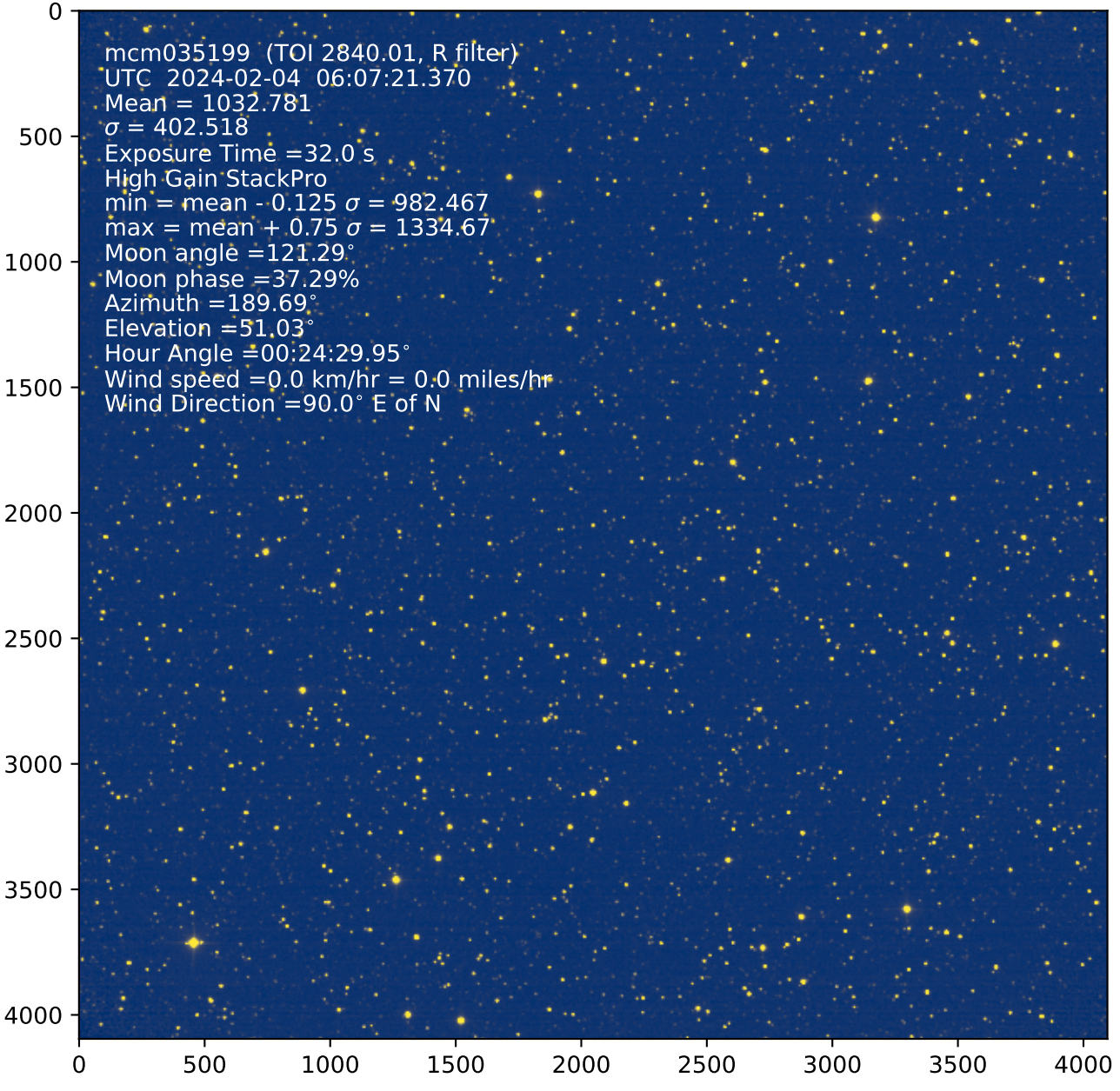

mcm03599 (TOI 2840.01, R filter)
UTC 2024-02-04 06:01:17.239
Mean = 1001.379
σ = 26.212
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.102
max = mean + 0.75 σ = 1021.038
Moon angle =121.24°
Moon phase =37.33%
Azimuth =187.41°
Elevation =51.21°
Hour Angle =00:18:40.99°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

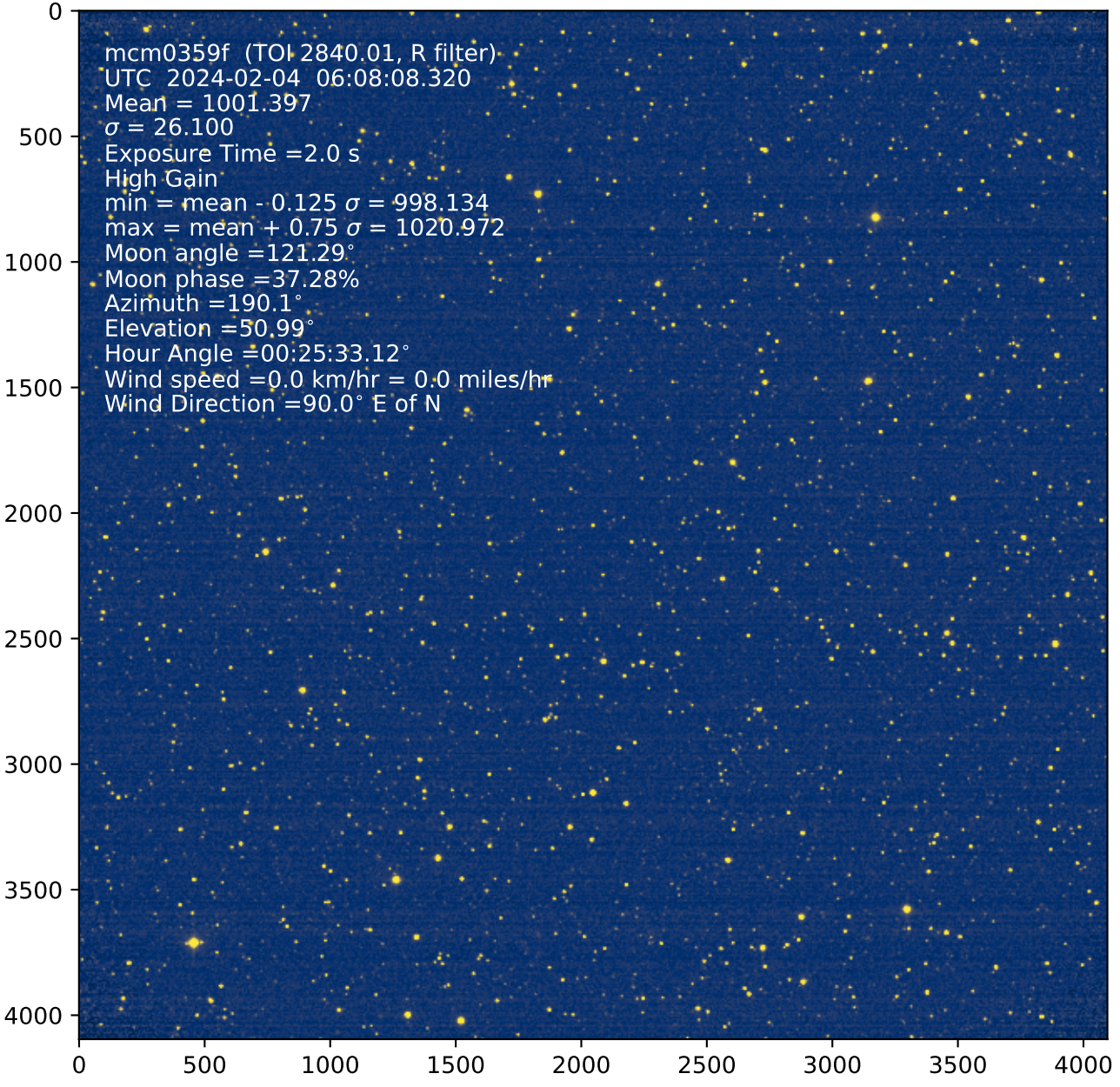

mcm03598 (TOI 2840.01, R filter)
UTC 2024-02-04 06:01:42.359
Mean = 1003.112
σ = 38.028
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.358
max = mean + 0.75 σ = 1031.633
Moon angle =121.24°
Moon phase =37.33%
Azimuth =187.58°
Elevation =51.2°
Hour Angle =00:19:06.06°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

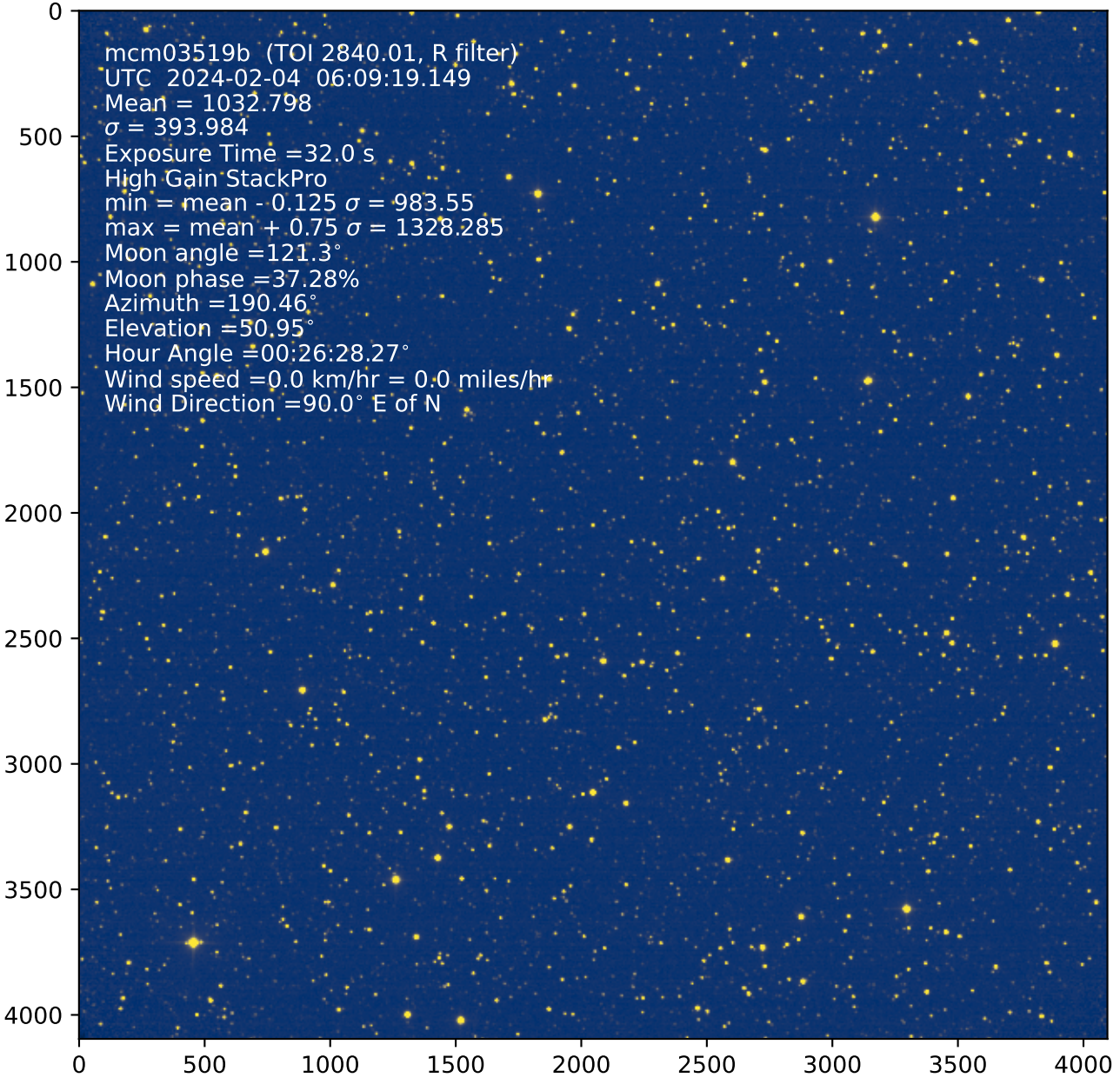

mcm035194 (TOI 2840.01, R filter)
UTC 2024-02-04 06:02:41.909
Mean = 1067.162
σ = 590.479
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 993.352
max = mean + 0.75 σ = 1510.021
Moon angle =121.25°
Moon phase =37.32%
Azimuth =187.76°
Elevation =51.19°
Hour Angle =00:19:34.14°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

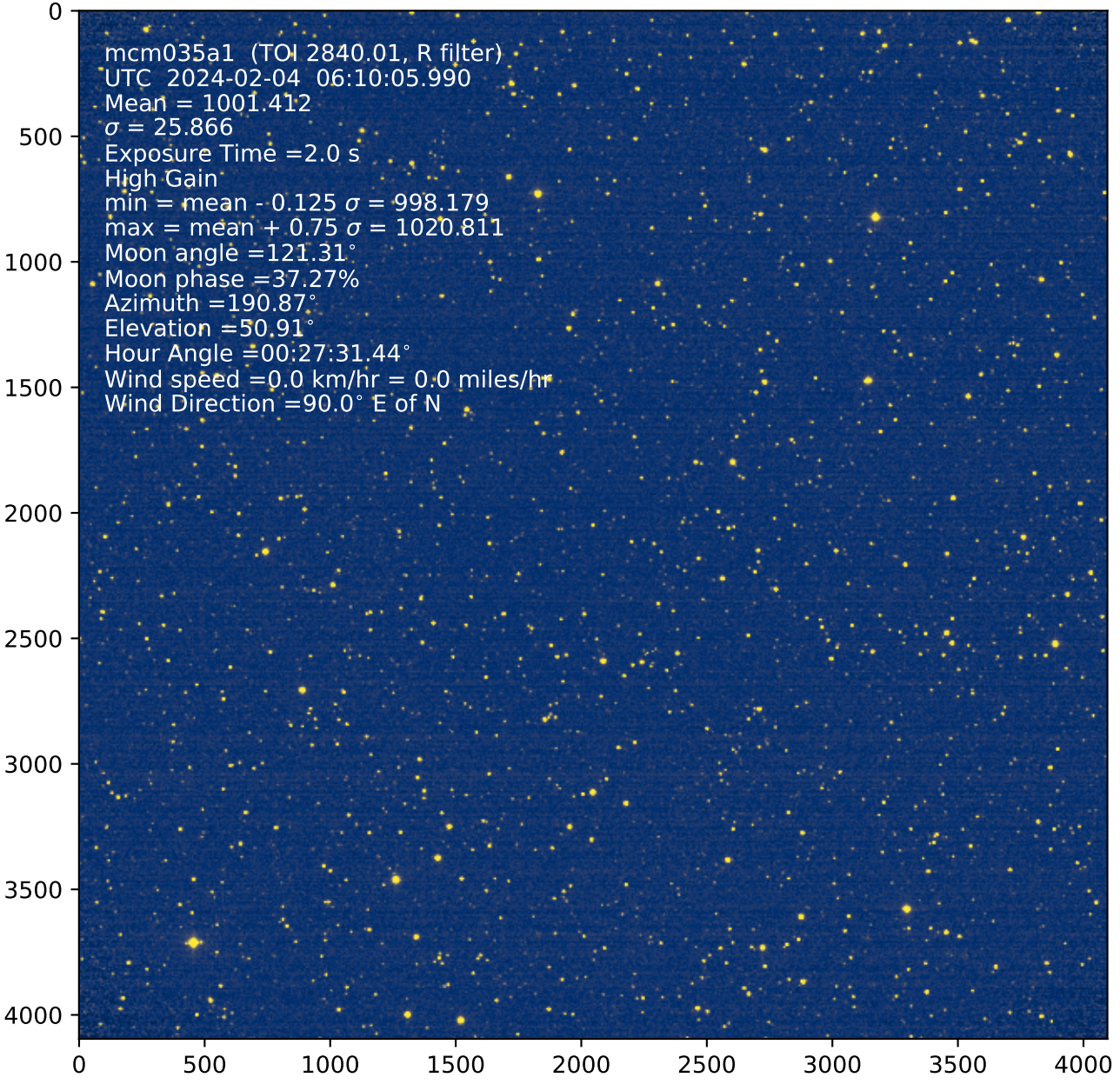

mcm0359b (TOI 2840.01, R filter)
UTC 2024-02-04 06:04:16.010
Mean = 1001.367
σ = 26.283
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.082
max = mean + 0.75 σ = 1021.079
Moon angle =121.26°
Moon phase =37.31%
Azimuth =188.59°
Elevation =51.12°
Hour Angle =00:21:40.48°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

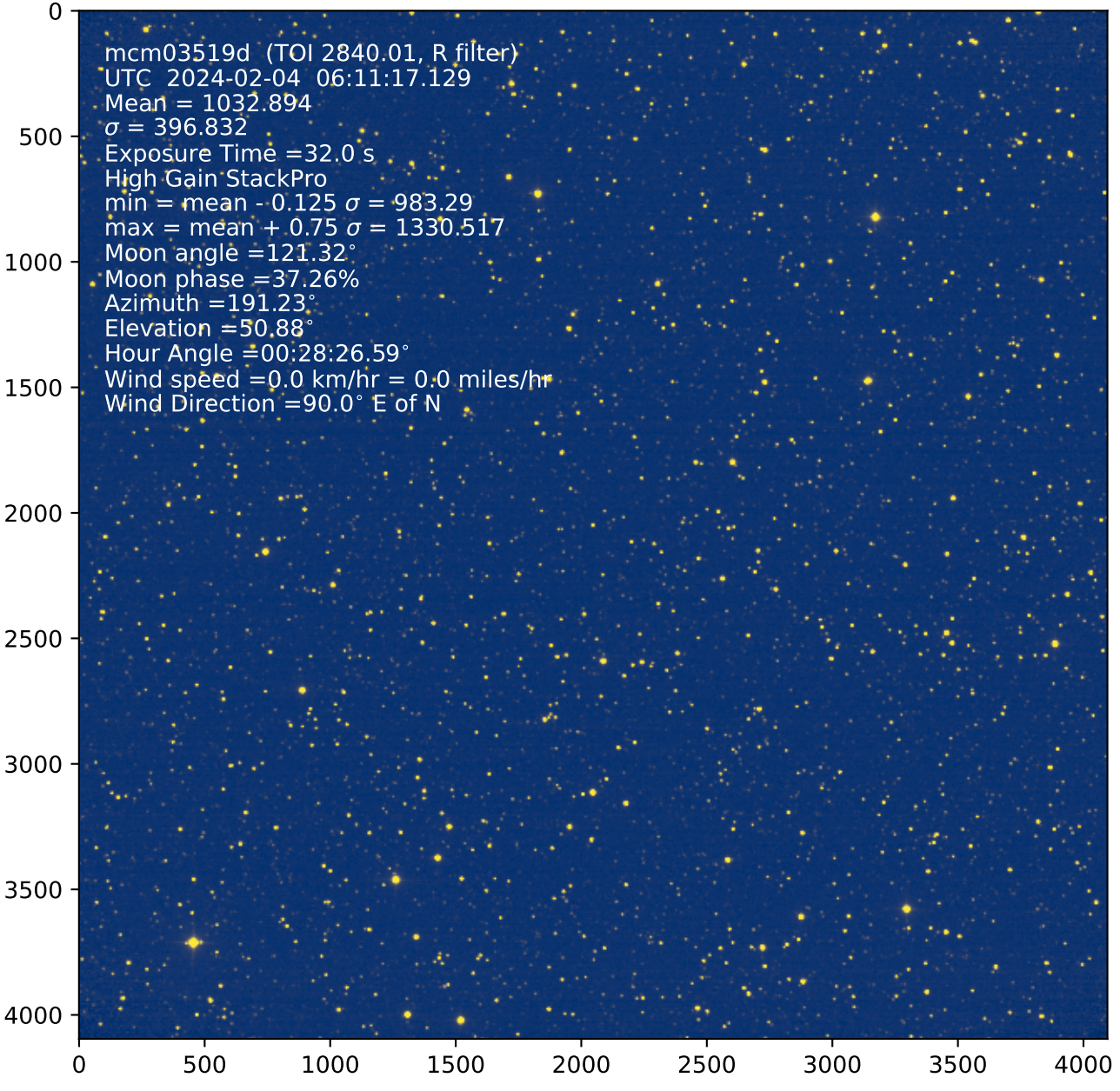

mcm035197 (TOI 2840.01, R filter)
UTC 2024-02-04 06:05:48.340
Mean = 1032.869
σ = 398.954
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.0
max = mean + 0.75 σ = 1332.085
Moon angle =121.27°
Moon phase =37.3%
Azimuth =189.09°
Elevation =51.08°
Hour Angle =00:22:56.69°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

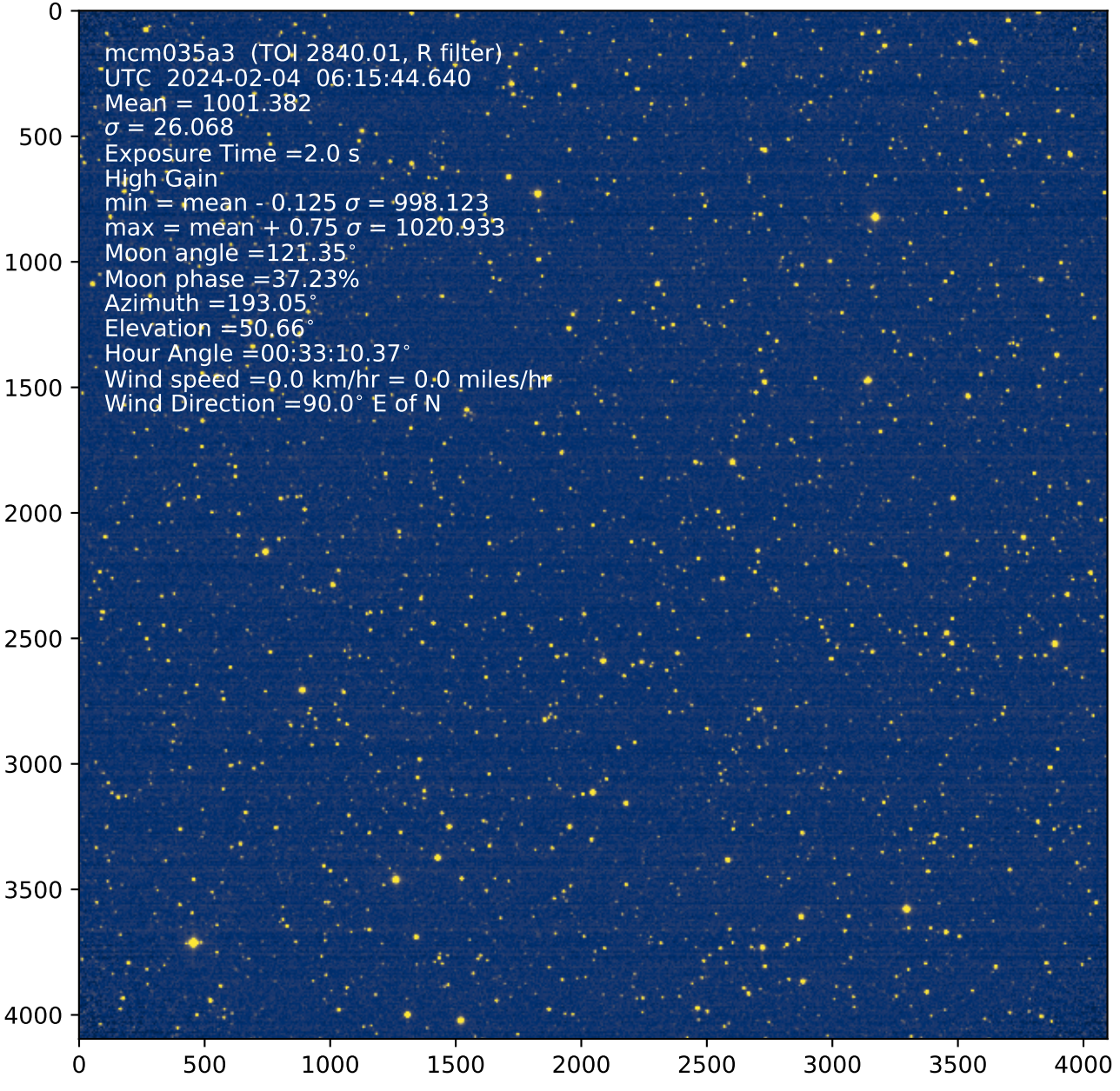

mcm035199 (TOI 2840.01, R filter)
UTC 2024-02-04 06:07:21.370
Mean = 1032.781
σ = 402.518
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.467
max = mean + 0.75 σ = 1334.67
Moon angle =121.29°
Moon phase =37.29%
Azimuth =189.69°
Elevation =51.03°
Hour Angle =00:24:29.95°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

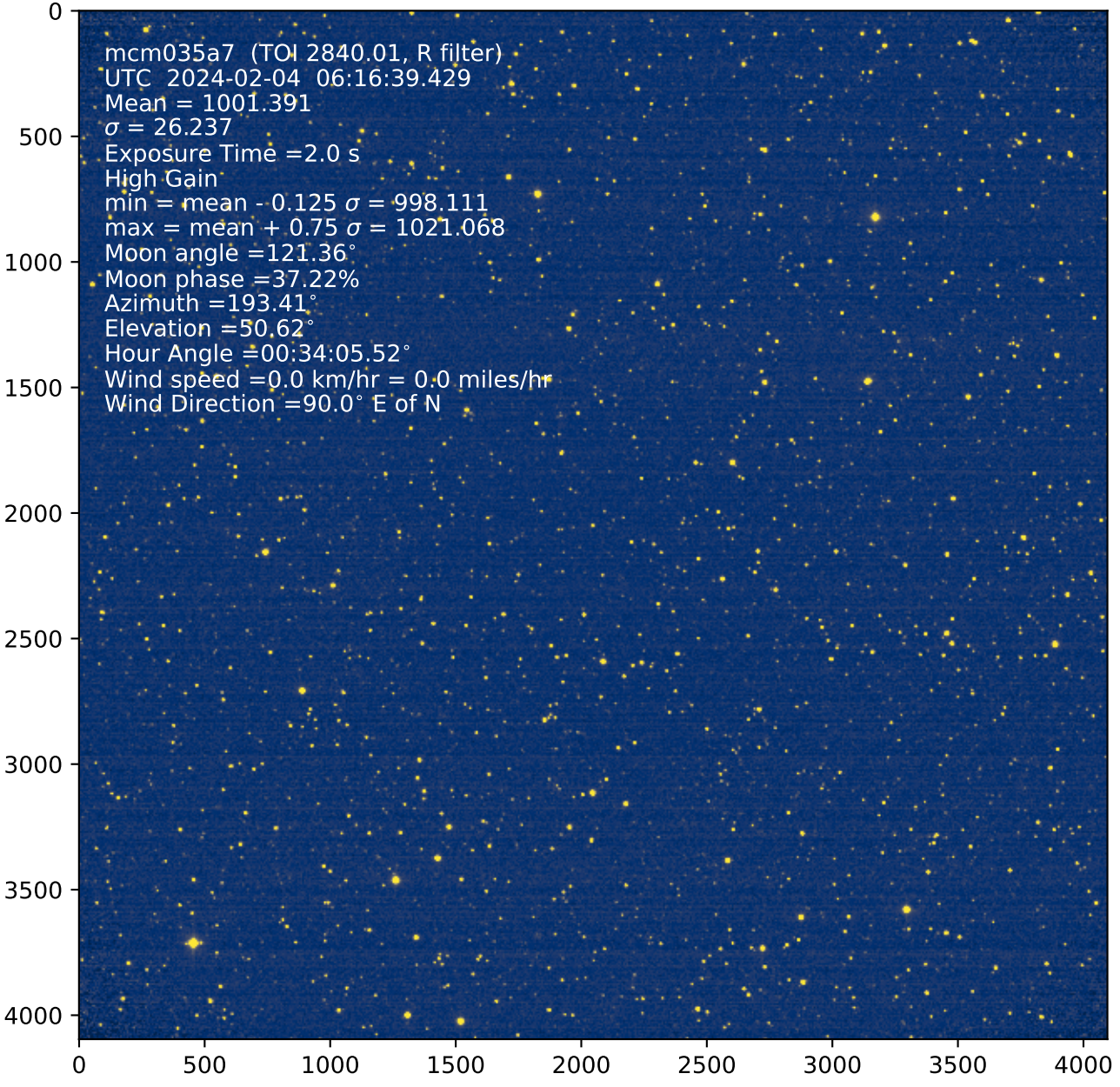

mcm0359f (TOI 2840.01, R filter)
UTC 2024-02-04 06:08:08.320
Mean = 1001.397
σ = 26.100
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.134
max = mean + 0.75 σ = 1020.972
Moon angle =121.29°
Moon phase =37.28%
Azimuth =190.1°
Elevation =50.99°
Hour Angle =00:25:33.12°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

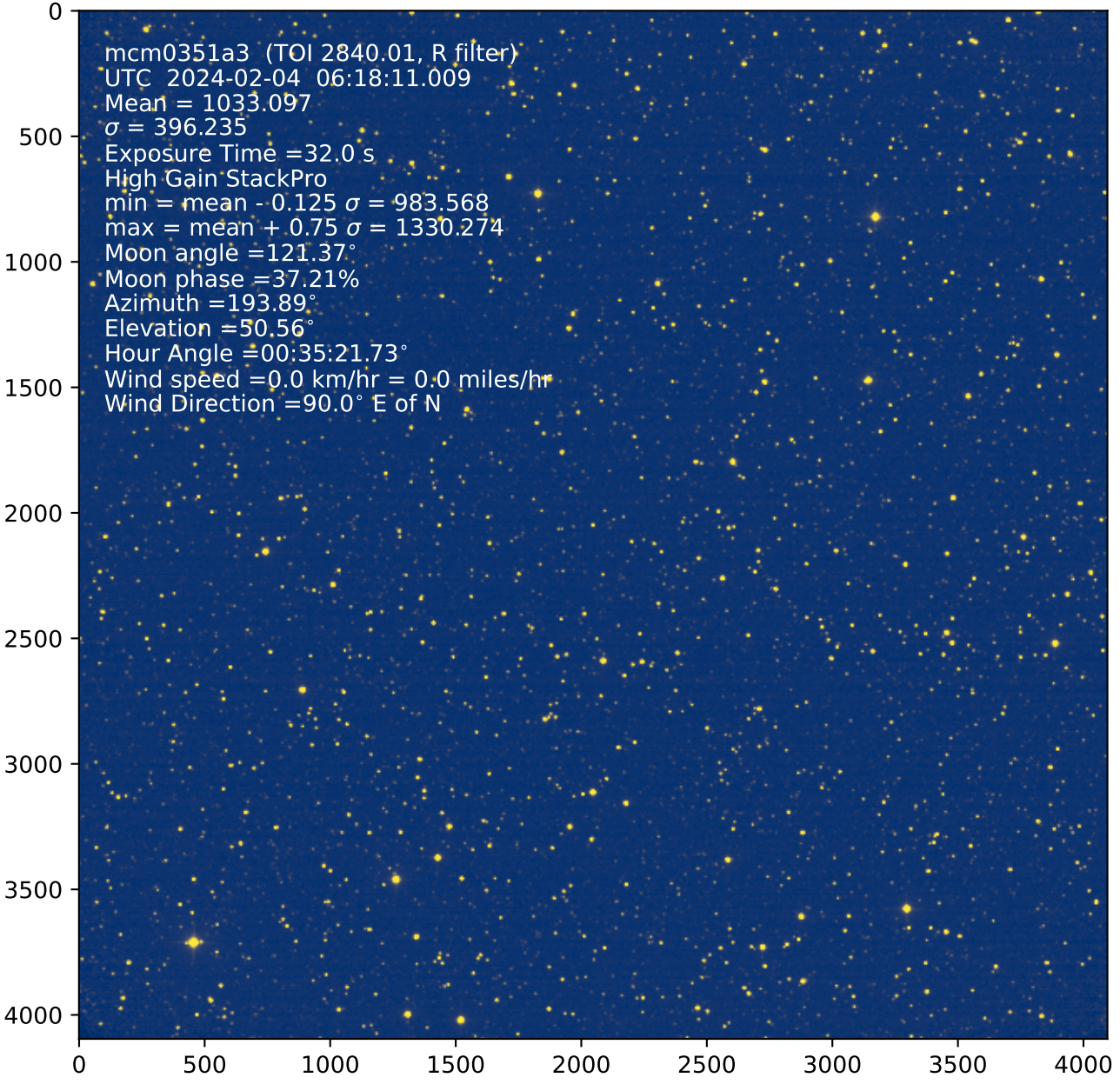

mcm03519b (TOI 2840.01, R filter)
UTC 2024-02-04 06:09:19.149
Mean = 1032.798
σ = 393.984
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.55
max = mean + 0.75 σ = 1328.285
Moon angle =121.3°
Moon phase =37.28%
Azimuth =190.46°
Elevation =50.95°
Hour Angle =00:26:28.27°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

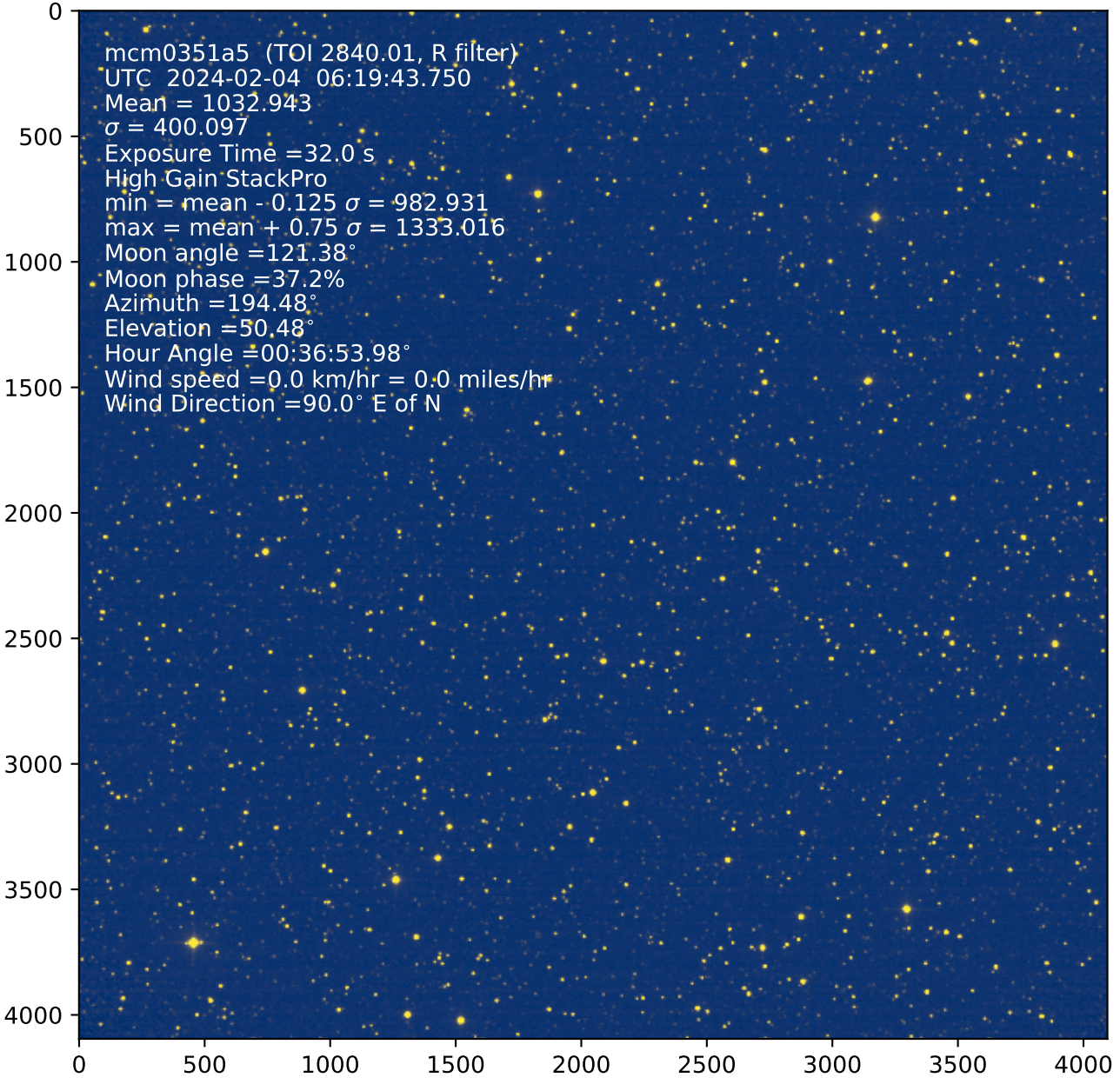

mcm035a1 (TOI 2840.01, R filter)
UTC 2024-02-04 06:10:05.990
Mean = 1001.412
σ = 25.866
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.179
max = mean + 0.75 σ = 1020.811
Moon angle =121.31°
Moon phase =37.27%
Azimuth =190.87°
Elevation =50.91°
Hour Angle =00:27:31.44°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

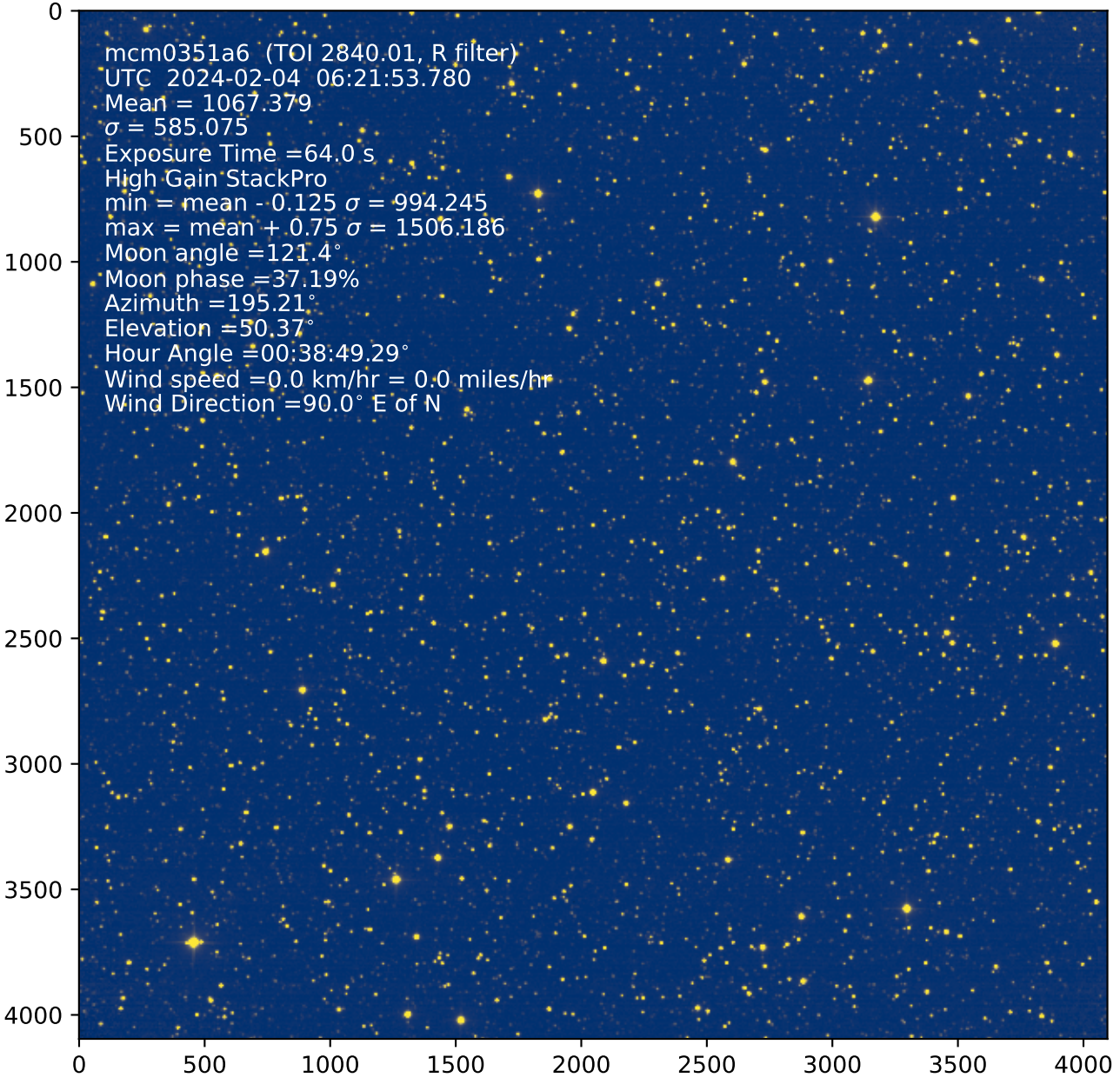

mcm03519d (TOI 2840.01, R filter)
UTC 2024-02-04 06:11:17.129
Mean = 1032.894
σ = 396.832
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.29
max = mean + 0.75 σ = 1330.517
Moon angle =121.32°
Moon phase =37.26%
Azimuth =191.23°
Elevation =50.88°
Hour Angle =00:28:26.59°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

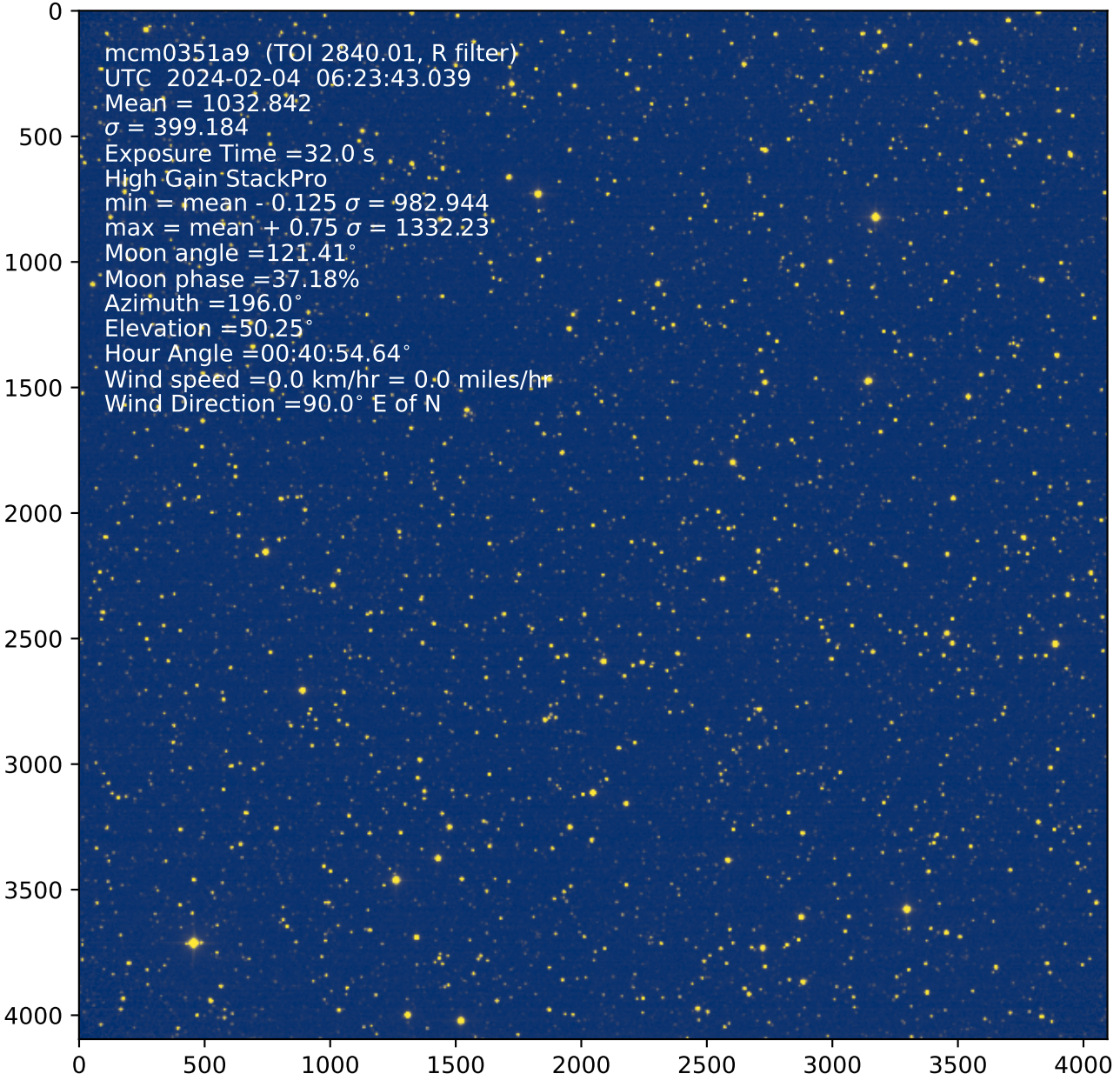

mcm035a3 (TOI 2840.01, R filter)
UTC 2024-02-04 06:15:44.640
Mean = 1001.382
σ = 26.068
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.123
max = mean + 0.75 σ = 1020.933
Moon angle =121.35°
Moon phase =37.23%
Azimuth =193.05°
Elevation =50.66°
Hour Angle =00:33:10.37°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

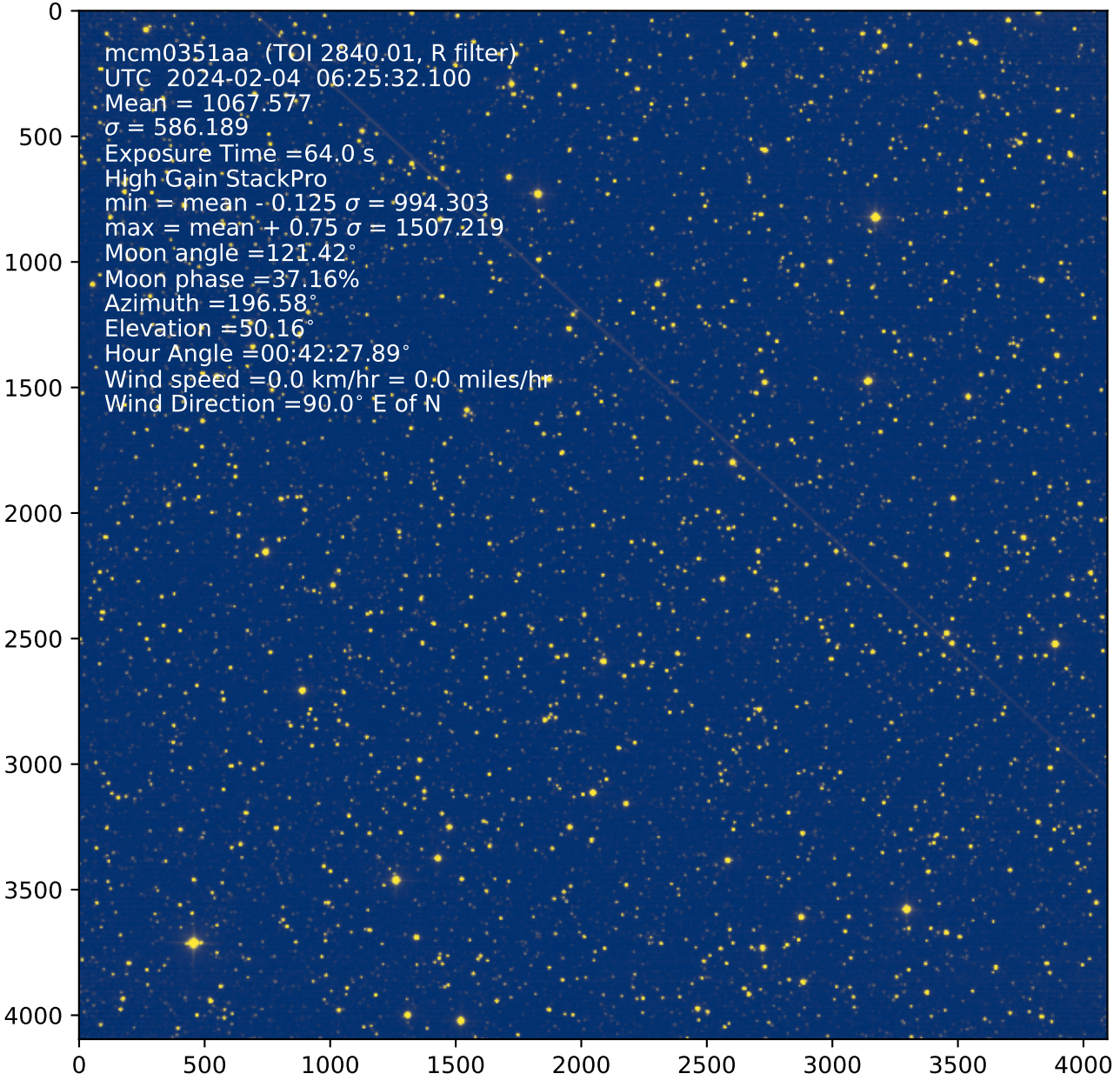

mcm035a7 (TOI 2840.01, R filter)
UTC 2024-02-04 06:16:39.429
Mean = 1001.391
σ = 26.237
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.111
max = mean + 0.75 σ = 1021.068
Moon angle =121.36°
Moon phase =37.22%
Azimuth =193.41°
Elevation =50.62°
Hour Angle =00:34:05.52°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

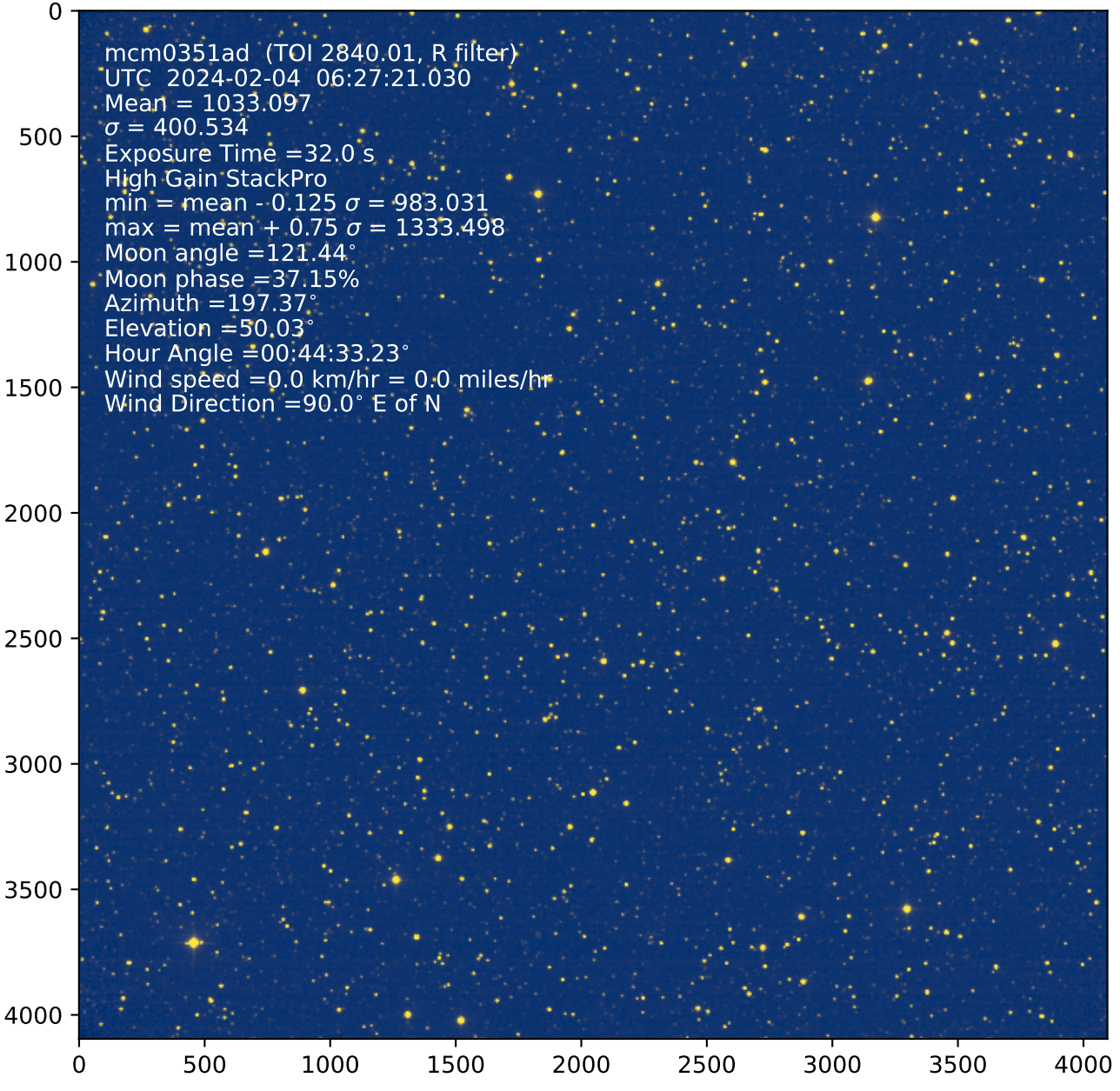

mcm0351a3 (TOI 2840.01, R filter)
UTC 2024-02-04 06:18:11.009
Mean = 1033.097
σ = 396.235
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.568
max = mean + 0.75 σ = 1330.274
Moon angle =121.37°
Moon phase =37.21%
Azimuth =193.89°
Elevation =50.56°
Hour Angle =00:35:21.73°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

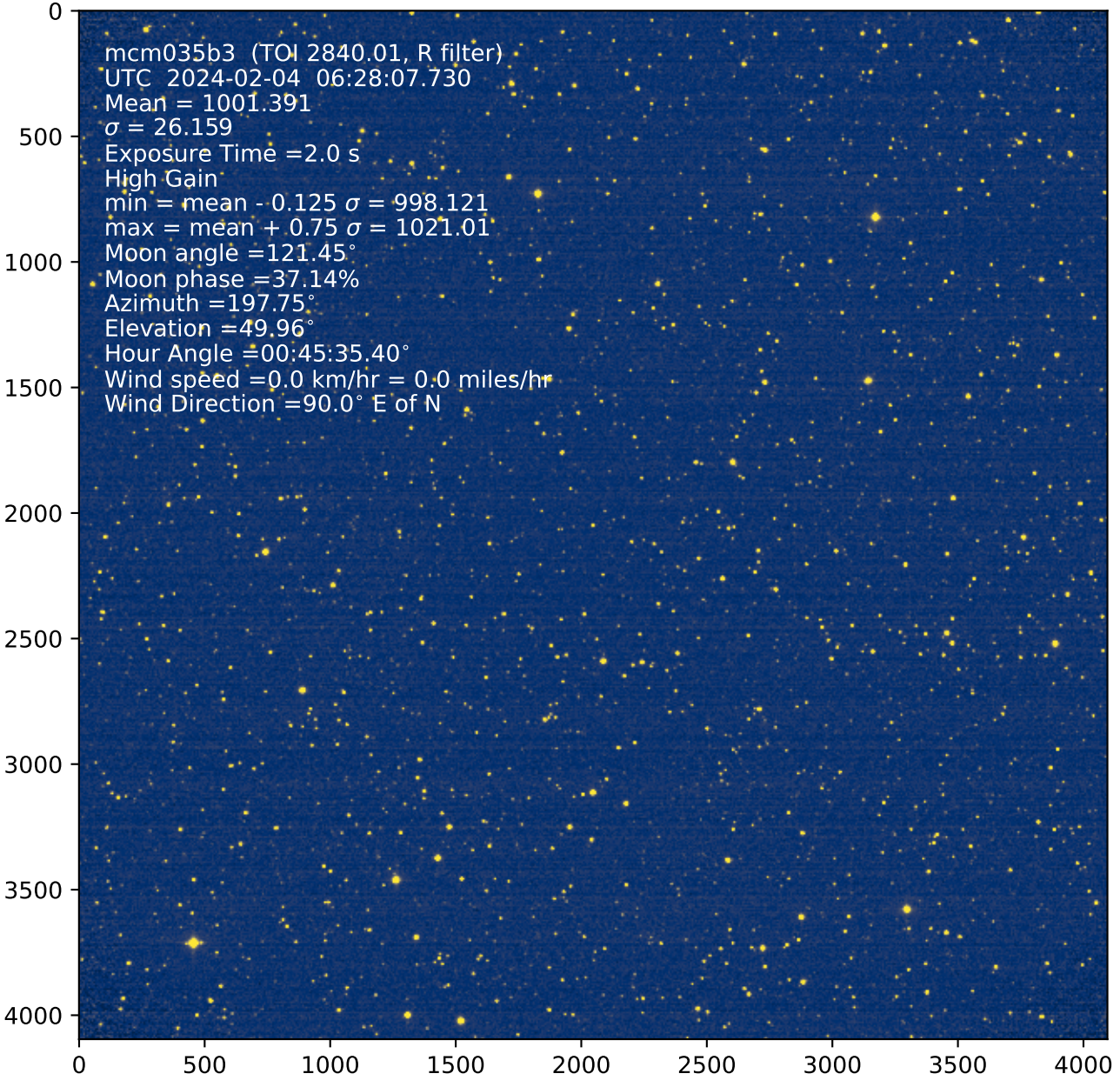

mcm0351a5 (TOI 2840.01, R filter)
UTC 2024-02-04 06:19:43.750
Mean = 1032.943
σ = 400.097
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.931
max = mean + 0.75 σ = 1333.016
Moon angle =121.38°
Moon phase =37.2%
Azimuth =194.48°
Elevation =50.48°
Hour Angle =00:36:53.98°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

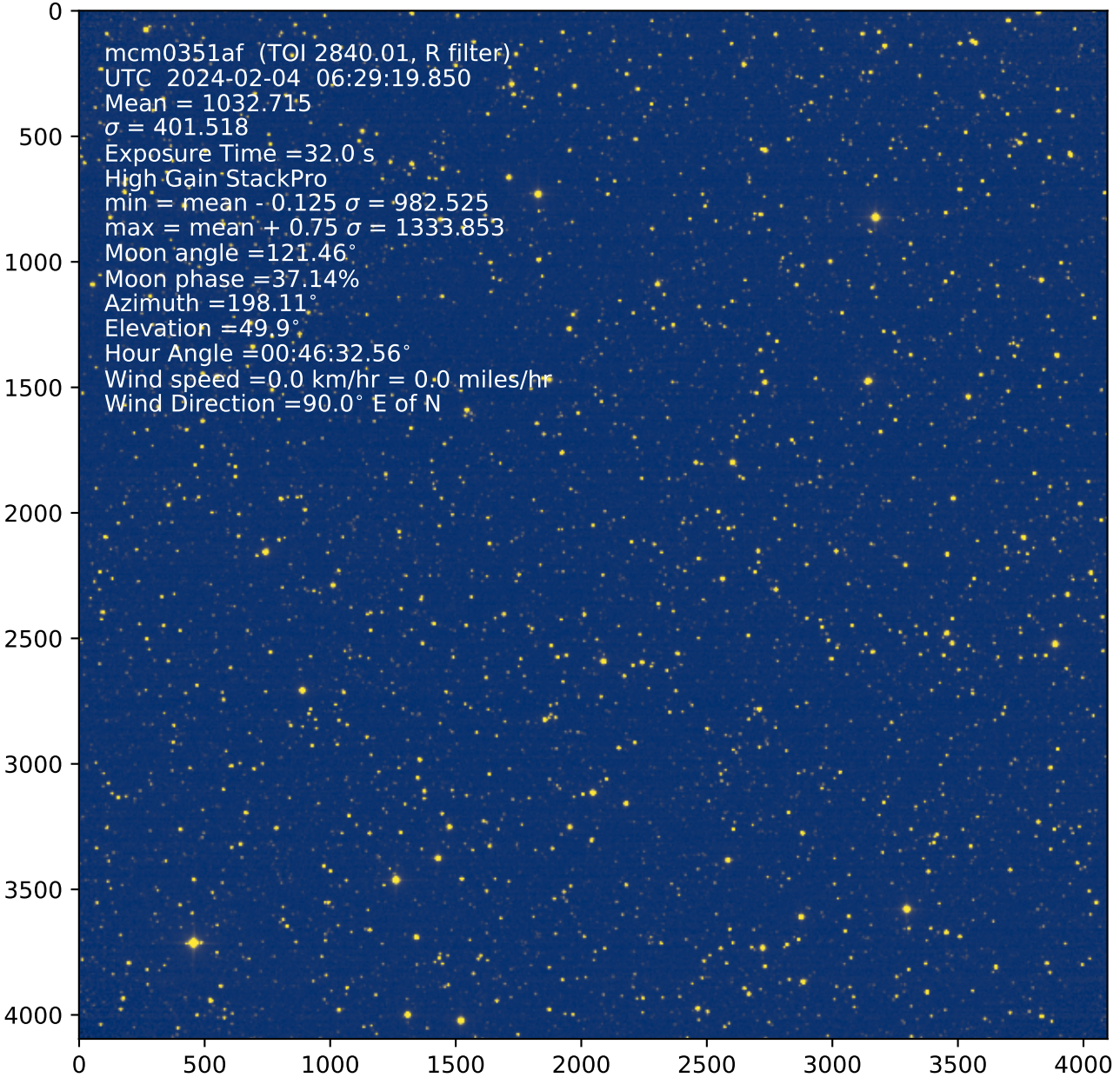

mcm0351a6 (TOI 2840.01, R filter)
UTC 2024-02-04 06:21:53.780
Mean = 1067.379
σ = 585.075
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.245
max = mean + 0.75 σ = 1506.186
Moon angle =121.4°
Moon phase =37.19%
Azimuth =195.21°
Elevation =50.37°
Hour Angle =00:38:49.29°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

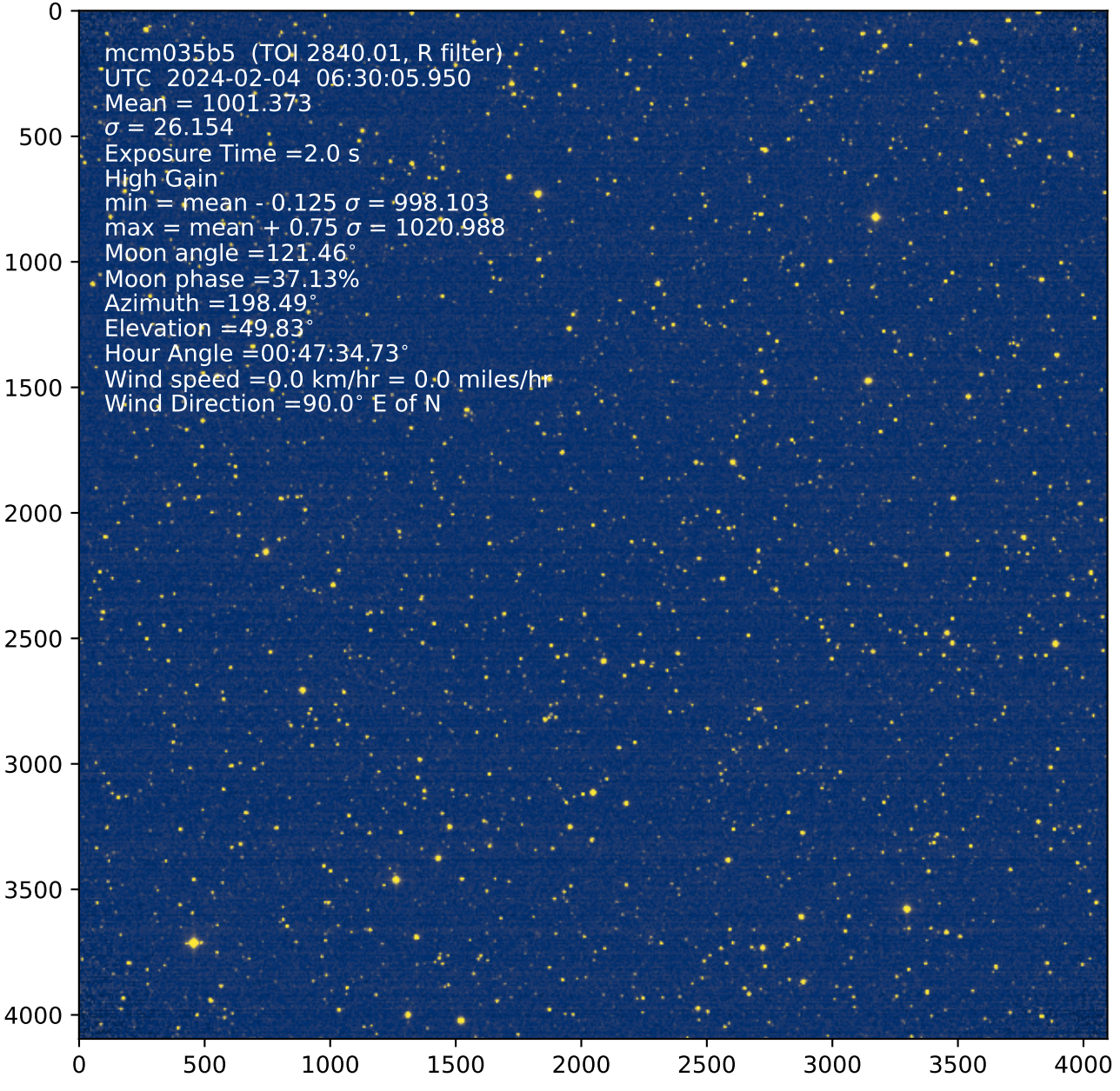

mcm0351a9 (TOI 2840.01, R filter)
UTC 2024-02-04 06:23:43.039
Mean = 1032.842
σ = 399.184
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.944
max = mean + 0.75 σ = 1332.23
Moon angle =121.41°
Moon phase =37.18%
Azimuth =196.0°
Elevation =50.25°
Hour Angle =00:40:54.64°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

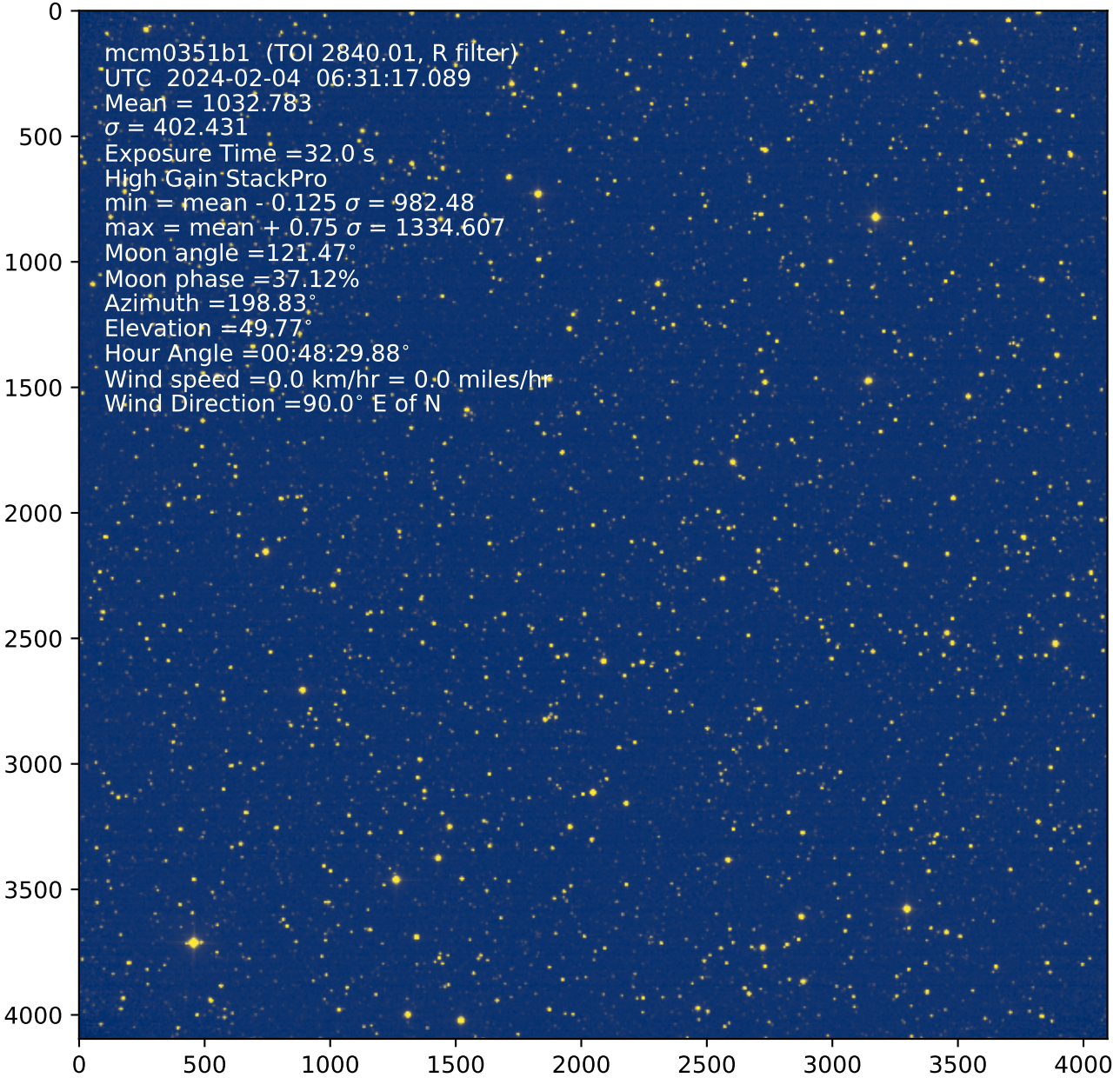

mcm0351aa (TOI 2840.01, R filter)
UTC 2024-02-04 06:25:32.100
Mean = 1067.577
σ = 586.189
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.303
max = mean + 0.75 σ = 1507.219
Moon angle =121.42°
Moon phase =37.16%
Azimuth =196.58°
Elevation =50.16°
Hour Angle =00:42:27.89°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

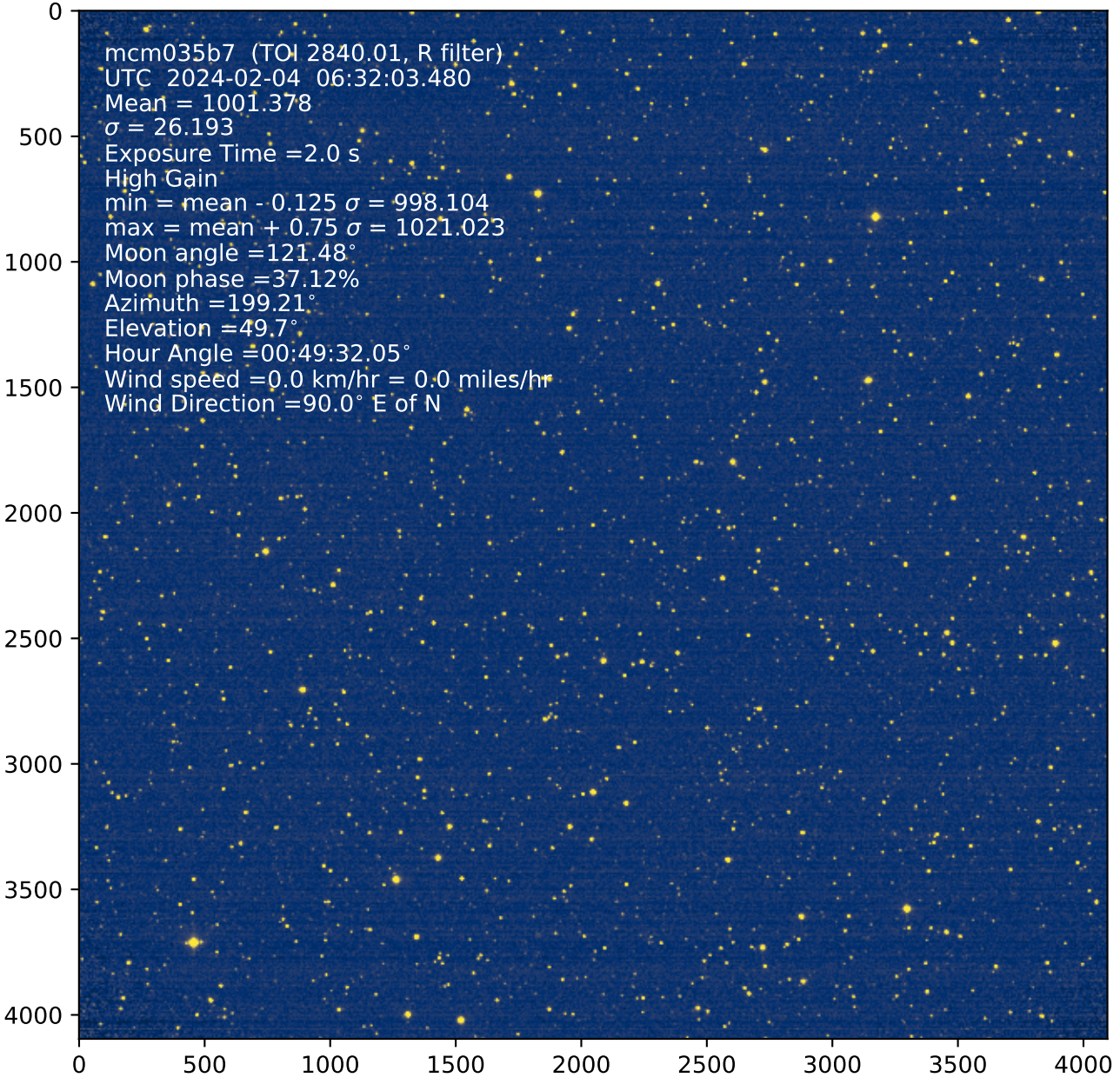

mcm0351ad (TOI 2840.01, R filter)
UTC 2024-02-04 06:27:21.030
Mean = 1033.097
σ = 400.534
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.031
max = mean + 0.75 σ = 1333.498
Moon angle =121.44°
Moon phase =37.15%
Azimuth =197.37°
Elevation =50.03°
Hour Angle =00:44:33.23°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

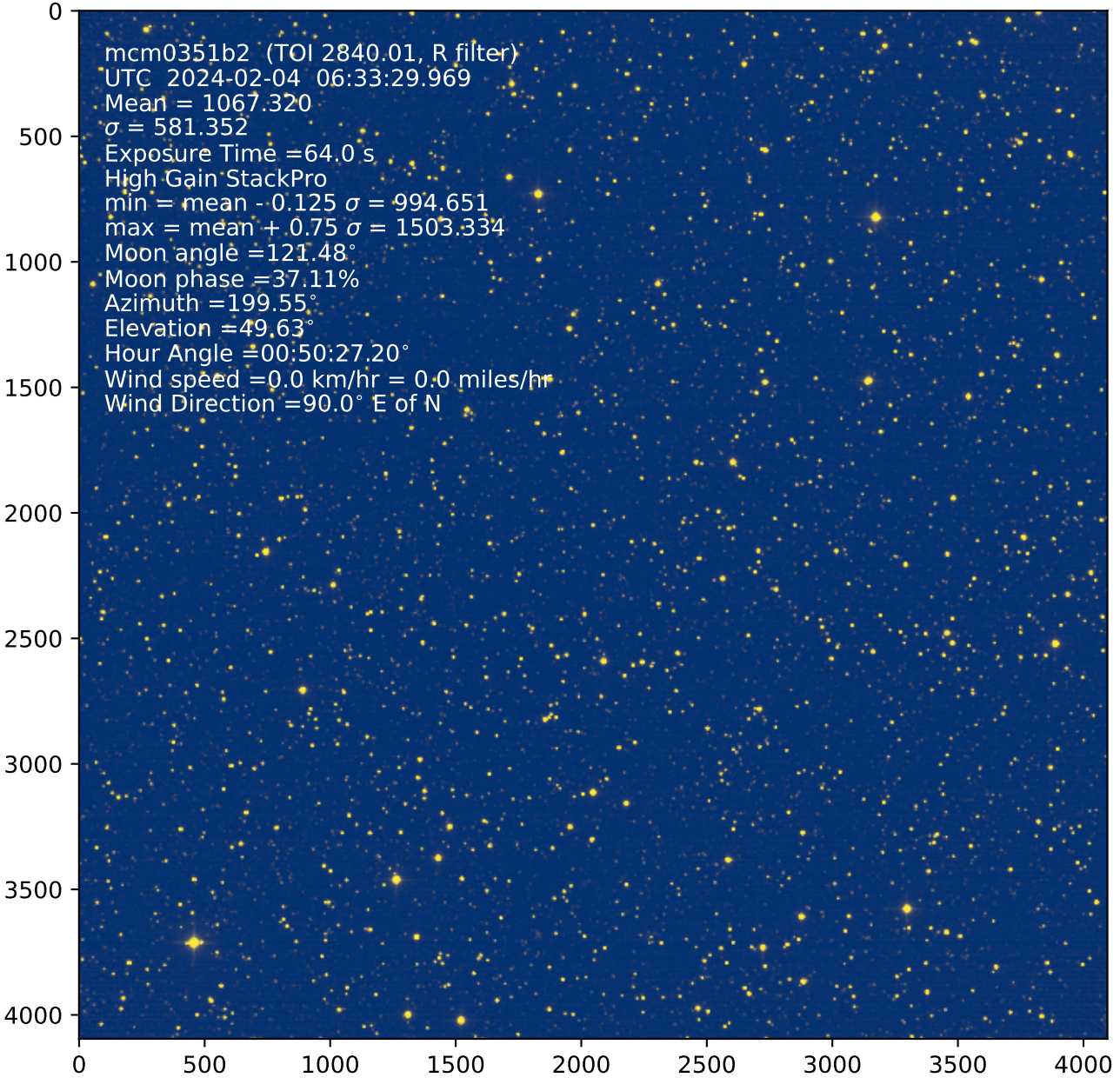

mcm035b3 (TOI 2840.01, R filter)
UTC 2024-02-04 06:28:07.730
Mean = 1001.391
σ = 26.159
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.121
max = mean + 0.75 σ = 1021.01
Moon angle =121.45°
Moon phase =37.14%
Azimuth =197.75°
Elevation =49.96°
Hour Angle =00:45:35.40°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

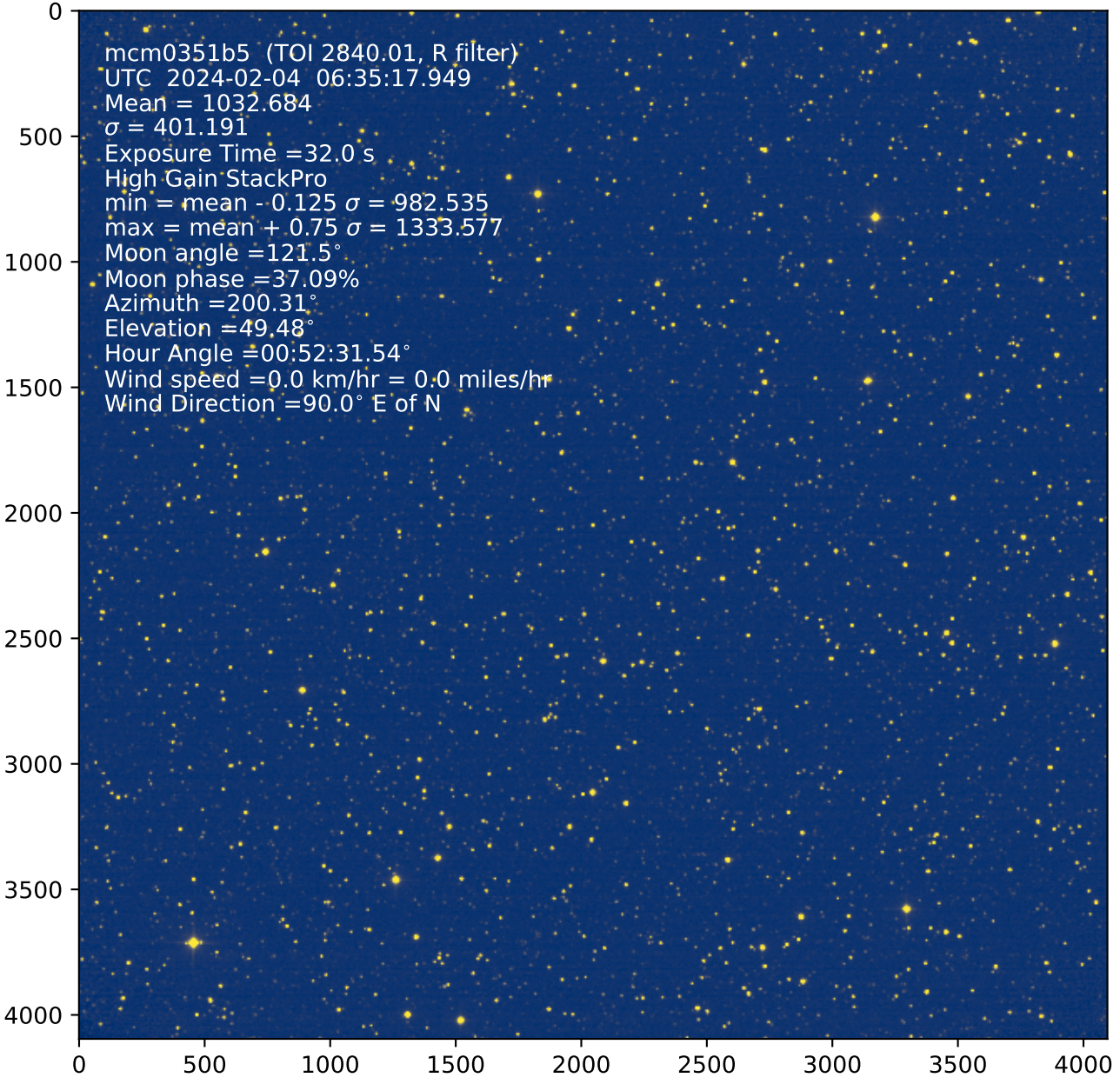

mcm0351af (TOI 2840.01, R filter)
UTC 2024-02-04 06:29:19.850
Mean = 1032.715
σ = 401.518
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.525
max = mean + 0.75 σ = 1333.853
Moon angle =121.46°
Moon phase =37.14%
Azimuth =198.11°
Elevation =49.9°
Hour Angle =00:46:32.56°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

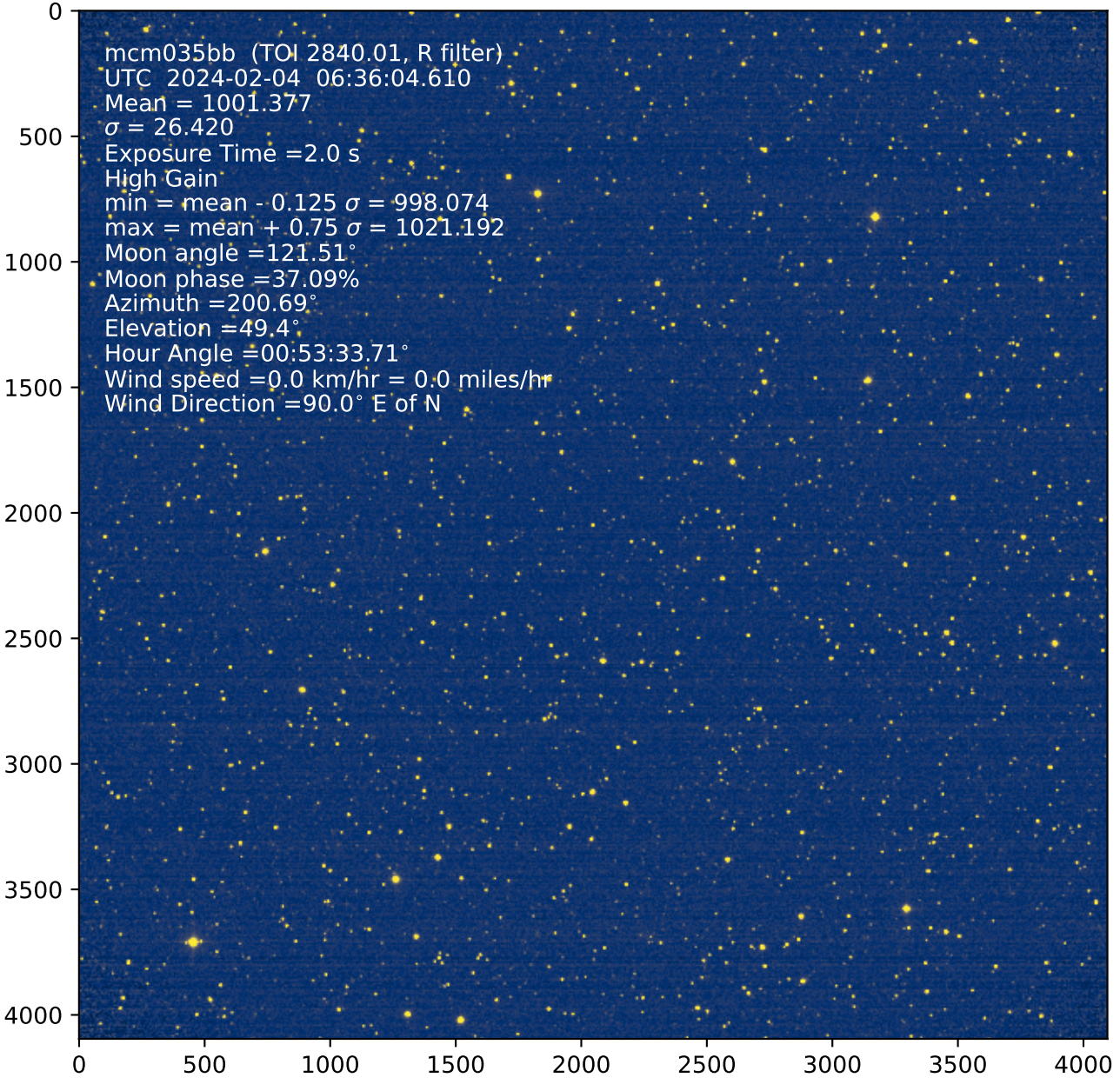

mcm035b5 (TOI 2840.01, R filter)
UTC 2024-02-04 06:30:05.950
Mean = 1001.373
σ = 26.154
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.103
max = mean + 0.75 σ = 1020.988
Moon angle =121.46°
Moon phase =37.13%
Azimuth =198.49°
Elevation =49.83°
Hour Angle =00:47:34.73°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

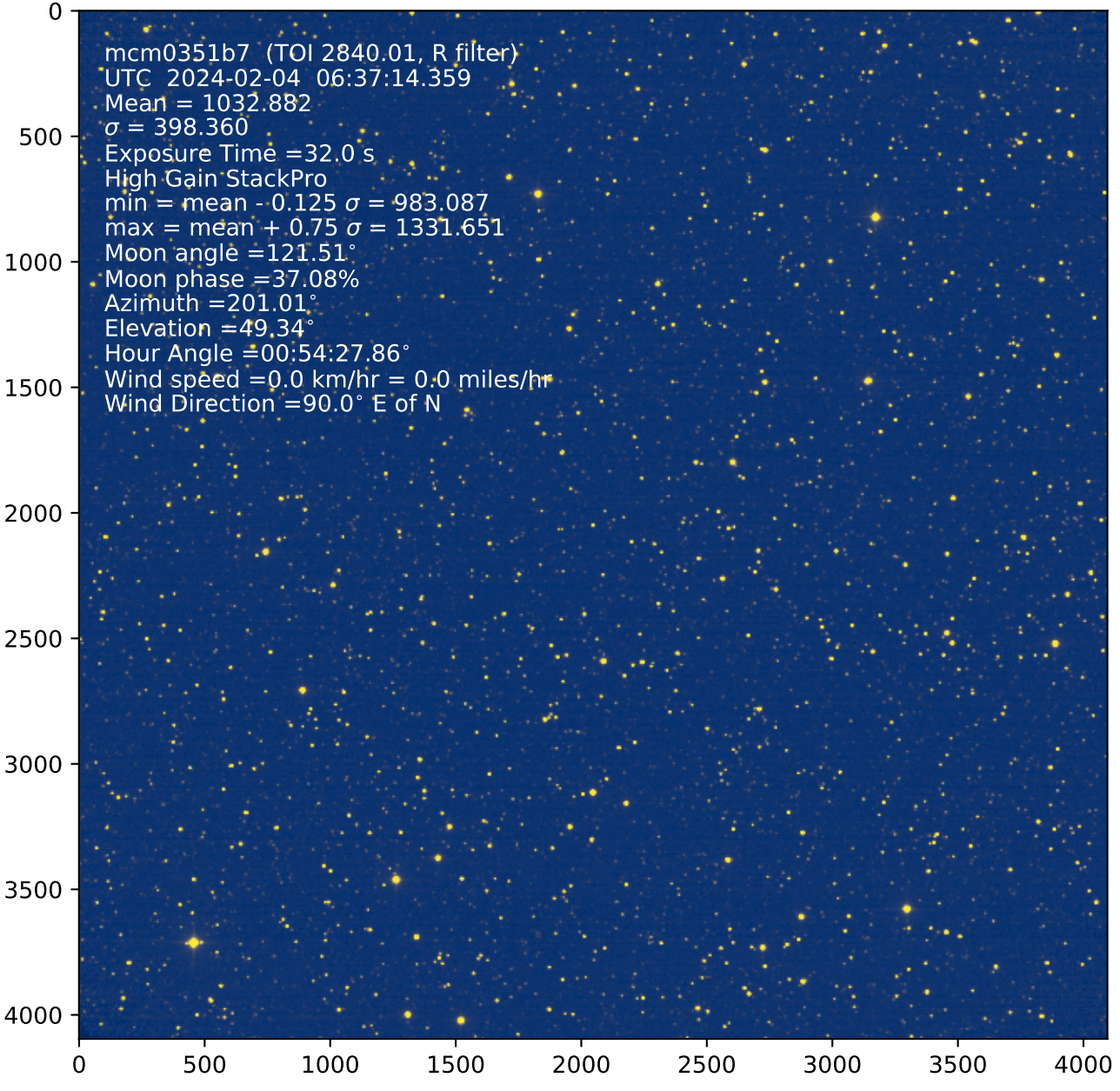

mcm0351b1 (TOI 2840.01, R filter)
UTC 2024-02-04 06:31:17.089
Mean = 1032.783
σ = 402.431
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.48
max = mean + 0.75 σ = 1334.607
Moon angle =121.47°
Moon phase =37.12%
Azimuth =198.83°
Elevation =49.77°
Hour Angle =00:48:29.88°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

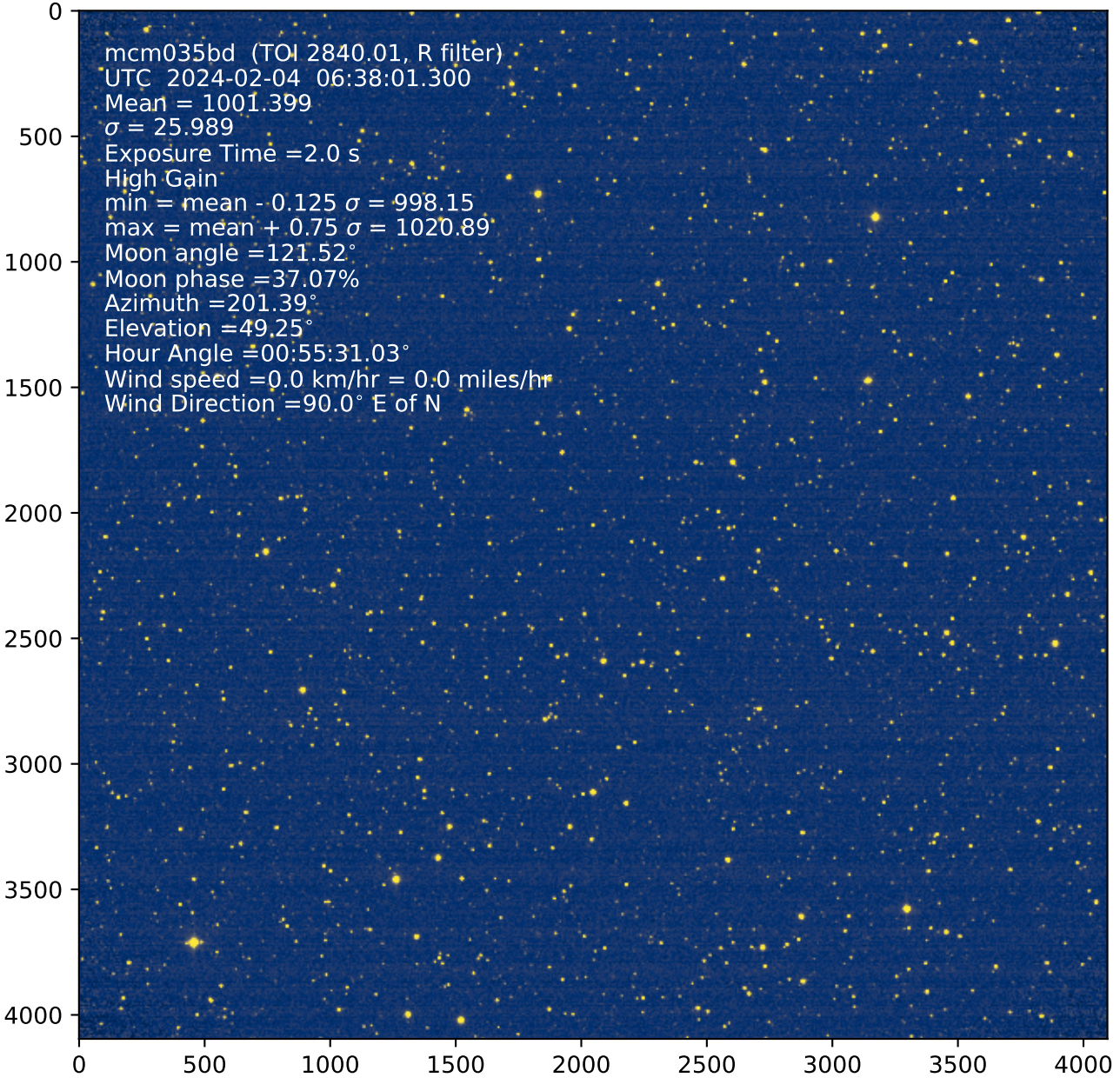

mcm035b7 (TOI 2840.01, R filter)
UTC 2024-02-04 06:32:03.480
Mean = 1001.378
σ = 26.193
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.104
max = mean + 0.75 σ = 1021.023
Moon angle =121.48°
Moon phase =37.12%
Azimuth =199.21°
Elevation =49.7°
Hour Angle =00:49:32.05°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

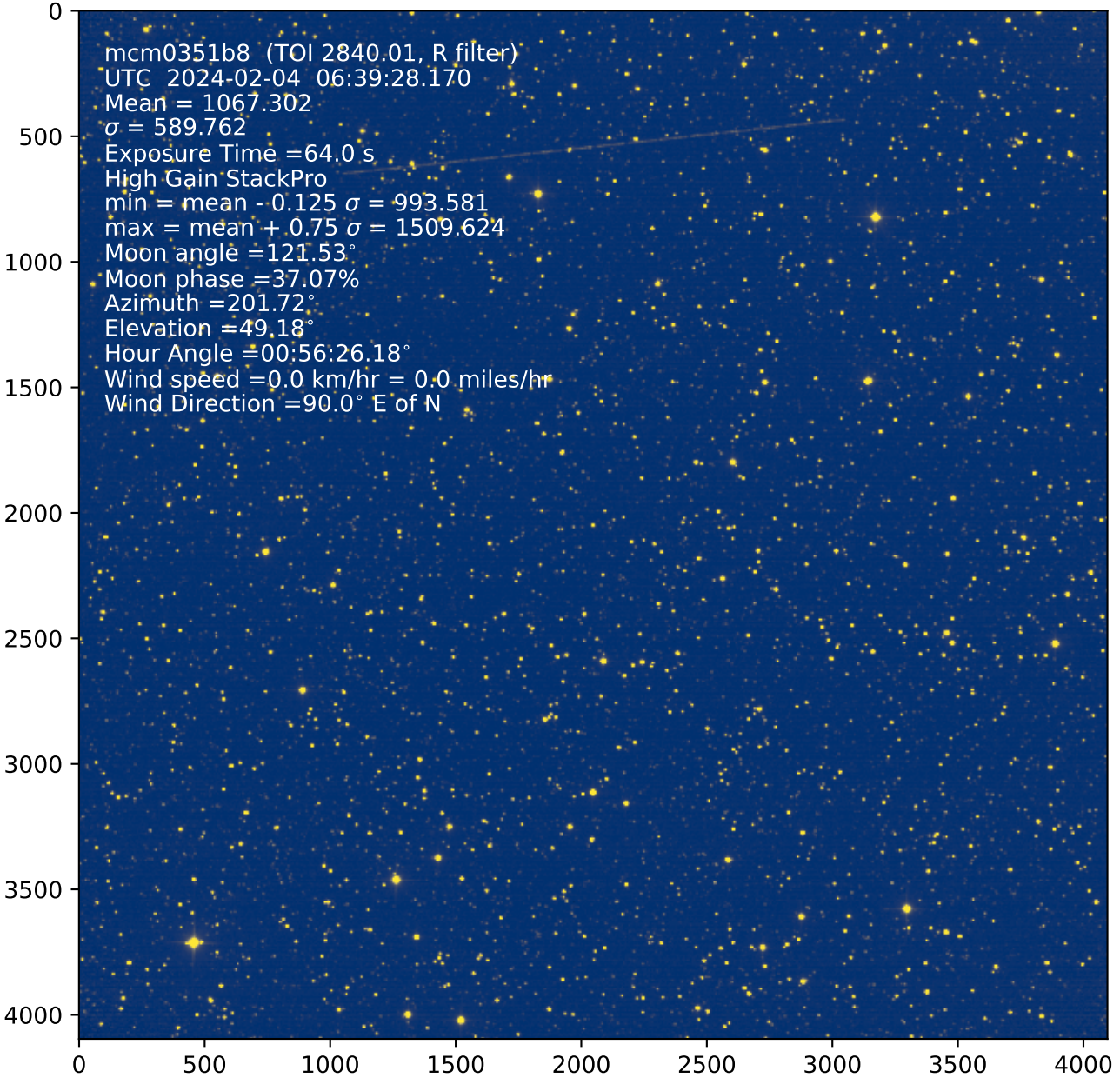

mcm0351b2 (TOI 2840.01, R filter)
UTC 2024-02-04 06:33:29.969
Mean = 1067.320
σ = 581.352
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.651
max = mean + 0.75 σ = 1503.334
Moon angle =121.48°
Moon phase =37.11%
Azimuth =199.55°
Elevation =49.63°
Hour Angle =00:50:27.20°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

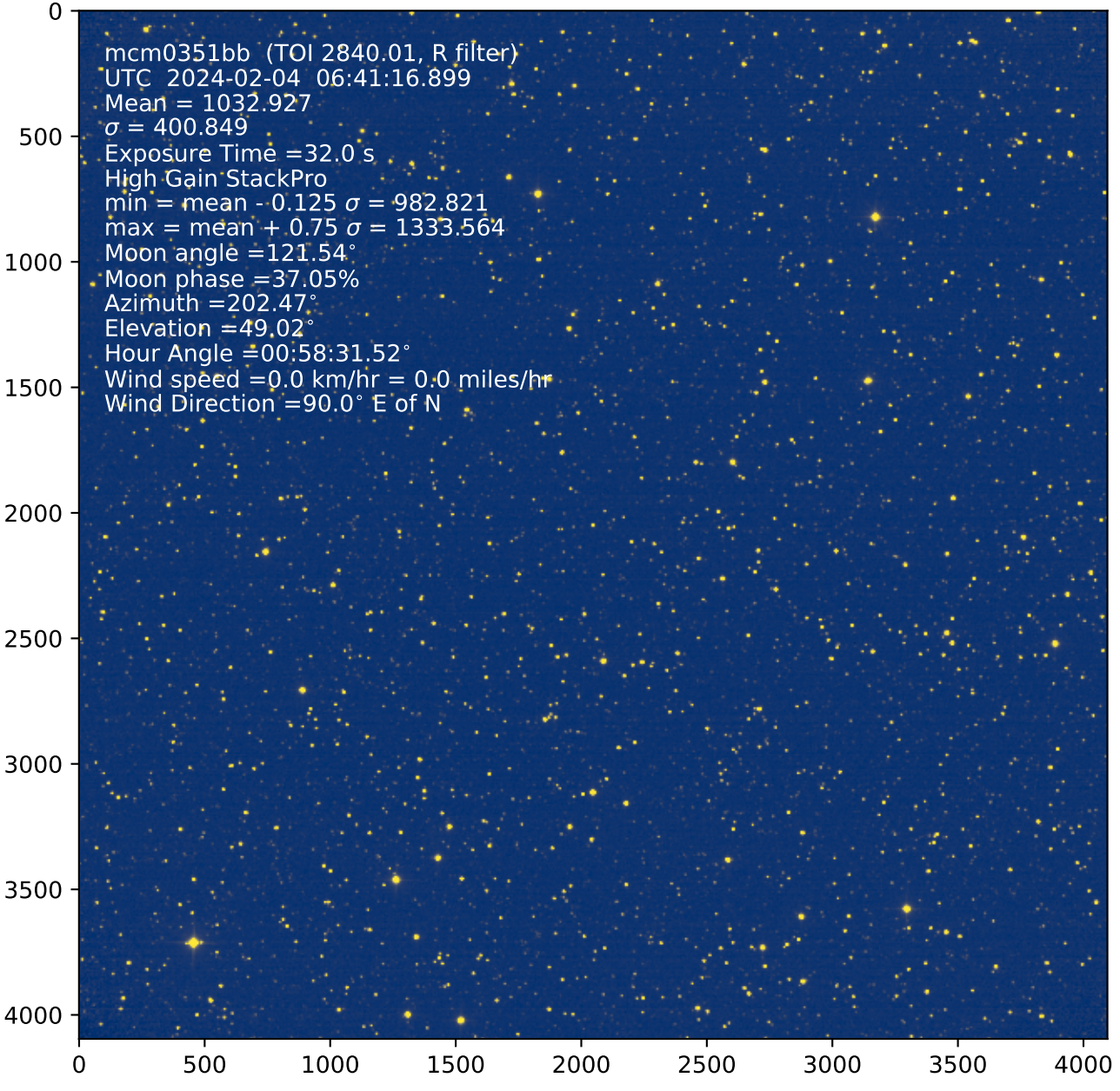

mcm0351b5 (TOI 2840.01, R filter)
UTC 2024-02-04 06:35:17.949
Mean = 1032.684
σ = 401.191
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.535
max = mean + 0.75 σ = 1333.577
Moon angle =121.5°
Moon phase =37.09%
Azimuth =200.31°
Elevation =49.48°
Hour Angle =00:52:31.54°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

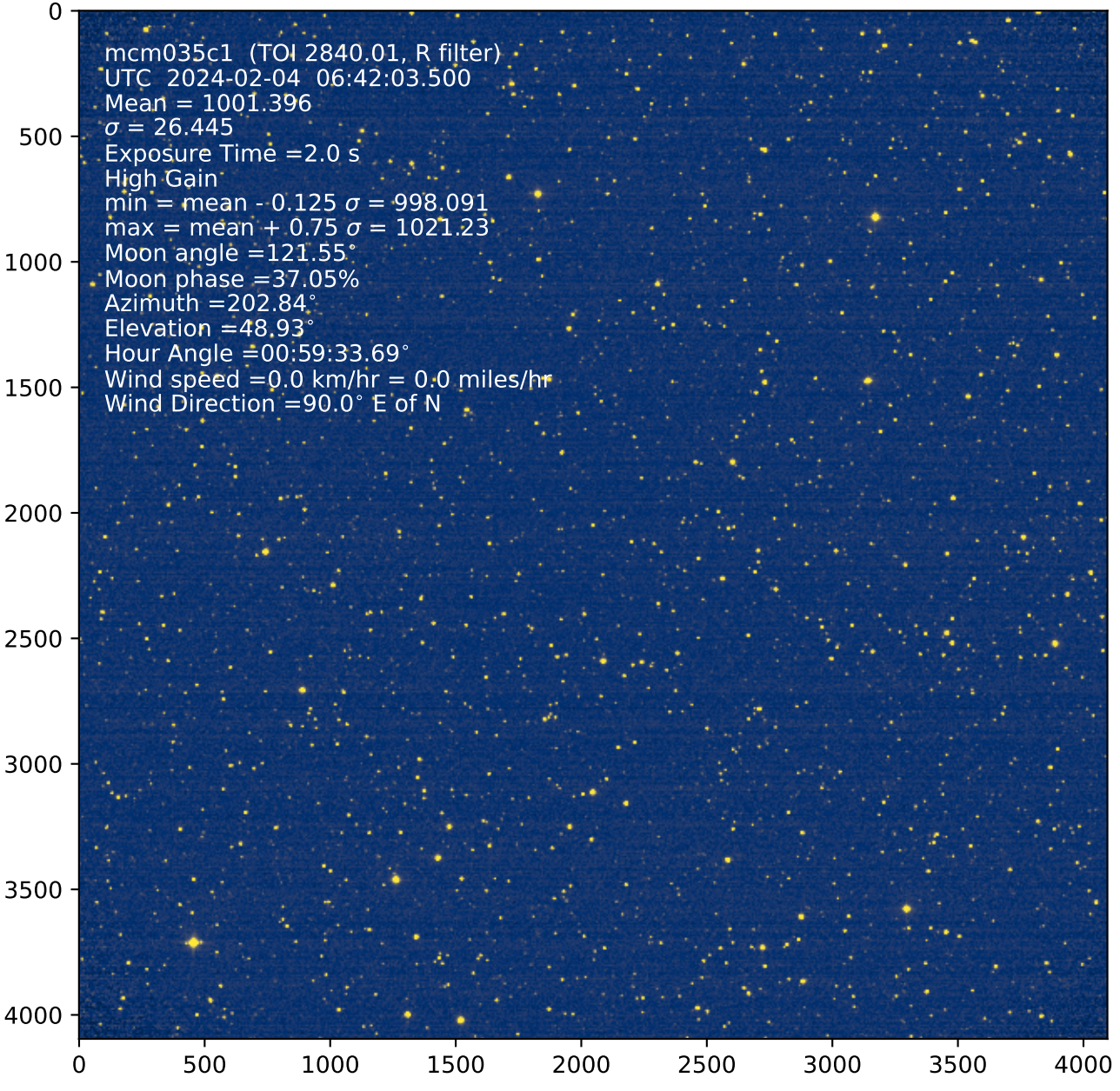

mcm035bb (TOI 2840.01, R filter)
UTC 2024-02-04 06:36:04.610
Mean = 1001.377
σ = 26.420
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.074
max = mean + 0.75 σ = 1021.192
Moon angle =121.51°
Moon phase =37.09%
Azimuth =200.69°
Elevation =49.4°
Hour Angle =00:53:33.71°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

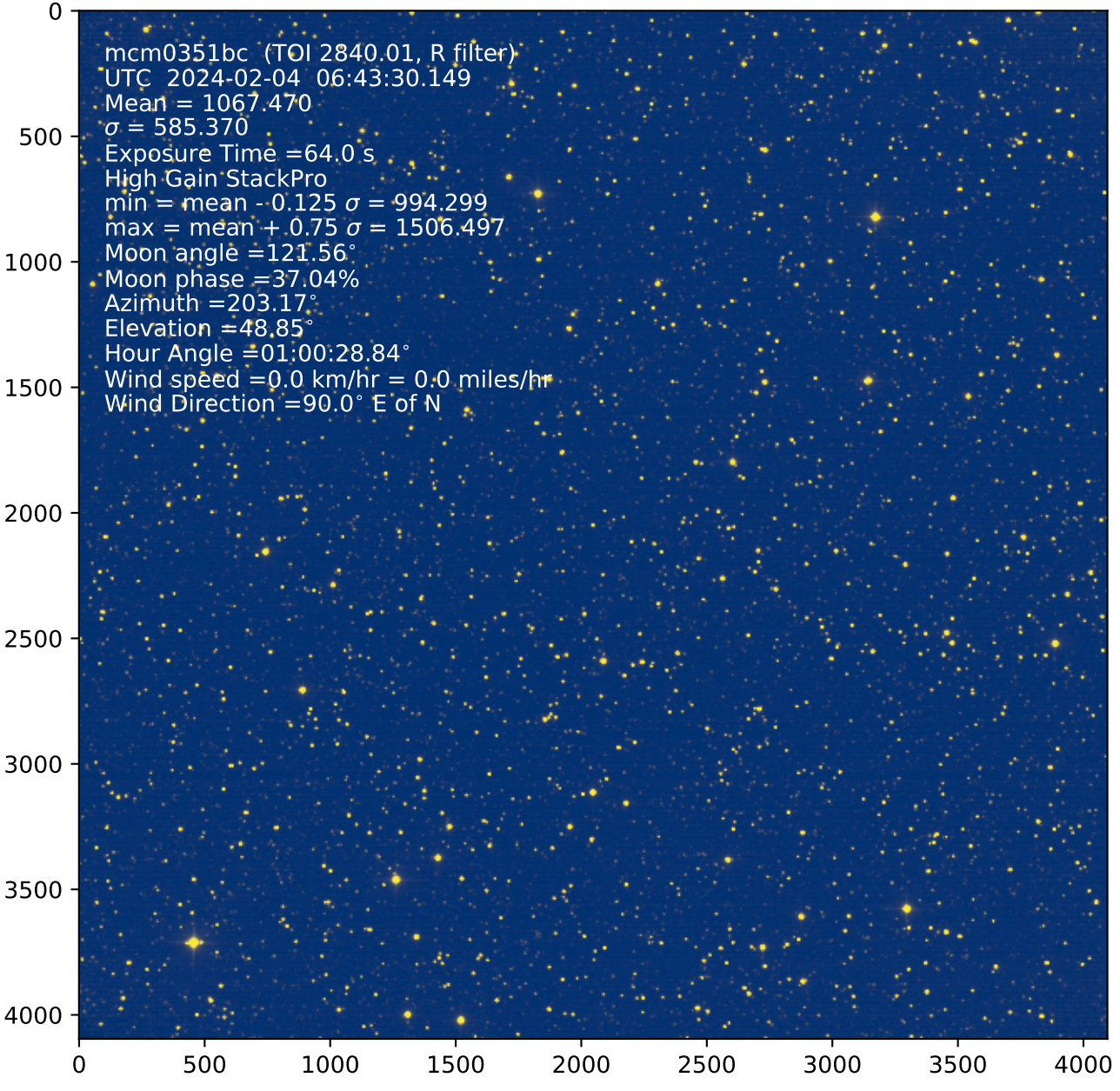

mcm0351b7 (TOI 2840.01, R filter)
UTC 2024-02-04 06:37:14.359
Mean = 1032.882
σ = 398.360
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.087
max = mean + 0.75 σ = 1331.651
Moon angle =121.51°
Moon phase =37.08%
Azimuth =201.01°
Elevation =49.34°
Hour Angle =00:54:27.86°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

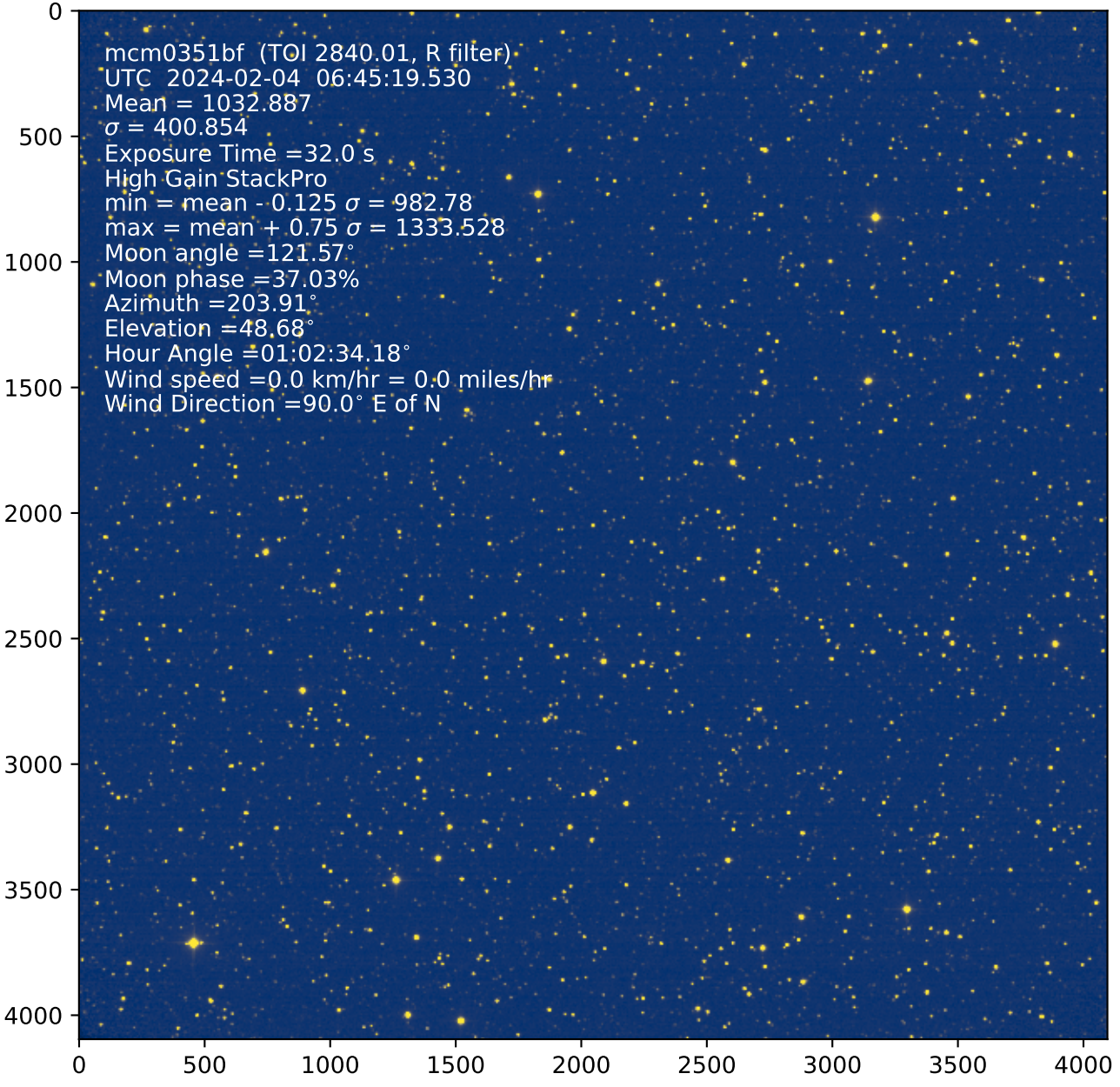

mcm035bd (TOI 2840.01, R filter)
UTC 2024-02-04 06:38:01.300
Mean = 1001.399
σ = 25.989
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.15
max = mean + 0.75 σ = 1020.89
Moon angle =121.52°
Moon phase =37.07%
Azimuth =201.39°
Elevation =49.25°
Hour Angle =00:55:31.03°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

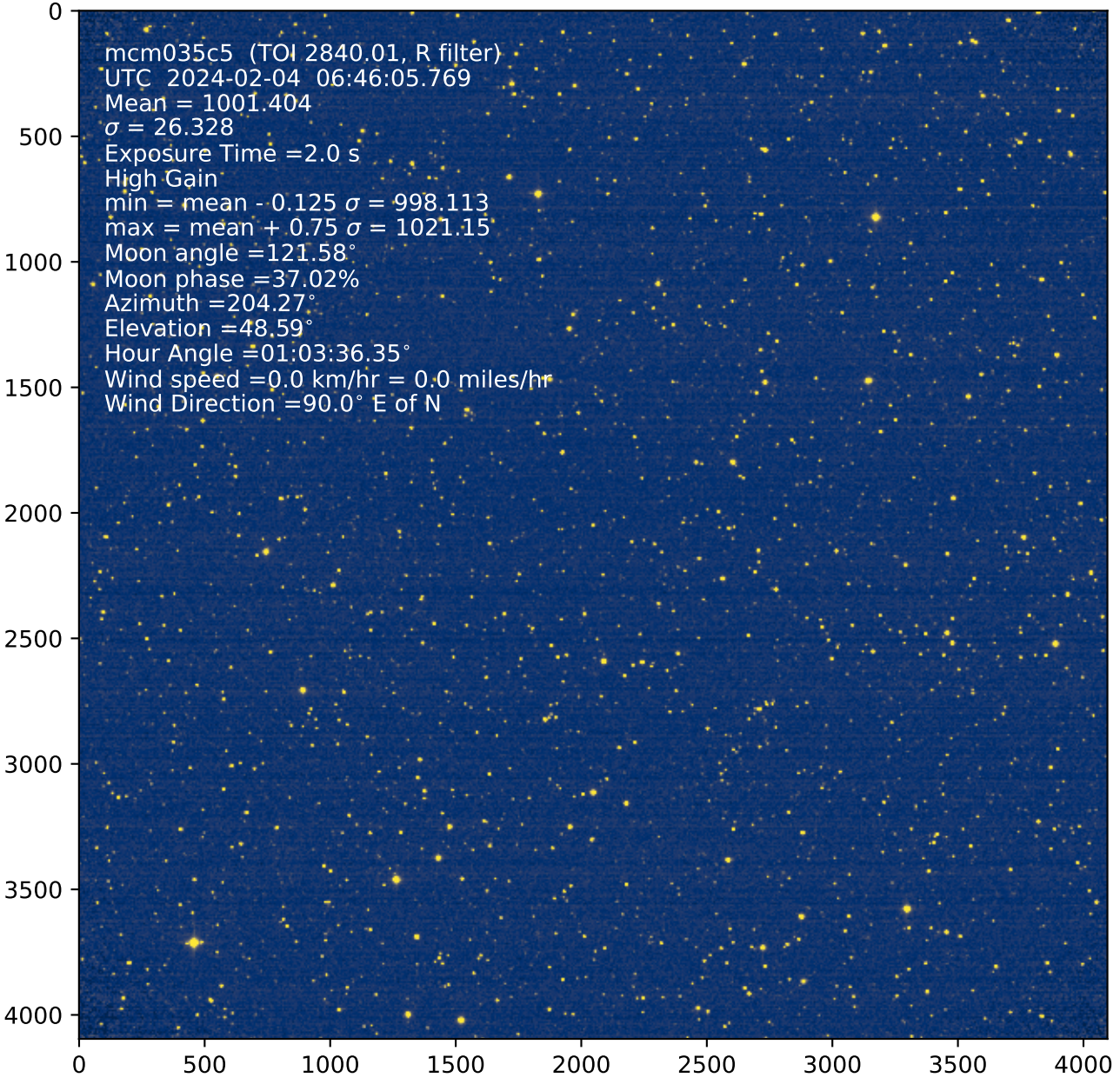

mcm0351b8 (TOI 2840.01, R filter)
UTC 2024-02-04 06:39:28.170
Mean = 1067.302
σ = 589.762
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 993.581
max = mean + 0.75 σ = 1509.624
Moon angle =121.53°
Moon phase =37.07%
Azimuth =201.72°
Elevation =49.18°
Hour Angle =00:56:26.18°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

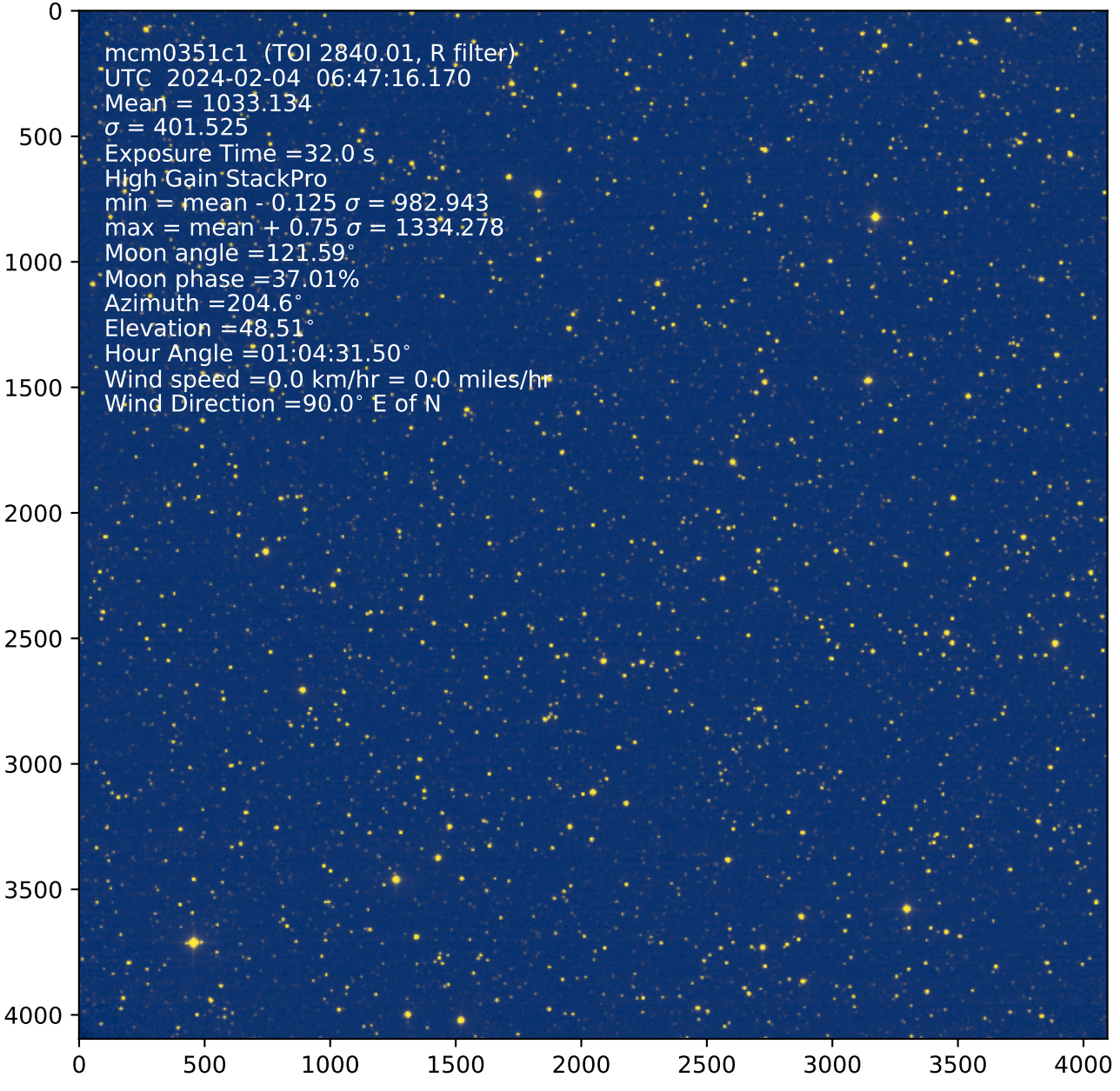

mcm0351bb (TOI 2840.01, R filter)
UTC 2024-02-04 06:41:16.899
Mean = 1032.927
σ = 400.849
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.821
max = mean + 0.75 σ = 1333.564
Moon angle =121.54°
Moon phase =37.05%
Azimuth =202.47°
Elevation =49.02°
Hour Angle =00:58:31.52°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

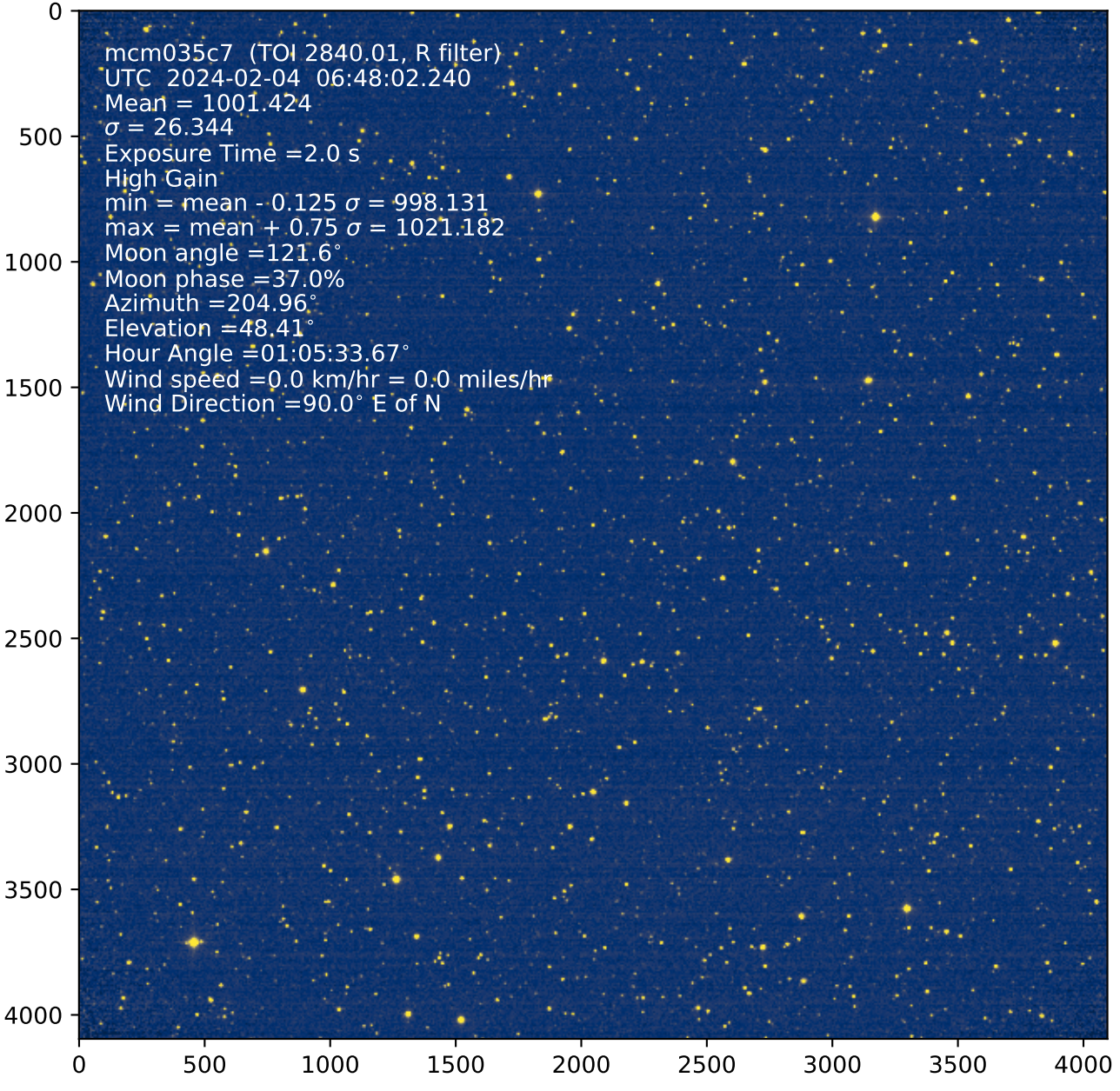

mcm035c1 (TOI 2840.01, R filter)
UTC 2024-02-04 06:42:03.500
Mean = 1001.396
σ = 26.445
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.091
max = mean + 0.75 σ = 1021.23
Moon angle =121.55°
Moon phase =37.05%
Azimuth =202.84°
Elevation =48.93°
Hour Angle =00:59:33.69°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

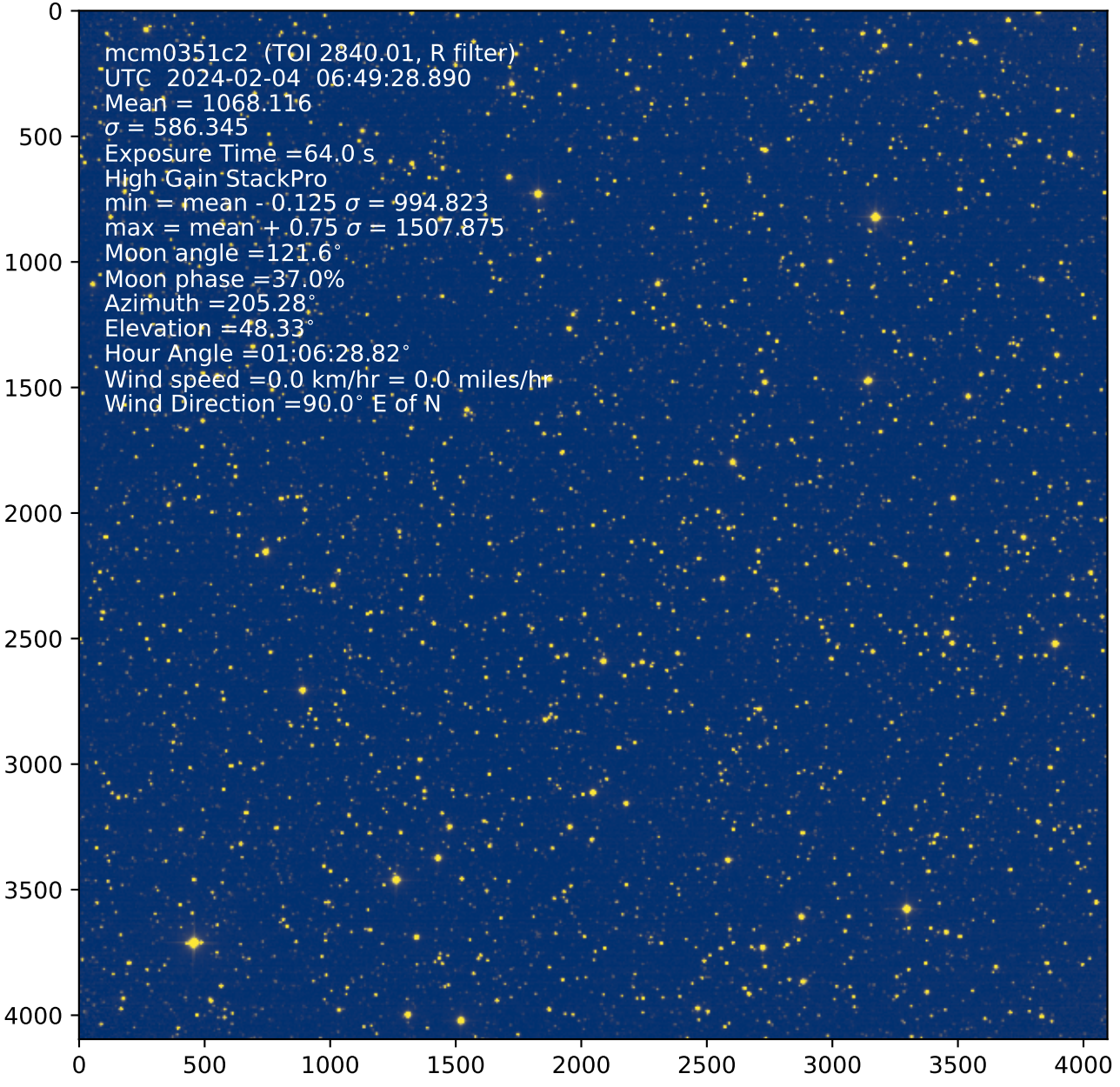

mcm0351bc (TOI 2840.01, R filter)
UTC 2024-02-04 06:43:30.149
Mean = 1067.470
σ = 585.370
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.299
max = mean + 0.75 σ = 1506.497
Moon angle =121.56°
Moon phase =37.04%
Azimuth =203.17°
Elevation =48.85°
Hour Angle =01:00:28.84°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

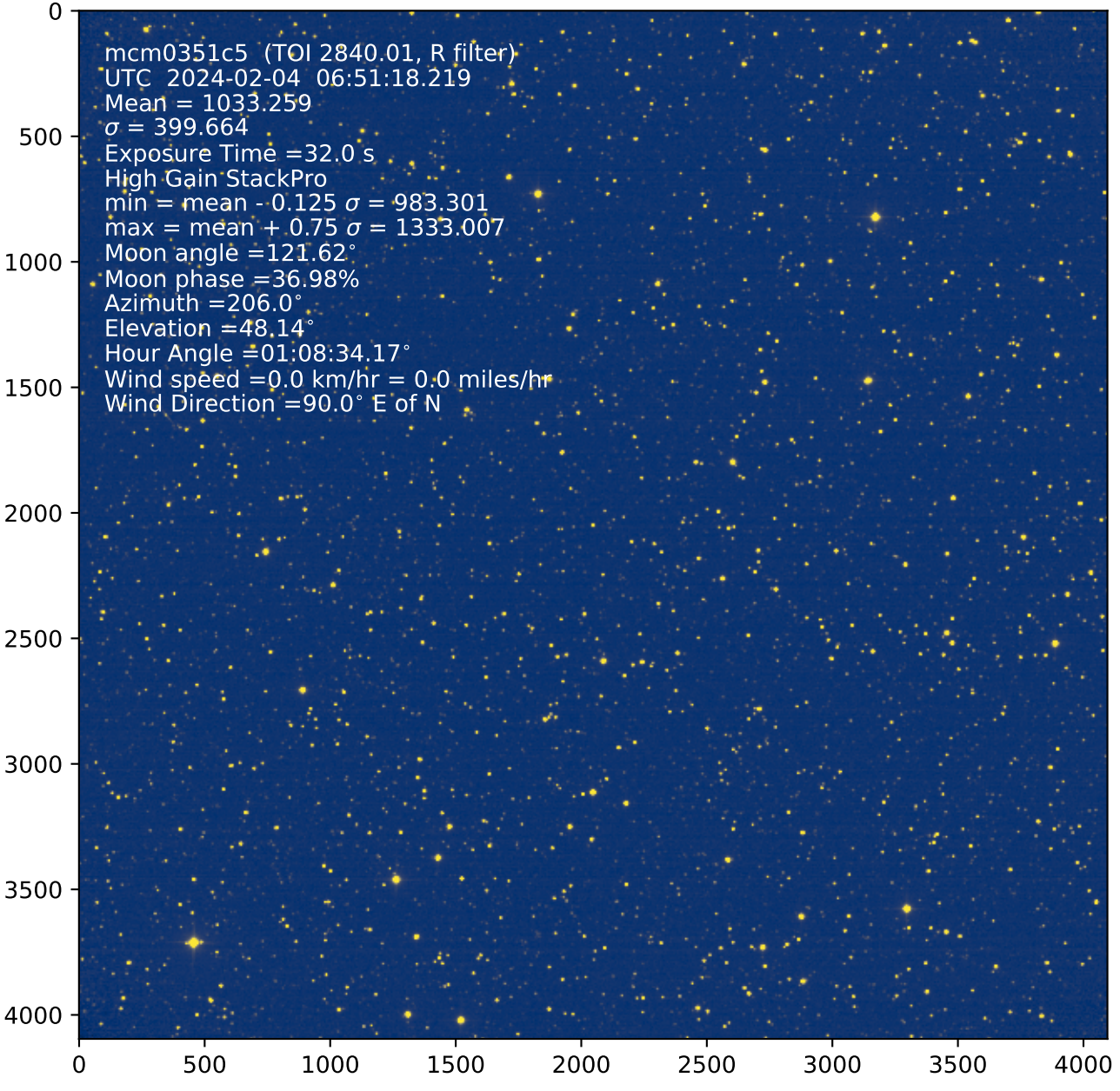

mcm0351bf (TOI 2840.01, R filter)
UTC 2024-02-04 06:45:19.530
Mean = 1032.887
σ = 400.854
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.78
max = mean + 0.75 σ = 1333.528
Moon angle =121.57°
Moon phase =37.03%
Azimuth =203.91°
Elevation =48.68°
Hour Angle =01:02:34.18°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

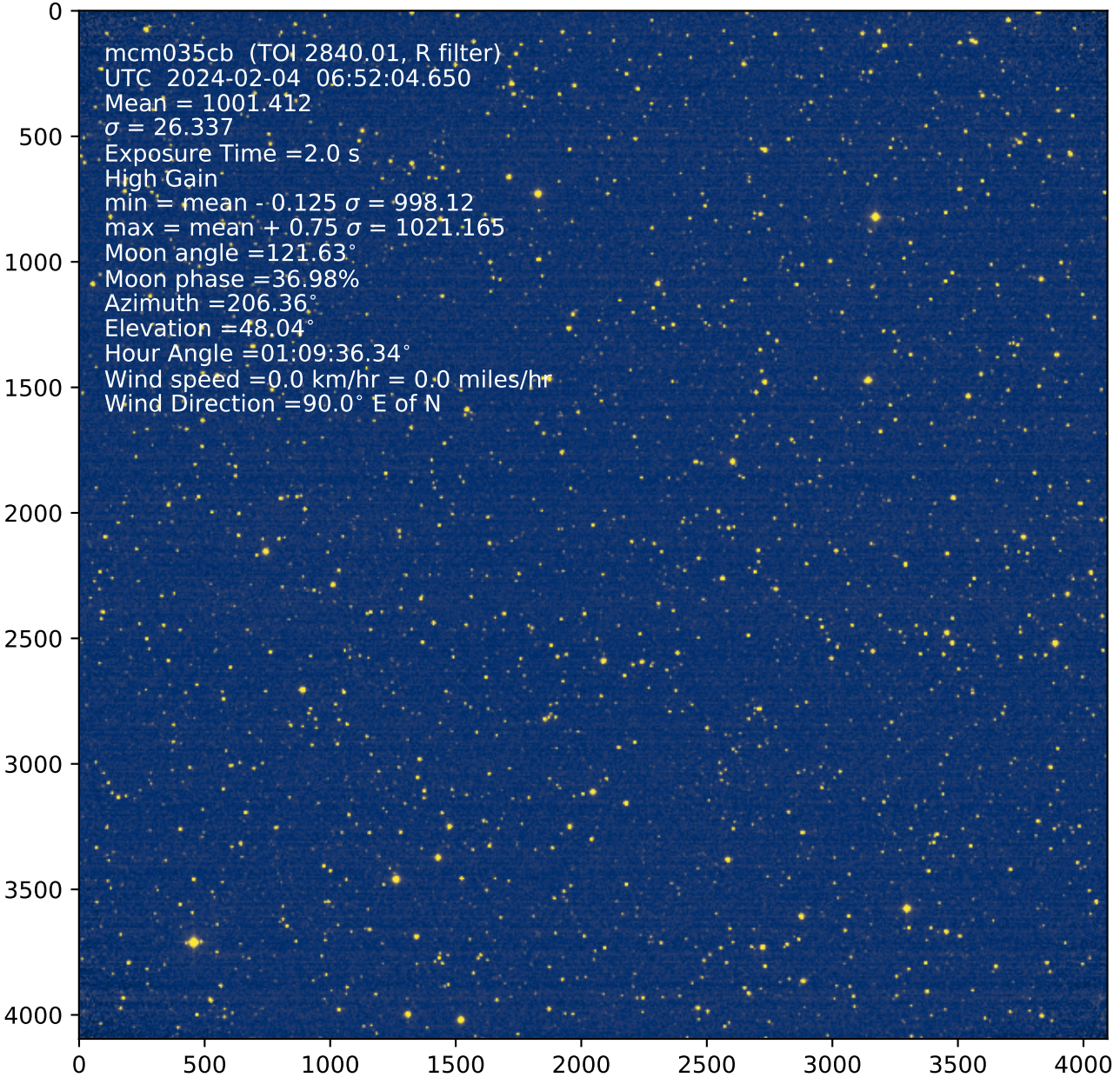

mcm035c5 (TOI 2840.01, R filter)
UTC 2024-02-04 06:46:05.769
Mean = 1001.404
σ = 26.328
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.113
max = mean + 0.75 σ = 1021.15
Moon angle =121.58°
Moon phase =37.02%
Azimuth =204.27°
Elevation =48.59°
Hour Angle =01:03:36.35°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

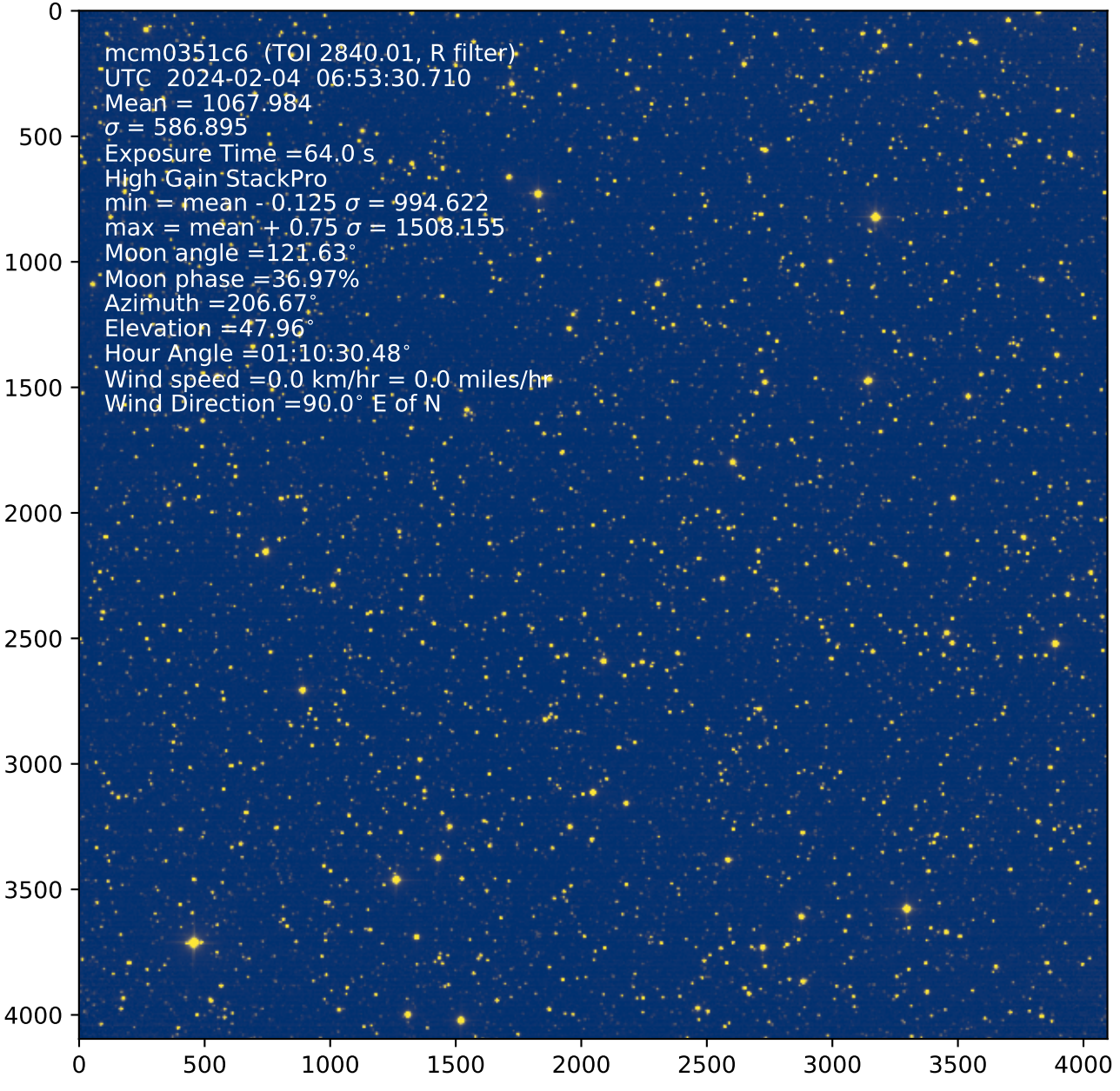

mcm0351c1 (TOI 2840.01, R filter)
UTC 2024-02-04 06:47:16.170
Mean = 1033.134
σ = 401.525
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.943
max = mean + 0.75 σ = 1334.278
Moon angle =121.59°
Moon phase =37.01%
Azimuth =204.6°
Elevation =48.51°
Hour Angle =01:04:31.50°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

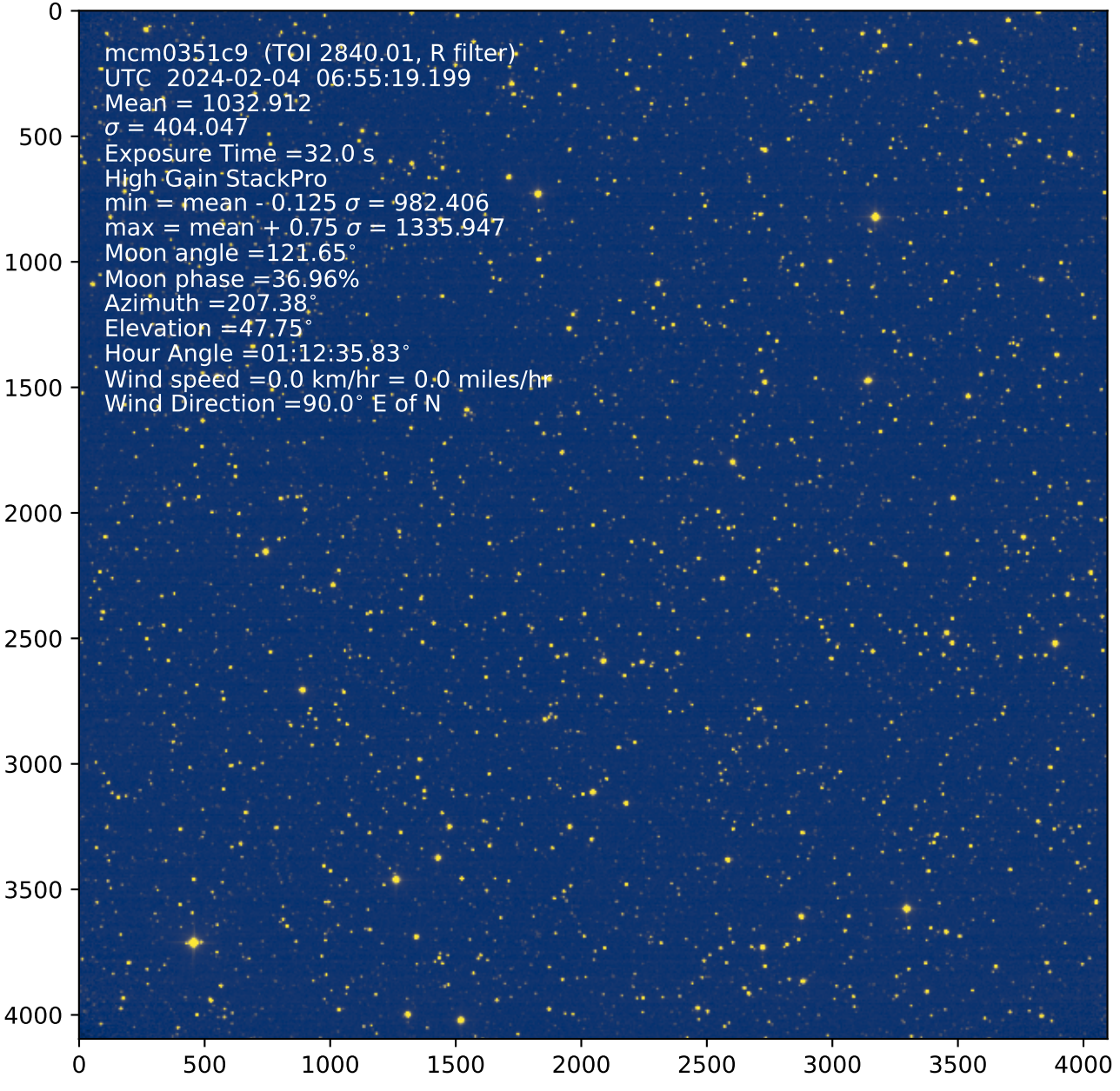

mcm035c7 (TOI 2840.01, R filter)
UTC 2024-02-04 06:48:02.240
Mean = 1001.424
σ = 26.344
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.131
max = mean + 0.75 σ = 1021.182
Moon angle =121.6°
Moon phase =37.0%
Azimuth =204.96°
Elevation =48.41°
Hour Angle =01:05:33.67°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

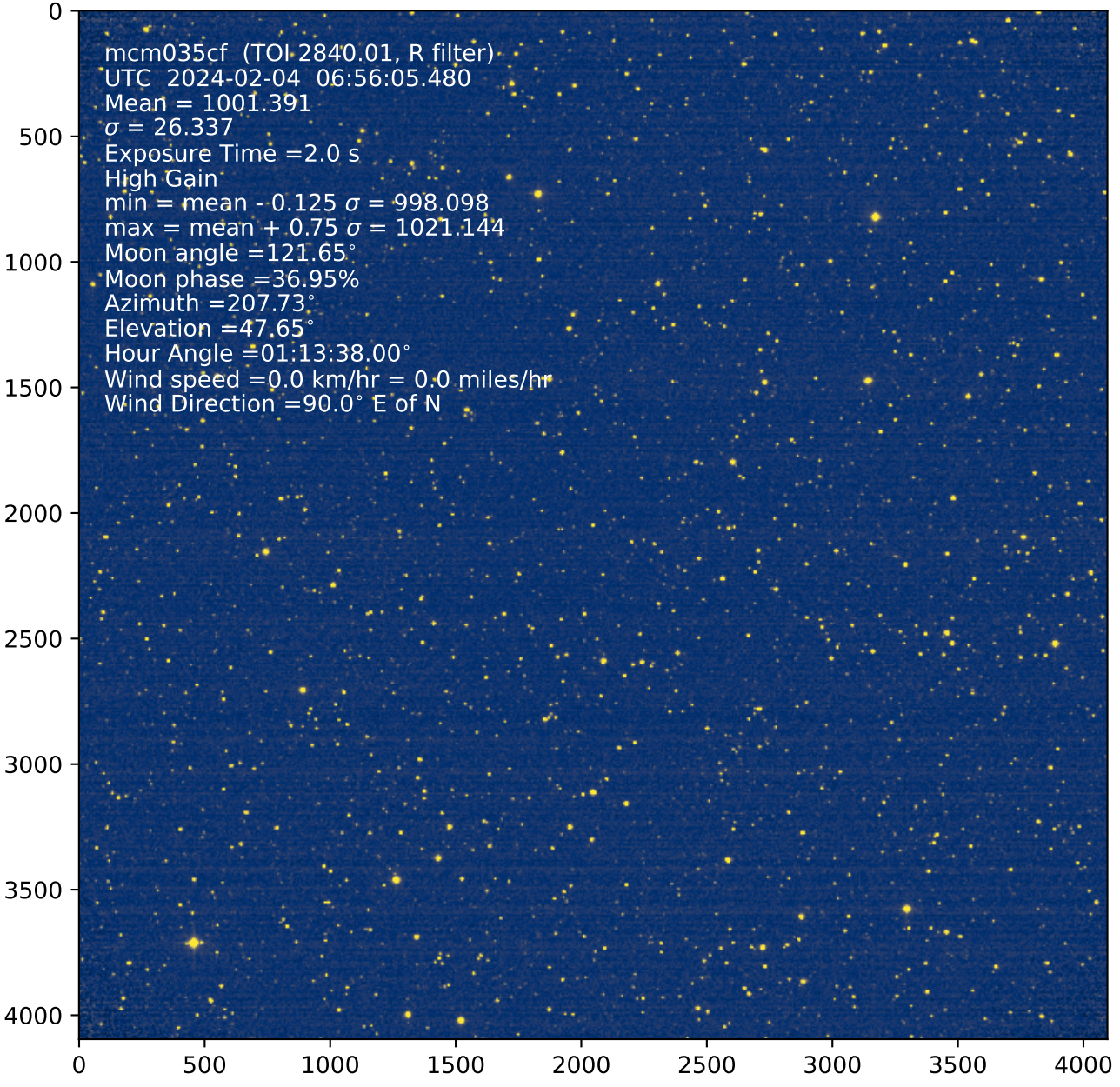

mcm0351c2 (TOI 2840.01, R filter)
UTC 2024-02-04 06:49:28.890
Mean = 1068.116
σ = 586.345
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.823
max = mean + 0.75 σ = 1507.875
Moon angle =121.6°
Moon phase =37.0%
Azimuth =205.28°
Elevation =48.33°
Hour Angle =01:06:28.82°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

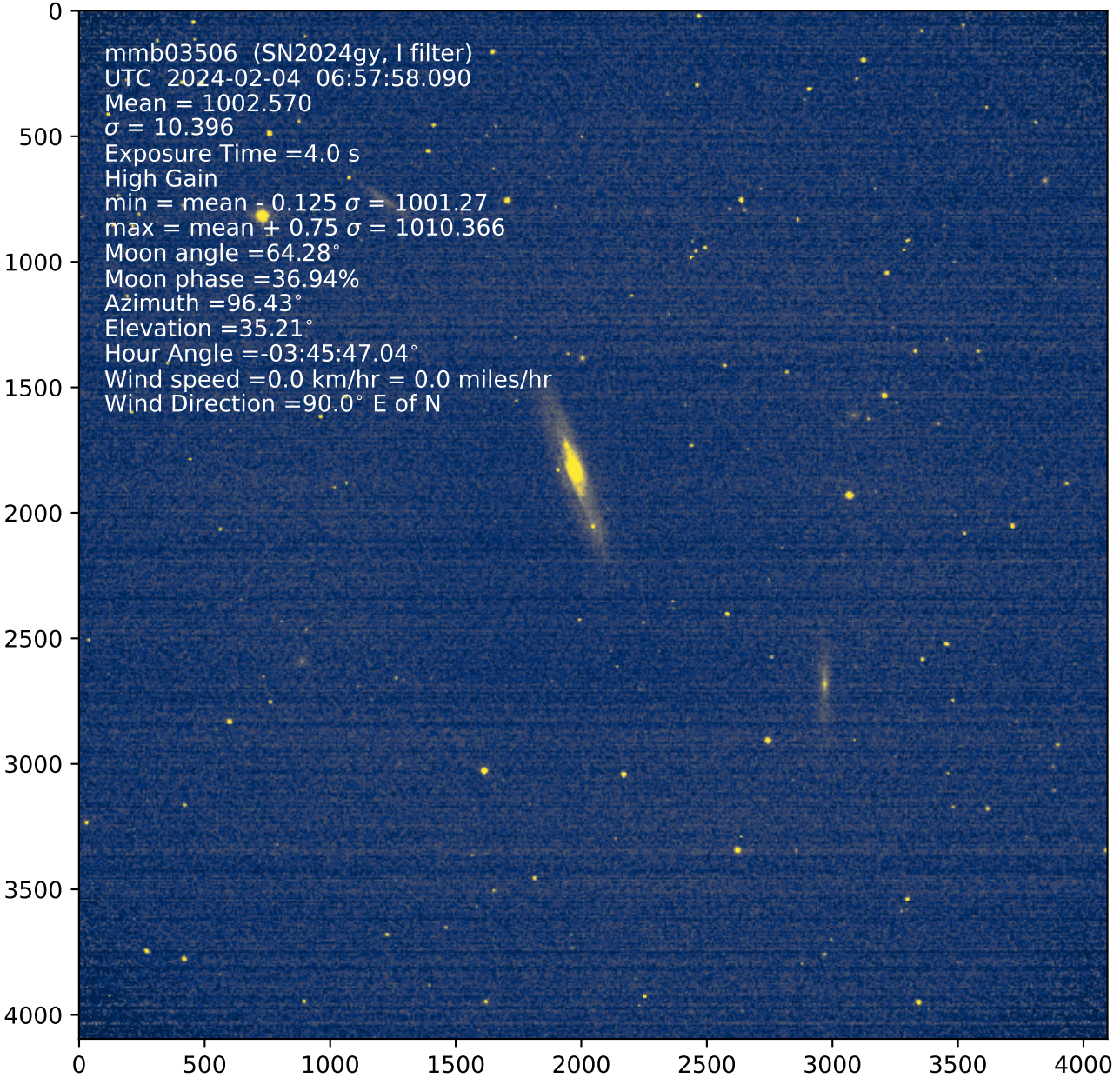

mcm0351c5 (TOI 2840.01, R filter)
UTC 2024-02-04 06:51:18.219
Mean = 1033.259
σ = 399.664
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 983.301
max = mean + 0.75 σ = 1333.007
Moon angle =121.62°
Moon phase =36.98%
Azimuth =206.0°
Elevation =48.14°
Hour Angle =01:08:34.17°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

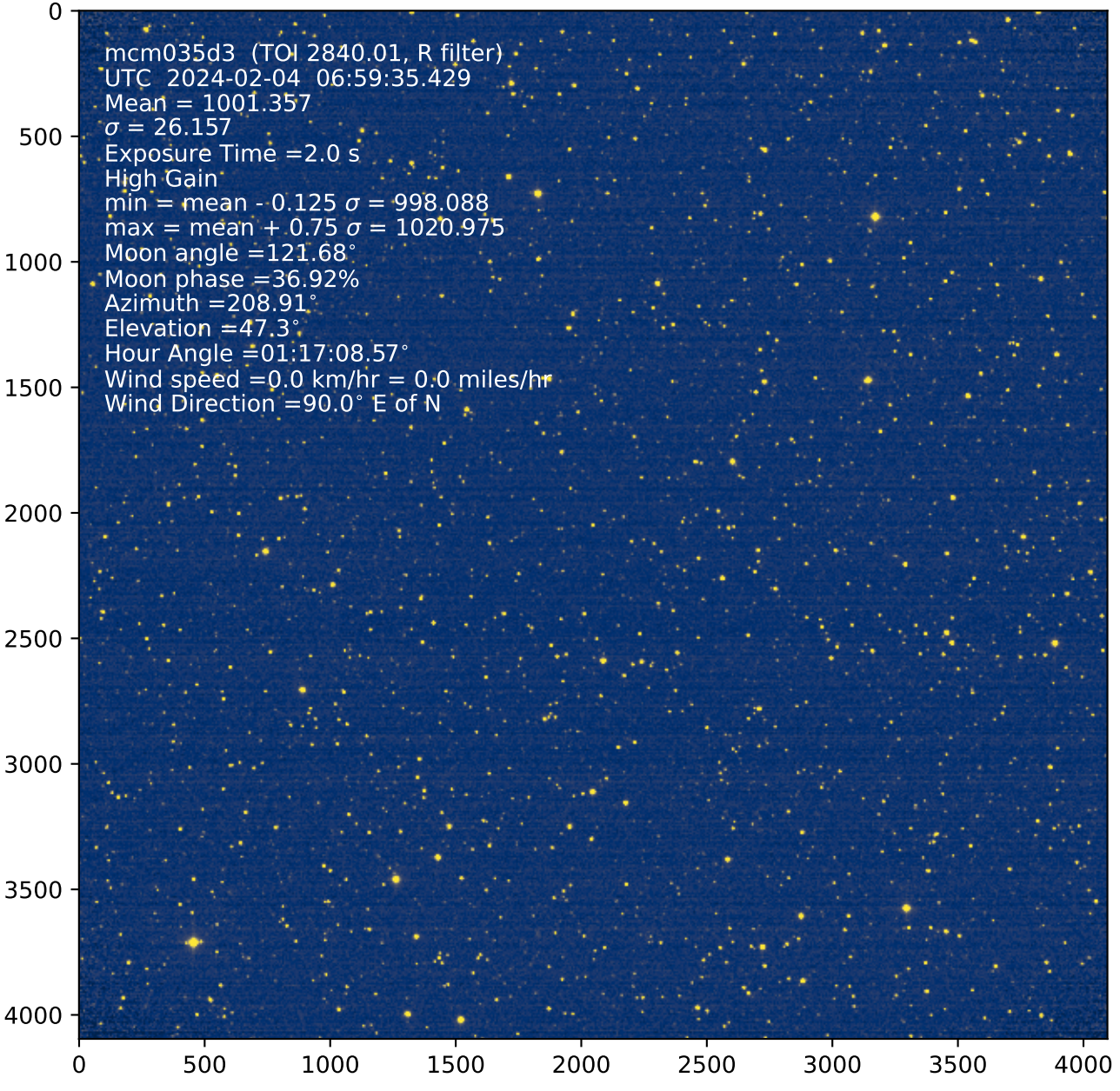

mcm035cb (TOI 2840.01, R filter)
UTC 2024-02-04 06:52:04.650
Mean = 1001.412
σ = 26.337
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.12
max = mean + 0.75 σ = 1021.165
Moon angle =121.63°
Moon phase =36.98%
Azimuth =206.36°
Elevation =48.04°
Hour Angle =01:09:36.34°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

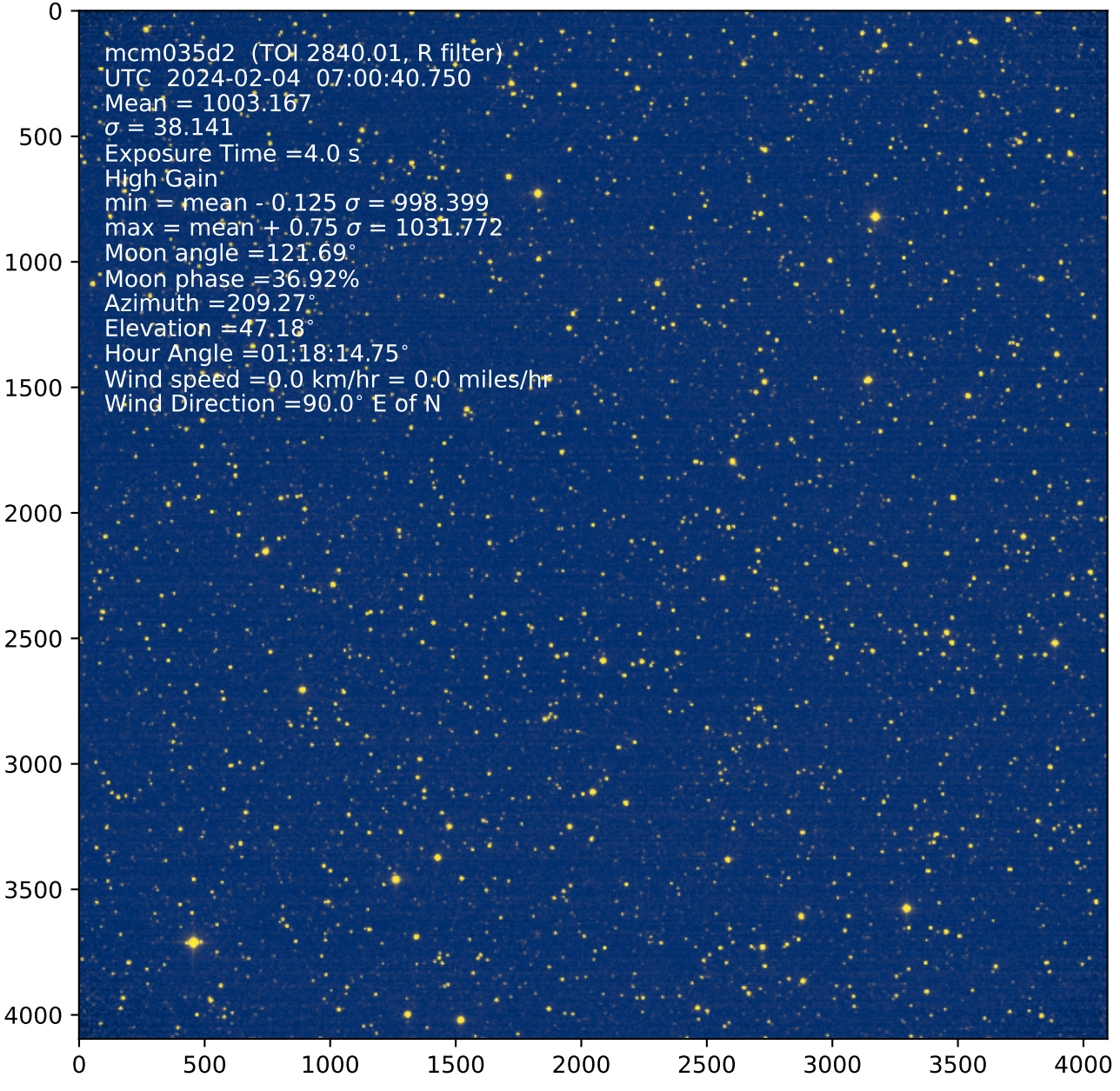

mcm0351c6 (TOI 2840.01, R filter)
UTC 2024-02-04 06:53:30.710
Mean = 1067.984
σ = 586.895
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.622
max = mean + 0.75 σ = 1508.155
Moon angle =121.63°
Moon phase =36.97%
Azimuth =206.67°
Elevation =47.96°
Hour Angle =01:10:30.48°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

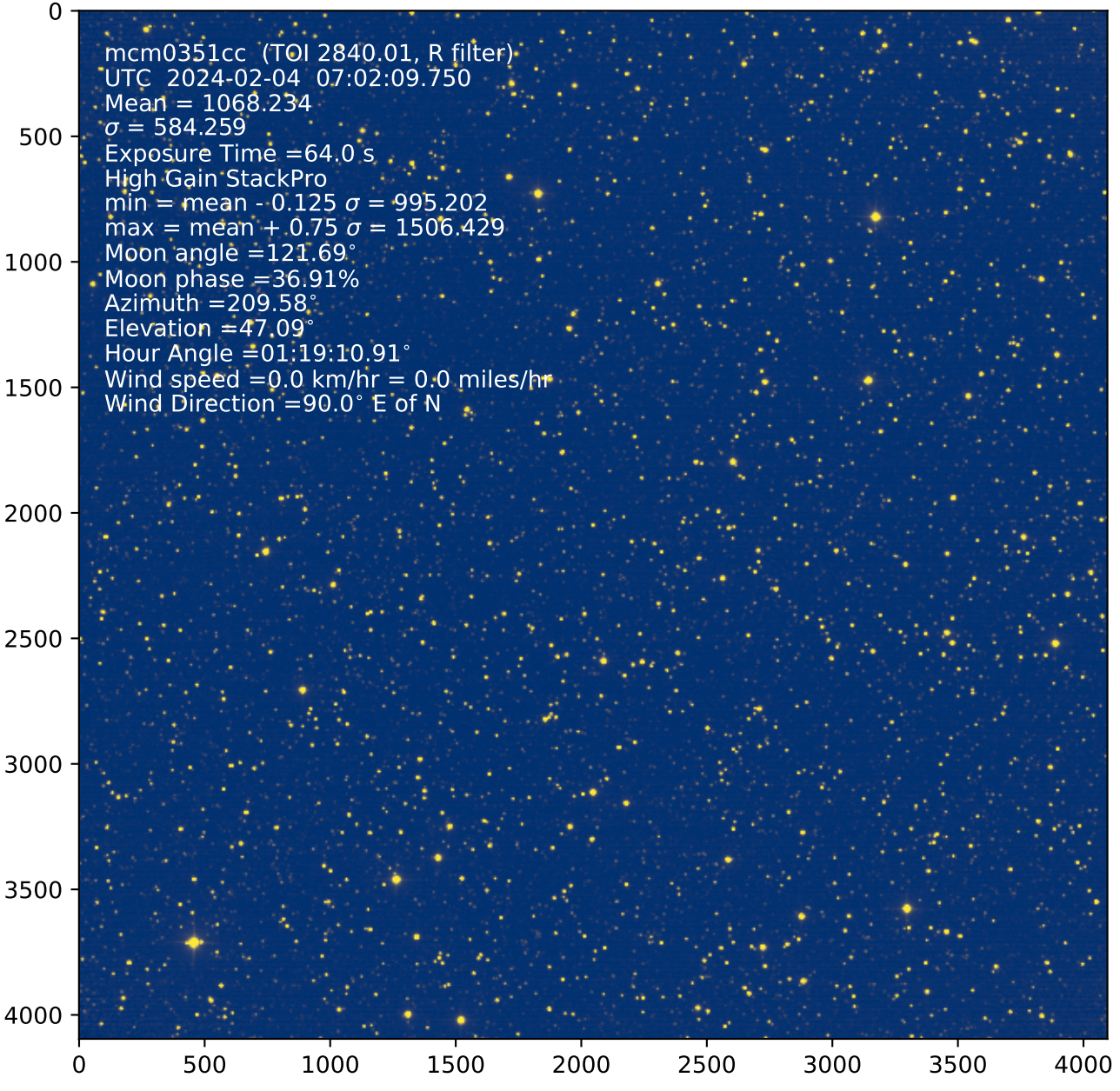

mcm0351c9 (TOI 2840.01, R filter)
UTC 2024-02-04 06:55:19.199
Mean = 1032.912
σ = 404.047
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 982.406
max = mean + 0.75 σ = 1335.947
Moon angle =121.65°
Moon phase =36.96%
Azimuth =207.38°
Elevation =47.75°
Hour Angle =01:12:35.83°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

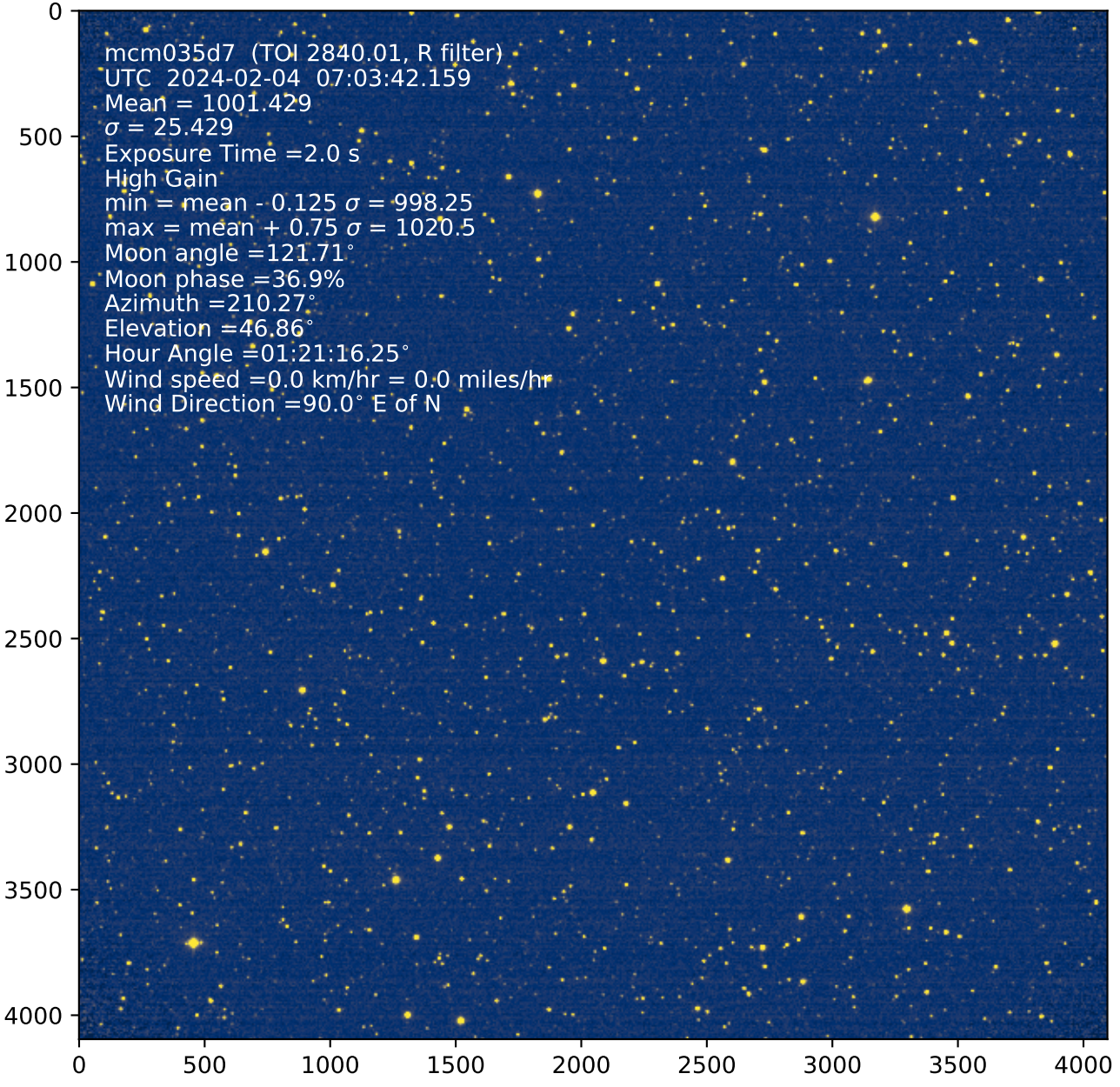

mcm035cf (TOI 2840.01, R filter)
UTC 2024-02-04 06:56:05.480
Mean = 1001.391
σ = 26.337
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.098
max = mean + 0.75 σ = 1021.144
Moon angle =121.65°
Moon phase =36.95%
Azimuth =207.73°
Elevation =47.65°
Hour Angle =01:13:38.00°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

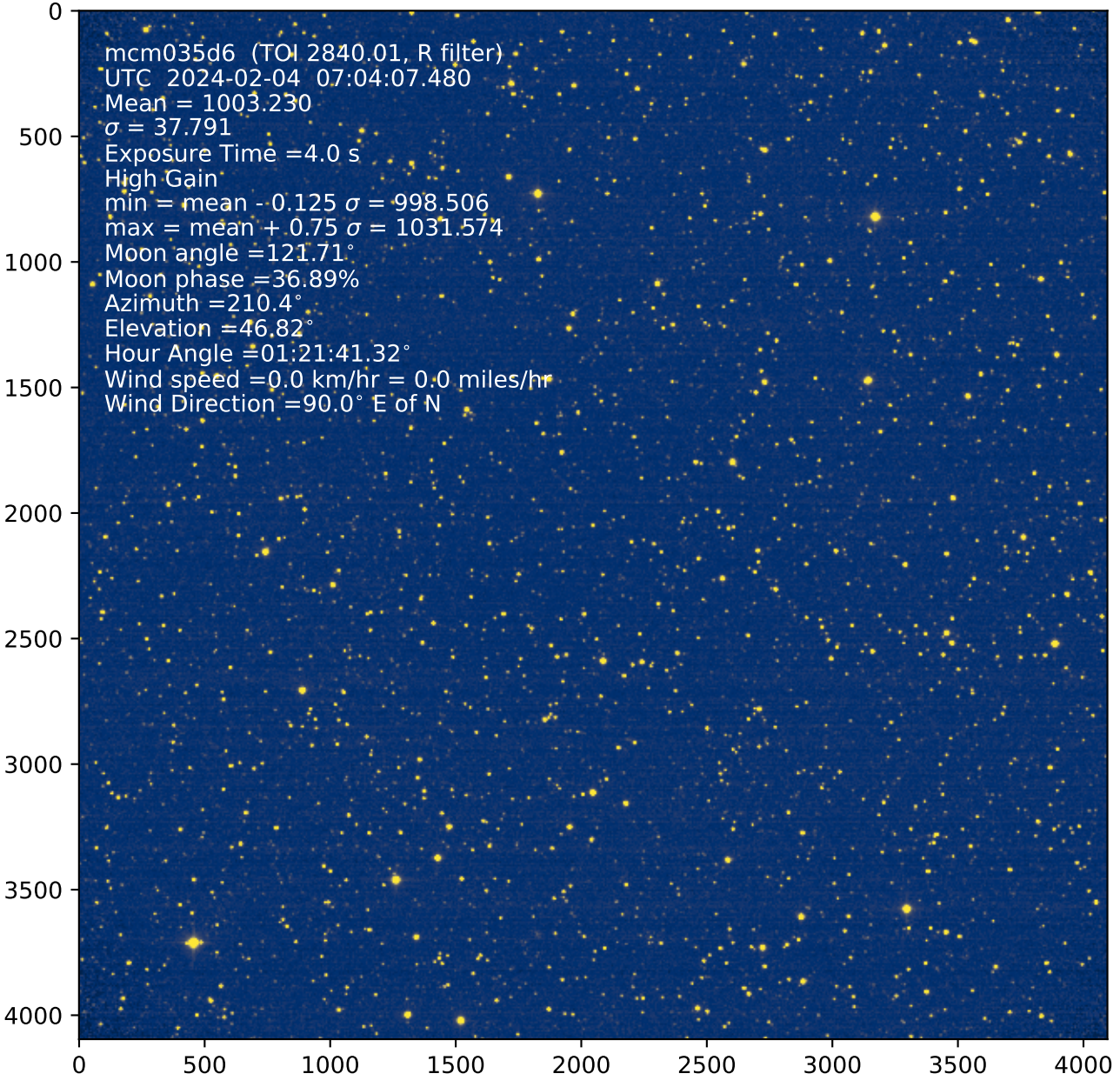

mmb03506 (SN2024gy, I filter)
UTC 2024-02-04 06:57:58.090
Mean = 1002.570
σ = 10.396
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1001.27
max = mean + 0.75 σ = 1010.366
Moon angle =64.28˚
Moon phase =36.94%
Azimuth =96.43˚
Elevation =35.21˚
Hour Angle =-03:45:47.04˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

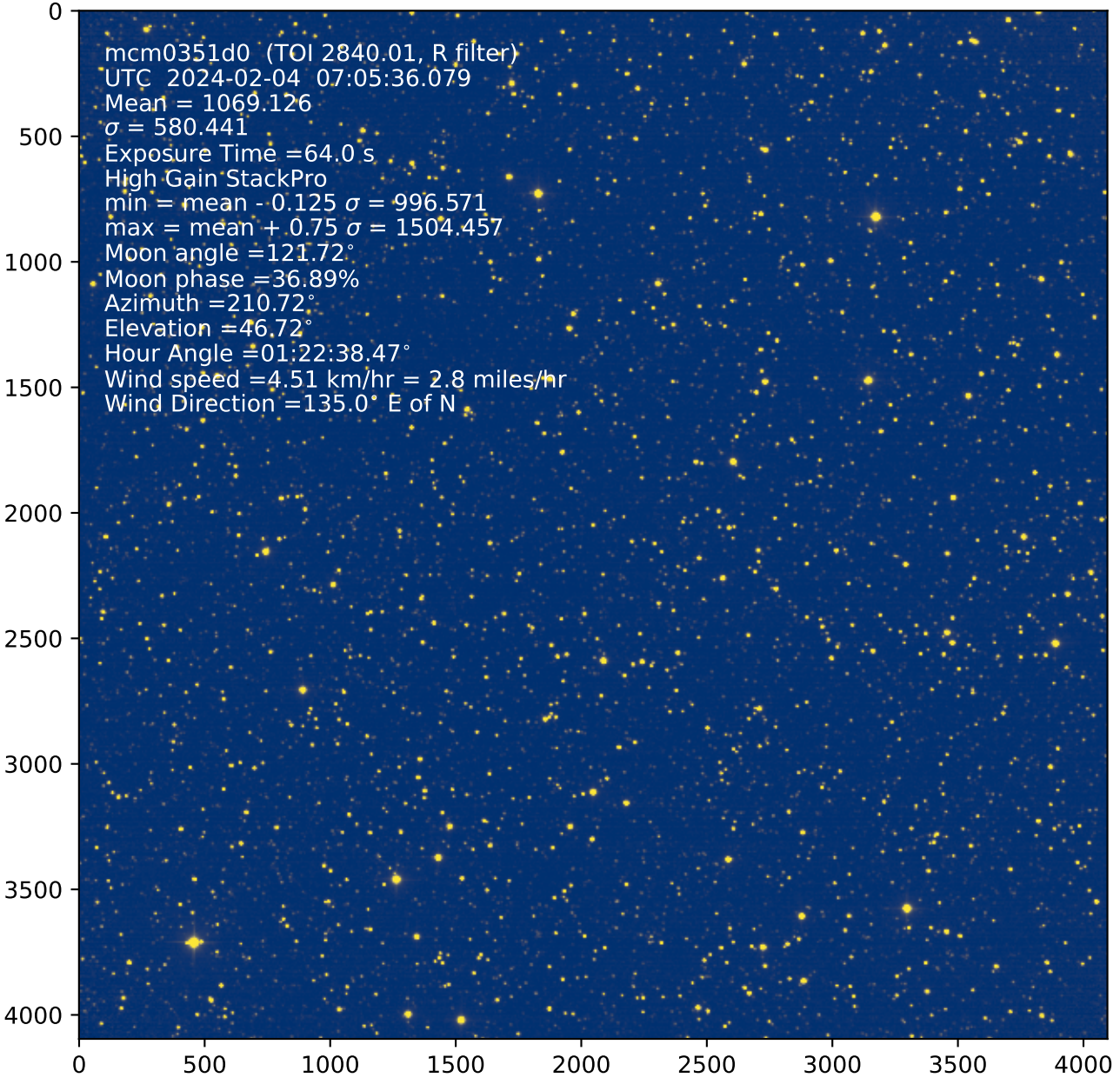

mcm035d3 (TOI 2840.01, R filter)
UTC 2024-02-04 06:59:35.429
Mean = 1001.357
σ = 26.157
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.088
max = mean + 0.75 σ = 1020.975
Moon angle =121.68°
Moon phase =36.92%
Azimuth =208.91°
Elevation =47.3°
Hour Angle =01:17:08.57°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

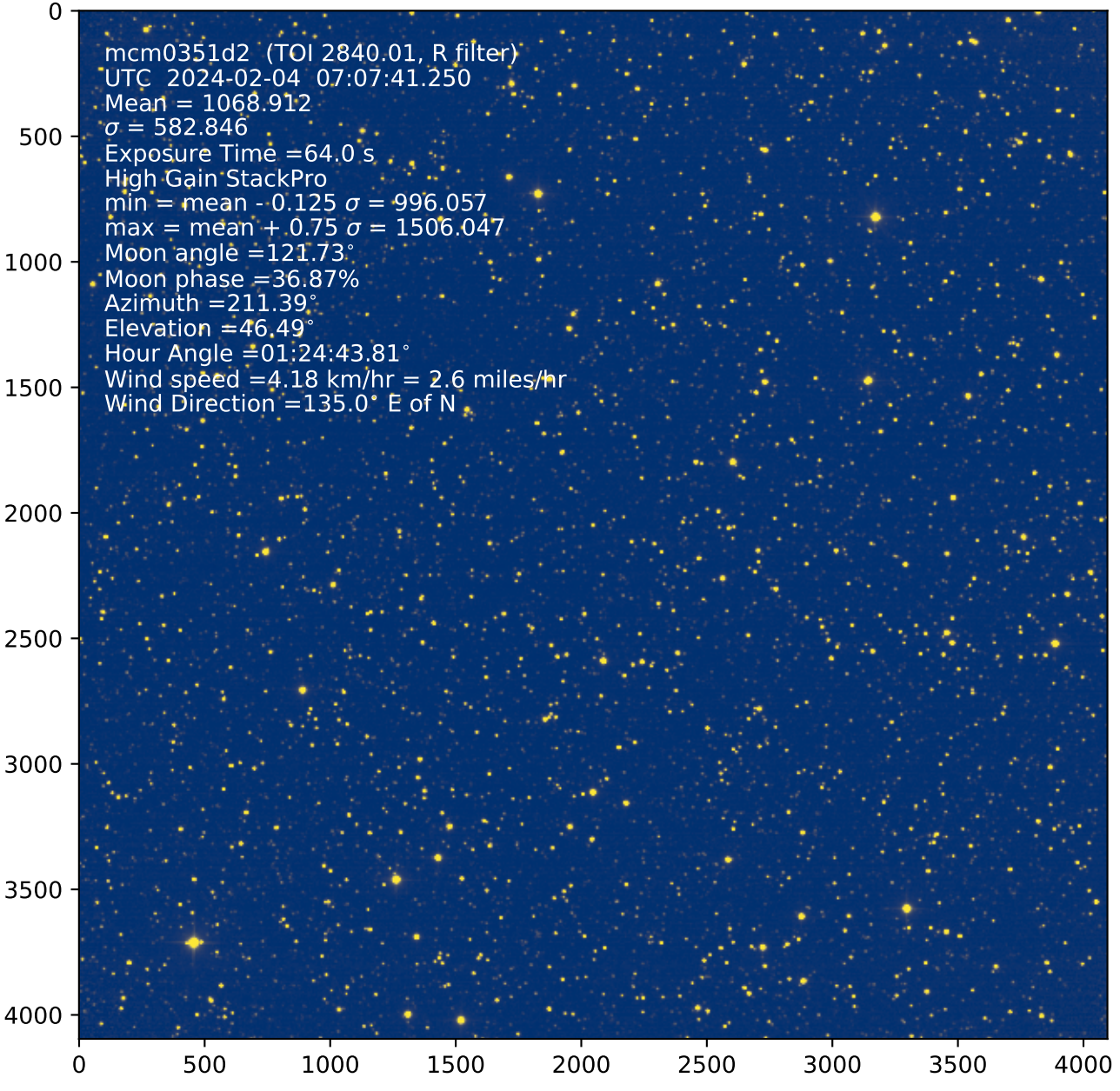

mcm035d2 (TOI 2840.01, R filter)
UTC 2024-02-04 07:00:40.750
Mean = 1003.167
σ = 38.141
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.399
max = mean + 0.75 σ = 1031.772
Moon angle =121.69°
Moon phase =36.92%
Azimuth =209.27°
Elevation =47.18°
Hour Angle =01:18:14.75°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

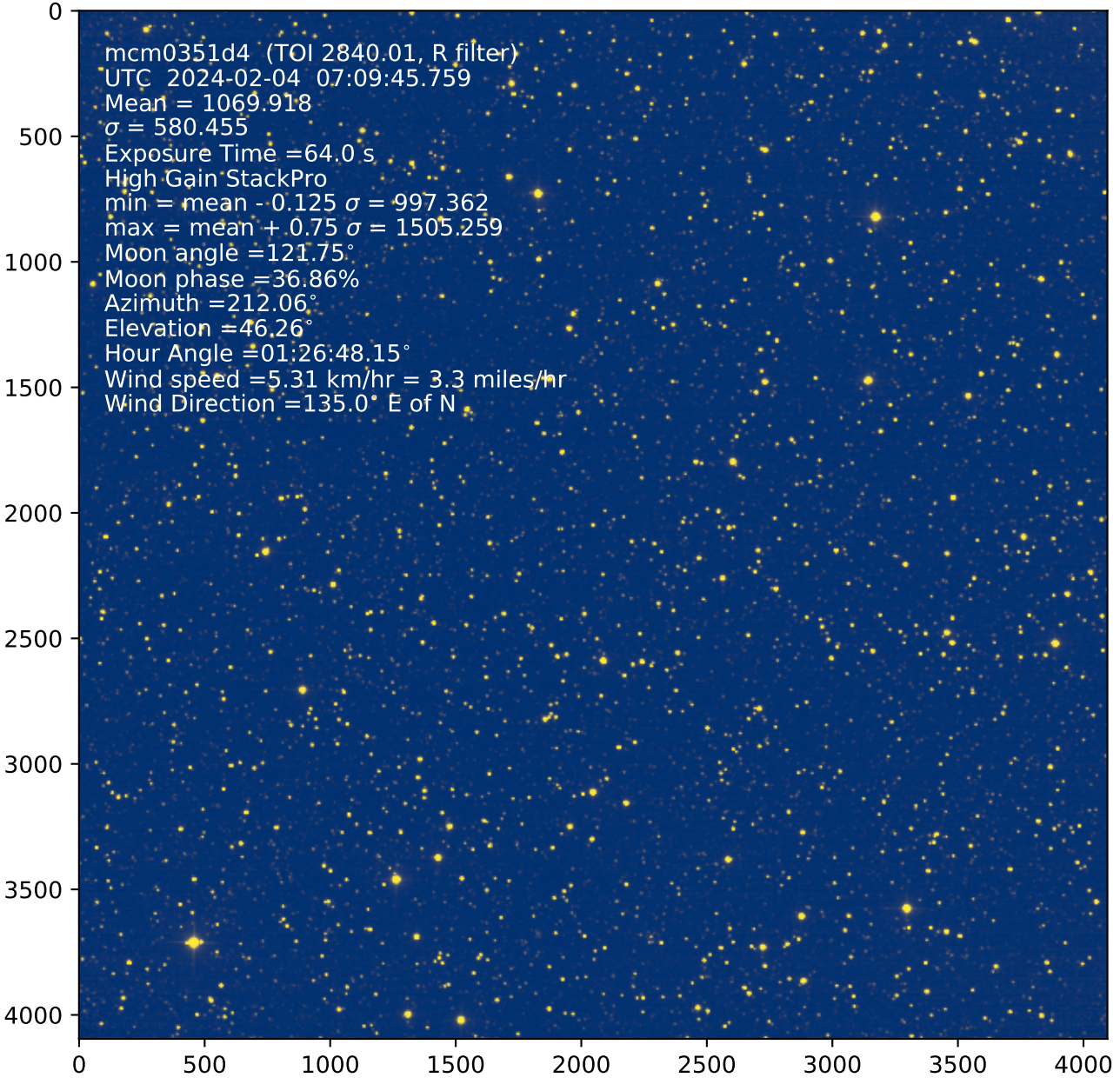

mcm0351cc (TOI 2840.01, R filter)
UTC 2024-02-04 07:02:09.750
Mean = 1068.234
σ = 584.259
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 995.202
max = mean + 0.75 σ = 1506.429
Moon angle =121.69°
Moon phase =36.91%
Azimuth =209.58°
Elevation =47.09°
Hour Angle =01:19:10.91°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

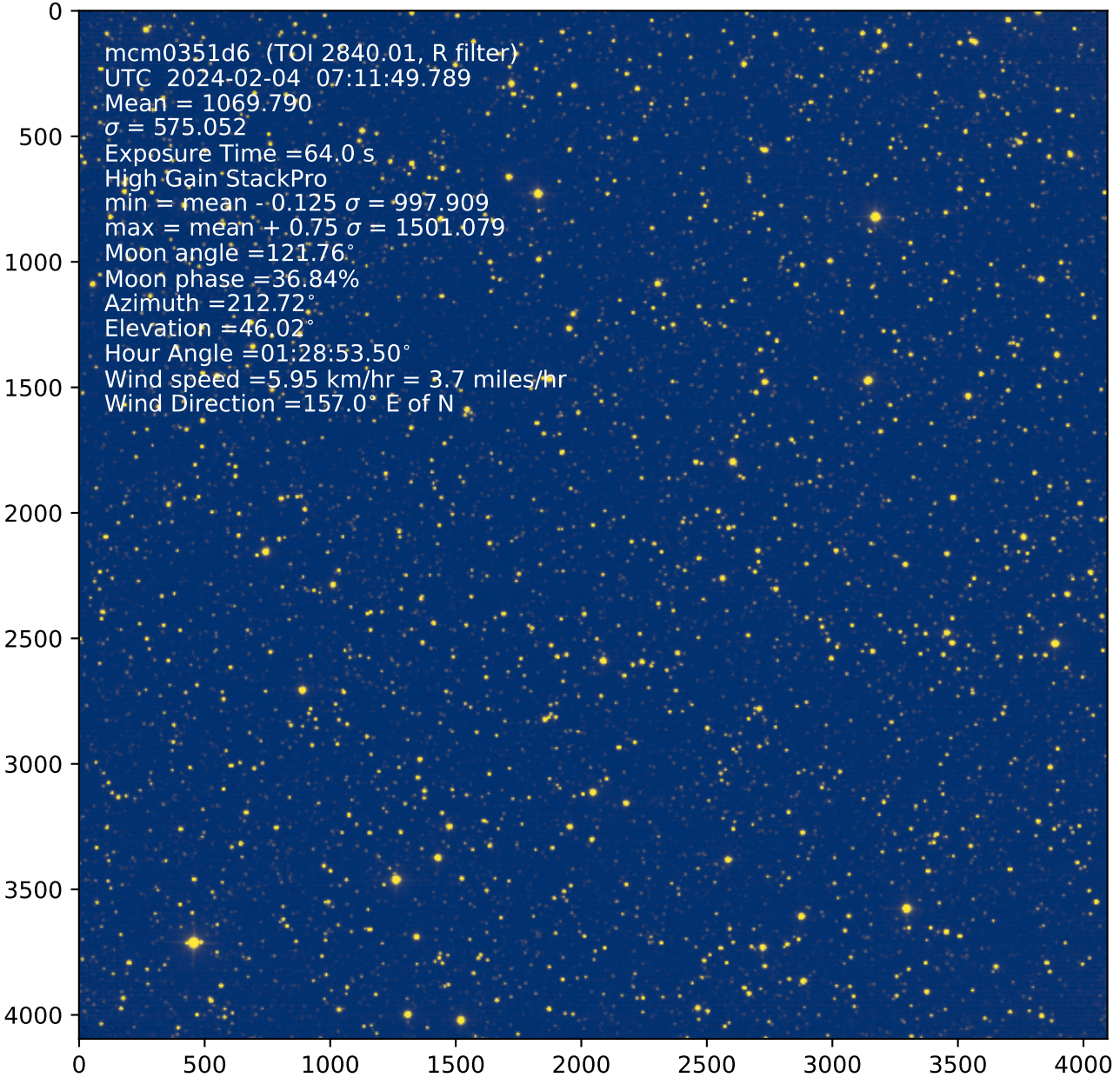

mcm035d7 (TOI 2840.01, R filter)
UTC 2024-02-04 07:03:42.159
Mean = 1001.429
σ = 25.429
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.25
max = mean + 0.75 σ = 1020.5
Moon angle =121.71°
Moon phase =36.9%
Azimuth =210.27°
Elevation =46.86°
Hour Angle =01:21:16.25°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

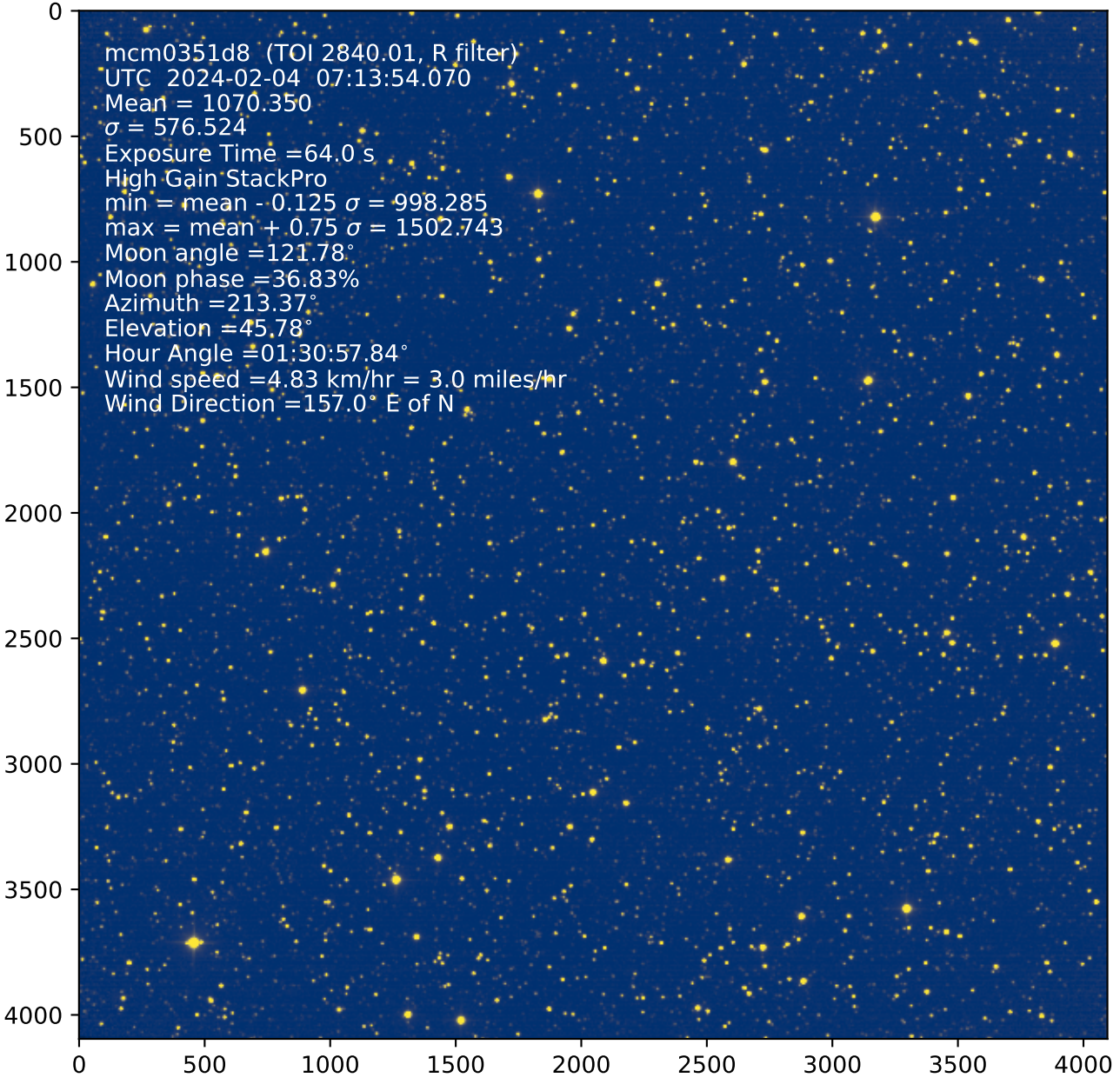

mcm035d6 (TOI 2840.01, R filter)
UTC 2024-02-04 07:04:07.480
Mean = 1003.230
σ = 37.791
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.506
max = mean + 0.75 σ = 1031.574
Moon angle =121.71°
Moon phase =36.89%
Azimuth =210.4°
Elevation =46.82°
Hour Angle =01:21:41.32°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

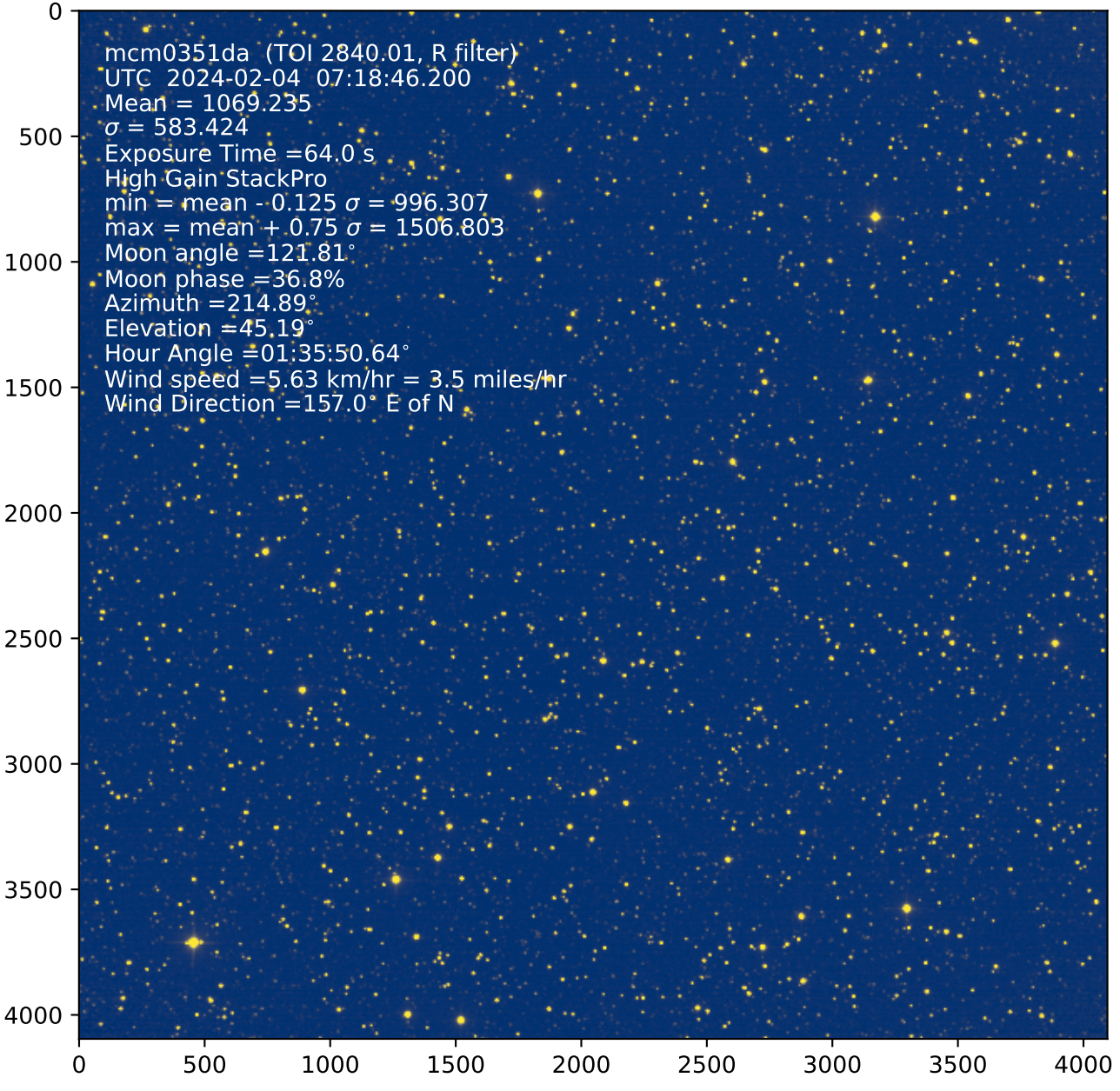

mcm0351d0 (TOI 2840.01, R filter)
UTC 2024-02-04 07:05:36.079
Mean = 1069.126
σ = 580.441
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.571
max = mean + 0.75 σ = 1504.457
Moon angle =121.72°
Moon phase =36.89%
Azimuth =210.72°
Elevation =46.72°
Hour Angle =01:22:38.47°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

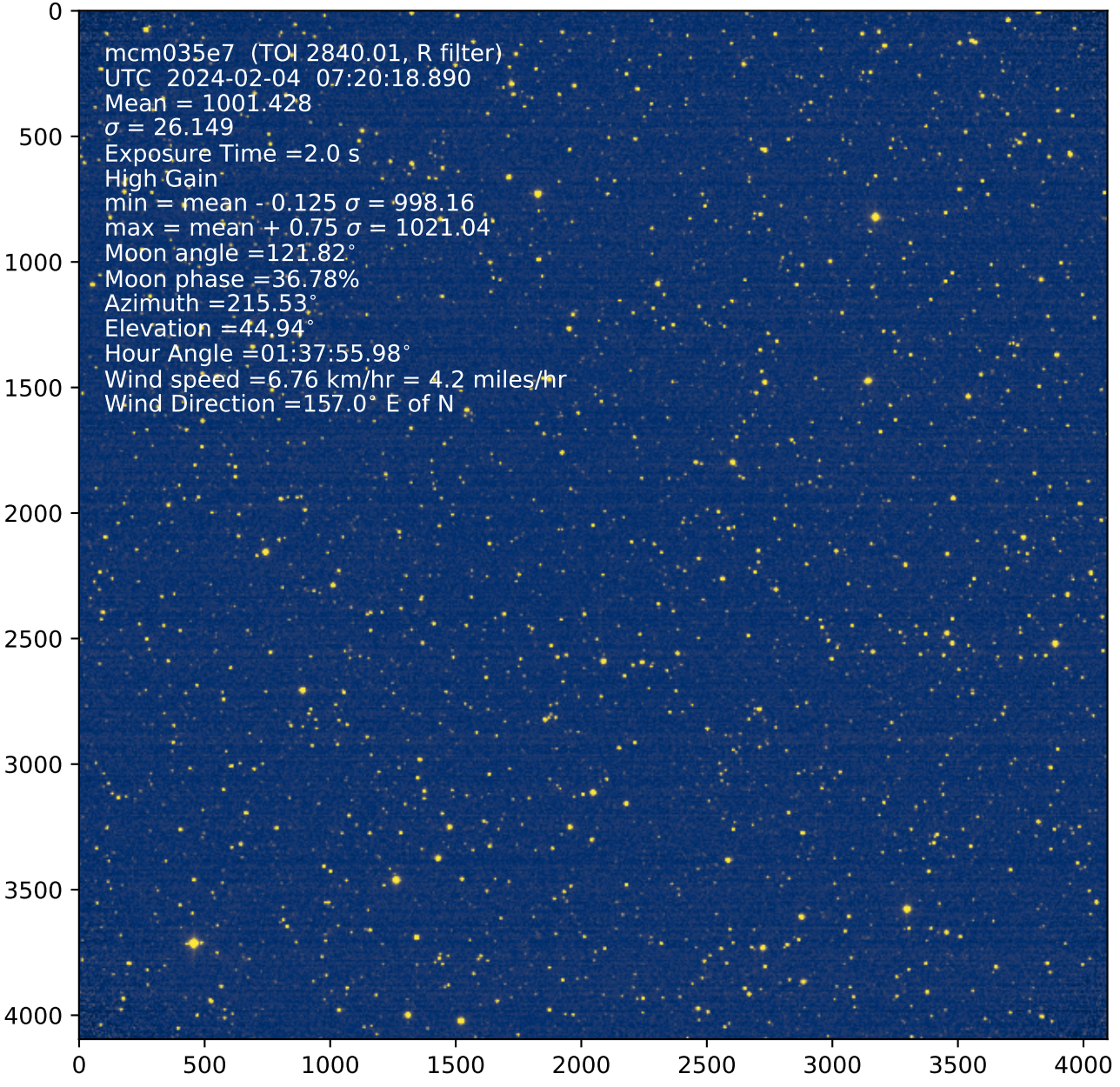

mcm0351d2 (TOI 2840.01, R filter)
UTC 2024-02-04 07:07:41.250
Mean = 1068.912
σ = 582.846
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.057
max = mean + 0.75 σ = 1506.047
Moon angle =121.73°
Moon phase =36.87%
Azimuth =211.39°
Elevation =46.49°
Hour Angle =01:24:43.81°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

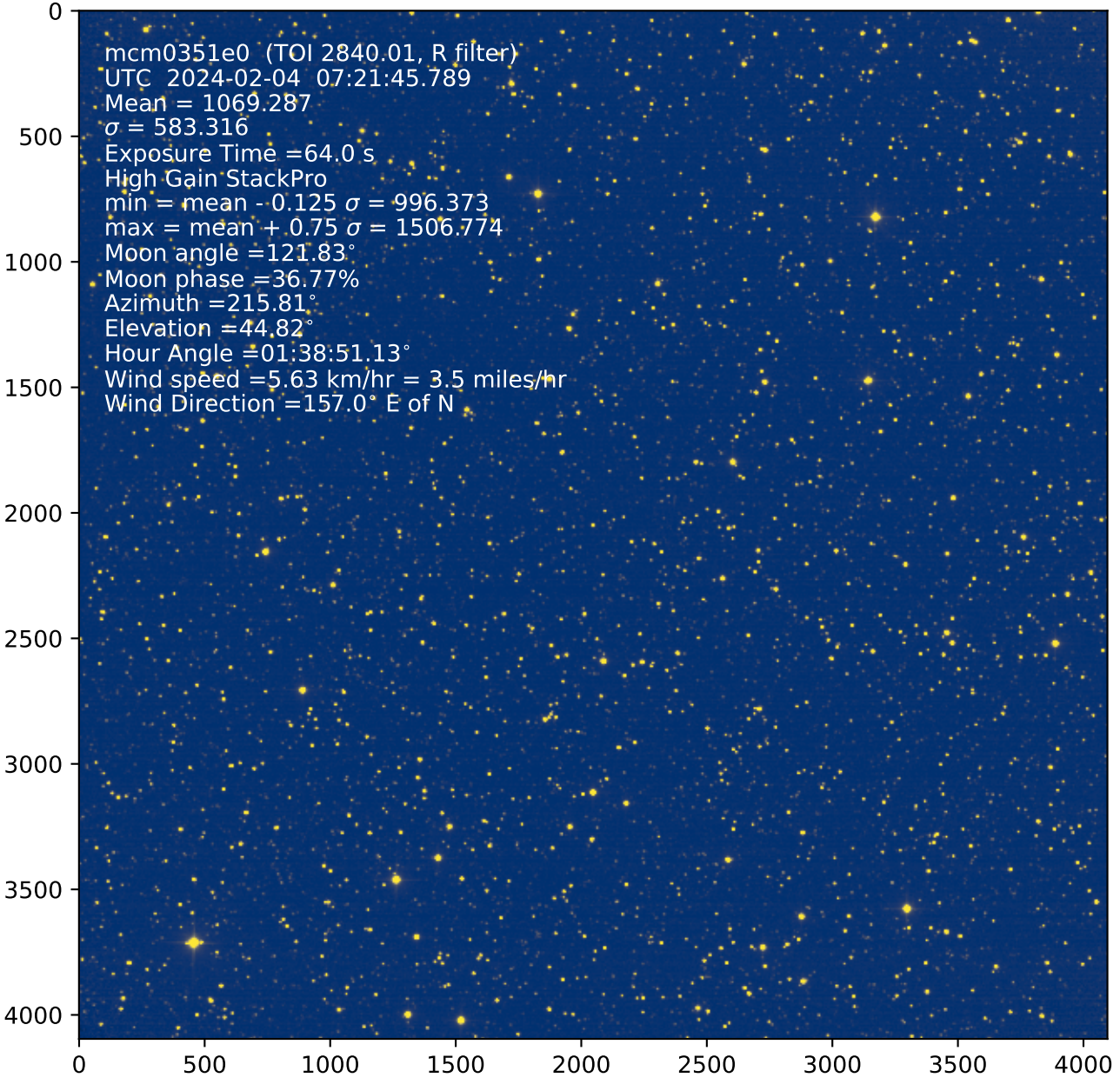

mcm0351d4 (TOI 2840.01, R filter)
UTC 2024-02-04 07:09:45.759
Mean = 1069.918
σ = 580.455
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.362
max = mean + 0.75 σ = 1505.259
Moon angle =121.75°
Moon phase =36.86%
Azimuth =212.06°
Elevation =46.26°
Hour Angle =01:26:48.15°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

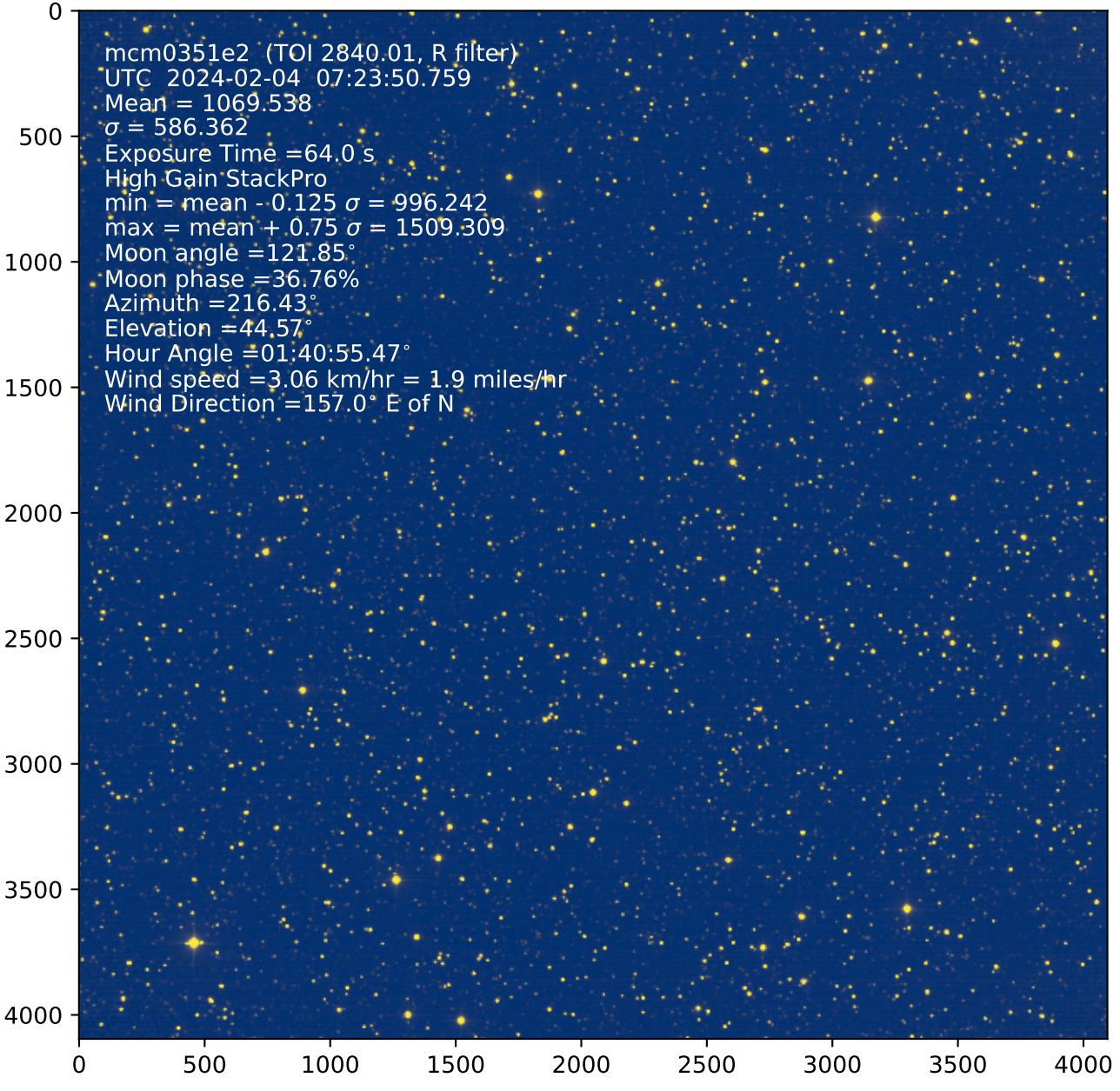

mcm0351d6 (TOI 2840.01, R filter)
UTC 2024-02-04 07:11:49.789
Mean = 1069.790
σ = 575.052
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.909
max = mean + 0.75 σ = 1501.079
Moon angle =121.76°
Moon phase =36.84%
Azimuth =212.72°
Elevation =46.02°
Hour Angle =01:28:53.50°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

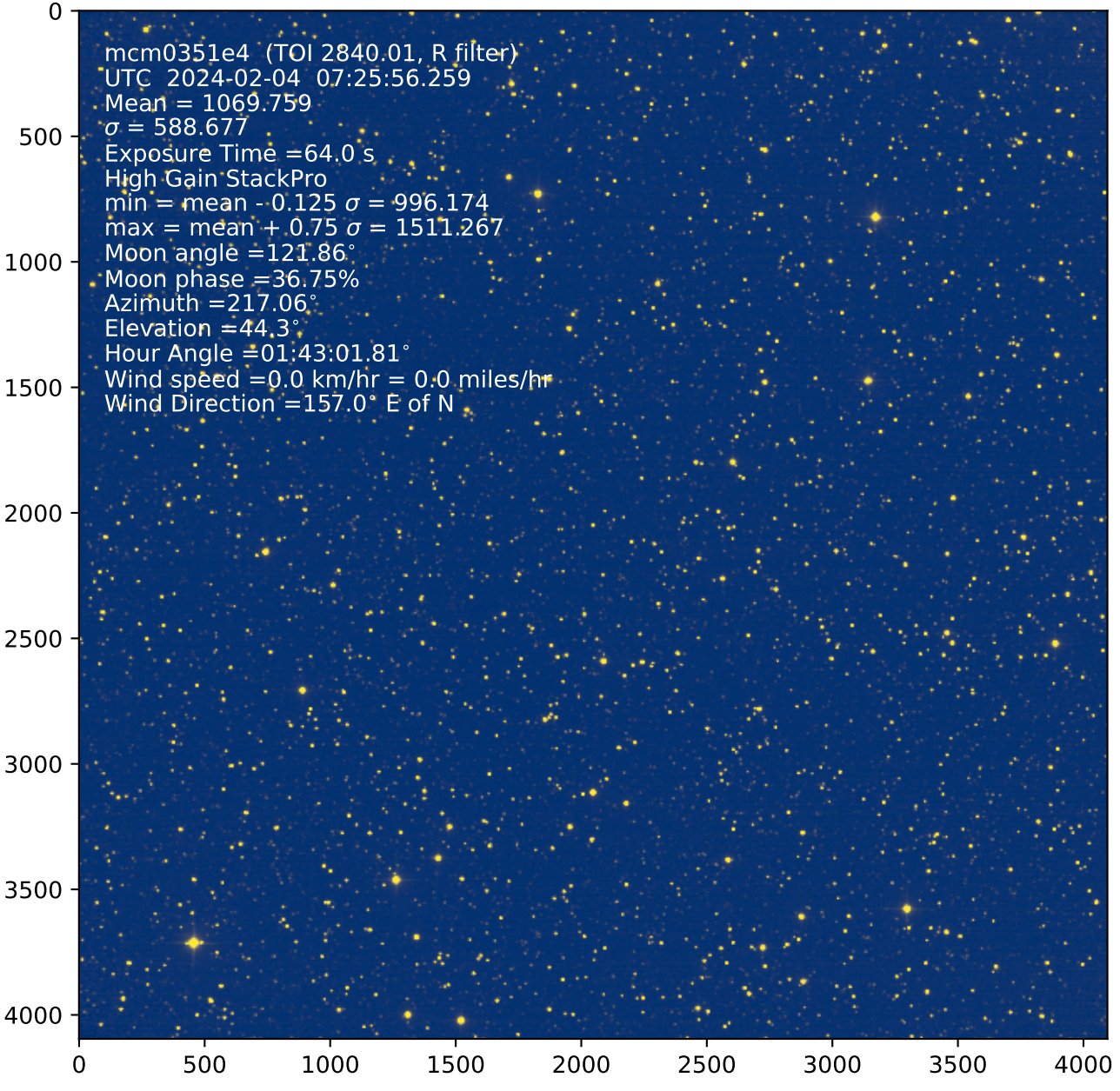

mcm0351d8 (TOI 2840.01, R filter)
UTC 2024-02-04 07:13:54.070
Mean = 1070.350
σ = 576.524
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 998.285
max = mean + 0.75 σ = 1502.743
Moon angle =121.78°
Moon phase =36.83%
Azimuth =213.37°
Elevation =45.78°
Hour Angle =01:30:57.84°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

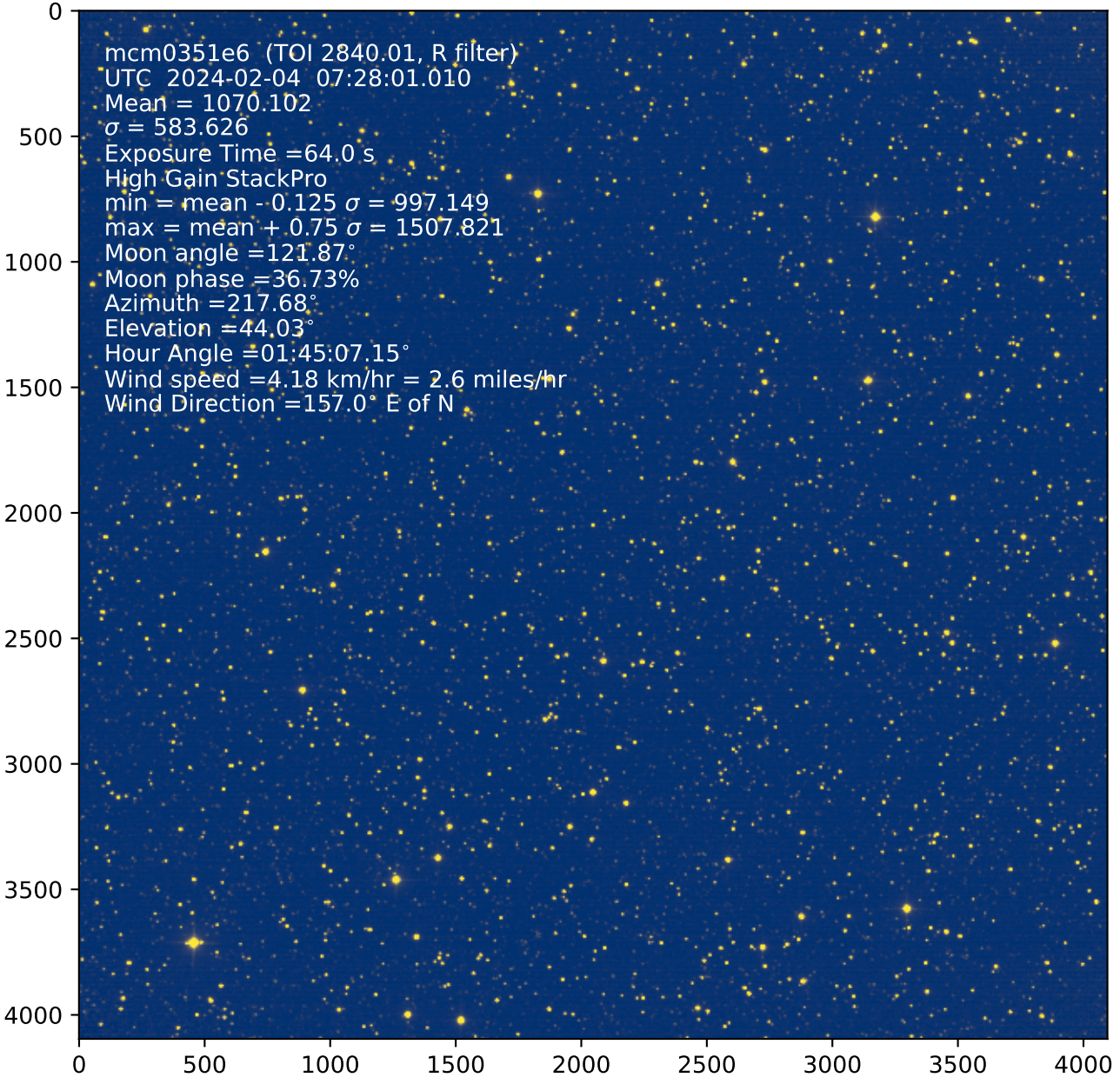

mcm0351da (TOI 2840.01, R filter)
UTC 2024-02-04 07:18:46.200
Mean = 1069.235
σ = 583.424
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.307
max = mean + 0.75 σ = 1506.803
Moon angle =121.81°
Moon phase =36.8%
Azimuth =214.89°
Elevation =45.19°
Hour Angle =01:35:50.64°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

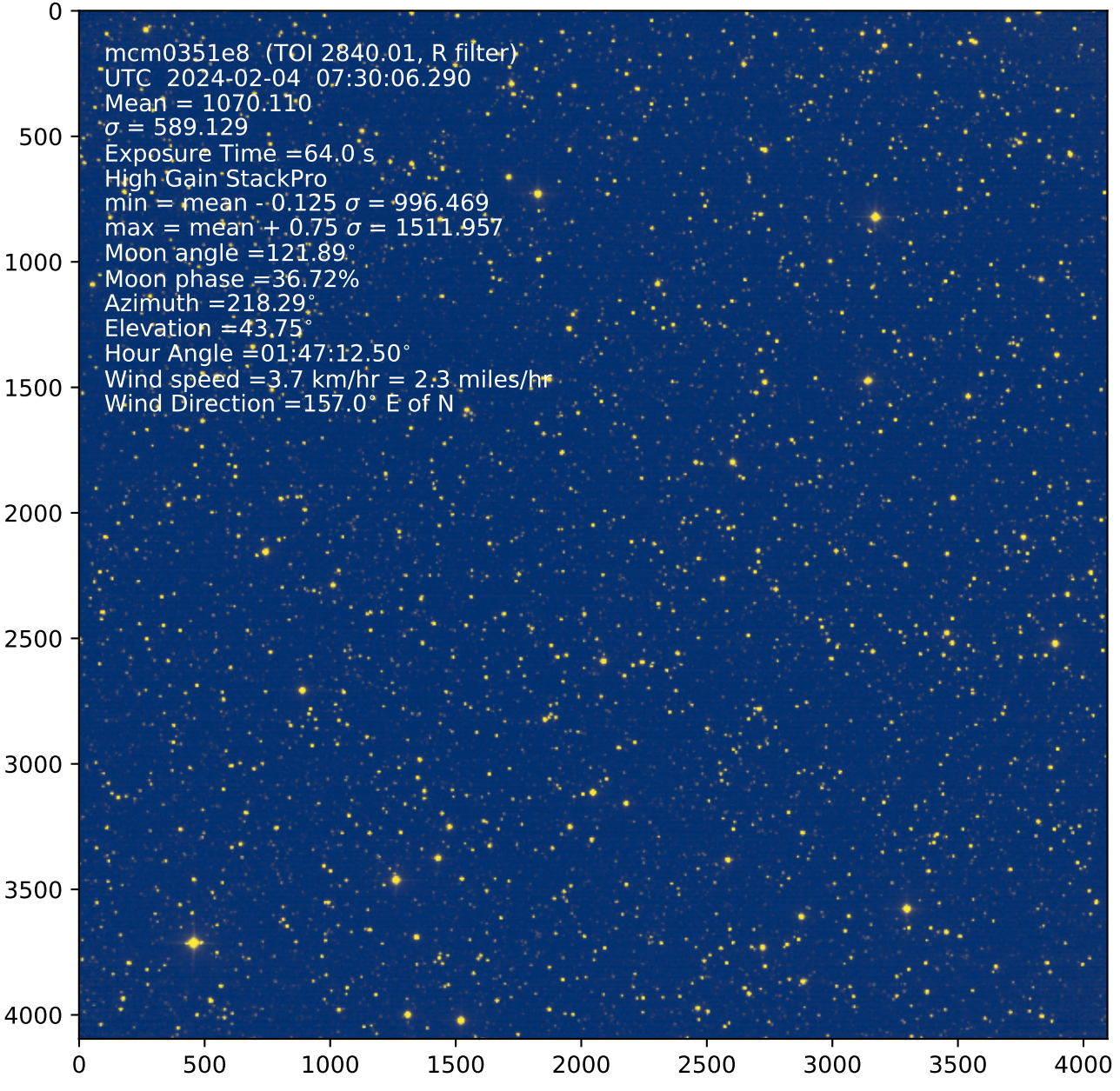

mcm035e7 (TOI 2840.01, R filter)
UTC 2024-02-04 07:20:18.890
Mean = 1001.428
σ = 26.149
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.16
max = mean + 0.75 σ = 1021.04
Moon angle =121.82°
Moon phase =36.78%
Azimuth =215.53°
Elevation =44.94°
Hour Angle =01:37:55.98°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

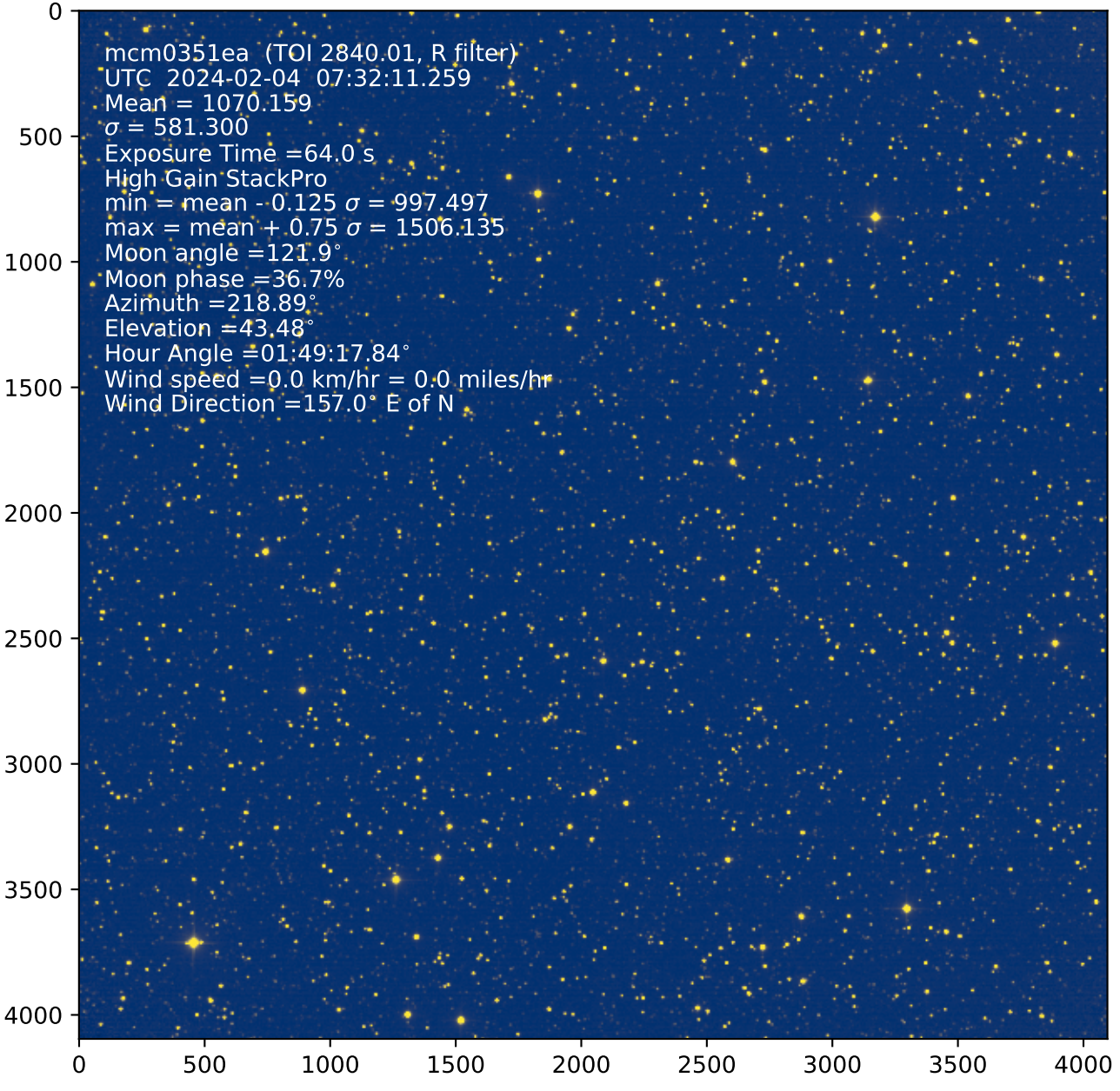

mcm0351e0 (TOI 2840.01, R filter)
UTC 2024-02-04 07:21:45.789
Mean = 1069.287
σ = 583.316
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.373
max = mean + 0.75 σ = 1506.774
Moon angle =121.83°
Moon phase =36.77%
Azimuth =215.81°
Elevation =44.82°
Hour Angle =01:38:51.13°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

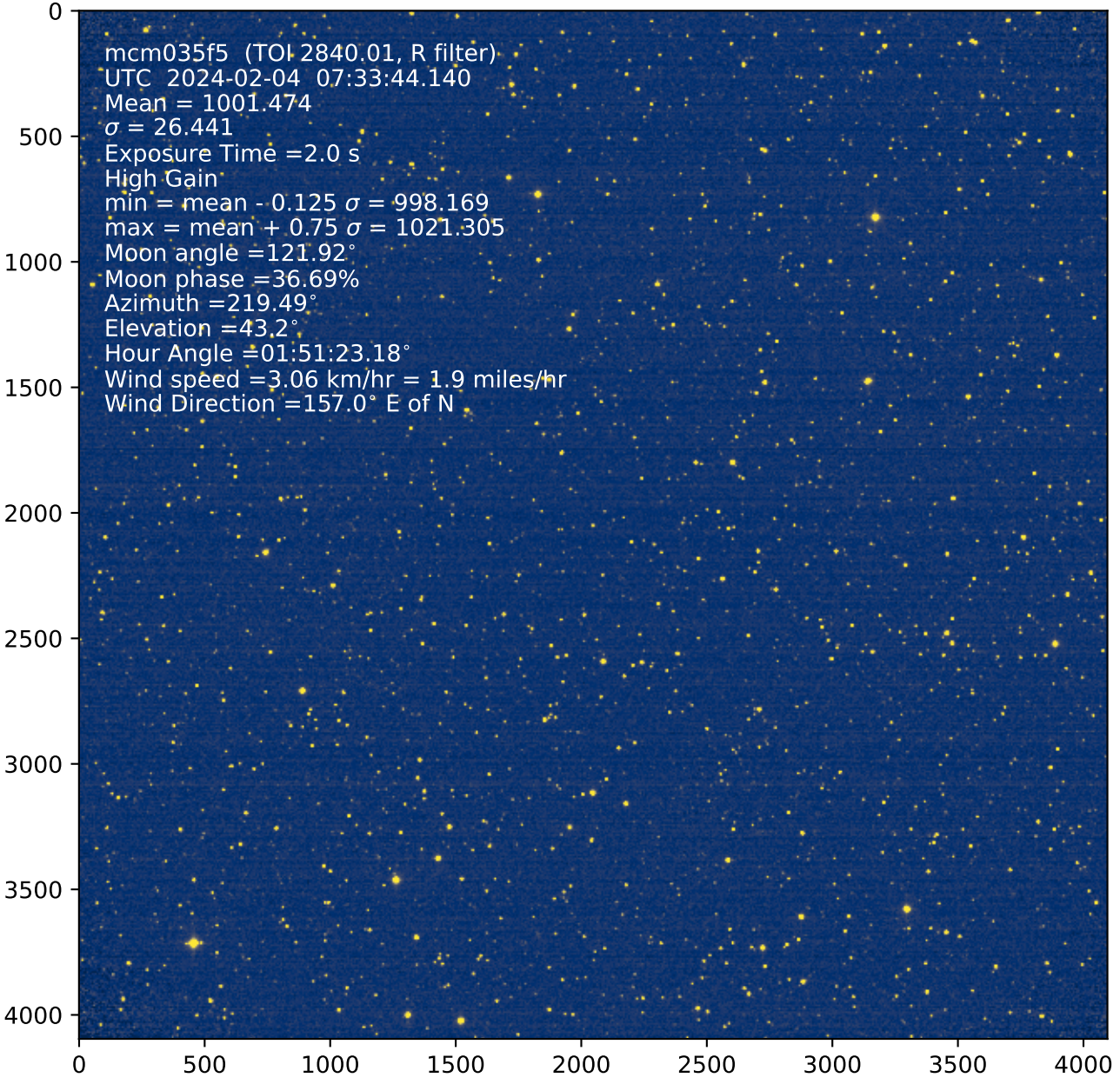

mcm0351e2 (TOI 2840.01, R filter)
UTC 2024-02-04 07:23:50.759
Mean = 1069.538
σ = 586.362
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.242
max = mean + 0.75 σ = 1509.309
Moon angle =121.85°
Moon phase =36.76%
Azimuth =216.43°
Elevation =44.57°
Hour Angle =01:40:55.47°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

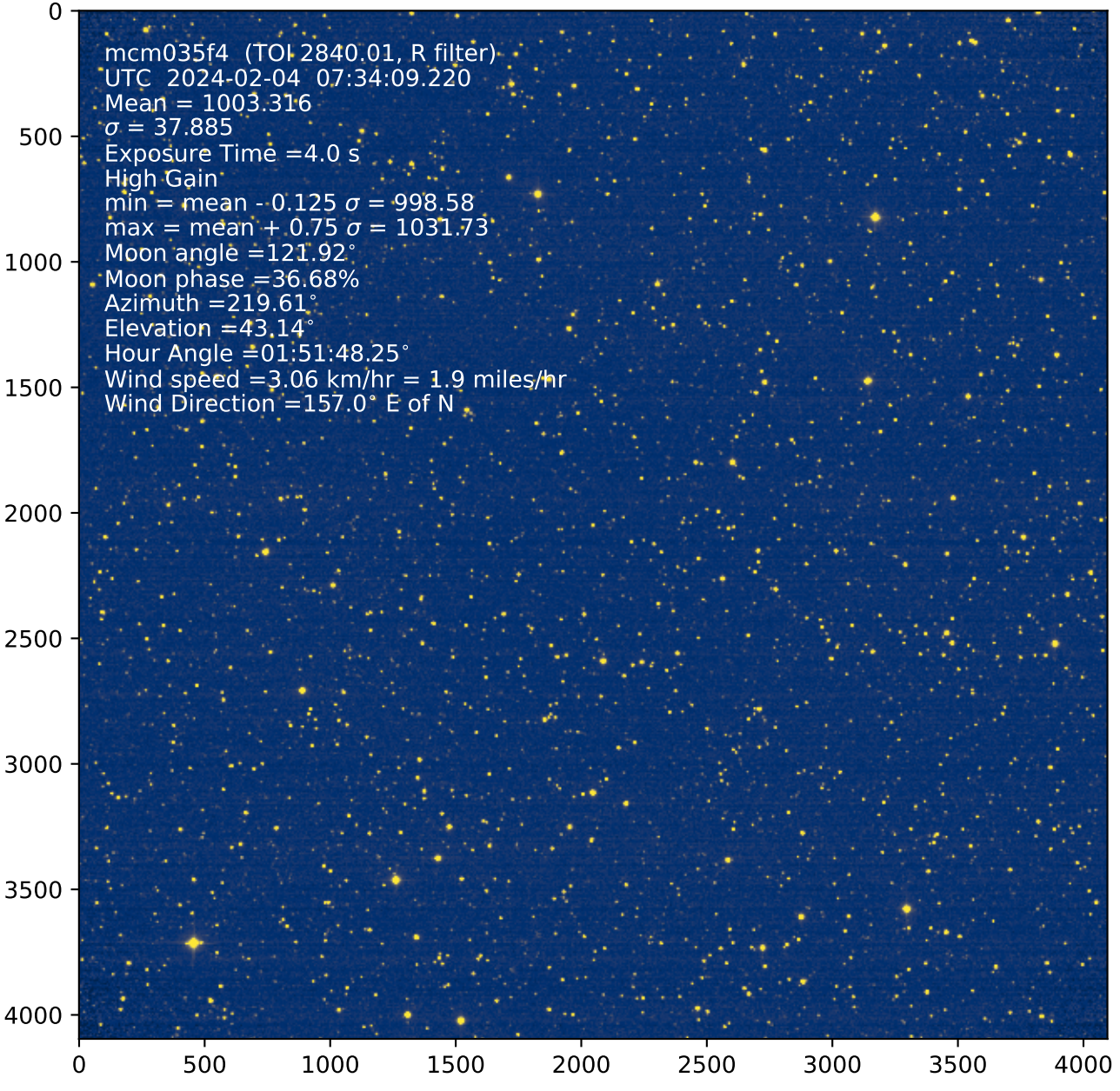

mcm0351e4 (TOI 2840.01, R filter)
UTC 2024-02-04 07:25:56.259
Mean = 1069.759
σ = 588.677
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.174
max = mean + 0.75 σ = 1511.267
Moon angle =121.86°
Moon phase =36.75%
Azimuth =217.06°
Elevation =44.3°
Hour Angle =01:43:01.81°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

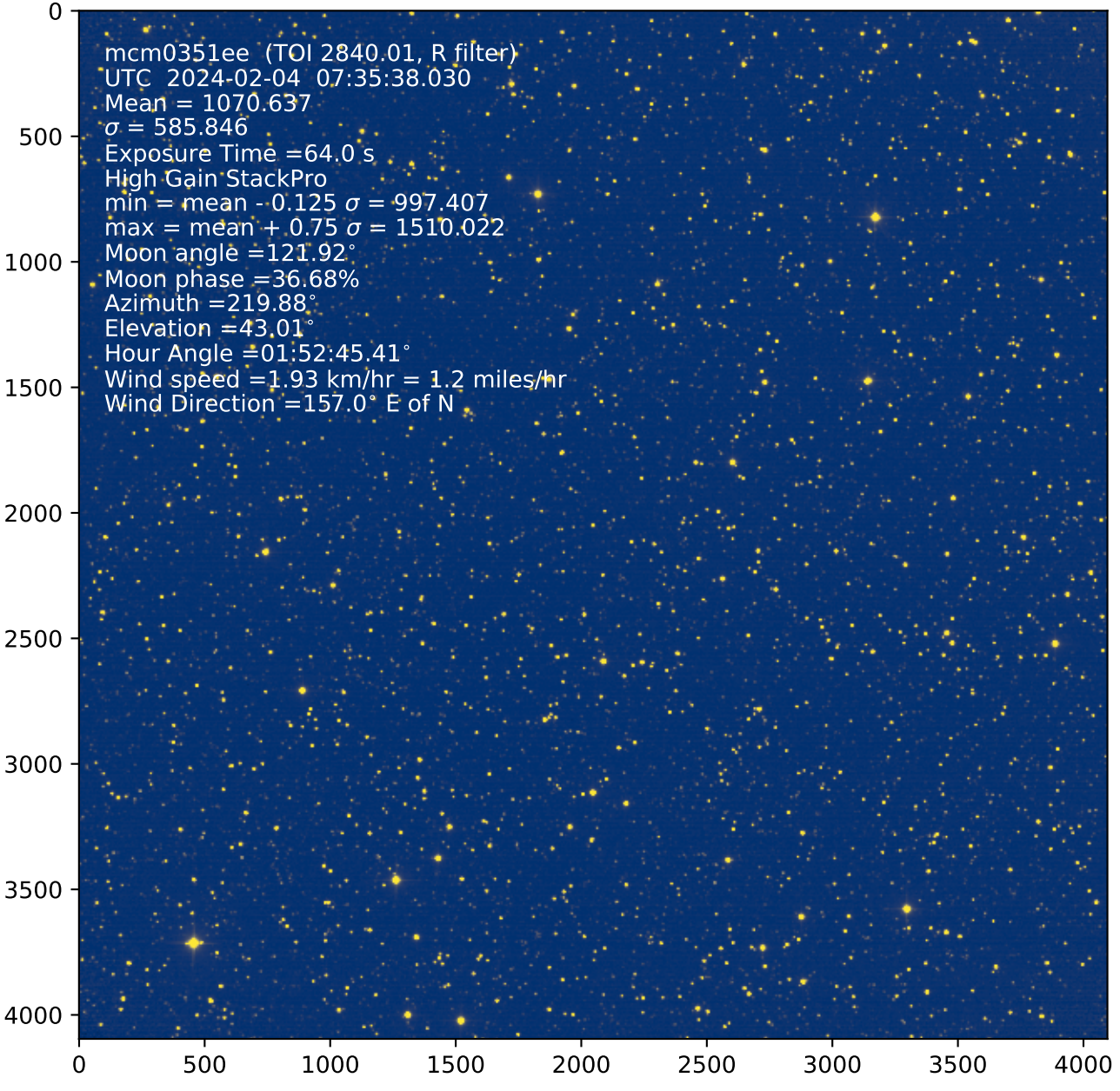

mcm0351e6 (TOI 2840.01, R filter)
UTC 2024-02-04 07:28:01.010
Mean = 1070.102
σ = 583.626
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.149
max = mean + 0.75 σ = 1507.821
Moon angle =121.87°
Moon phase =36.73%
Azimuth =217.68°
Elevation =44.03°
Hour Angle =01:45:07.15°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

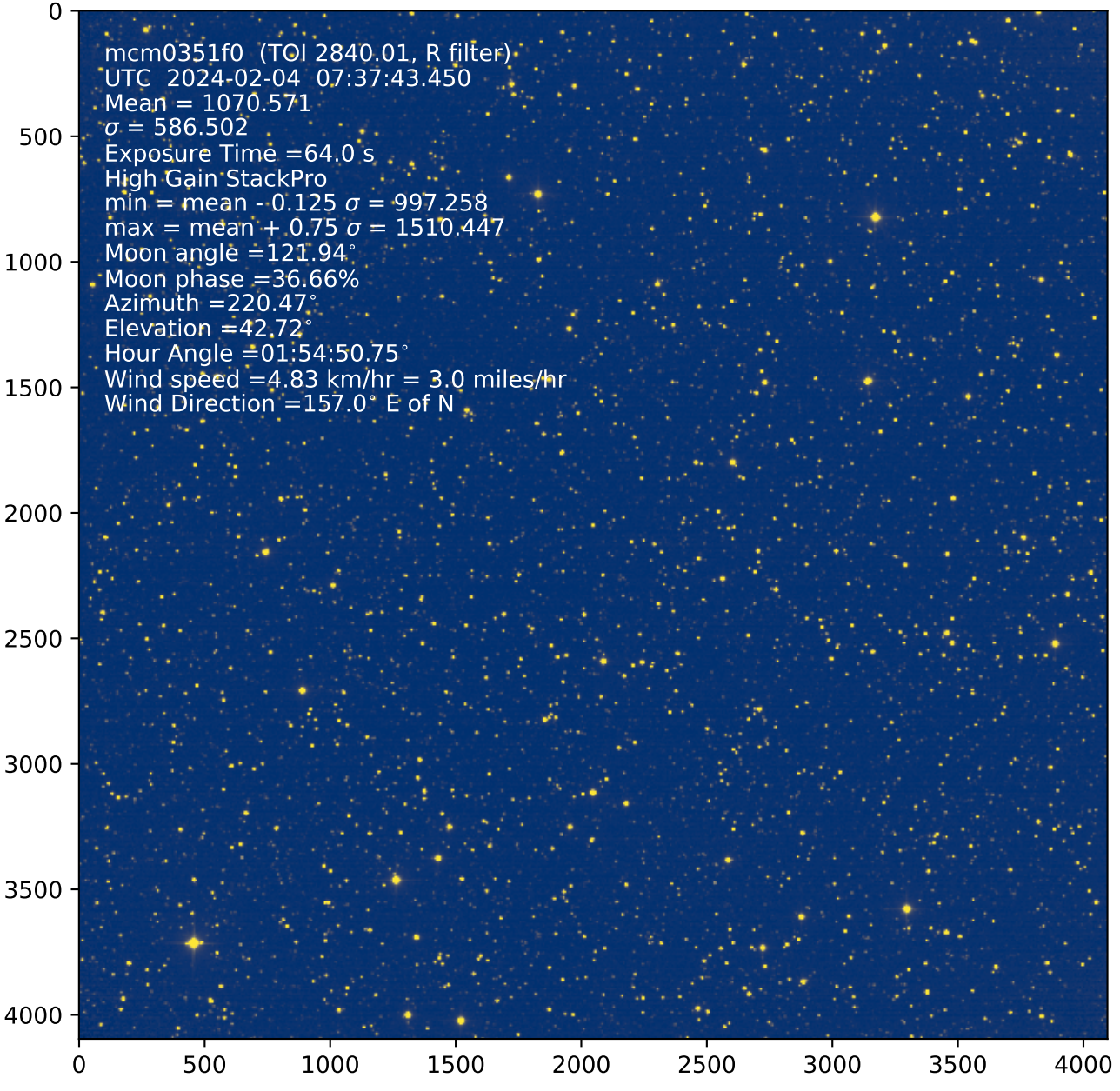

mcm0351e8 (TOI 2840.01, R filter)
UTC 2024-02-04 07:30:06.290
Mean = 1070.110
σ = 589.129
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.469
max = mean + 0.75 σ = 1511.957
Moon angle =121.89°
Moon phase =36.72%
Azimuth =218.29°
Elevation =43.75°
Hour Angle =01:47:12.50°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

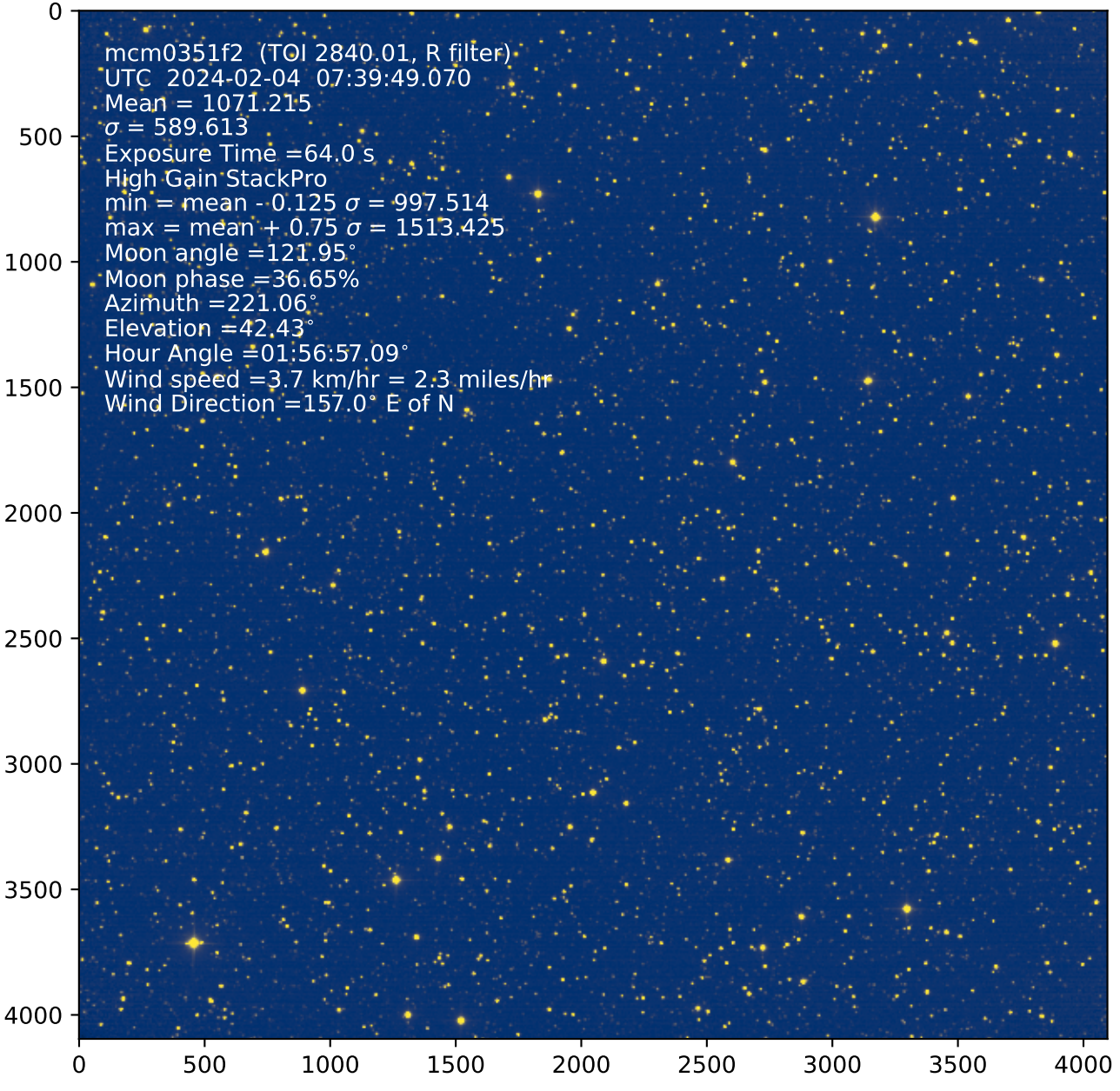

mcm0351ea (TOI 2840.01, R filter)
UTC 2024-02-04 07:32:11.259
Mean = 1070.159
σ = 581.300
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.497
max = mean + 0.75 σ = 1506.135
Moon angle =121.9°
Moon phase =36.7%
Azimuth =218.89°
Elevation =43.48°
Hour Angle =01:49:17.84°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

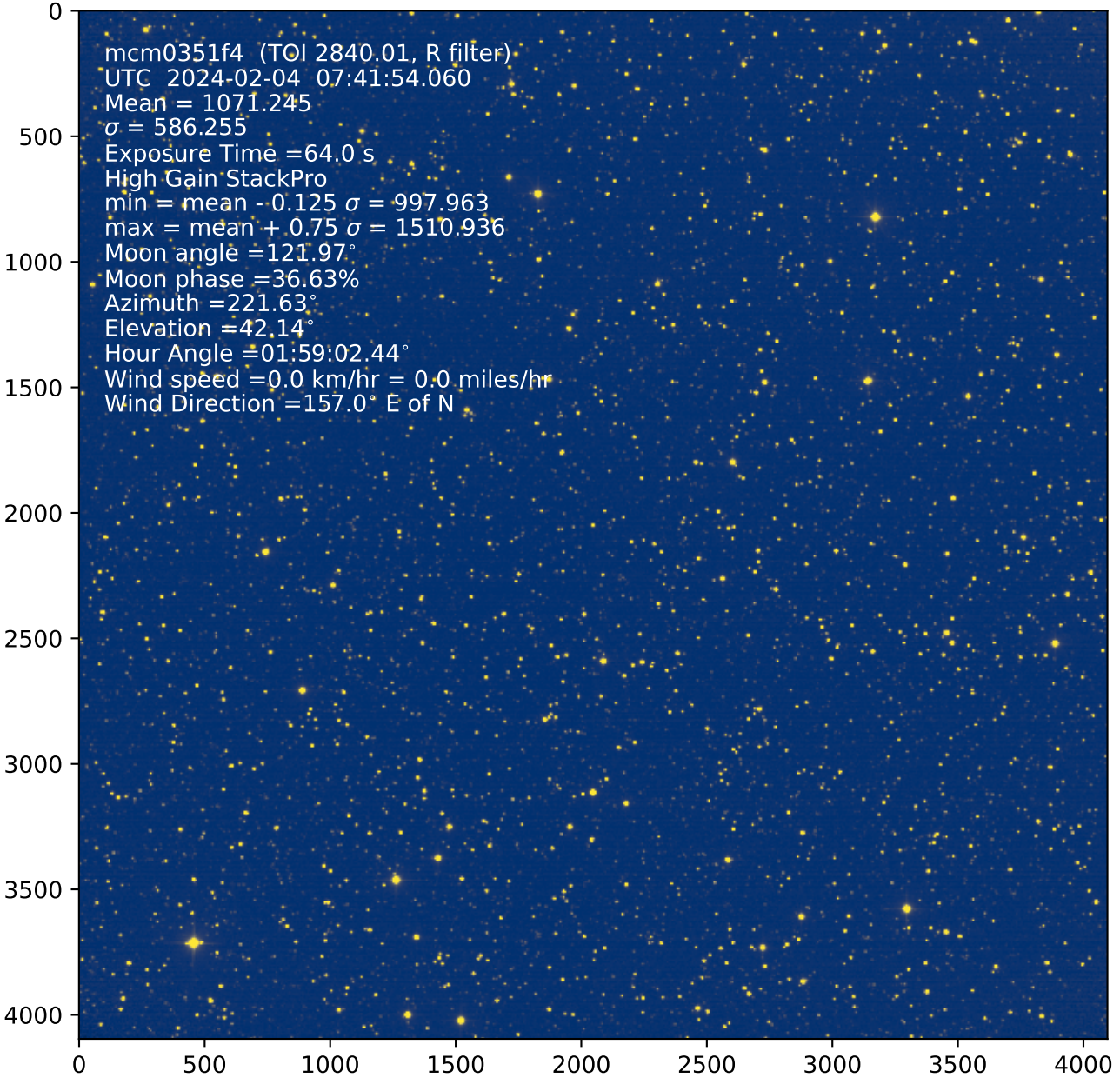

mcm035f5 (TOI 2840.01, R filter)
UTC 2024-02-04 07:33:44.140
Mean = 1001.474
σ = 26.441
Exposure Time =2.0 s
High Gain
min = mean - 0.125 σ = 998.169
max = mean + 0.75 σ = 1021.305
Moon angle =121.92°
Moon phase =36.69%
Azimuth =219.49°
Elevation =43.2°
Hour Angle =01:51:23.18°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

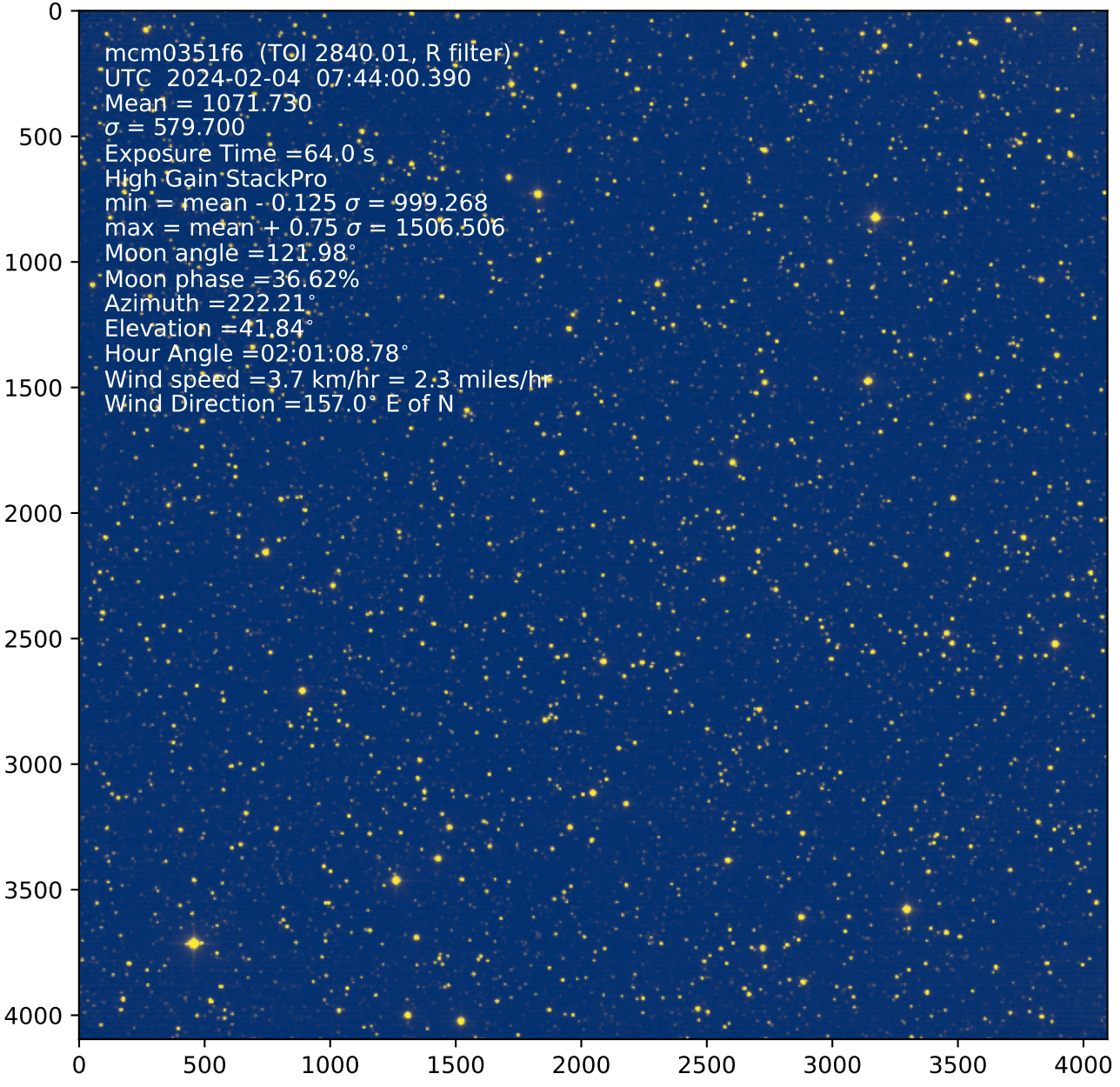

mcm035f4 (TOI 2840.01, R filter)
UTC 2024-02-04 07:34:09.220
Mean = 1003.316
σ = 37.885
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 998.58
max = mean + 0.75 σ = 1031.73
Moon angle =121.92°
Moon phase =36.68%
Azimuth =219.61°
Elevation =43.14°
Hour Angle =01:51:48.25°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

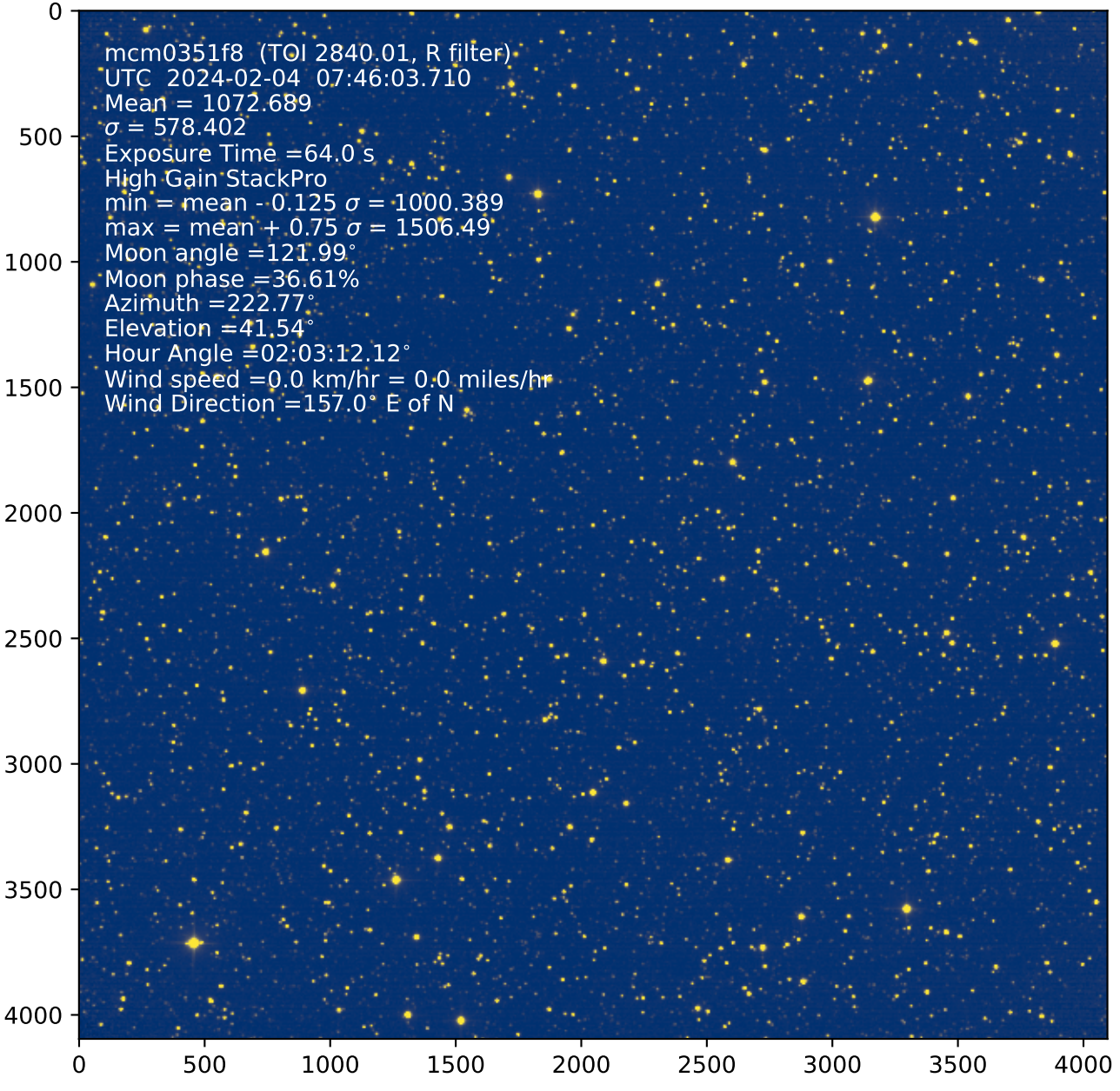

mcm0351ee (TOI 2840.01, R filter)
UTC 2024-02-04 07:35:38.030
Mean = 1070.637
σ = 585.846
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.407
max = mean + 0.75 σ = 1510.022
Moon angle =121.92°
Moon phase =36.68%
Azimuth =219.88°
Elevation =43.01°
Hour Angle =01:52:45.41°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

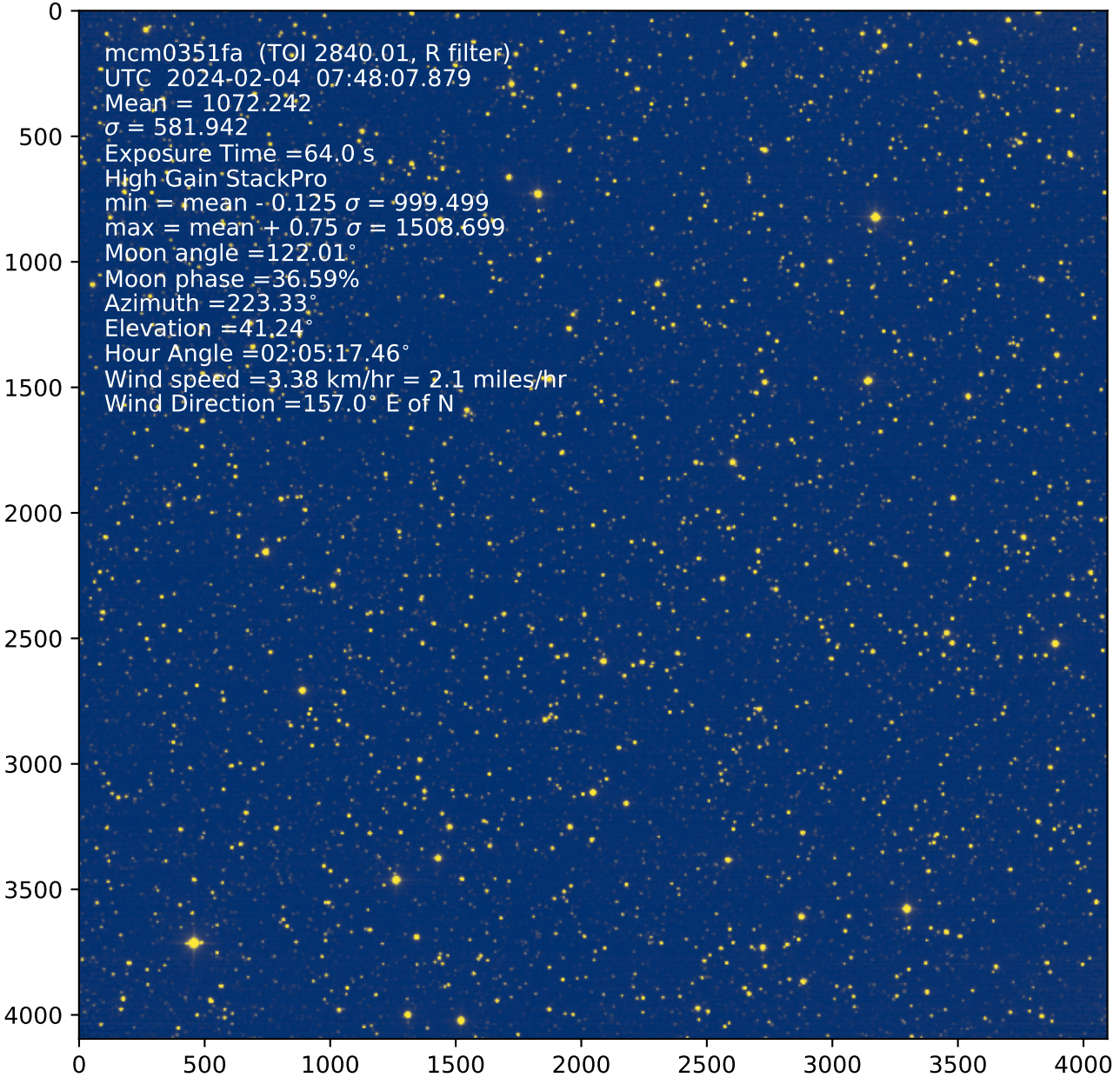

mcm0351f0 (TOI 2840.01, R filter)
UTC 2024-02-04 07:37:43.450
Mean = 1070.571
σ = 586.502
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.258
max = mean + 0.75 σ = 1510.447
Moon angle =121.94°
Moon phase =36.66%
Azimuth =220.47°
Elevation =42.72°
Hour Angle =01:54:50.75°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

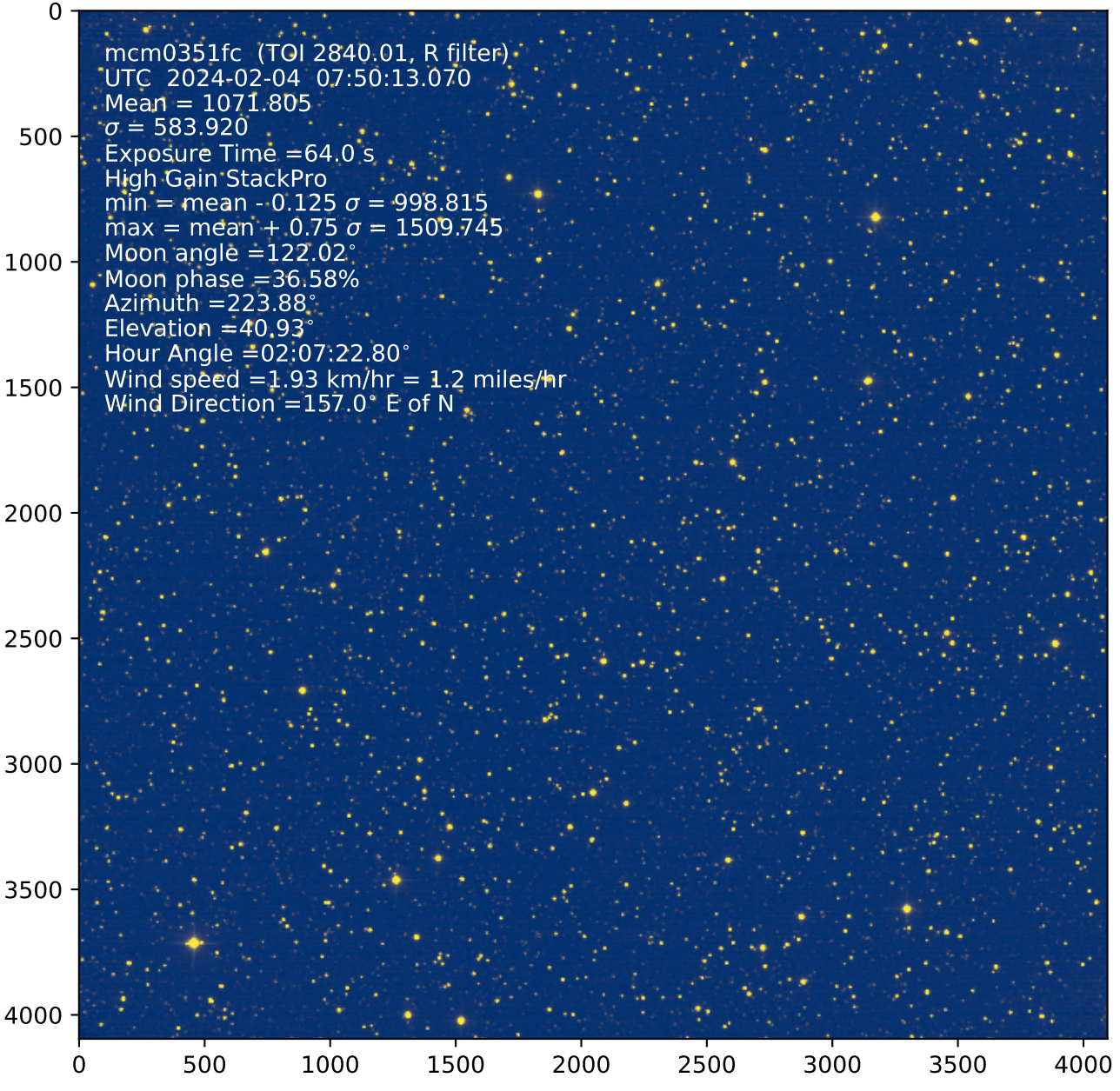

mcm0351f2 (TOI 2840.01, R filter)
UTC 2024-02-04 07:39:49.070
Mean = 1071.215
σ = 589.613
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.514
max = mean + 0.75 σ = 1513.425
Moon angle =121.95°
Moon phase =36.65%
Azimuth =221.06°
Elevation =42.43°
Hour Angle =01:56:57.09°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

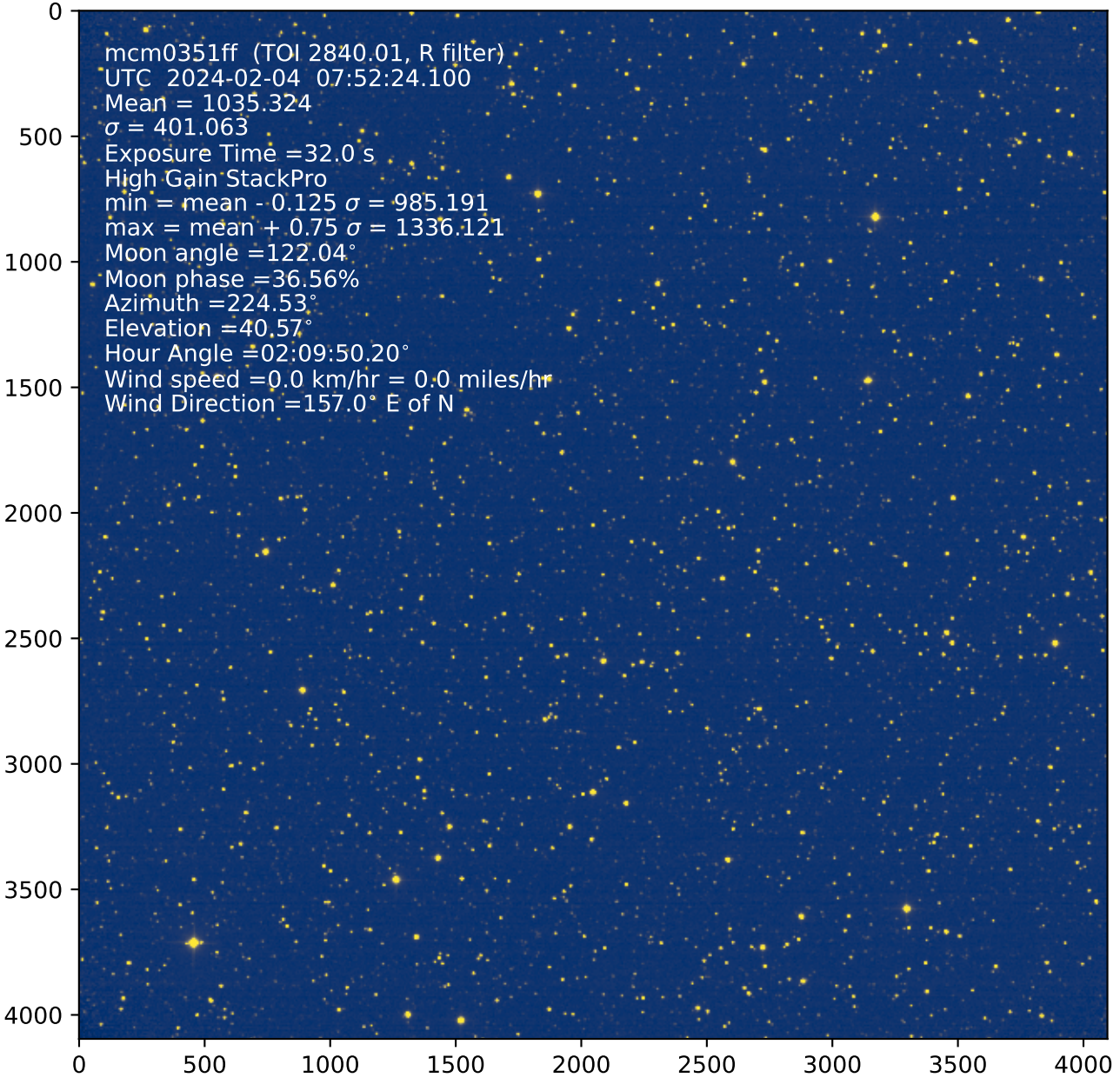

mcm0351f4 (TOI 2840.01, R filter)
UTC 2024-02-04 07:41:54.060
Mean = 1071.245
σ = 586.255
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.963
max = mean + 0.75 σ = 1510.936
Moon angle =121.97°
Moon phase =36.63%
Azimuth =221.63°
Elevation =42.14°
Hour Angle =01:59:02.44°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

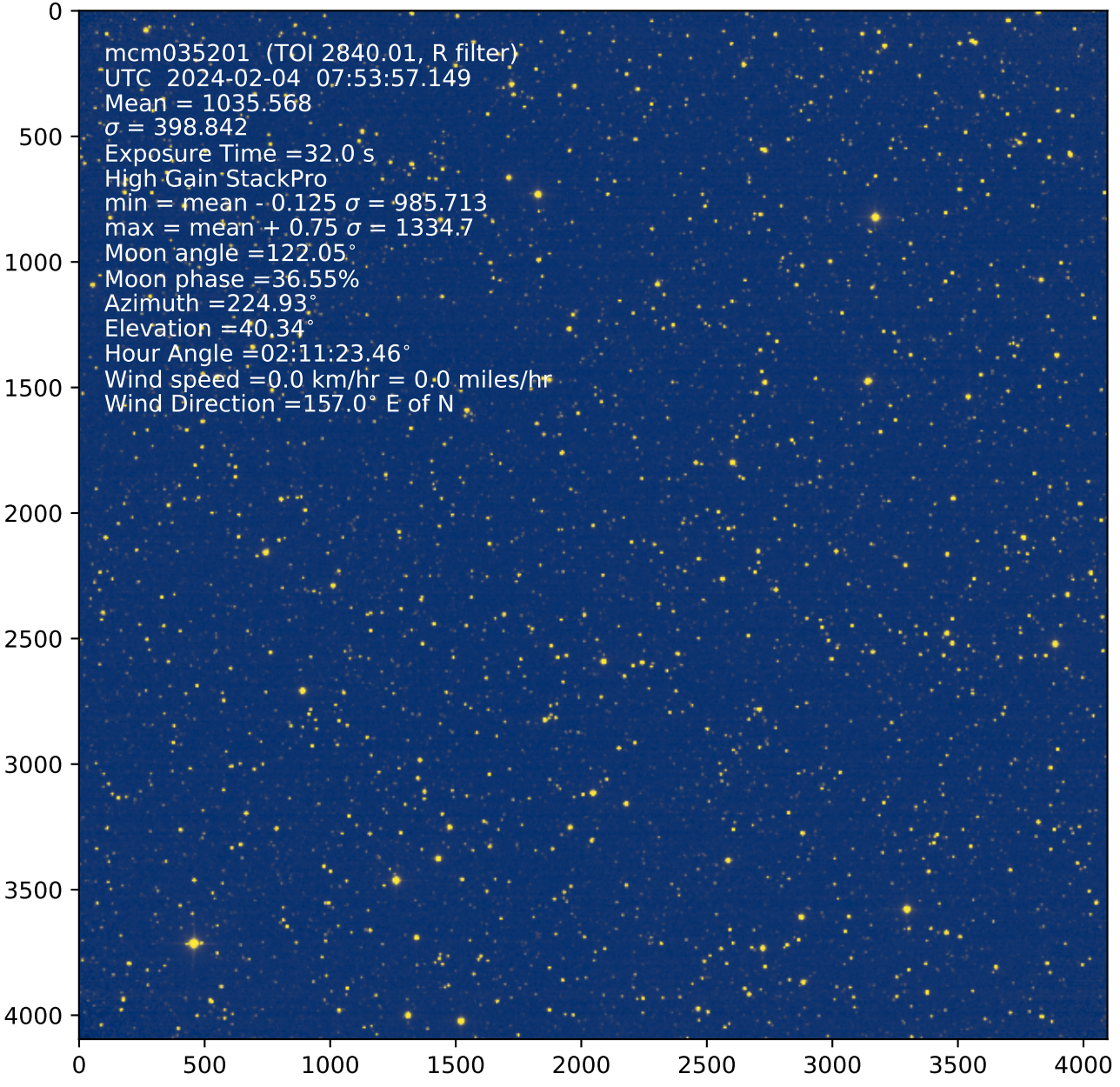

mcm0351f6 (TOI 2840.01, R filter)
UTC 2024-02-04 07:44:00.390
Mean = 1071.730
σ = 579.700
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 999.268
max = mean + 0.75 σ = 1506.506
Moon angle =121.98°
Moon phase =36.62%
Azimuth =222.21°
Elevation =41.84°
Hour Angle =02:01:08.78°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

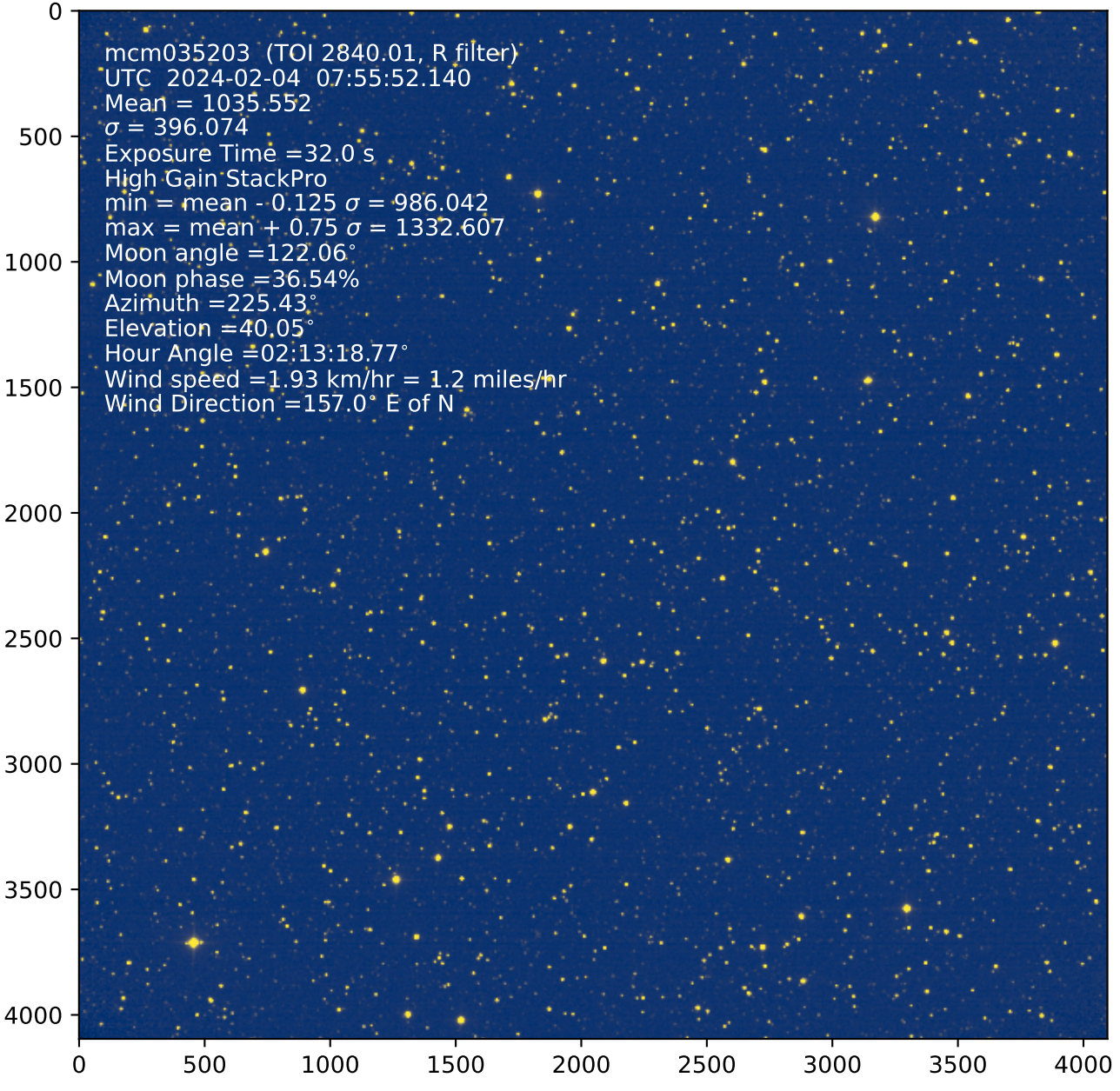

mcm0351f8 (TOI 2840.01, R filter)
UTC 2024-02-04 07:46:03.710
Mean = 1072.689
σ = 578.402
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1000.389
max = mean + 0.75 σ = 1506.49
Moon angle =121.99°
Moon phase =36.61%
Azimuth =222.77°
Elevation =41.54°
Hour Angle =02:03:12.12°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

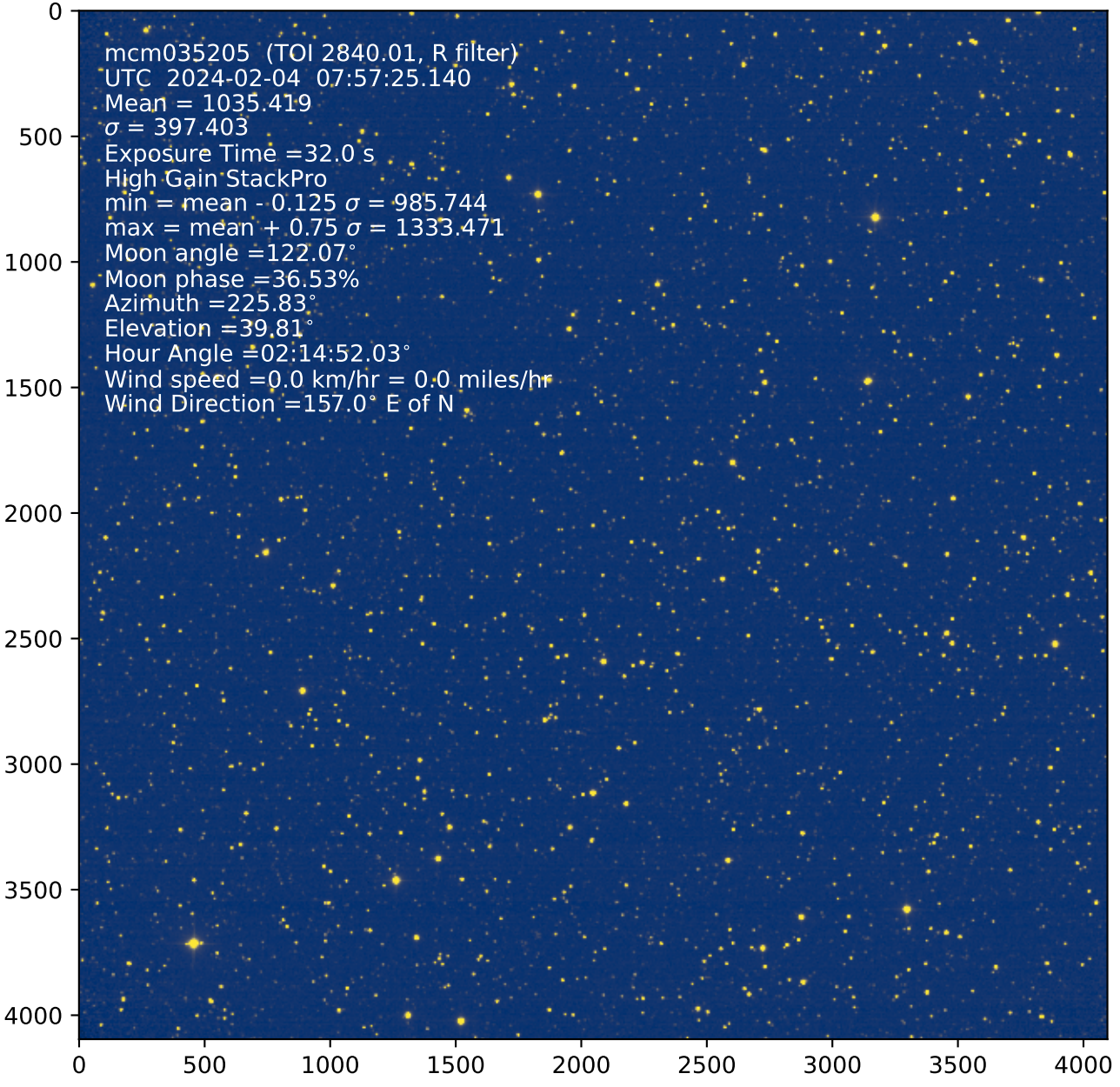

mcm0351fa (TOI 2840.01, R filter)
UTC 2024-02-04 07:48:07.879
Mean = 1072.242
σ = 581.942
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 999.499
max = mean + 0.75 σ = 1508.699
Moon angle =122.01°
Moon phase =36.59%
Azimuth =223.33°
Elevation =41.24°
Hour Angle =02:05:17.46°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

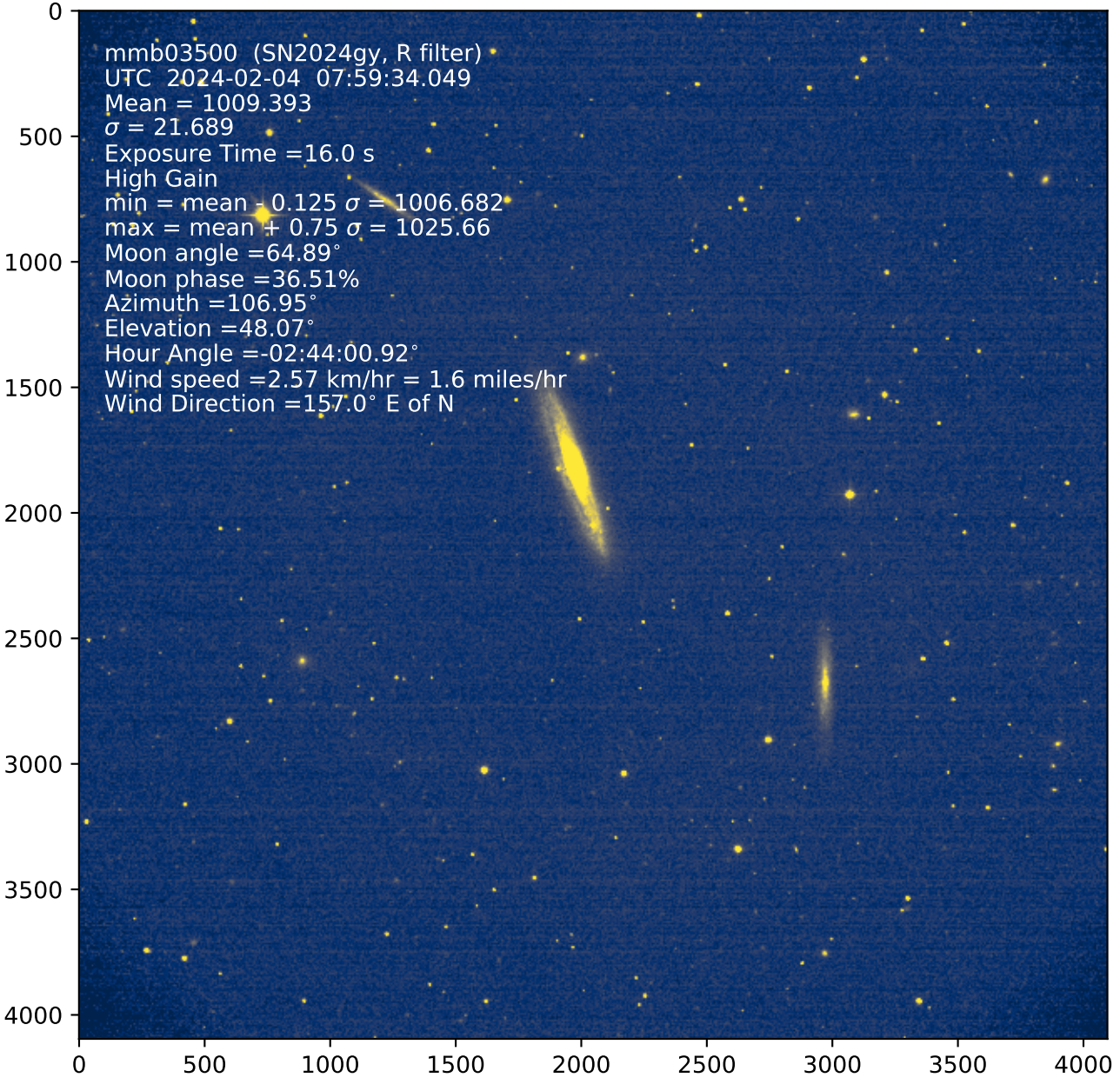

mcm0351fc (TOI 2840.01, R filter)
UTC 2024-02-04 07:50:13.070
Mean = 1071.805
σ = 583.920
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 998.815
max = mean + 0.75 σ = 1509.745
Moon angle =122.02°
Moon phase =36.58%
Azimuth =223.88°
Elevation =40.93°
Hour Angle =02:07:22.80°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

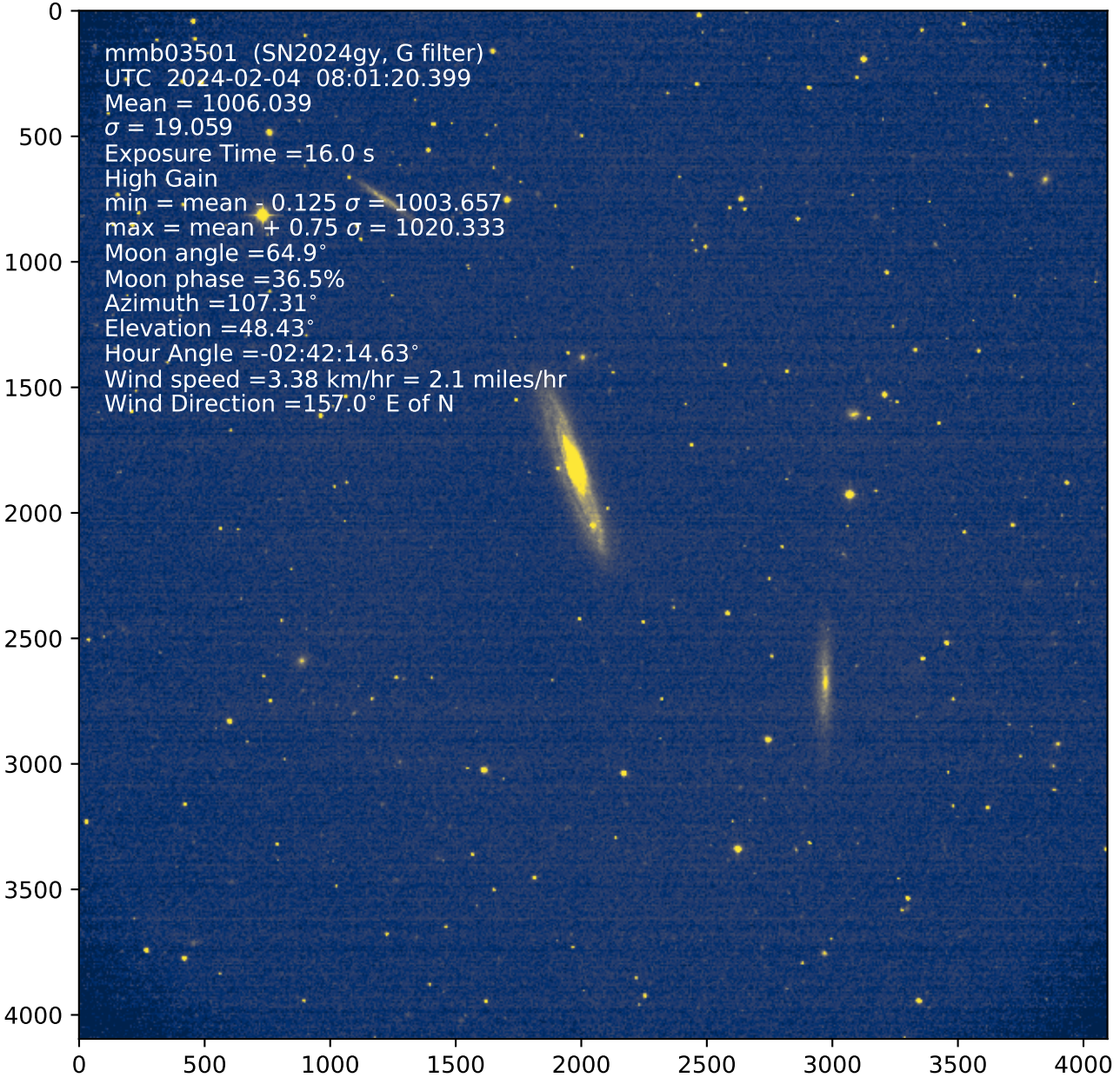

mcm0351ff (TOI 2840.01, R filter)
UTC 2024-02-04 07:52:24.100
Mean = 1035.324
σ = 401.063
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 985.191
max = mean + 0.75 σ = 1336.121
Moon angle =122.04°
Moon phase =36.56%
Azimuth =224.53°
Elevation =40.57°
Hour Angle =02:09:50.20°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

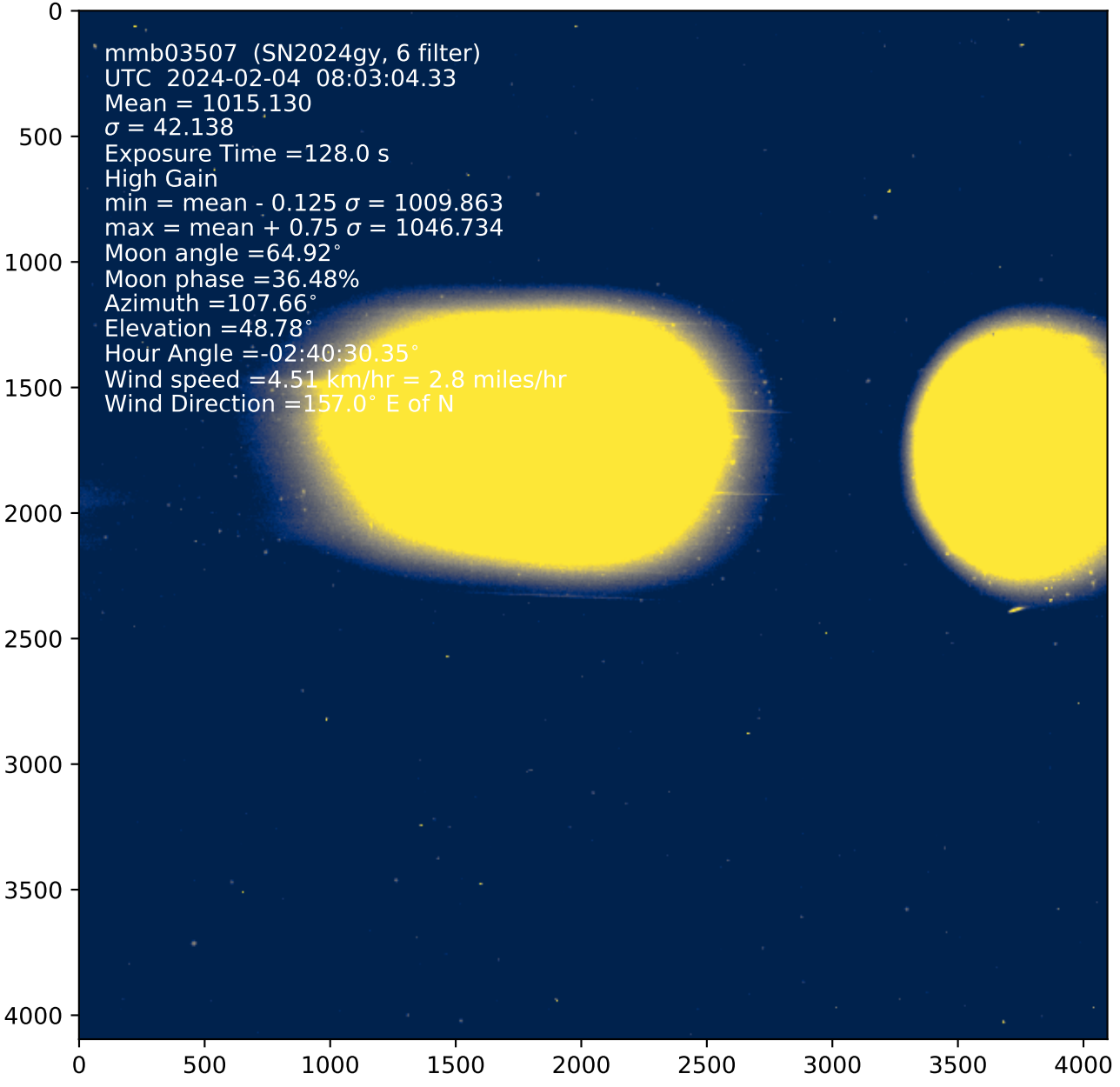

mcm035201 (TOI 2840.01, R filter)
UTC 2024-02-04 07:53:57.149
Mean = 1035.568
σ = 398.842
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 985.713
max = mean + 0.75 σ = 1334.7
Moon angle =122.05°
Moon phase =36.55%
Azimuth =224.93°
Elevation =40.34°
Hour Angle =02:11:23.46°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

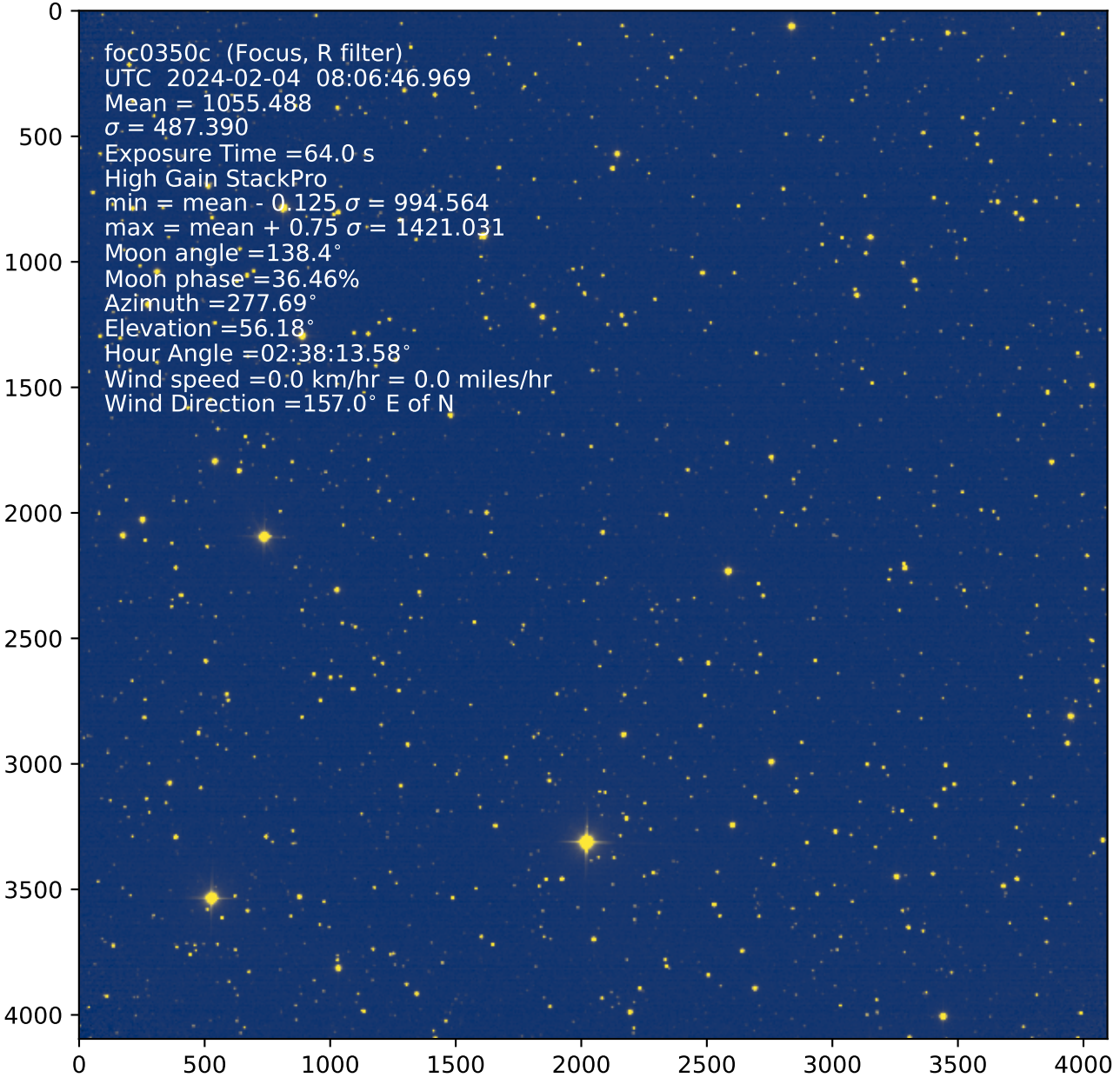

mcm035203 (TOI 2840.01, R filter)
UTC 2024-02-04 07:55:52.140
Mean = 1035.552
σ = 396.074
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 986.042
max = mean + 0.75 σ = 1332.607
Moon angle =122.06°
Moon phase =36.54%
Azimuth =225.43°
Elevation =40.05°
Hour Angle =02:13:18.77°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

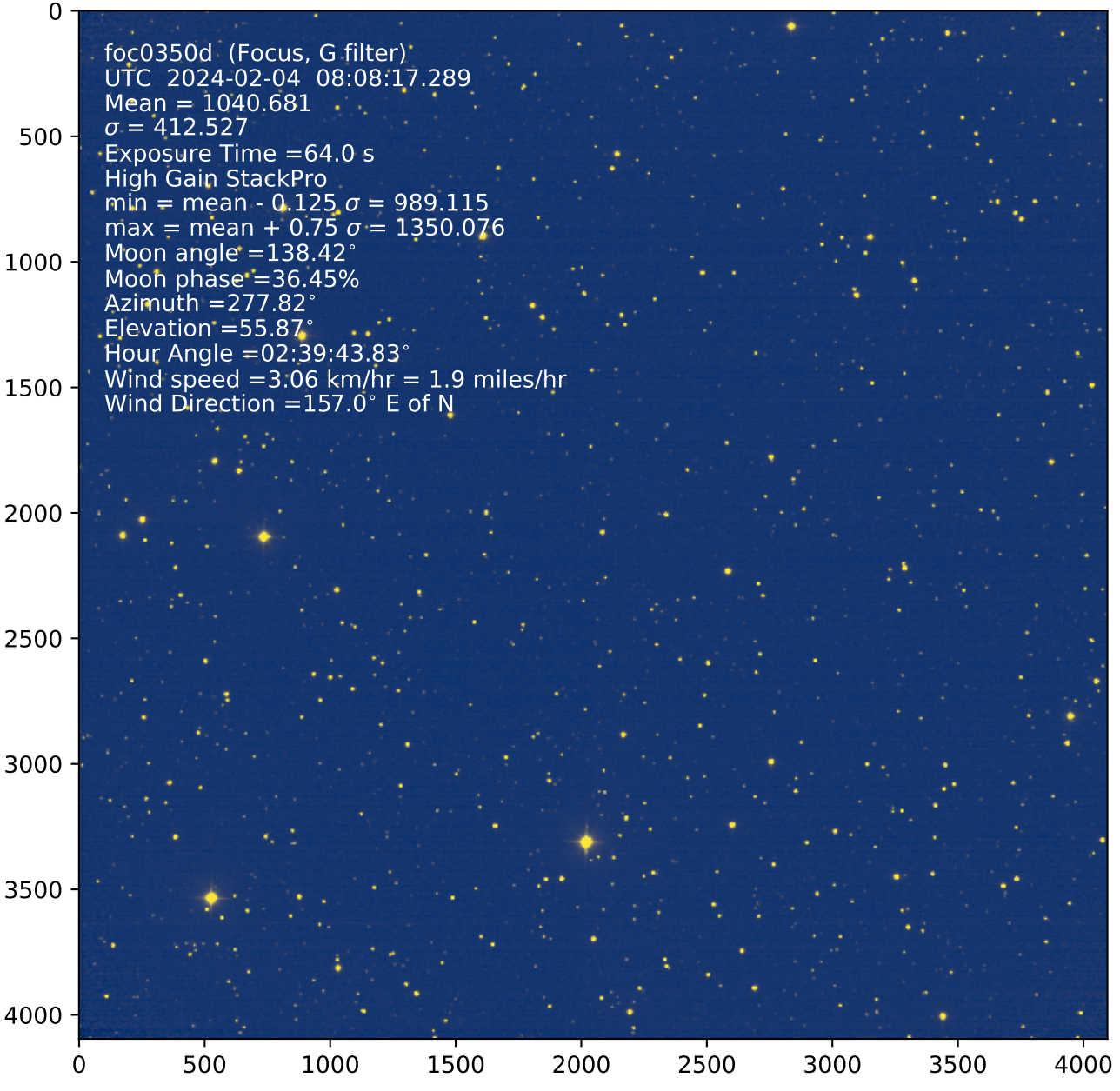

mcm035205 (TOI 2840.01, R filter)
UTC 2024-02-04 07:57:25.140
Mean = 1035.419
σ = 397.403
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 985.744
max = mean + 0.75 σ = 1333.471
Moon angle =122.07°
Moon phase =36.53%
Azimuth =225.83°
Elevation =39.81°
Hour Angle =02:14:52.03°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

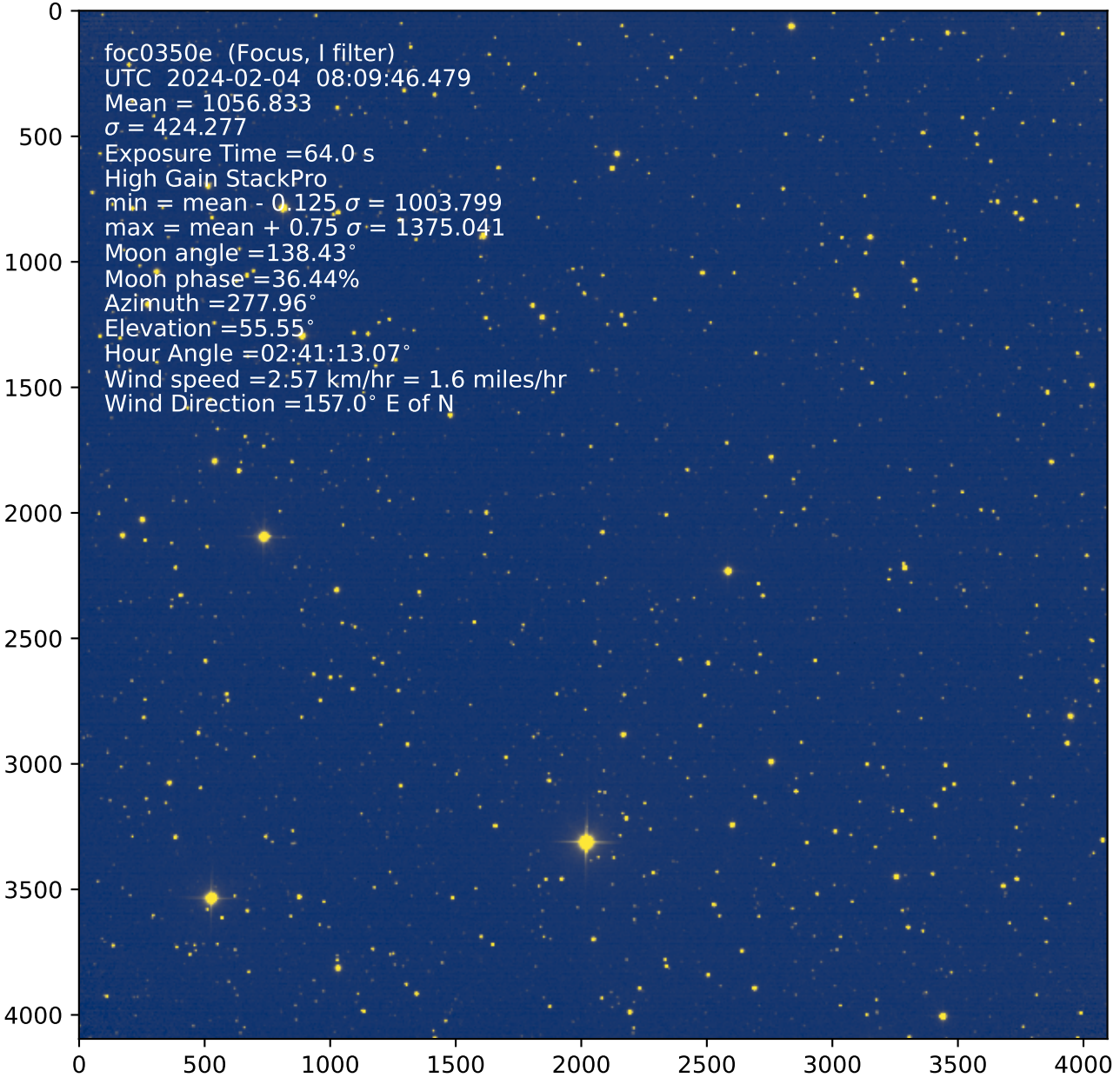

mmb03500 (SN2024gy, R filter)
UTC 2024-02-04 07:59:34.049
Mean = 1009.393
σ = 21.689
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1006.682
max = mean + 0.75 σ = 1025.66
Moon angle =64.89°
Moon phase =36.51%
Azimuth =106.95°
Elevation =48.07°
Hour Angle =-02:44:00.92°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

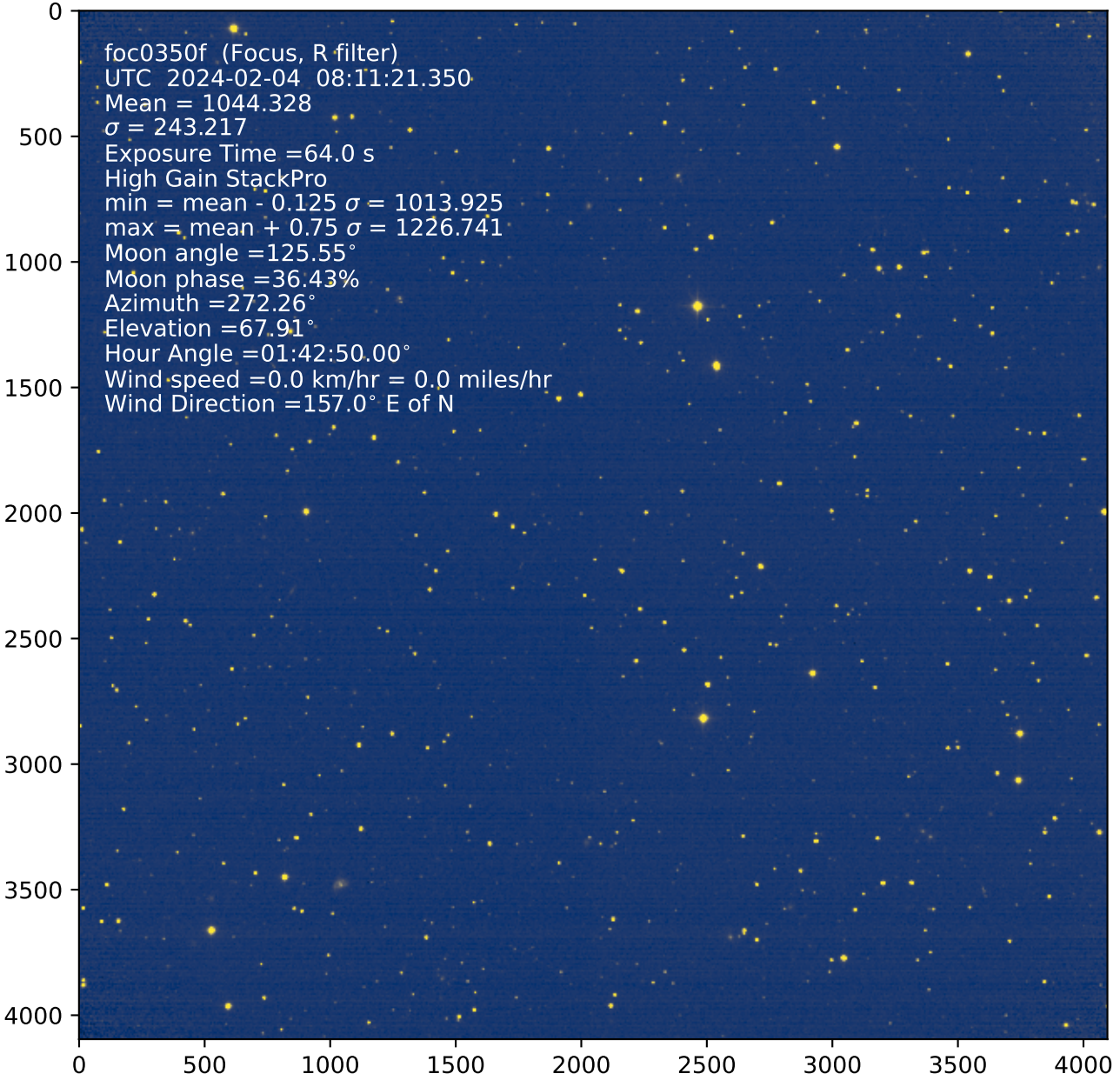

mmb03501 (SN2024gy, G filter)
UTC 2024-02-04 08:01:20.399
Mean = 1006.039
σ = 19.059
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1003.657
max = mean + 0.75 σ = 1020.333
Moon angle =64.9°
Moon phase =36.5%
Azimuth =107.31°
Elevation =48.43°
Hour Angle =-02:42:14.63°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

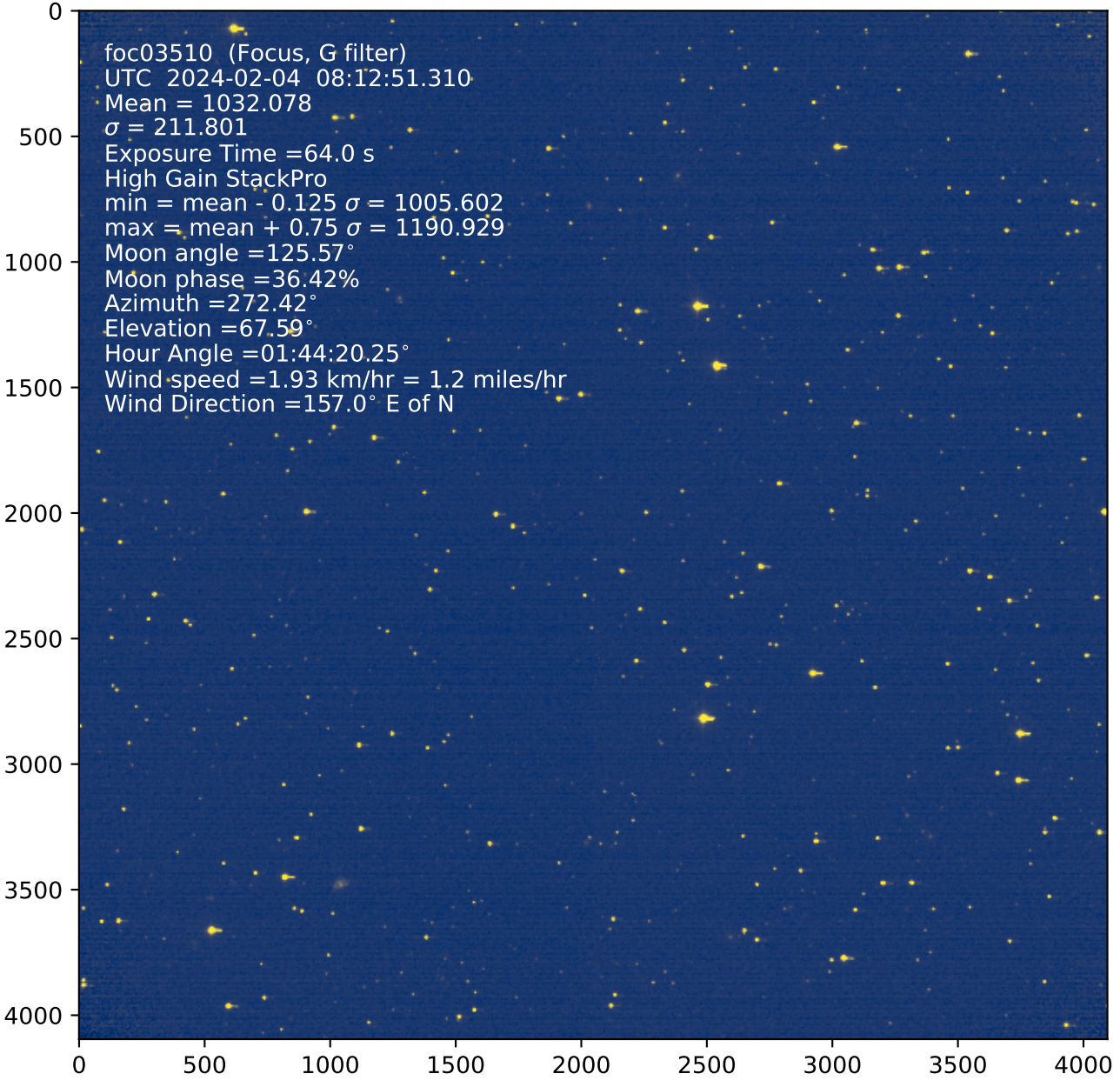

mmb03507 (SN2024gy, 6 filter)
UTC 2024-02-04 08:03:04.33
Mean = 1015.130
σ = 42.138
Exposure Time =128.0 s
High Gain
min = mean - 0.125 σ = 1009.863
max = mean + 0.75 σ = 1046.734
Moon angle =64.92°
Moon phase =36.48%
Azimuth =107.66°
Elevation =48.78°
Hour Angle =-02:40:30.35°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

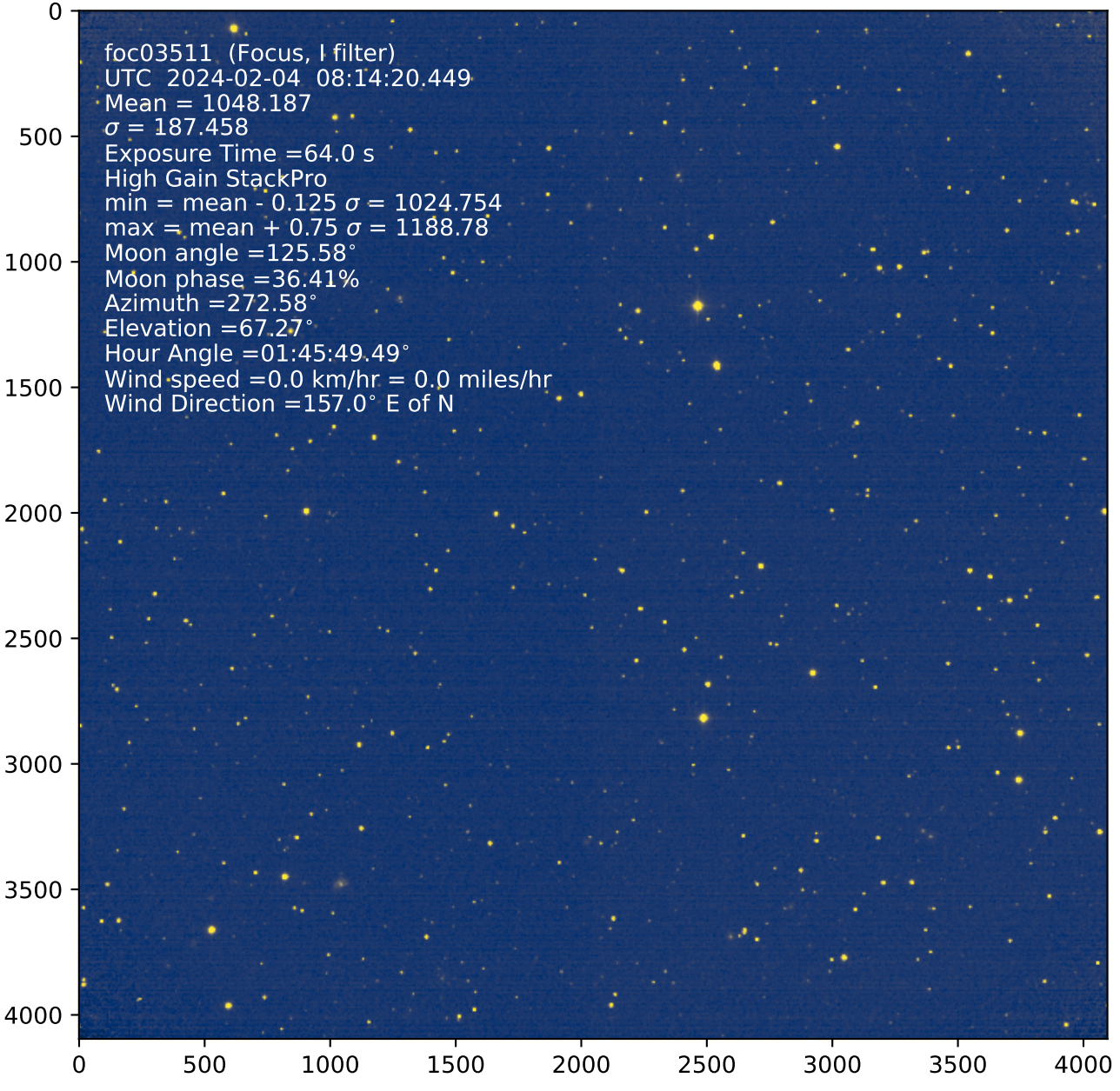

foc0350c (Focus, R filter)
UTC 2024-02-04 08:06:46.969
Mean = 1055.488
σ = 487.390
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 994.564
max = mean + 0.75 σ = 1421.031
Moon angle =138.4°
Moon phase =36.46%
Azimuth =277.69°
Elevation =56.18°
Hour Angle =02:38:13.58°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

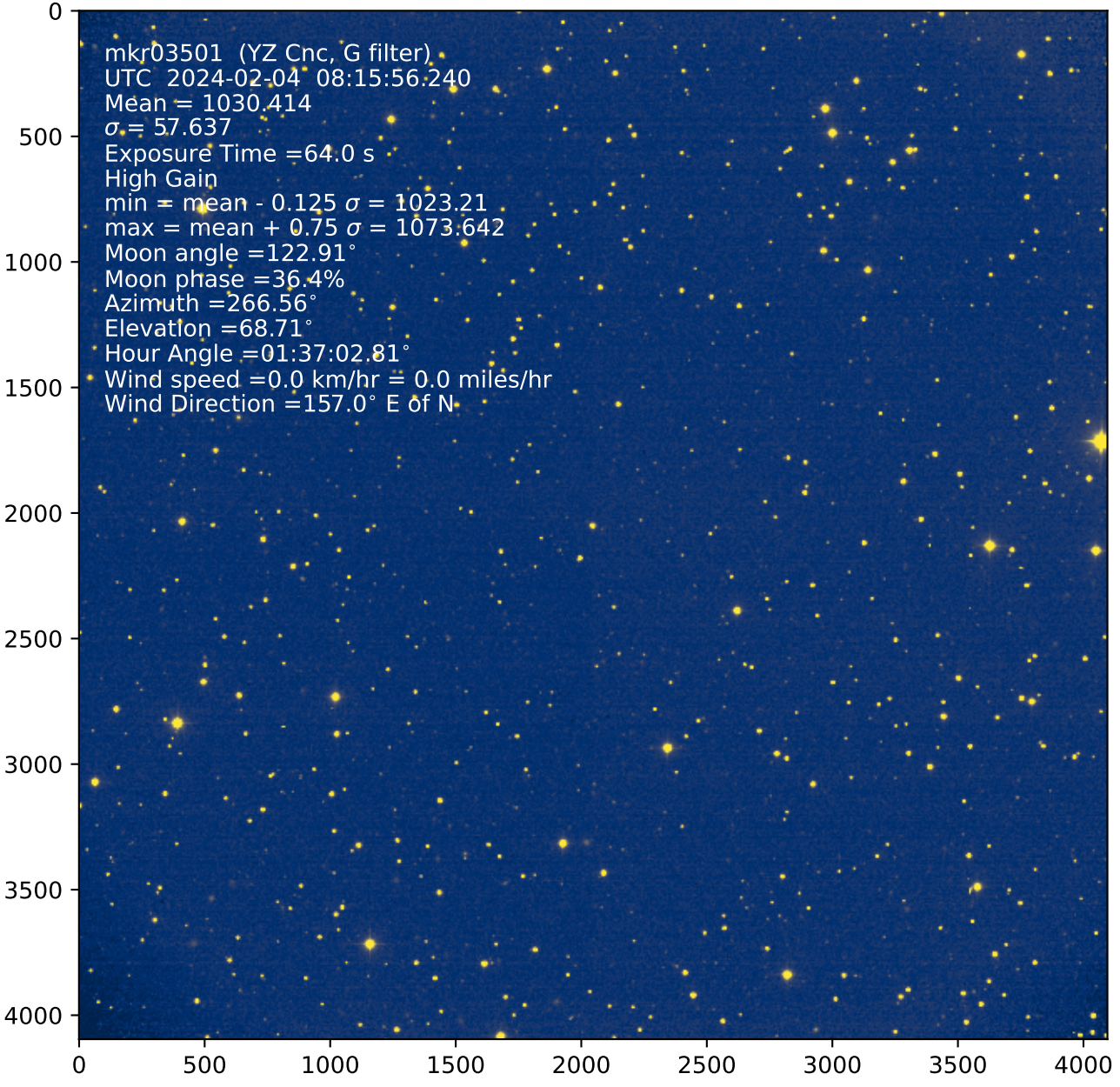

foc0350d (Focus, G filter)
UTC 2024-02-04 08:08:17.289
Mean = 1040.681
σ = 412.527
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 989.115
max = mean + 0.75 σ = 1350.076
Moon angle =138.42˚
Moon phase =36.45%
Azimuth =277.82˚
Elevation =55.87˚
Hour Angle =02:39:43.83˚
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

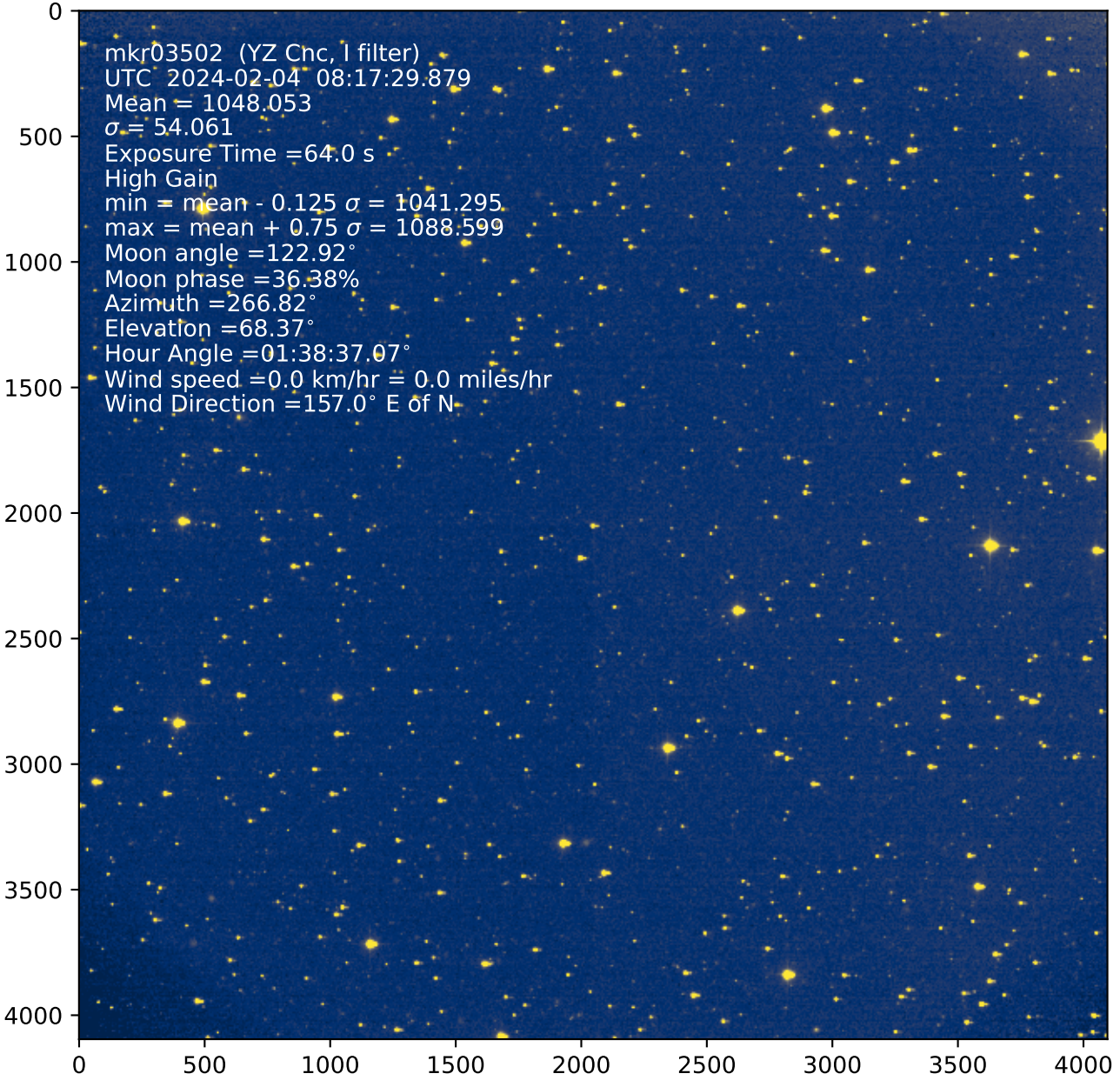

foc0350e (Focus, I filter)
UTC 2024-02-04 08:09:46.479
Mean = 1056.833
σ = 424.277
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1003.799
max = mean + 0.75 σ = 1375.041
Moon angle =138.43°
Moon phase =36.44%
Azimuth =277.96°
Elevation =55.55°
Hour Angle =02:41:13.07°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

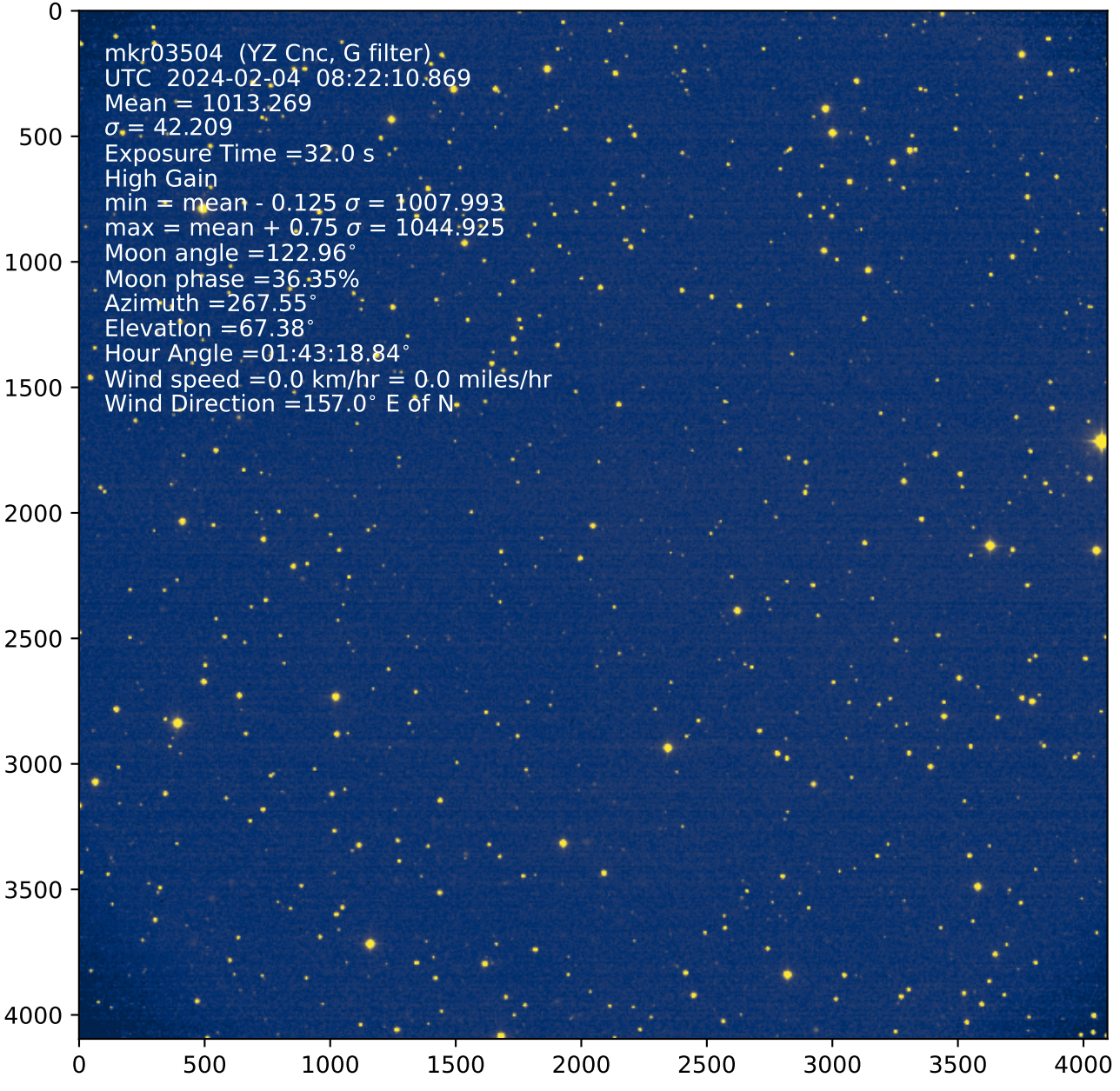

foc0350f (Focus, R filter)
UTC 2024-02-04 08:11:21.350
Mean = 1044.328
σ = 243.217
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1013.925
max = mean + 0.75 σ = 1226.741
Moon angle =125.55°
Moon phase =36.43%
Azimuth =272.26°
Elevation =67.91°
Hour Angle =01:42:50.00°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

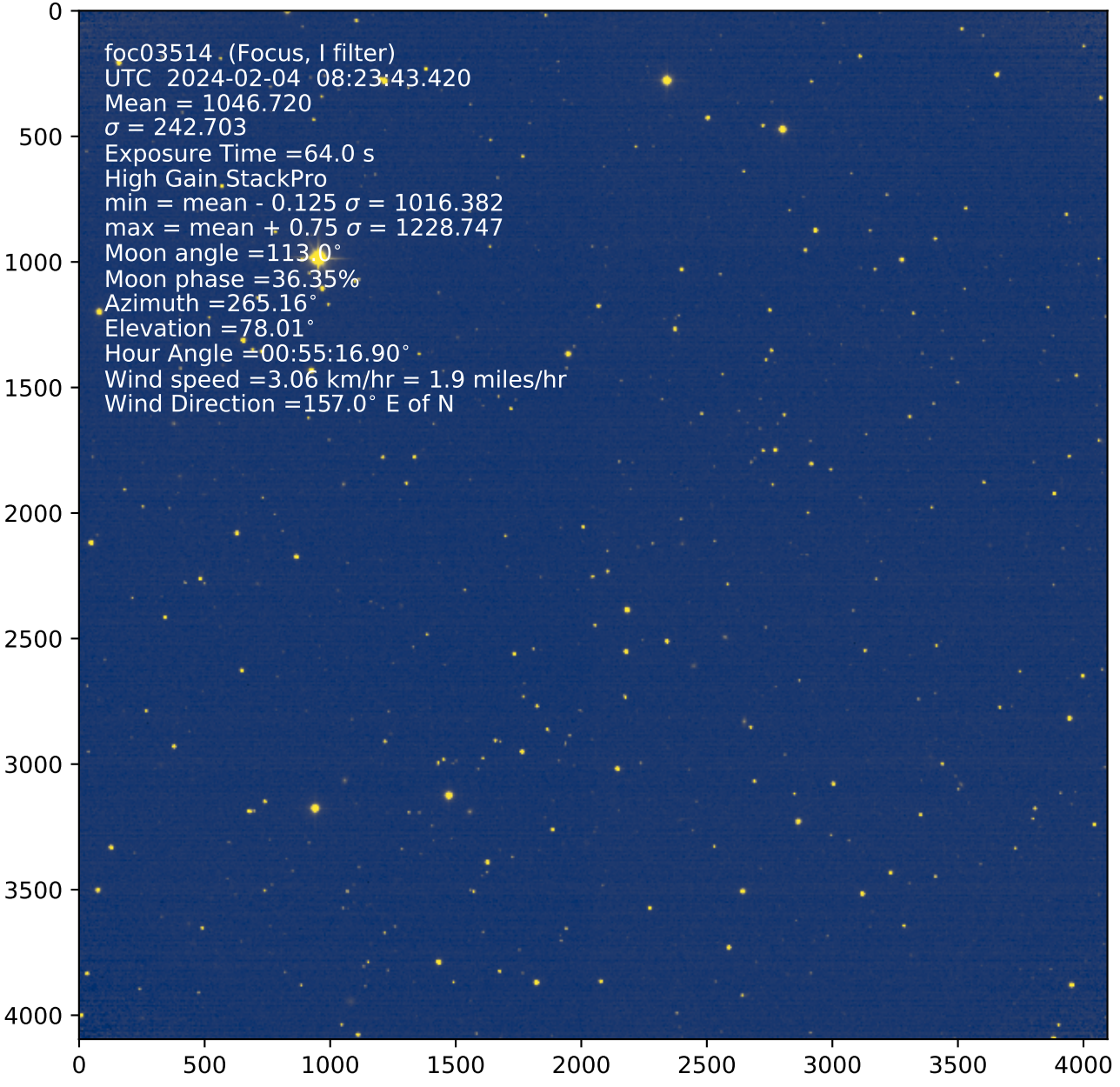

foc03510 (Focus, G filter)
UTC 2024-02-04 08:12:51.310
Mean = 1032.078
σ = 211.801
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1005.602
max = mean + 0.75 σ = 1190.929
Moon angle =125.57°
Moon phase =36.42%
Azimuth =272.42°
Elevation =67.59°
Hour Angle =01:44:20.25°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

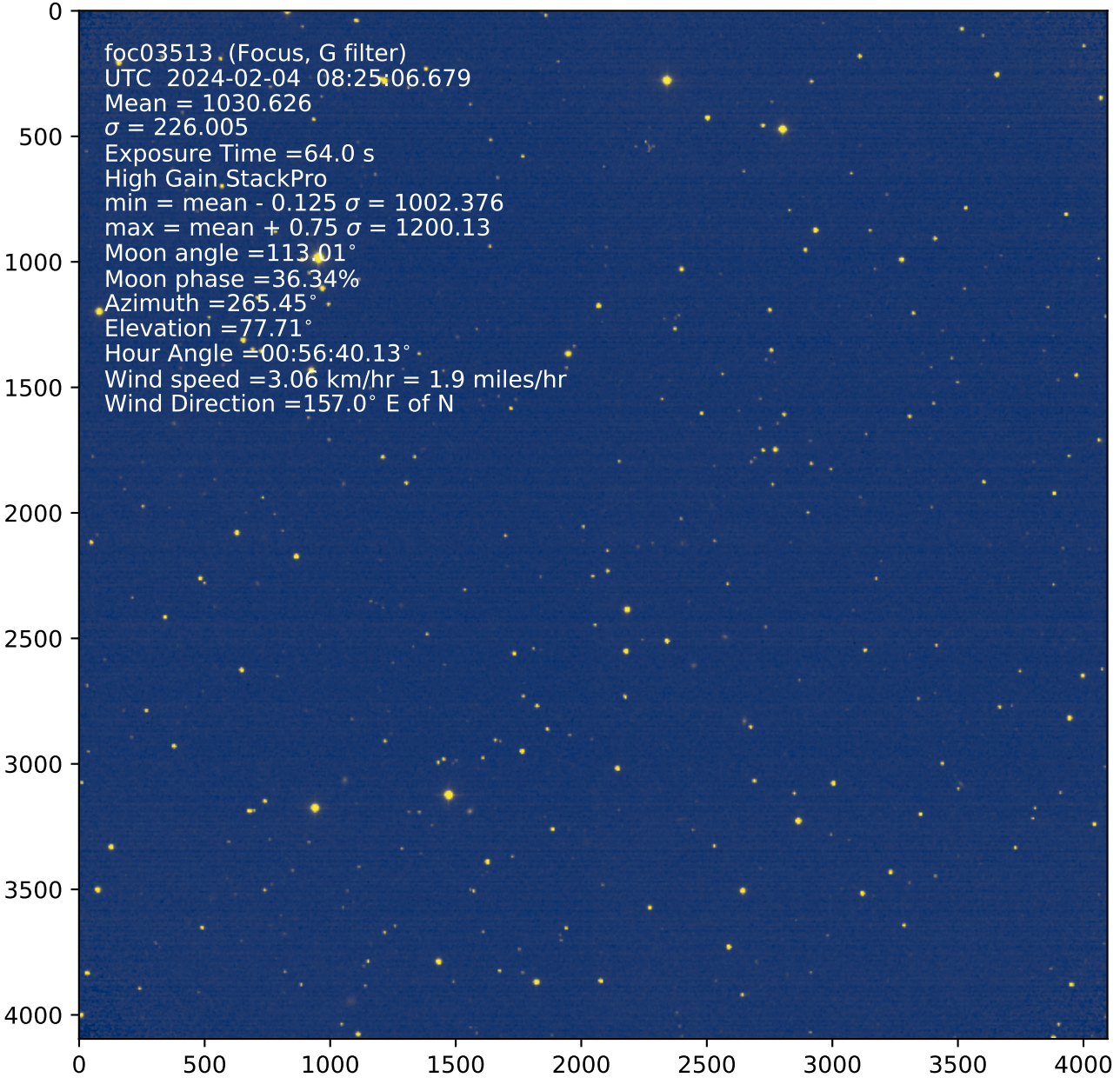

foc03511 (Focus, I filter)
UTC 2024-02-04 08:14:20.449
Mean = 1048.187
σ = 187.458
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1024.754
max = mean + 0.75 σ = 1188.78
Moon angle =125.58°
Moon phase =36.41%
Azimuth =272.58°
Elevation =67.27°
Hour Angle =01:45:49.49°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

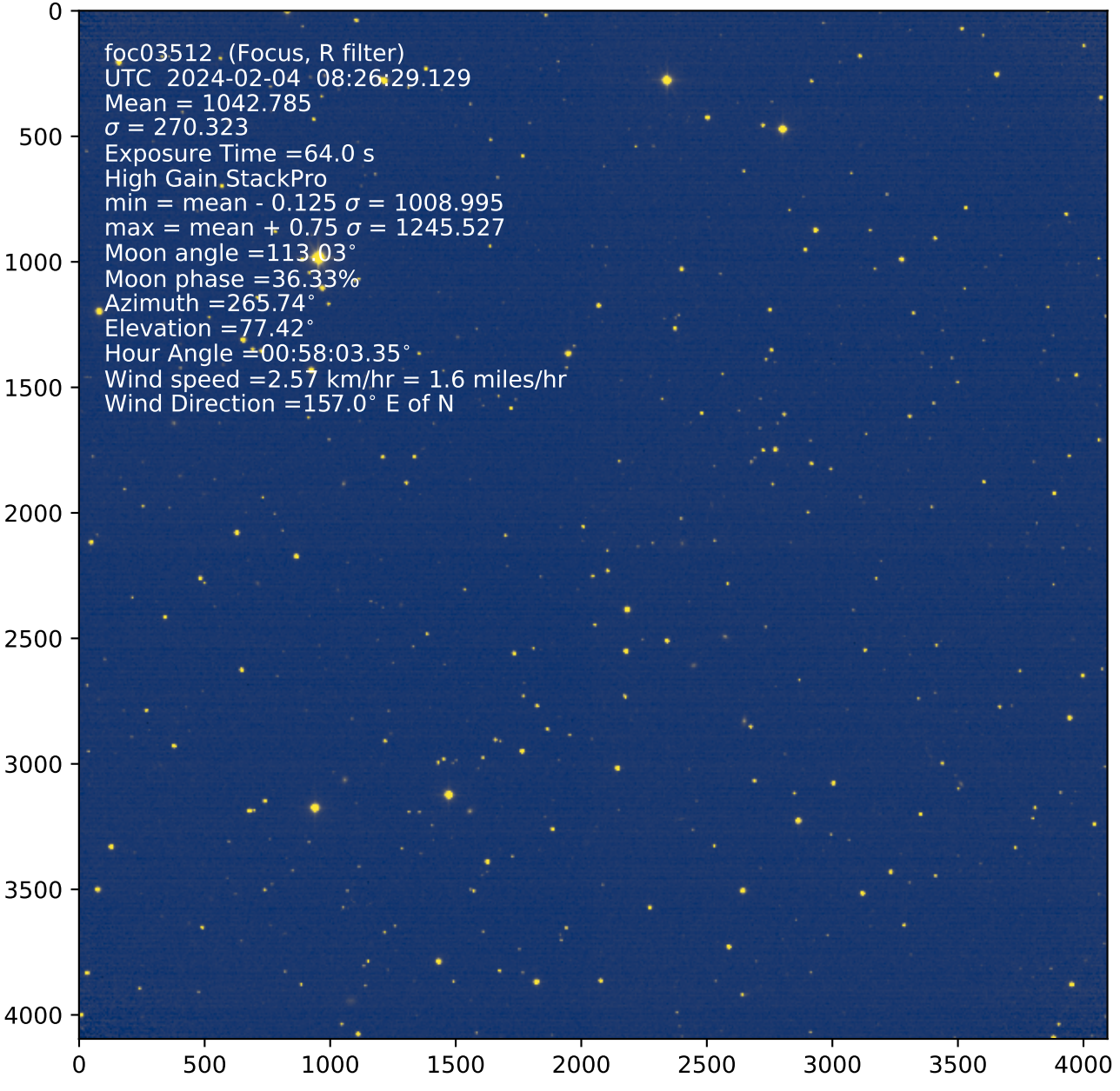

mkr03501 (YZ Cnc, G filter)
UTC 2024-02-04 08:15:56.240
Mean = 1030.414
σ = 57.637
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1023.21
max = mean + 0.75 σ = 1073.642
Moon angle =122.91˚
Moon phase =36.4%
Azimuth =266.56˚
Elevation =68.71˚
Hour Angle =01:37:02.81˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

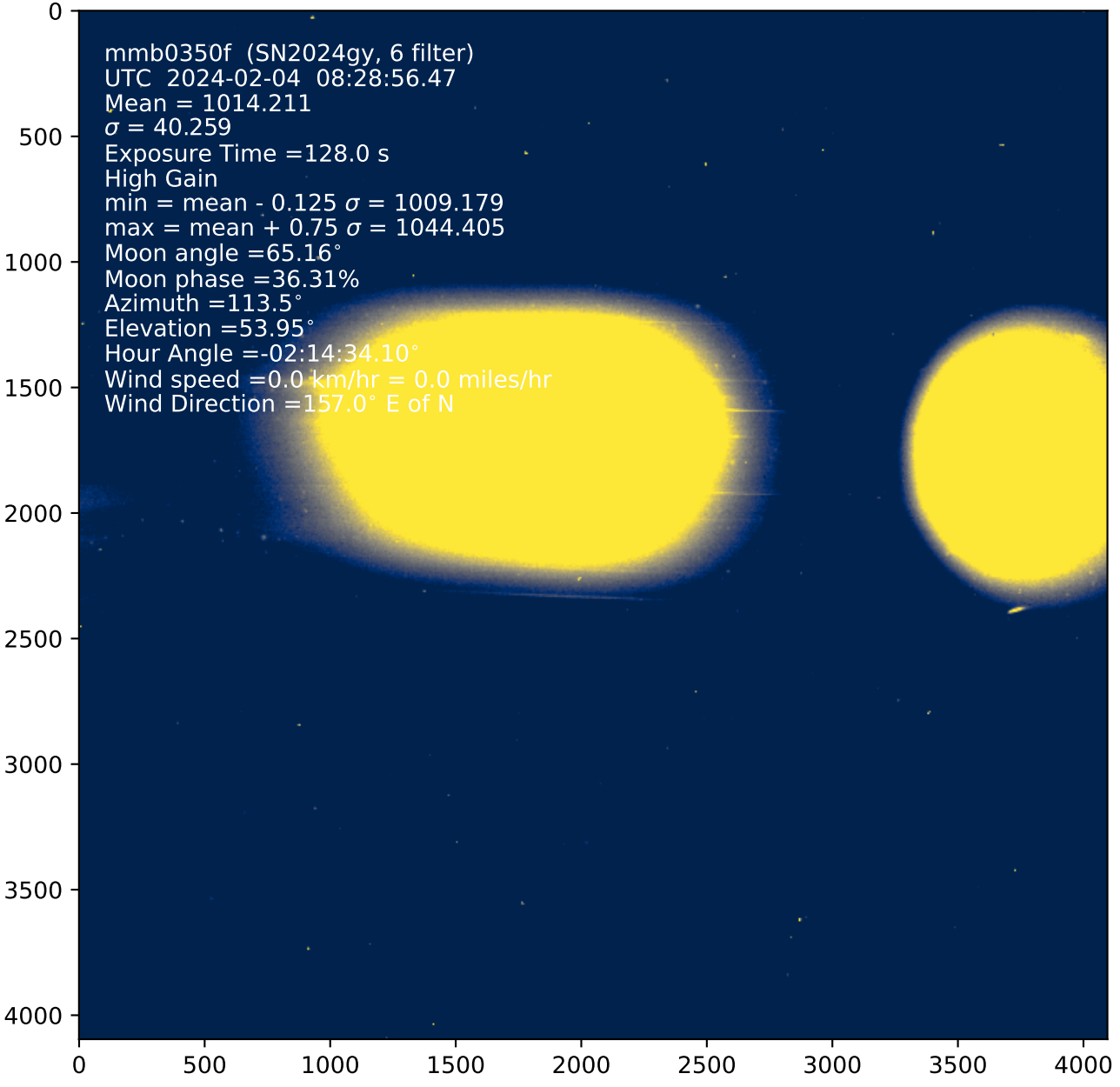

mkr03502 (YZ Cnc, I filter)
UTC 2024-02-04 08:17:29.879
Mean = 1048.053
σ = 54.061
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1041.295
max = mean + 0.75 σ = 1088.599
Moon angle =122.92°
Moon phase =36.38%
Azimuth =266.82°
Elevation =68.37°
Hour Angle =01:38:37.07°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

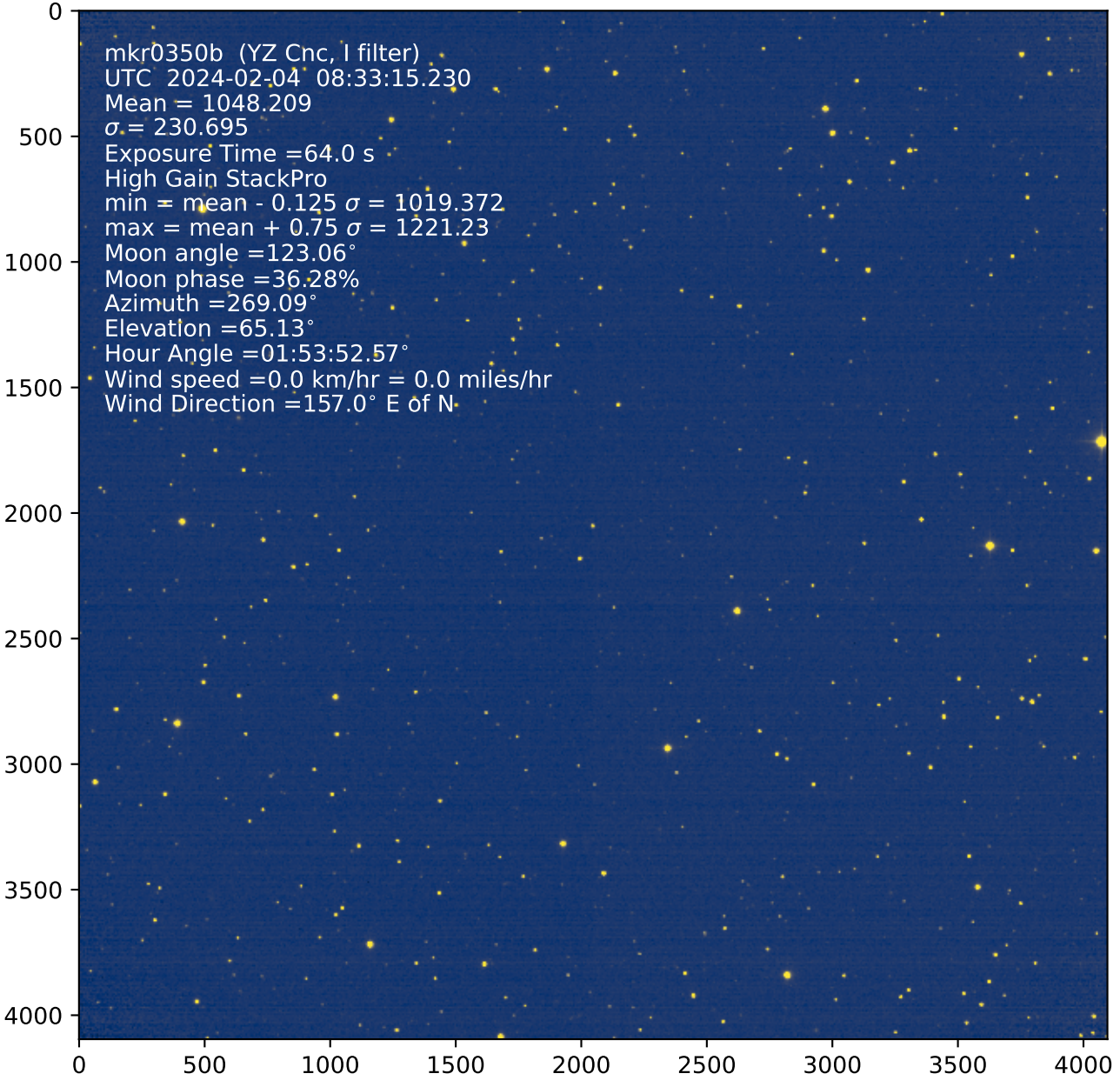

mkr03504 (YZ Cnc, G filter)
UTC 2024-02-04 08:22:10.869
Mean = 1013.269
σ = 42.209
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.993
max = mean + 0.75 σ = 1044.925
Moon angle =122.96°
Moon phase =36.35%
Azimuth =267.55°
Elevation =67.38°
Hour Angle =01:43:18.84°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

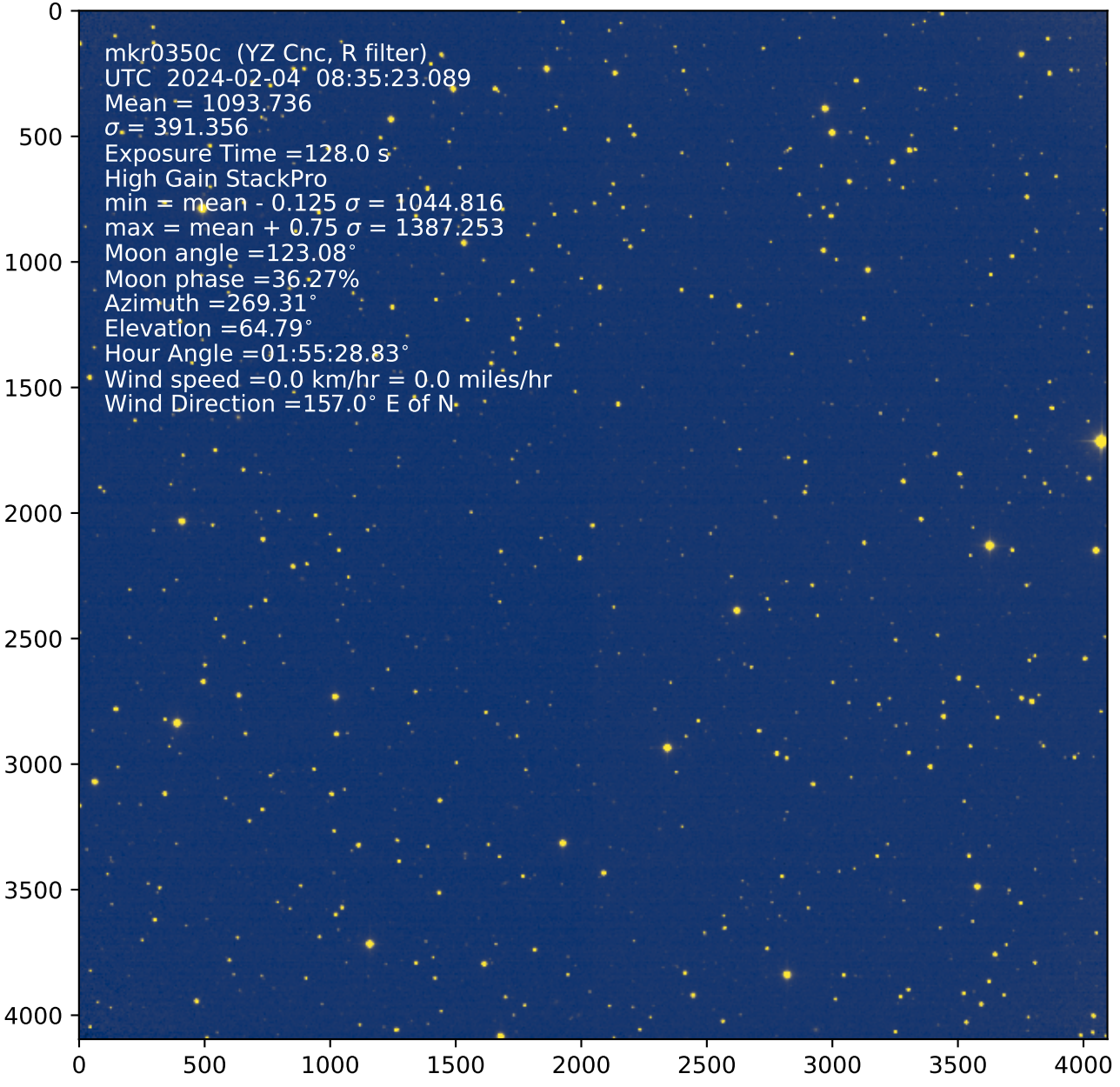

foc03514 (Focus, I filter)
UTC 2024-02-04 08:23:43.420
Mean = 1046.720
σ = 242.703
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1016.382
max = mean + 0.75 σ = 1228.747
Moon angle =113.0°
Moon phase =36.35%
Azimuth =265.16°
Elevation =78.01°
Hour Angle =00:55:16.90°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

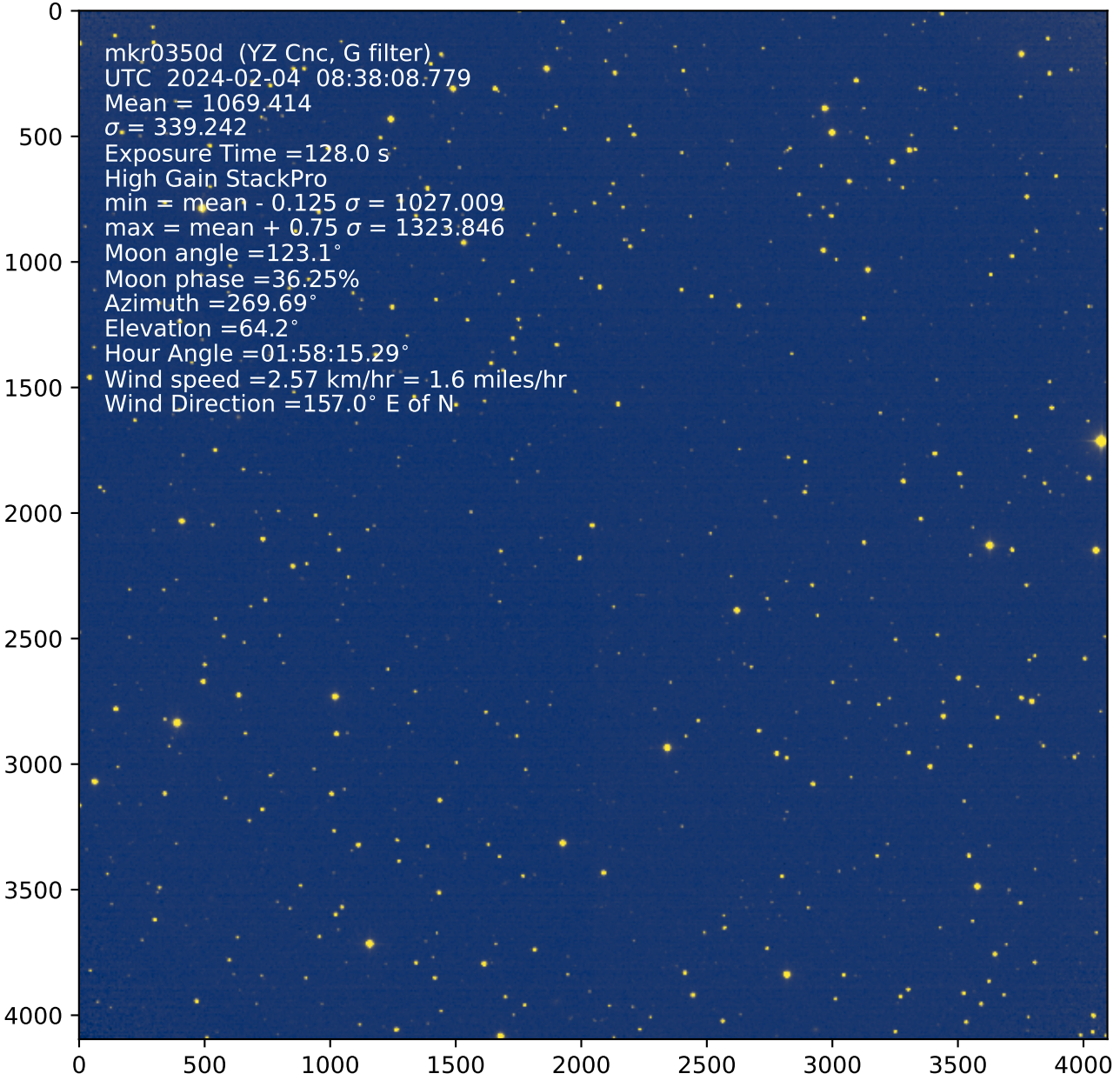

foc03513 (Focus, G filter)
UTC 2024-02-04 08:25:06.679
Mean = 1030.626
σ = 226.005
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1002.376
max = mean + 0.75 σ = 1200.13
Moon angle =113.01°
Moon phase =36.34%
Azimuth =265.45°
Elevation =77.71°
Hour Angle =00:56:40.13°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

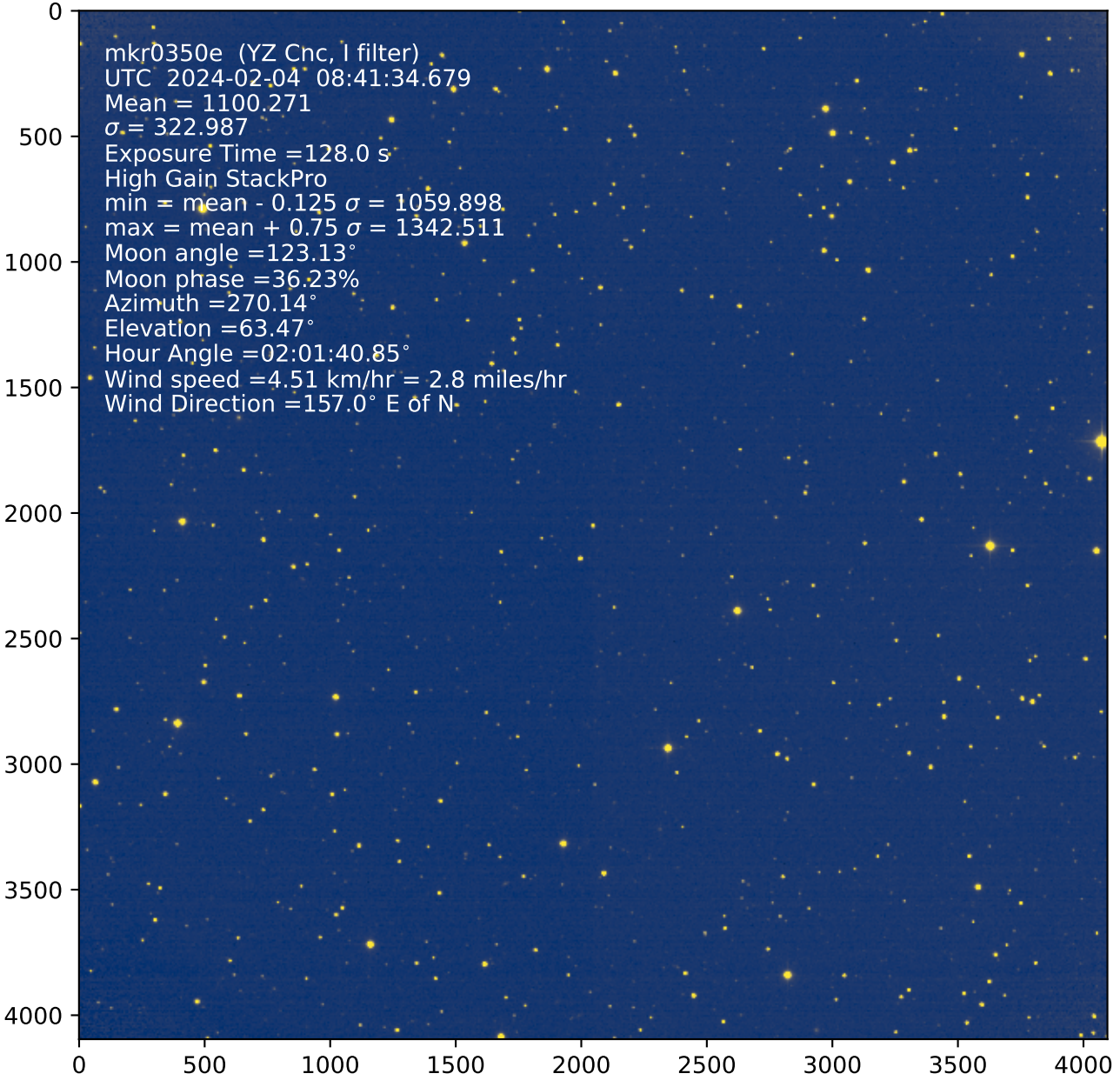

foc03512 (Focus, R filter)
UTC 2024-02-04 08:26:29.129
Mean = 1042.785
σ = 270.323
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1008.995
max = mean + 0.75 σ = 1245.527
Moon angle =113.03°
Moon phase =36.33%
Azimuth =265.74°
Elevation =77.42°
Hour Angle =00:58:03.35°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

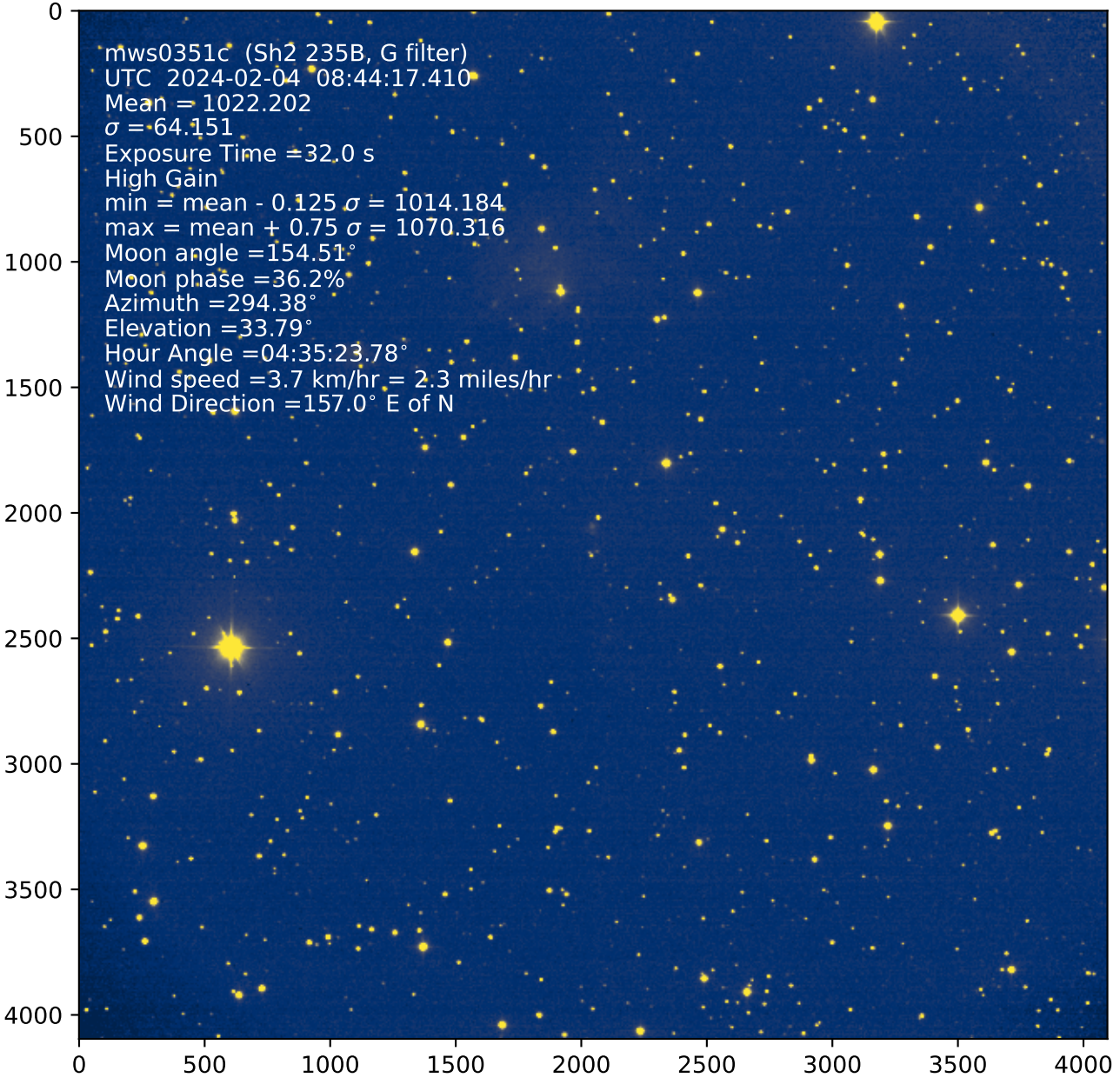

mmb0350f (SN2024gy, 6 filter)
UTC 2024-02-04 08:28:56.47
Mean = 1014.211
σ = 40.259
Exposure Time =128.0 s
High Gain
min = mean - 0.125 σ = 1009.179
max = mean + 0.75 σ = 1044.405
Moon angle =65.16°
Moon phase =36.31%
Azimuth =113.5°
Elevation =53.95°
Hour Angle =-02:14:34.10°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

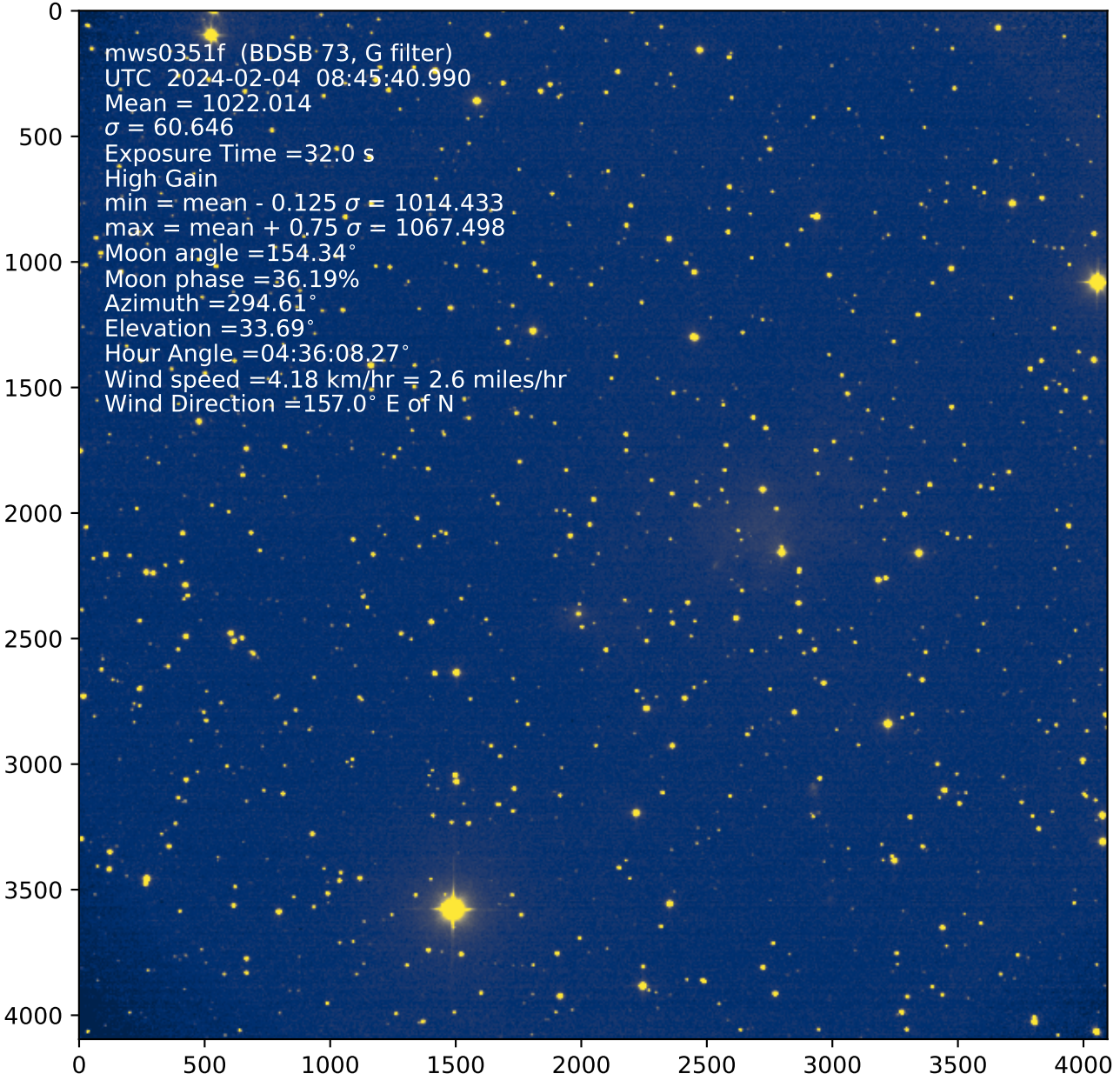

mkr0350b (YZ Cnc, I filter)
UTC 2024-02-04 08:33:15.230
Mean = 1048.209
σ = 230.695
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1019.372
max = mean + 0.75 σ = 1221.23
Moon angle =123.06°
Moon phase =36.28%
Azimuth =269.09°
Elevation =65.13°
Hour Angle =01:53:52.57°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

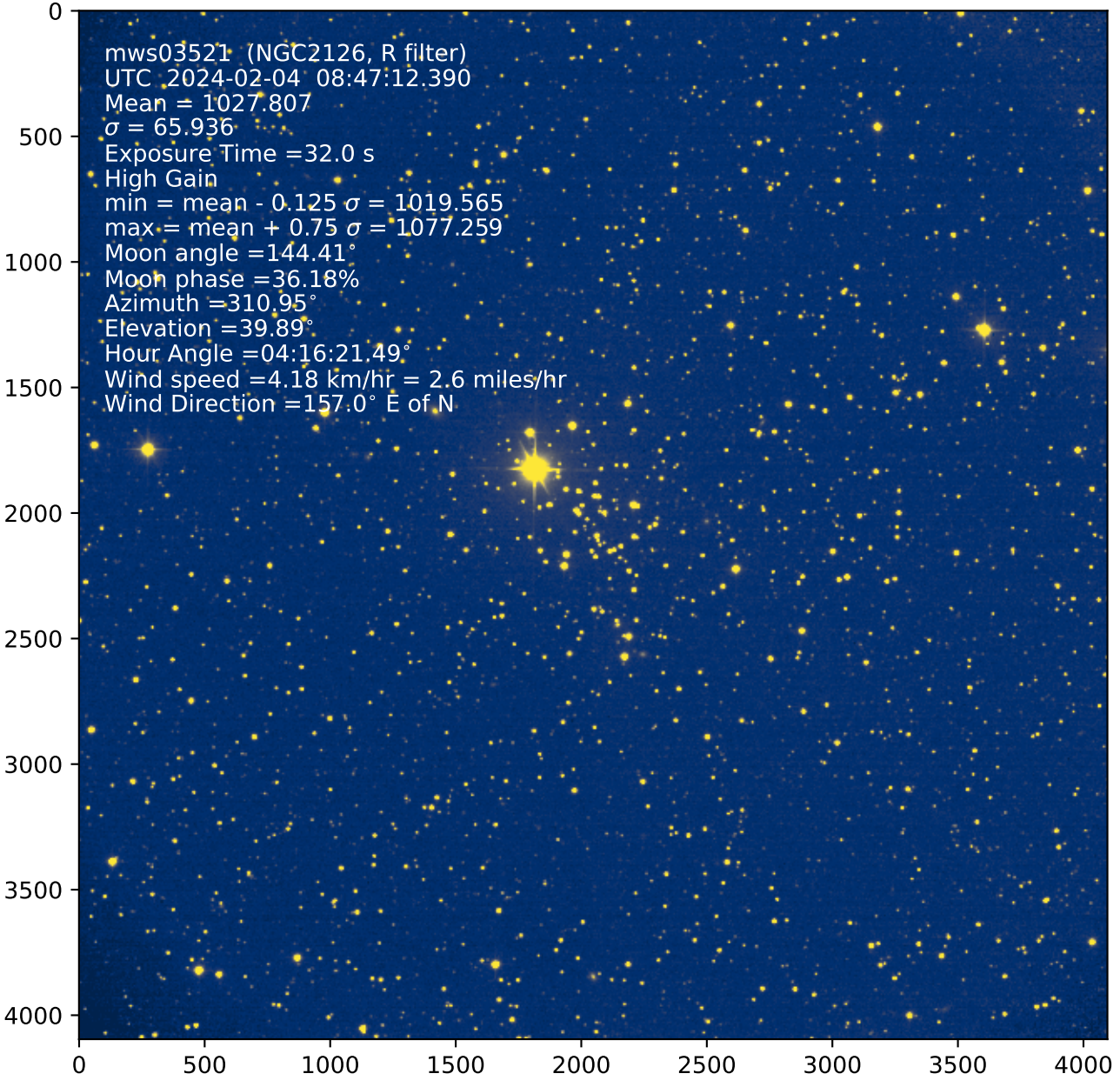

mkr0350c (YZ Cnc, R filter)
UTC 2024-02-04 08:35:23.089
Mean = 1093.736
σ = 391.356
Exposure Time =128.0 s
High Gain StackPro
min = mean - 0.125 σ = 1044.816
max = mean + 0.75 σ = 1387.253
Moon angle =123.08°
Moon phase =36.27%
Azimuth =269.31°
Elevation =64.79°
Hour Angle =01:55:28.83°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

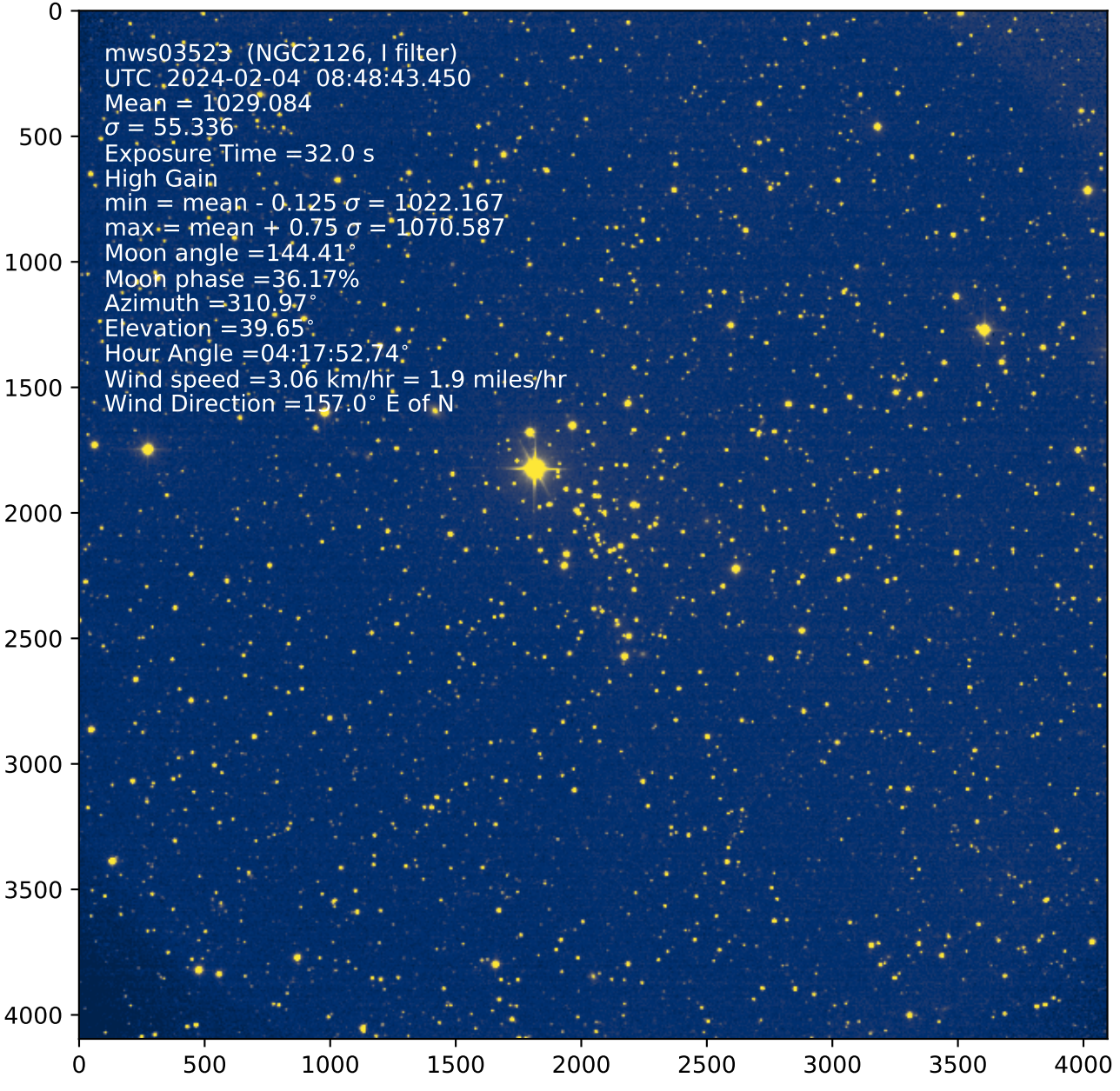

mkr0350d (YZ Cnc, G filter)
UTC 2024-02-04 08:38:08.779
Mean = 1069.414
σ = 339.242
Exposure Time =128.0 s
High Gain StackPro
min = mean - 0.125 σ = 1027.009
max = mean + 0.75 σ = 1323.846
Moon angle =123.1°
Moon phase =36.25%
Azimuth =269.69°
Elevation =64.2°
Hour Angle =01:58:15.29°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

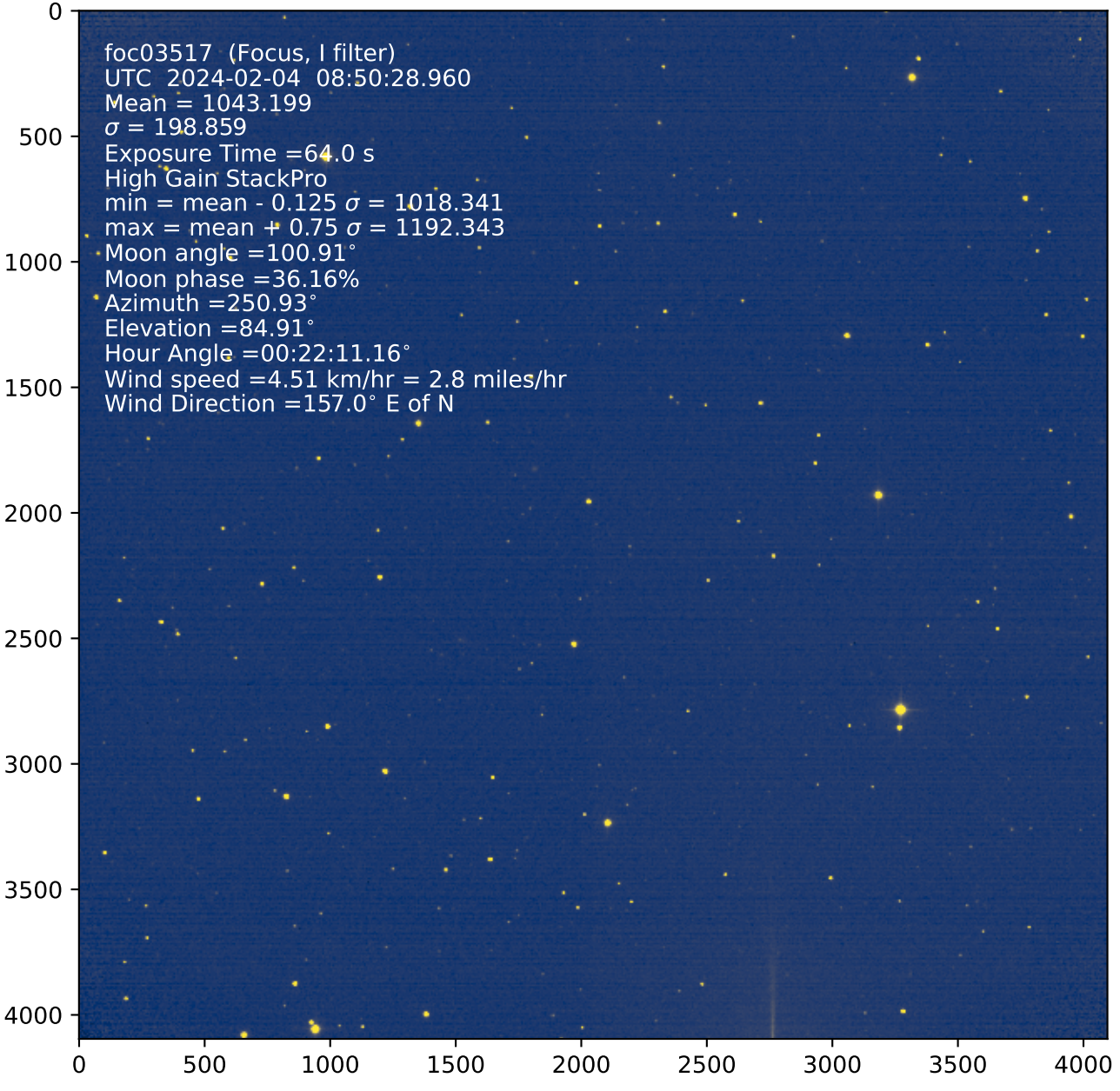

mkr0350e (YZ Cnc, l filter)
UTC 2024-02-04 08:41:34.679
Mean = 1100.271
σ = 322.987
Exposure Time =128.0 s
High Gain StackPro
min = mean - 0.125 σ = 1059.898
max = mean + 0.75 σ = 1342.511
Moon angle =123.13°
Moon phase =36.23%
Azimuth =270.14°
Elevation =63.47°
Hour Angle =02:01:40.85°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

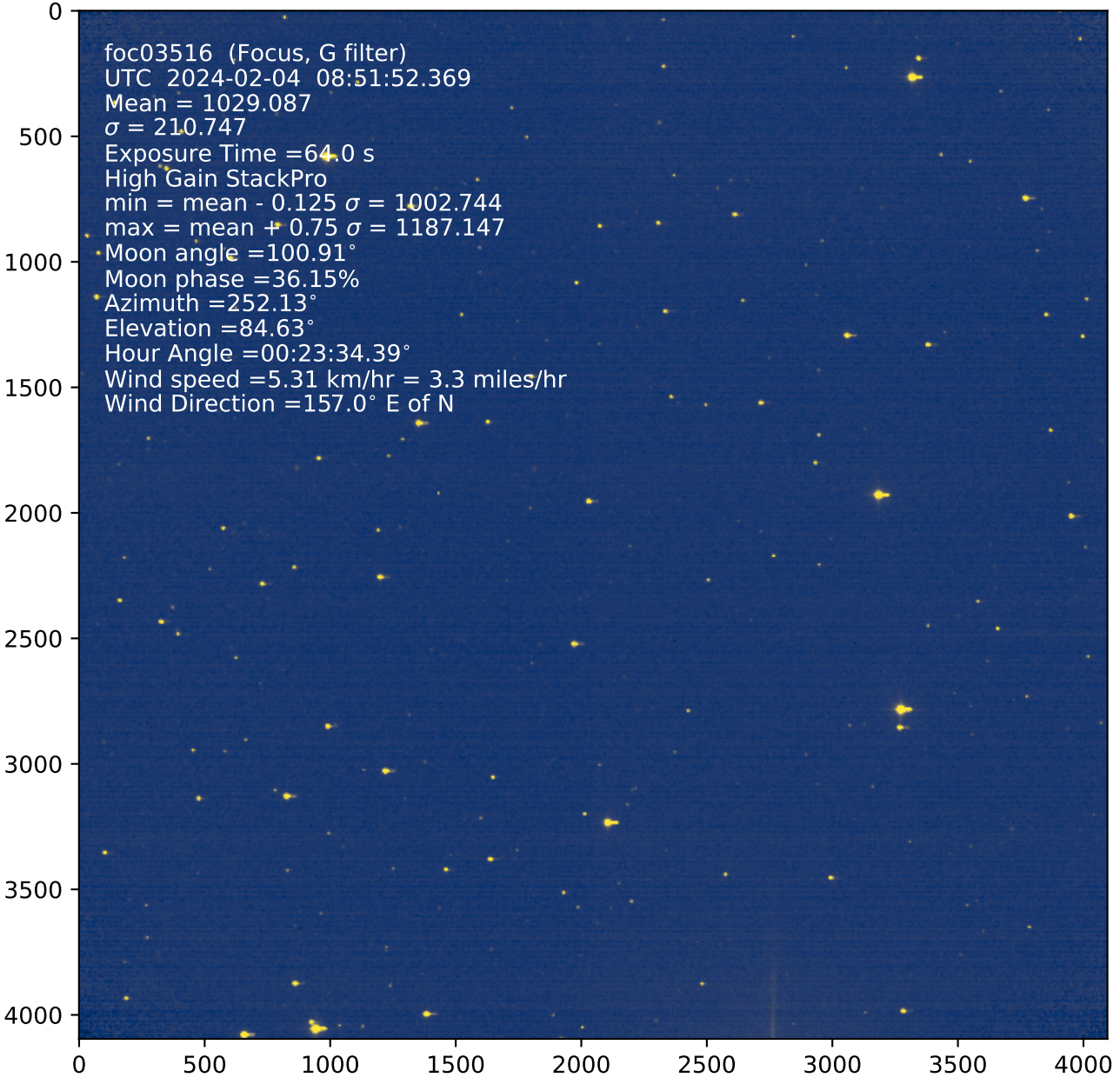

mws0351c (Sh2 235B, G filter)
UTC 2024-02-04 08:44:17.410
Mean = 1022.202
σ = 64.151
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1014.184
max = mean + 0.75 σ = 1070.316
Moon angle =154.51°
Moon phase =36.2%
Azimuth =294.38°
Elevation =33.79°
Hour Angle =04:35:23.78°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

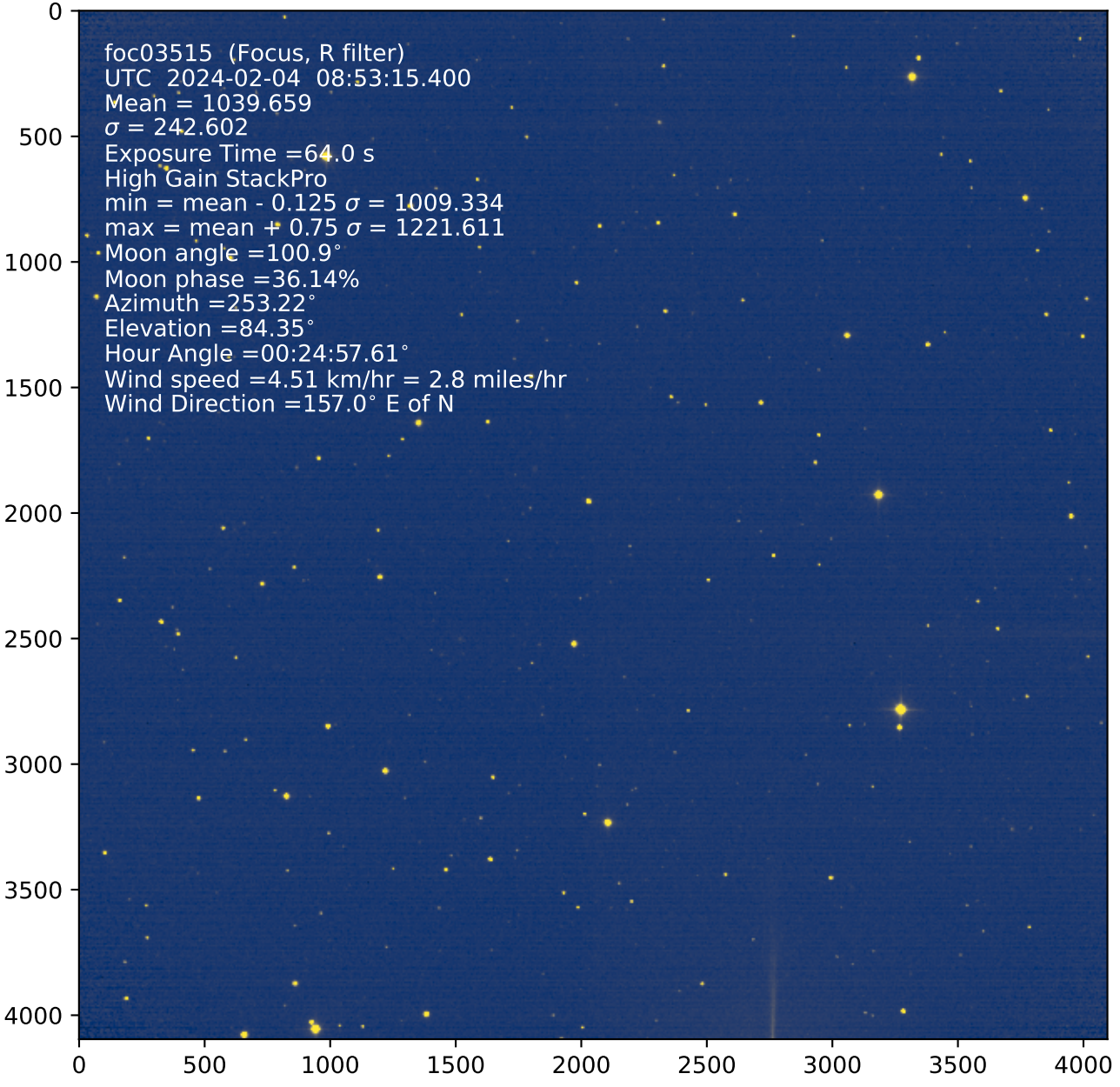

mws0351f (BDSB 73, G filter)
UTC 2024-02-04 08:45:40.990
Mean = 1022.014
σ = 60.646
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1014.433
max = mean + 0.75 σ = 1067.498
Moon angle =154.34°
Moon phase =36.19%
Azimuth =294.61°
Elevation =33.69°
Hour Angle =04:36:08.27°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

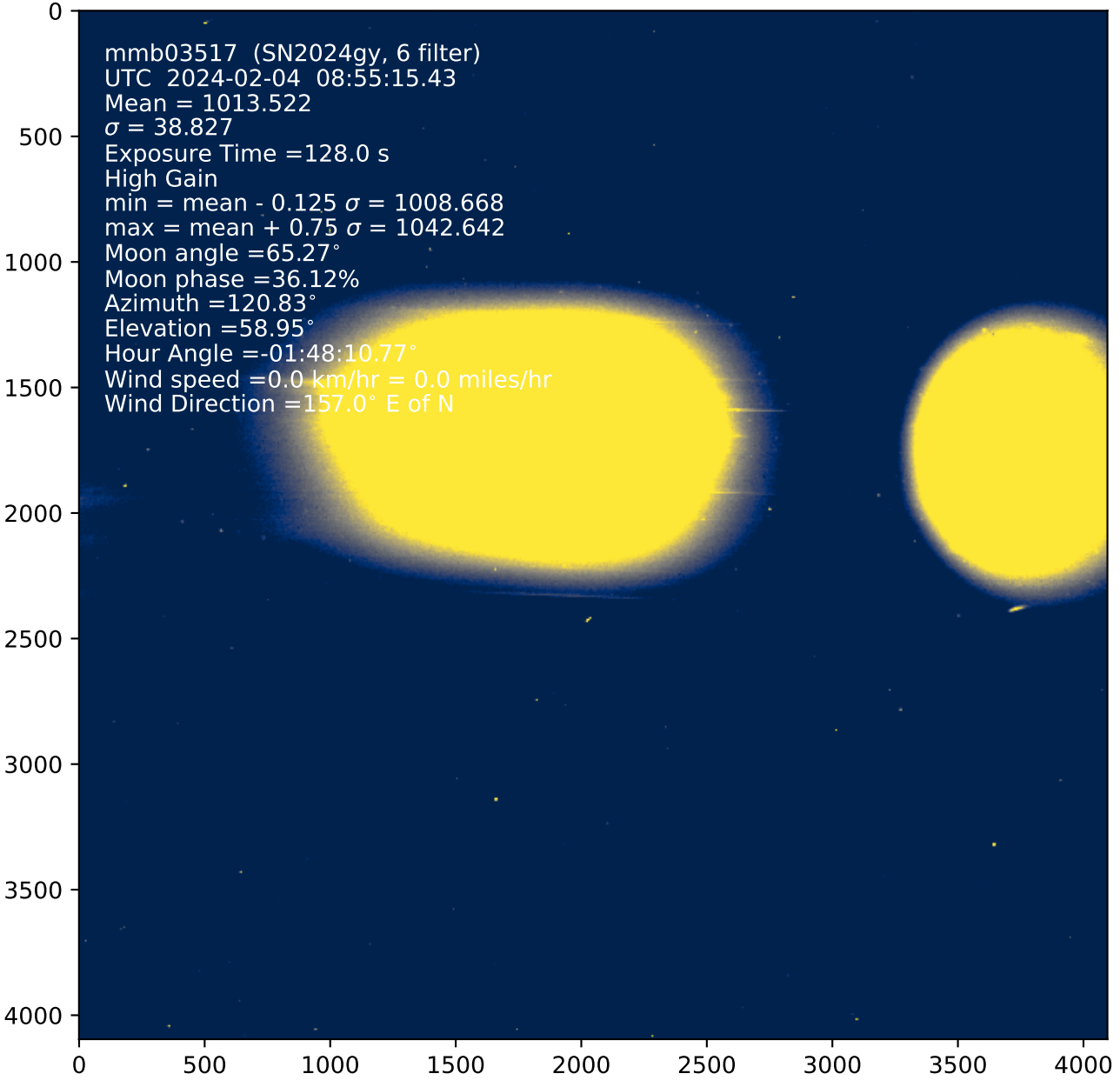

mws03521 (NGC2126, R filter)
UTC 2024-02-04 08:47:12.390
Mean = 1027.807
σ = 65.936
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.565
max = mean + 0.75 σ = 1077.259
Moon angle =144.41°
Moon phase =36.18%
Azimuth =310.95°
Elevation =39.89°
Hour Angle =04:16:21.49°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

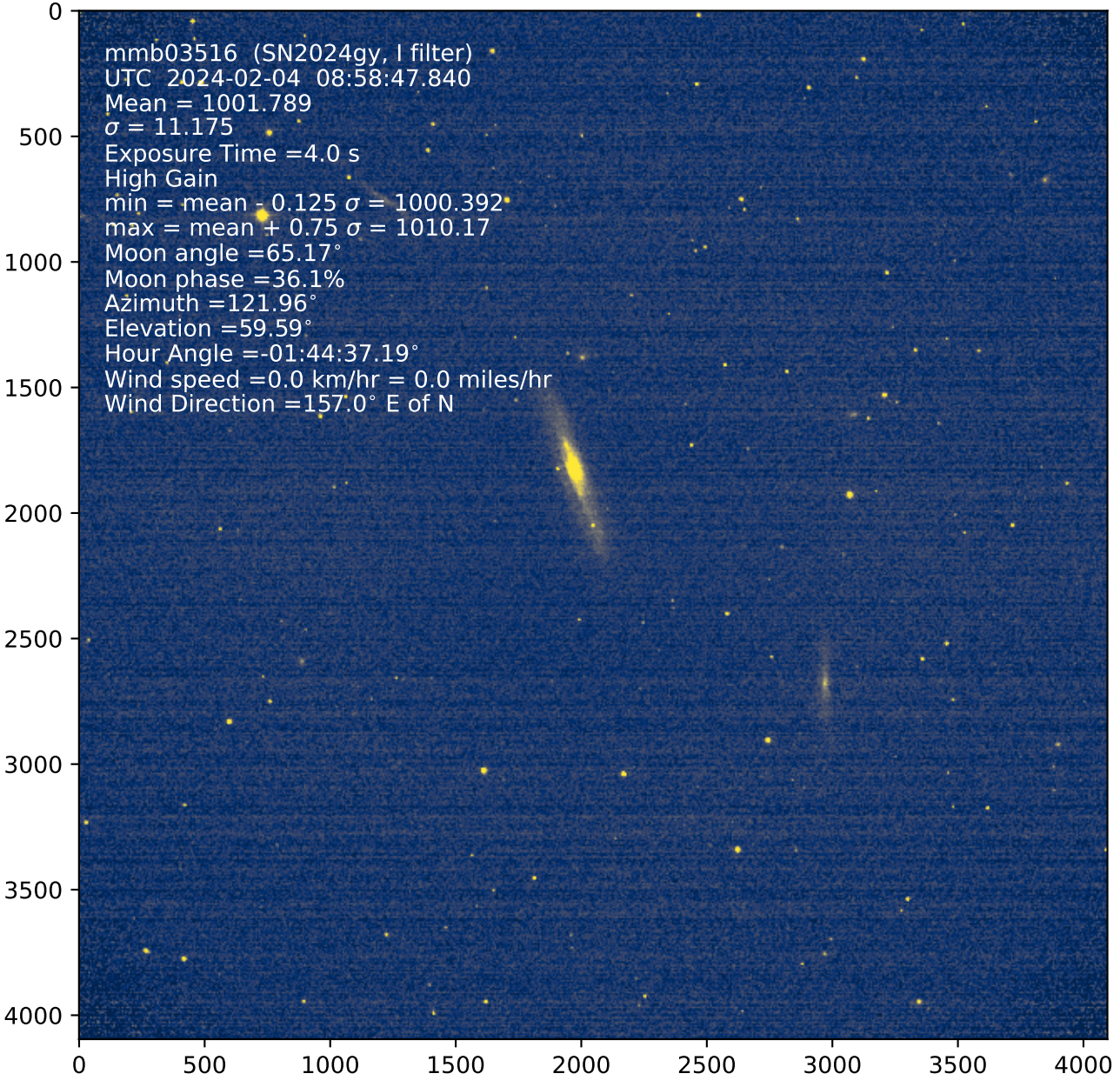

mws03523 (NGC2126, I filter)
UTC 2024-02-04 08:48:43.450
Mean = 1029.084
σ = 55.336
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1022.167
max = mean + 0.75 σ = 1070.587
Moon angle =144.41°
Moon phase =36.17%
Azimuth =310.97°
Elevation =39.65°
Hour Angle =04:17:52.74°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

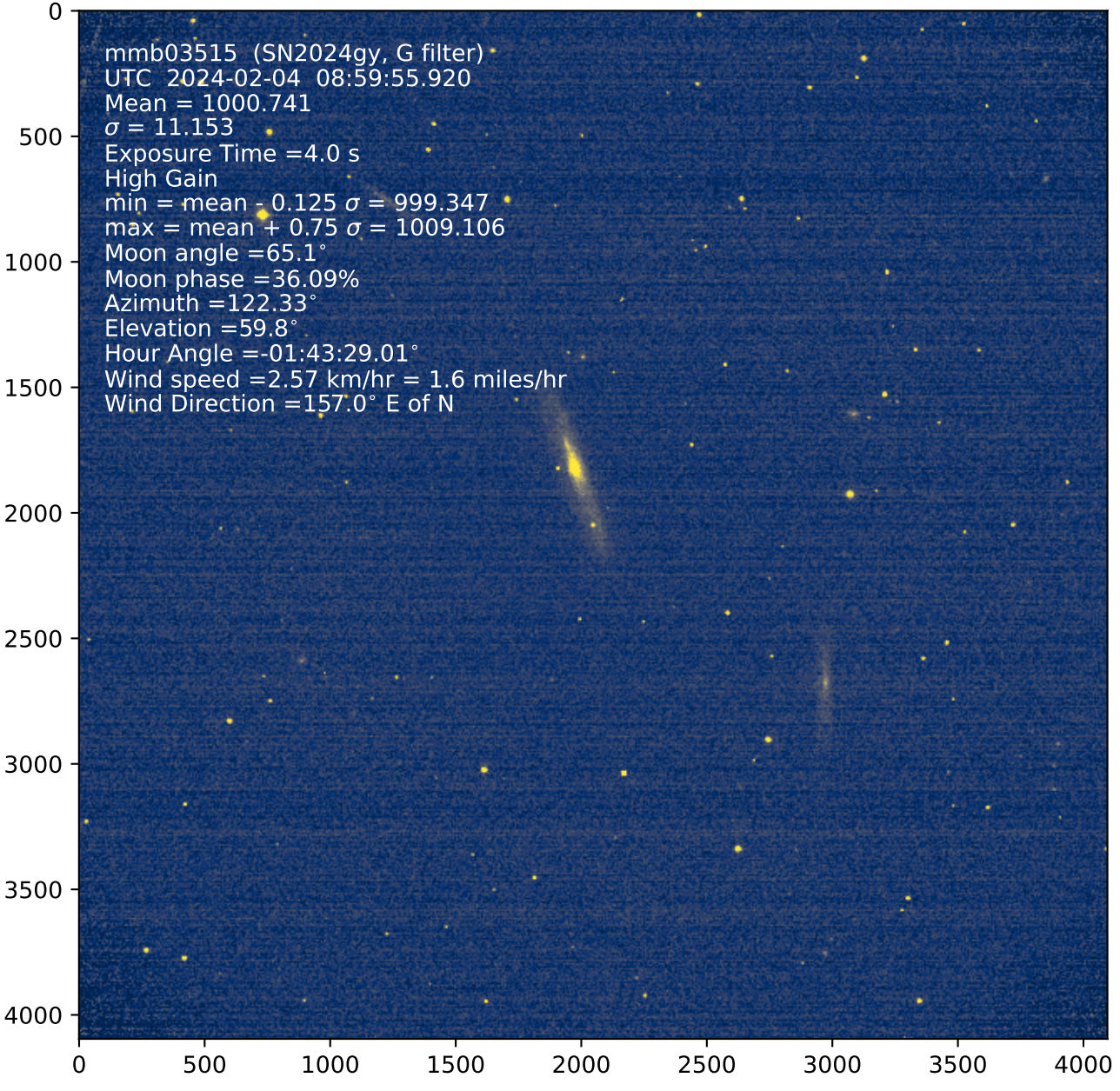

foc03517 (Focus, I filter)
UTC 2024-02-04 08:50:28.960
Mean = 1043.199
σ = 198.859
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1018.341
max = mean + 0.75 σ = 1192.343
Moon angle =100.91°
Moon phase =36.16%
Azimuth =250.93°
Elevation =84.91°
Hour Angle =00:22:11.16°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

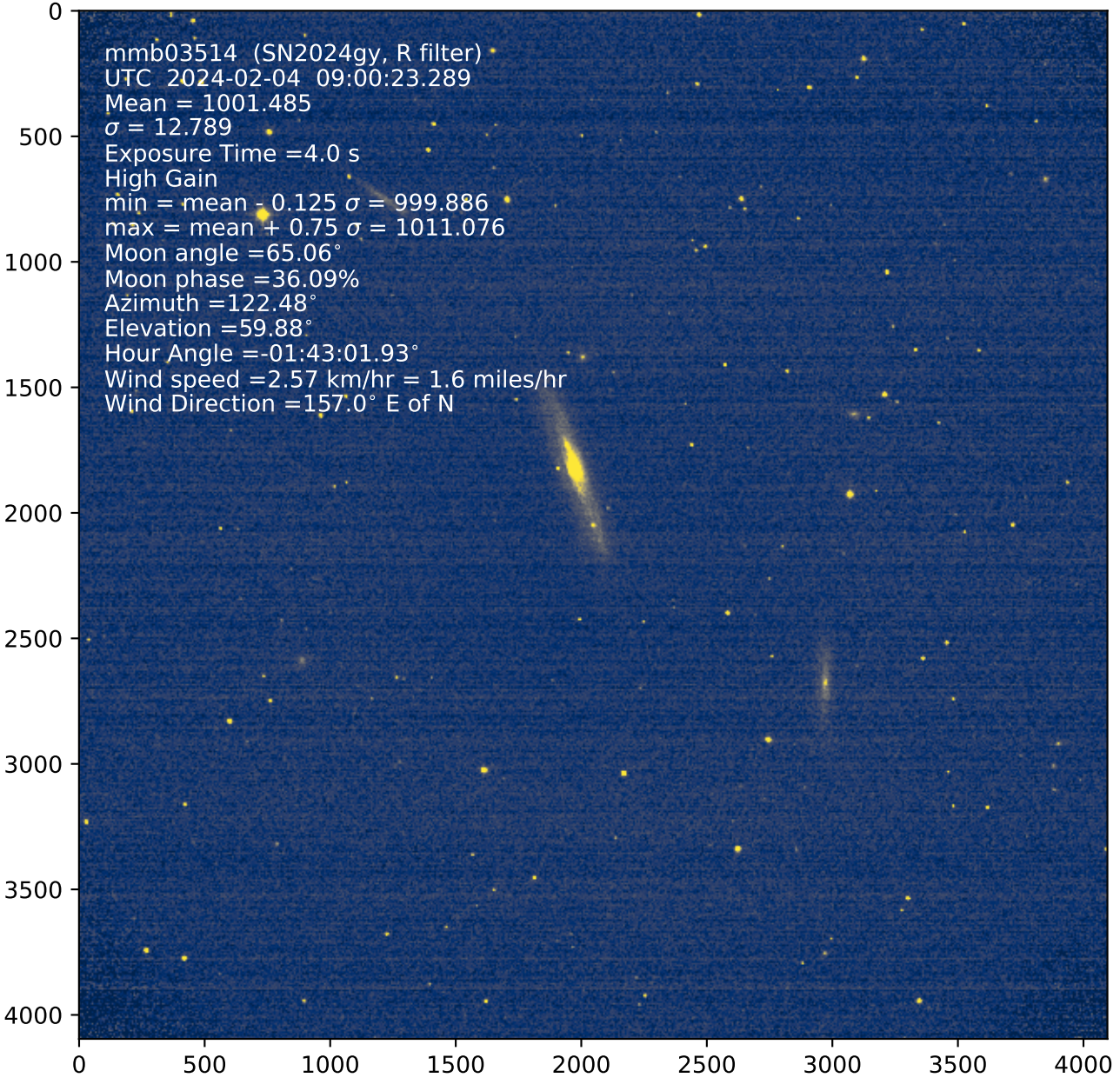

foc03516 (Focus, G filter)
UTC 2024-02-04 08:51:52.369
Mean = 1029.087
σ = 210.747
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1002.744
max = mean + 0.75 σ = 1187.147
Moon angle =100.91°
Moon phase =36.15%
Azimuth =252.13°
Elevation =84.63°
Hour Angle =00:23:34.39°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

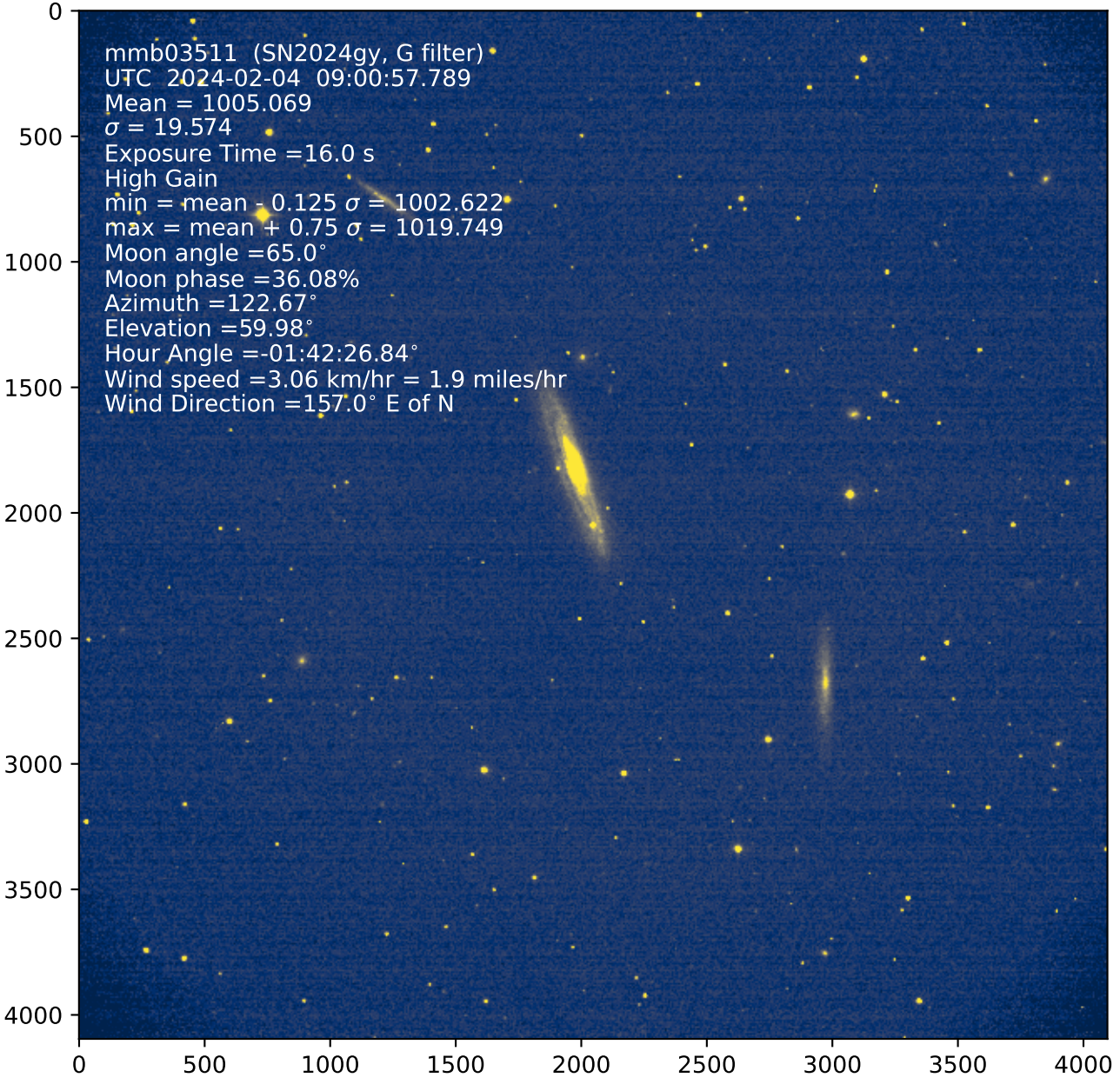

foc03515 (Focus, R filter)
UTC 2024-02-04 08:53:15.400
Mean = 1039.659
σ = 242.602
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1009.334
max = mean + 0.75 σ = 1221.611
Moon angle =100.9°
Moon phase =36.14%
Azimuth =253.22°
Elevation =84.35°
Hour Angle =00:24:57.61°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

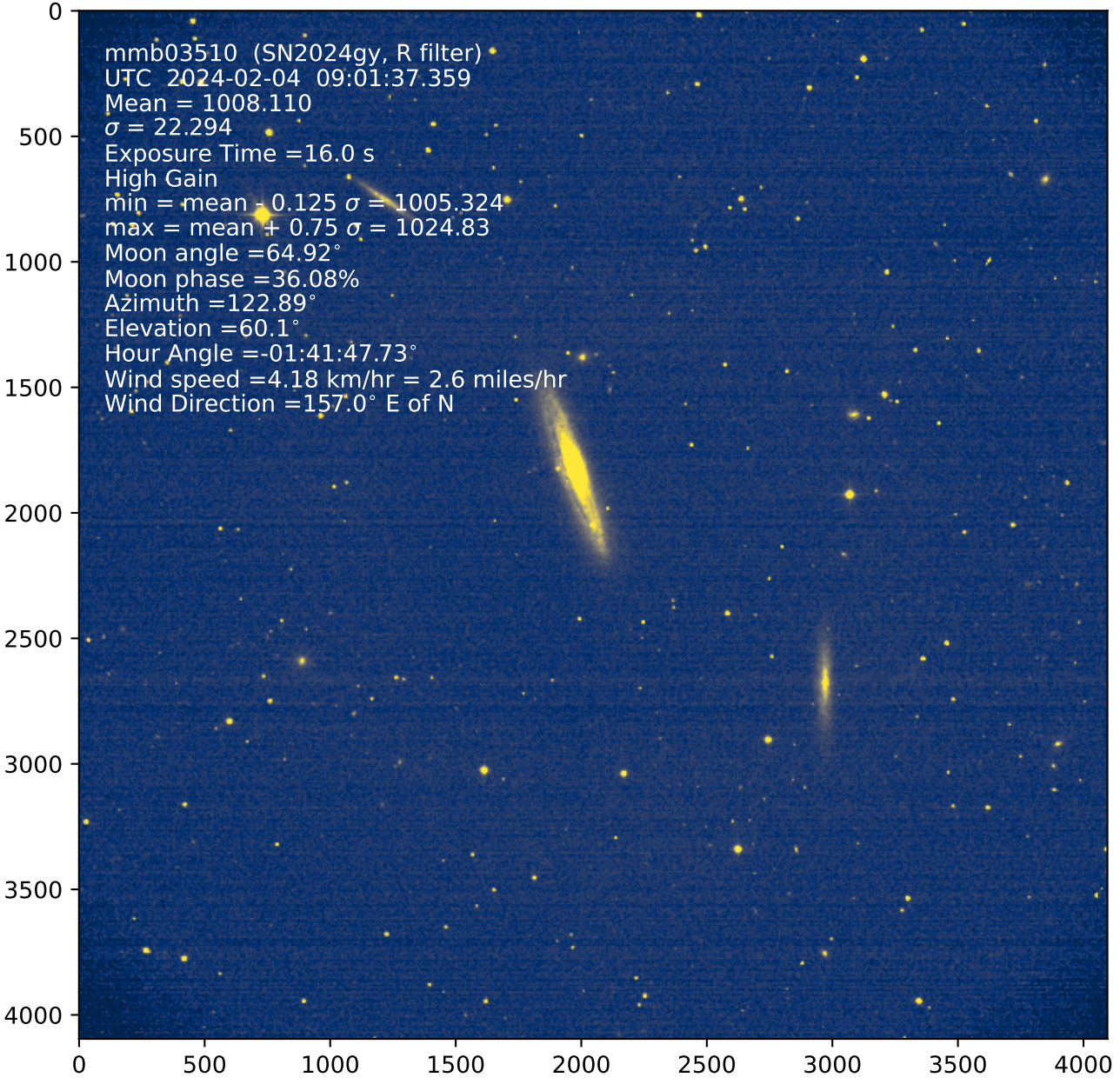

mmb03517 (SN2024gy, 6 filter)
UTC 2024-02-04 08:55:15.43
Mean = 1013.522
σ = 38.827
Exposure Time =128.0 s
High Gain
min = mean - 0.125 σ = 1008.668
max = mean + 0.75 σ = 1042.642
Moon angle =65.27°
Moon phase =36.12%
Azimuth =120.83°
Elevation =58.95°
Hour Angle =-01:48:10.77°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

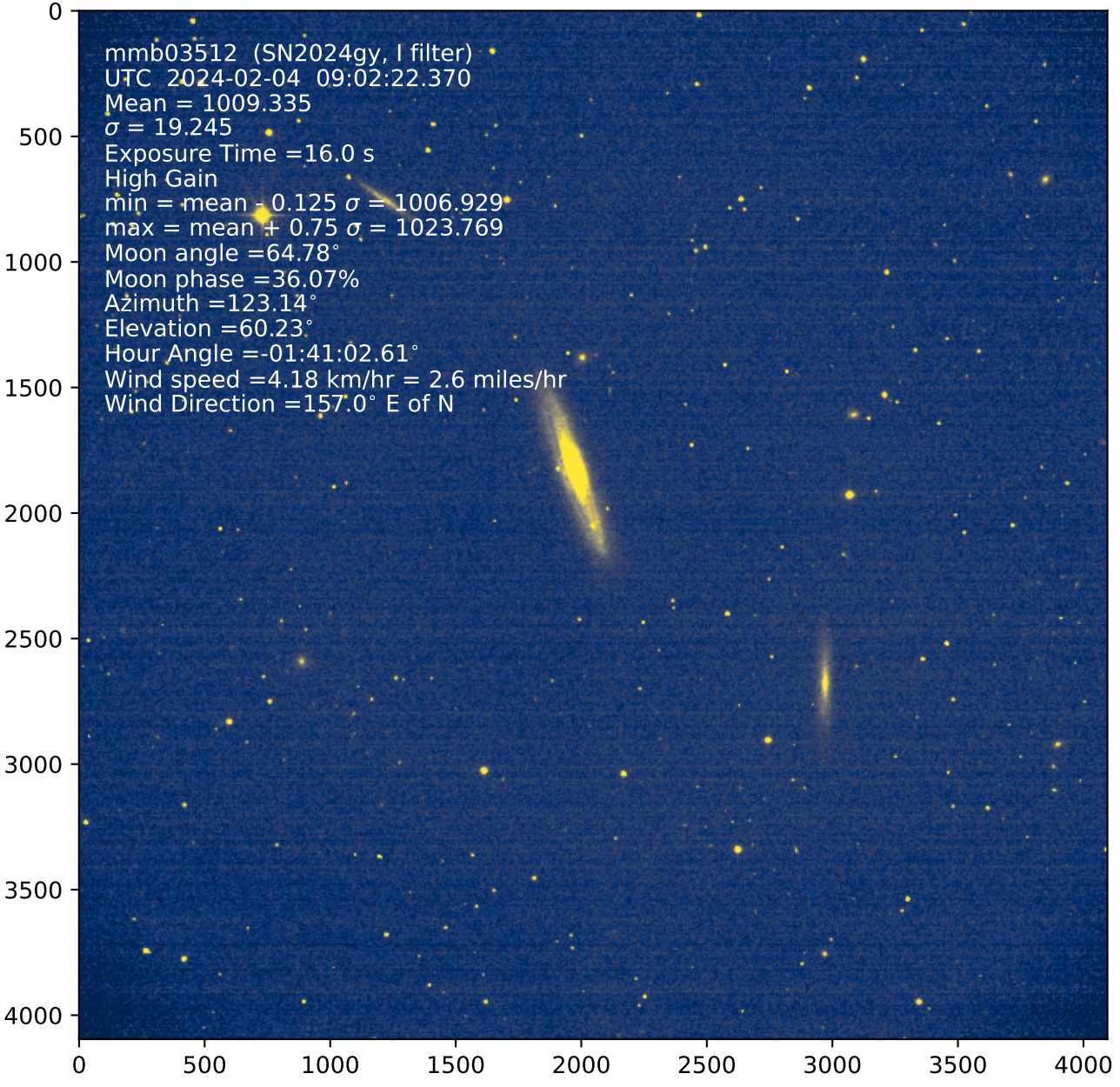

mmb03516 (SN2024gy, I filter)
UTC 2024-02-04 08:58:47.840
Mean = 1001.789
σ = 11.175
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1000.392
max = mean + 0.75 σ = 1010.17
Moon angle =65.17°
Moon phase =36.1%
Azimuth =121.96°
Elevation =59.59°
Hour Angle =-01:44:37.19°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

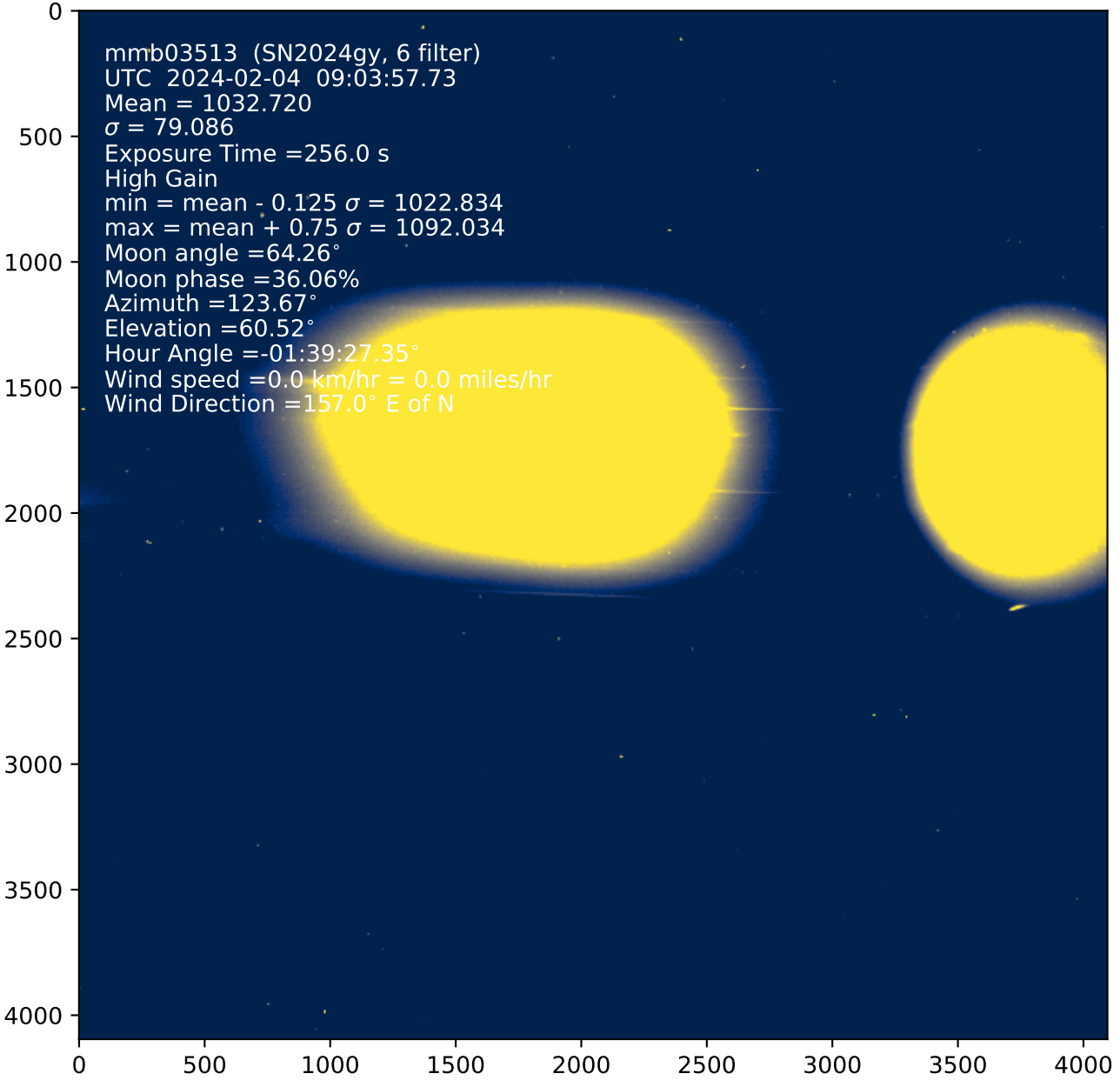

mmb03515 (SN2024gy, G filter)
UTC 2024-02-04 08:59:55.920
Mean = 1000.741
σ = 11.153
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.347
max = mean + 0.75 σ = 1009.106
Moon angle =65.1˚
Moon phase =36.09%
Azimuth =122.33˚
Elevation =59.8˚
Hour Angle =-01:43:29.01˚
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =157.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

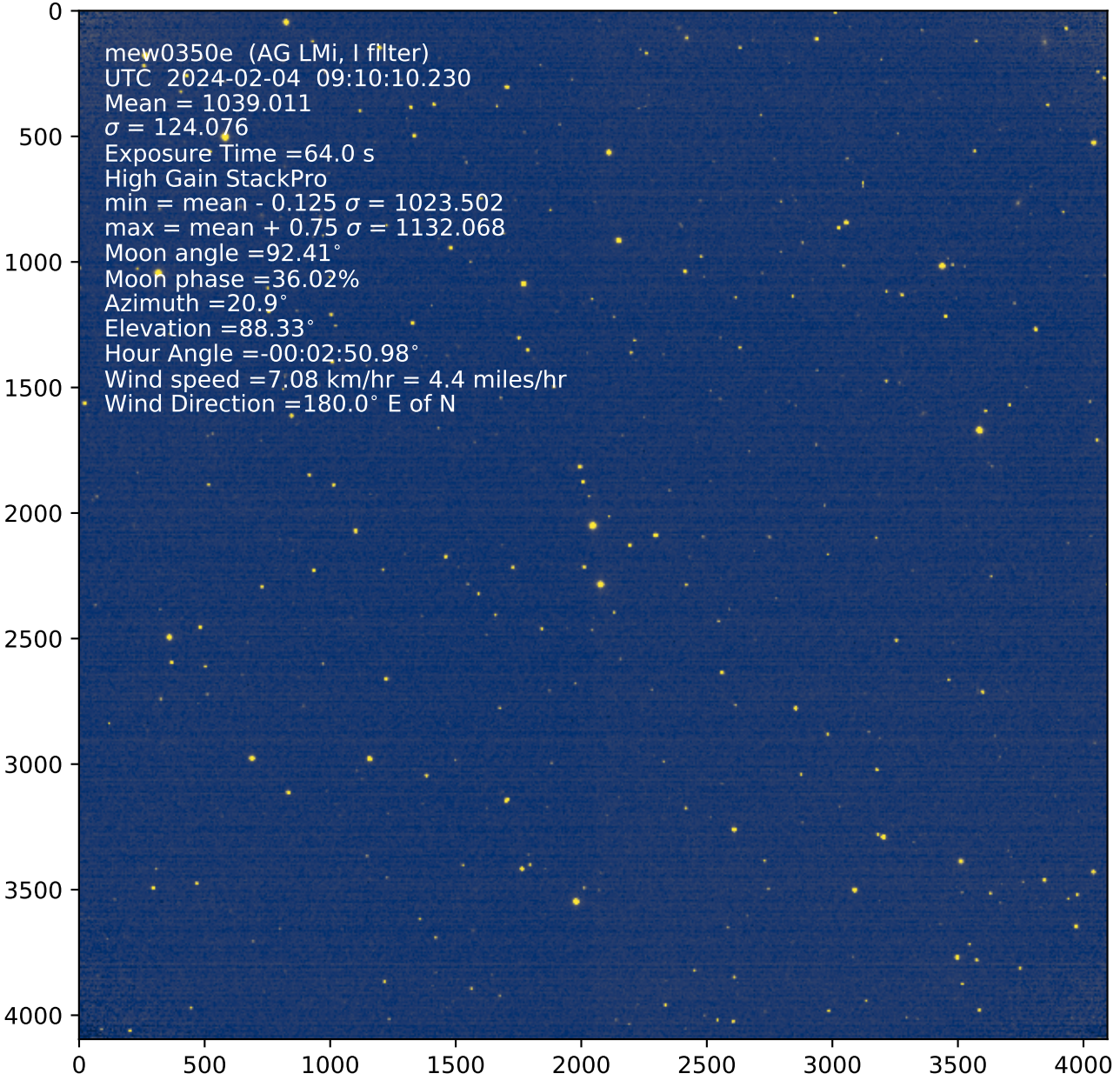

mmb03514 (SN2024gy, R filter)
UTC 2024-02-04 09:00:23.289
Mean = 1001.485
σ = 12.789
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.886
max = mean + 0.75 σ = 1011.076
Moon angle =65.06°
Moon phase =36.09%
Azimuth =122.48°
Elevation =59.88°
Hour Angle =-01:43:01.93°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

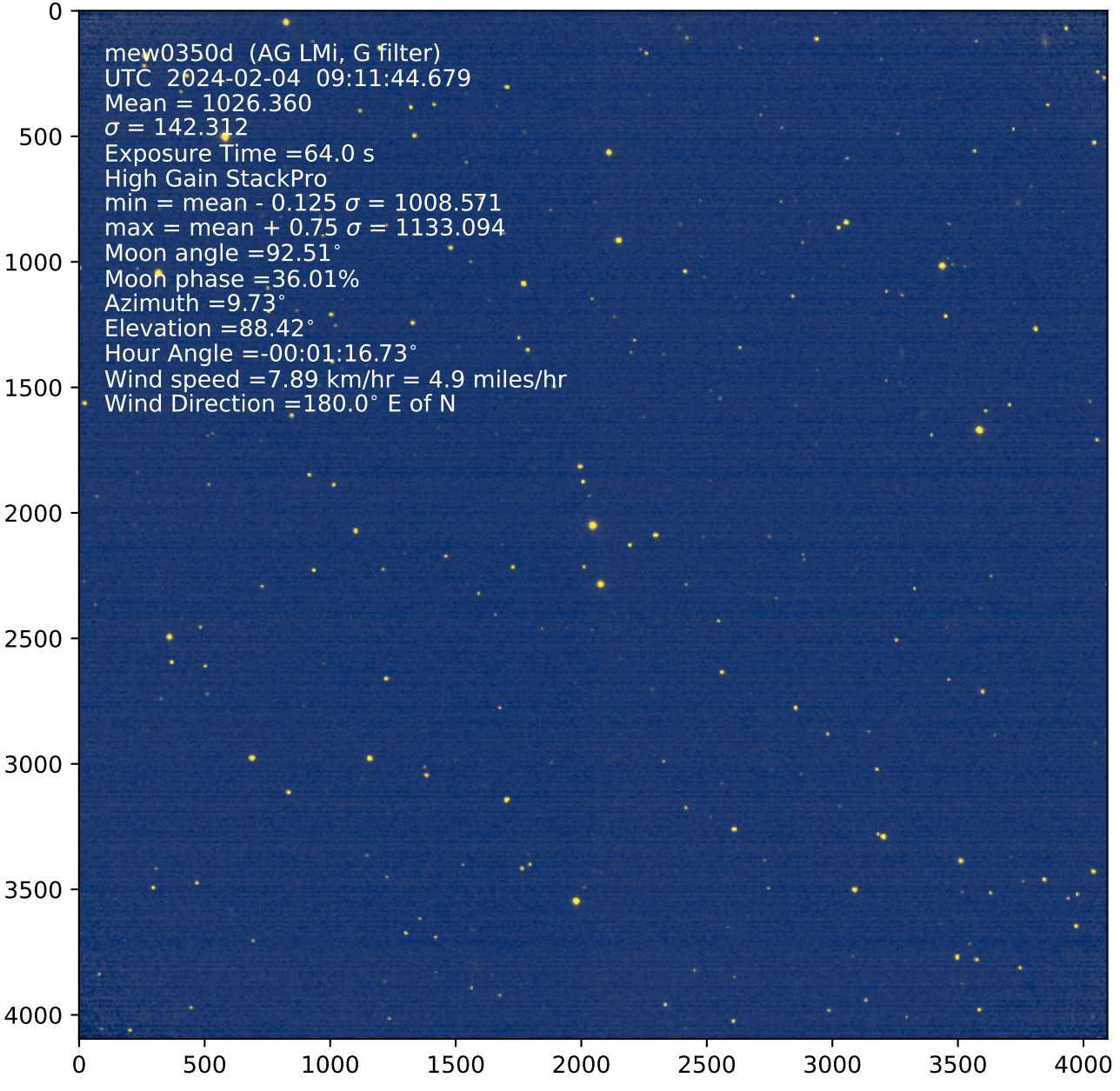

mmb03511 (SN2024gy, G filter)
UTC 2024-02-04 09:00:57.789
Mean = 1005.069
σ = 19.574
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.622
max = mean + 0.75 σ = 1019.749
Moon angle =65.0°
Moon phase =36.08%
Azimuth =122.67°
Elevation =59.98°
Hour Angle =-01:42:26.84°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

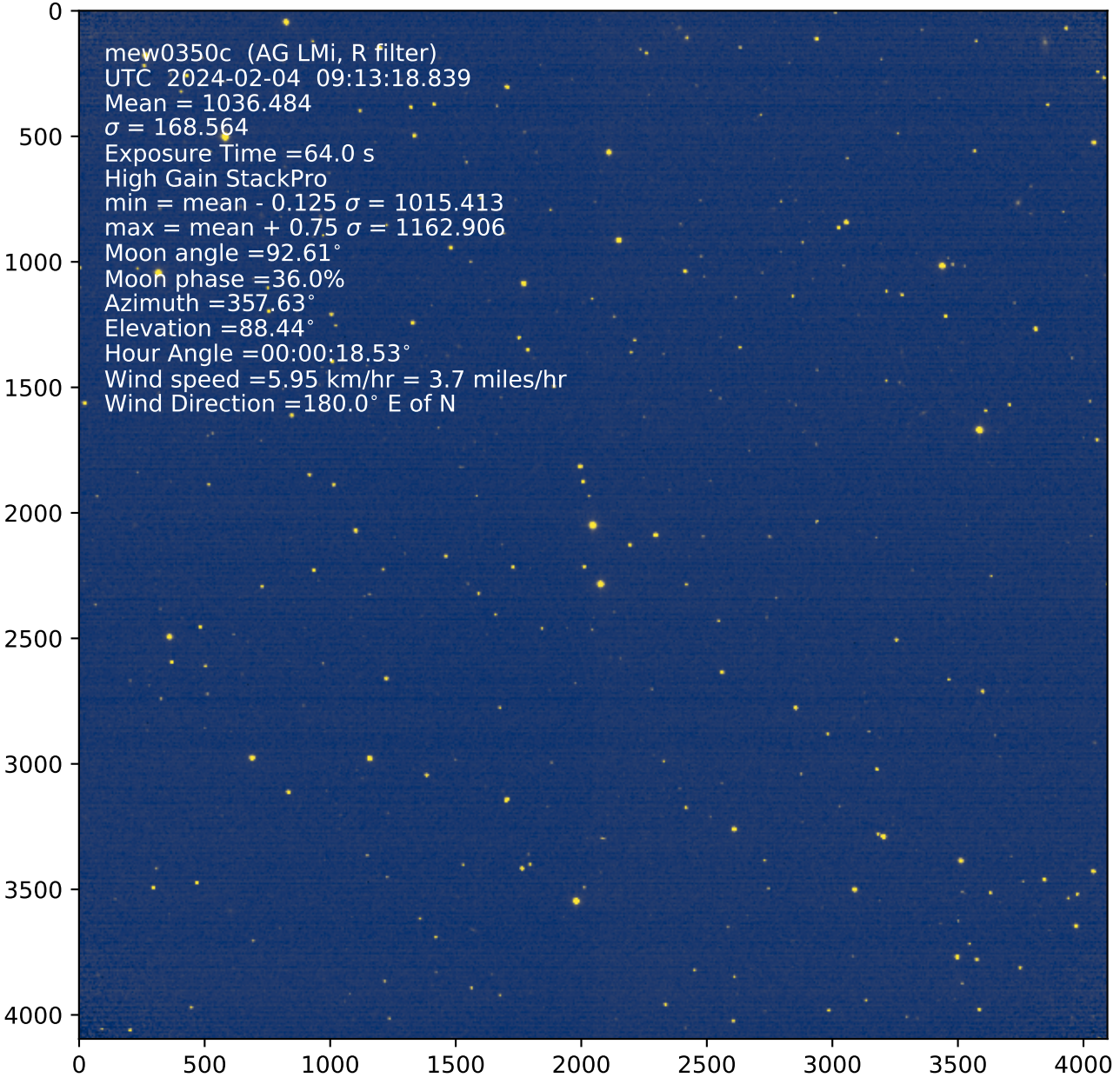

mmb03510 (SN2024gy, R filter)
UTC 2024-02-04 09:01:37.359
Mean = 1008.110
σ = 22.294
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1005.324
max = mean + 0.75 σ = 1024.83
Moon angle =64.92°
Moon phase =36.08%
Azimuth =122.89°
Elevation =60.1°
Hour Angle =-01:41:47.73°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

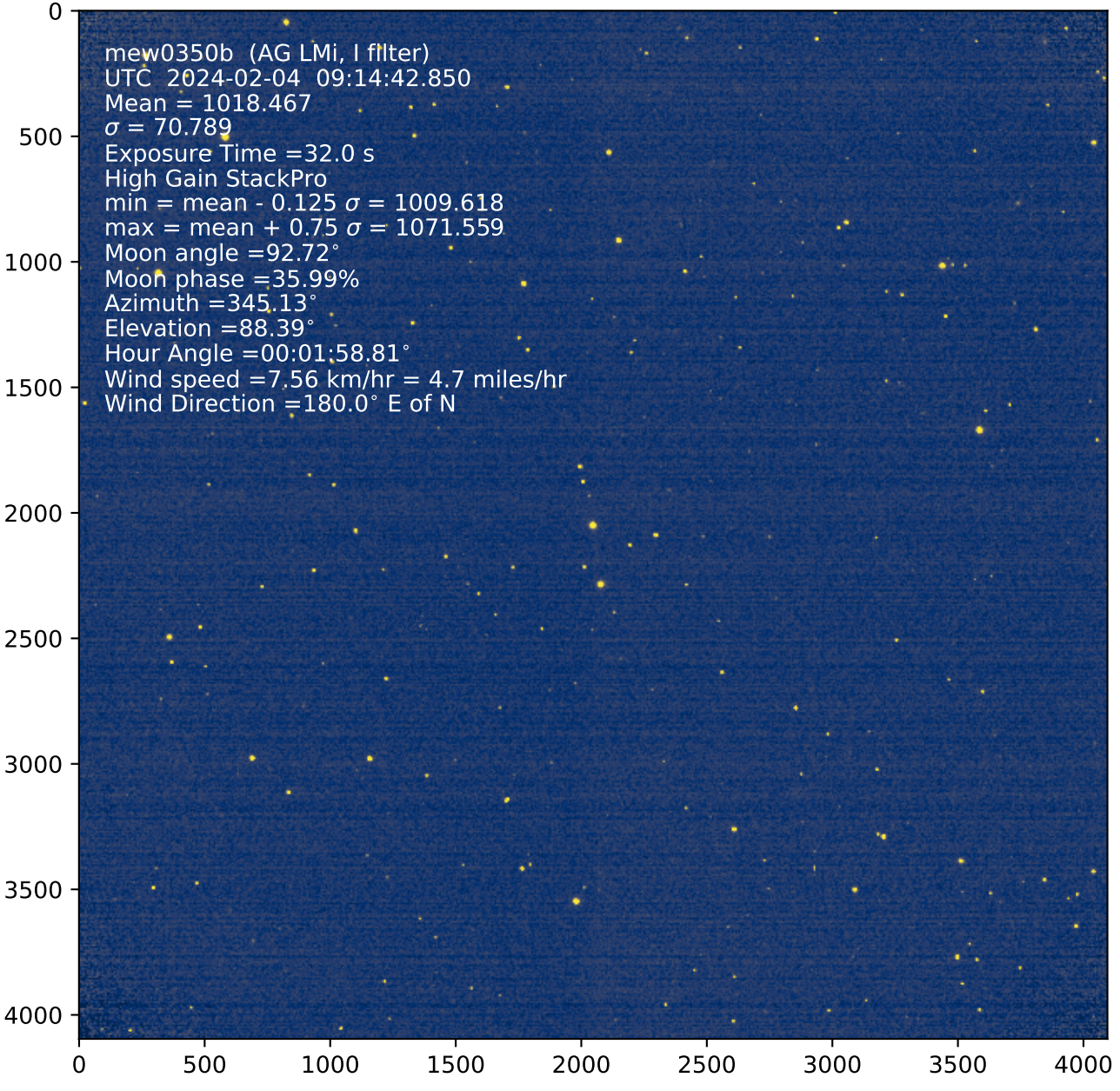

mmb03512 (SN2024gy, I filter)
UTC 2024-02-04 09:02:22.370
Mean = 1009.335
σ = 19.245
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1006.929
max = mean + 0.75 σ = 1023.769
Moon angle =64.78°
Moon phase =36.07%
Azimuth =123.14°
Elevation =60.23°
Hour Angle =-01:41:02.61°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

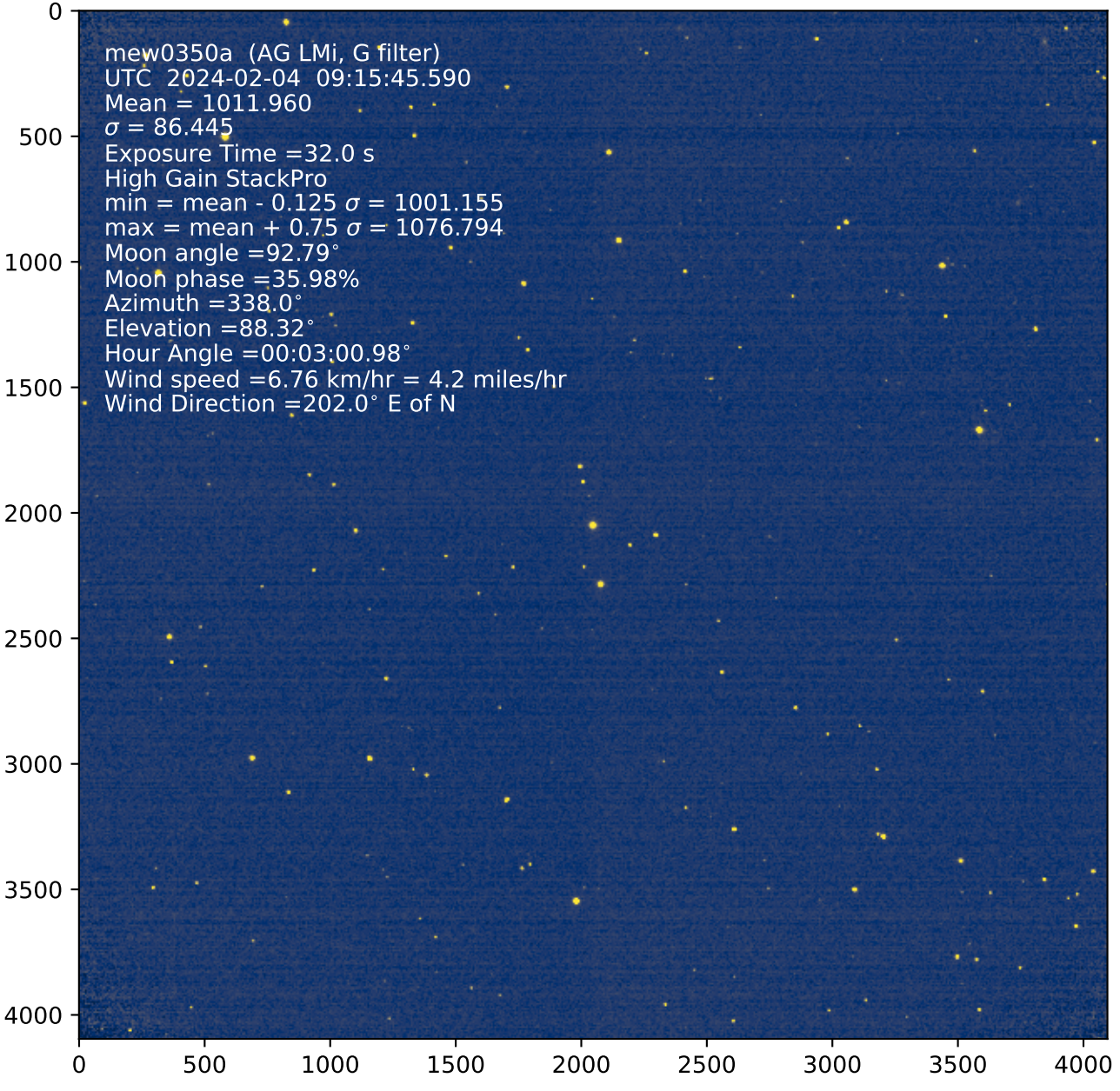

mmb03513 (SN2024gy, 6 filter)
UTC 2024-02-04 09:03:57.73
Mean = 1032.720
σ = 79.086
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1022.834
max = mean + 0.75 σ = 1092.034
Moon angle =64.26°
Moon phase =36.06%
Azimuth =123.67°
Elevation =60.52°
Hour Angle =-01:39:27.35°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

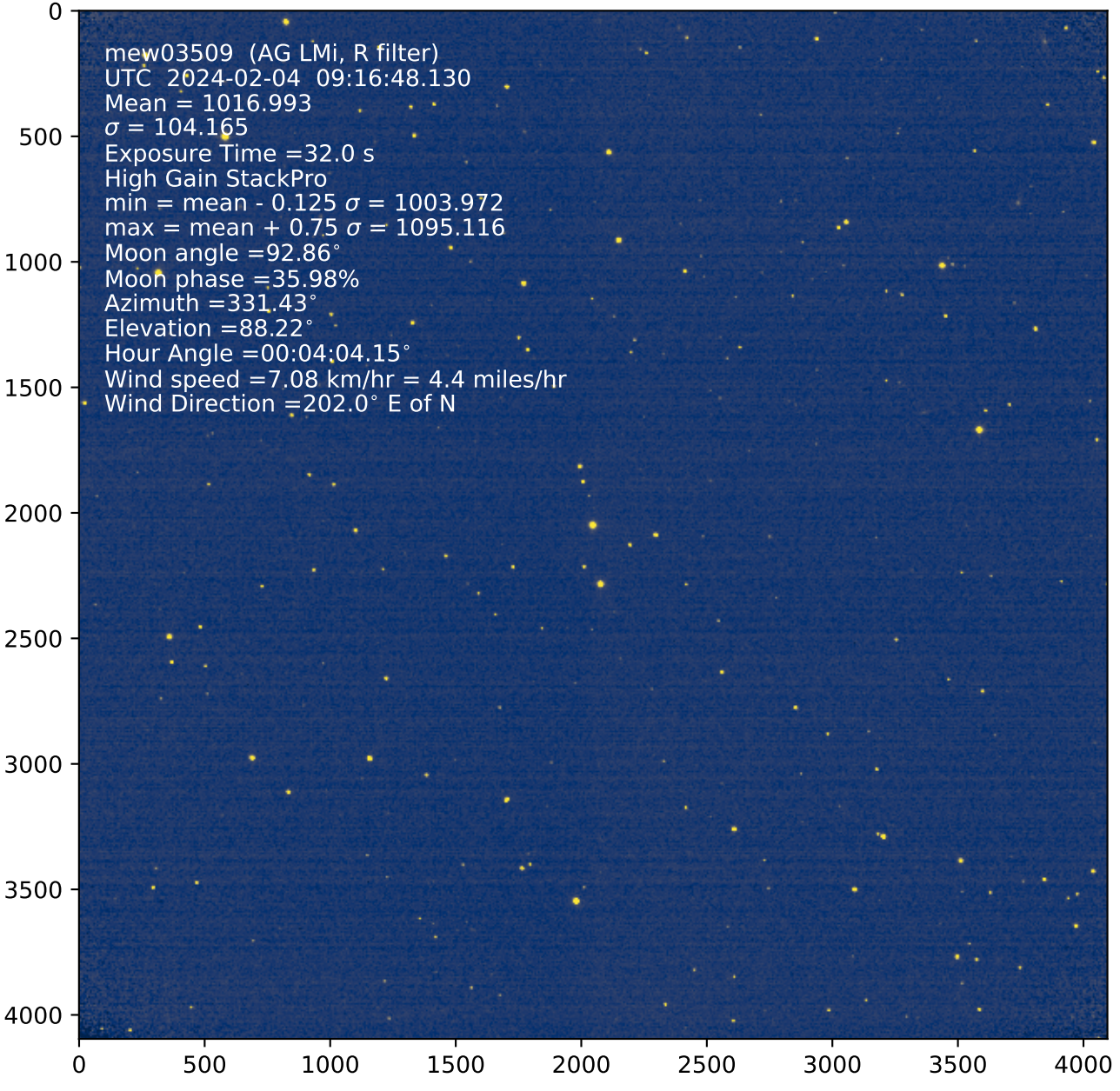

mew0350e (AG LMi, I filter)
UTC 2024-02-04 09:10:10.230
Mean = 1039.011
σ = 124.076
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1023.502
max = mean + 0.75 σ = 1132.068
Moon angle =92.41°
Moon phase =36.02%
Azimuth =20.9°
Elevation =88.33°
Hour Angle =-00:02:50.98°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

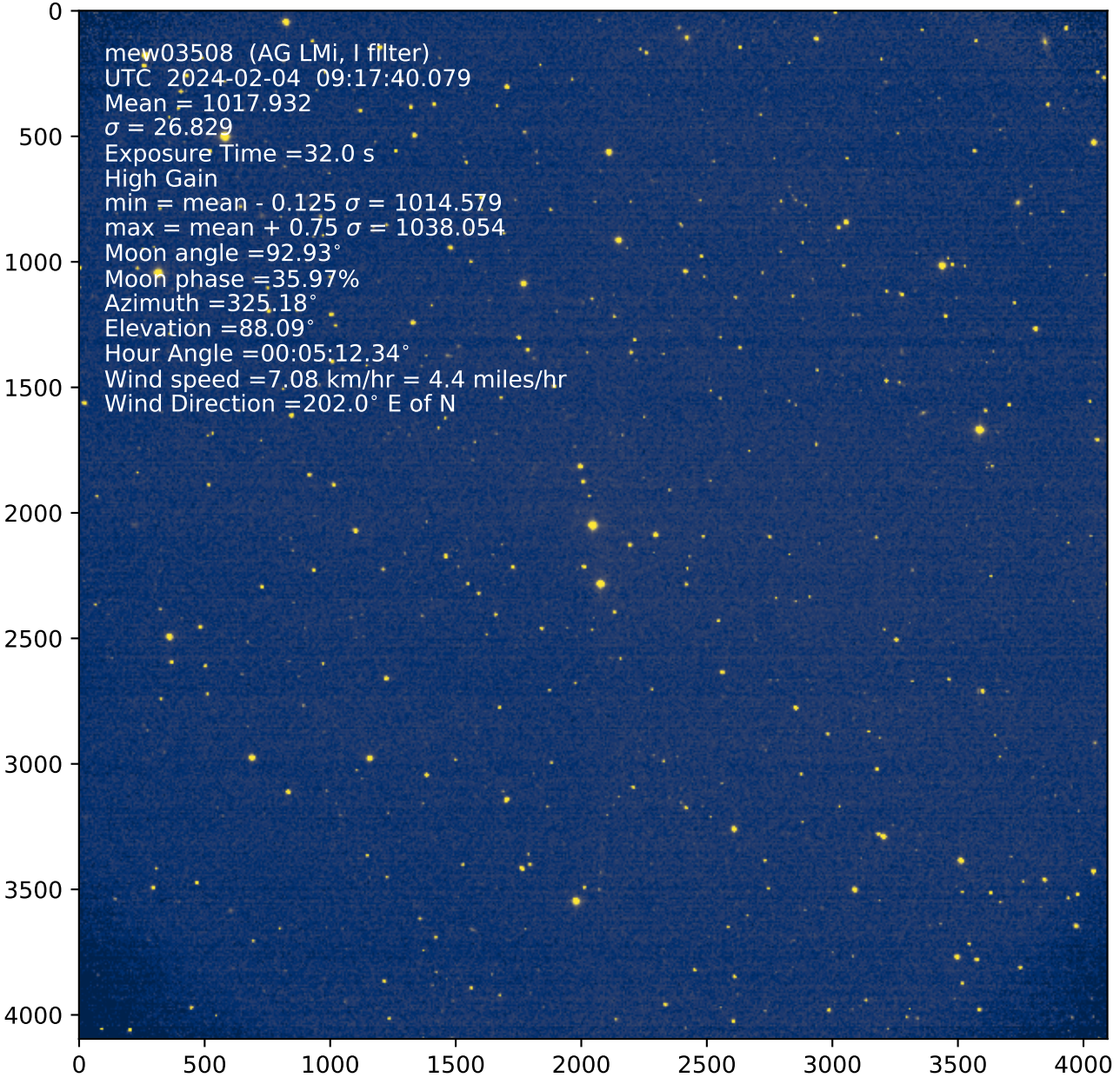

mew0350d (AG LMi, G filter)
UTC 2024-02-04 09:11:44.679
Mean = 1026.360
σ = 142.312
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1008.571
max = mean + 0.75 σ = 1133.094
Moon angle =92.51°
Moon phase =36.01%
Azimuth =9.73°
Elevation =88.42°
Hour Angle =-00:01:16.73°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

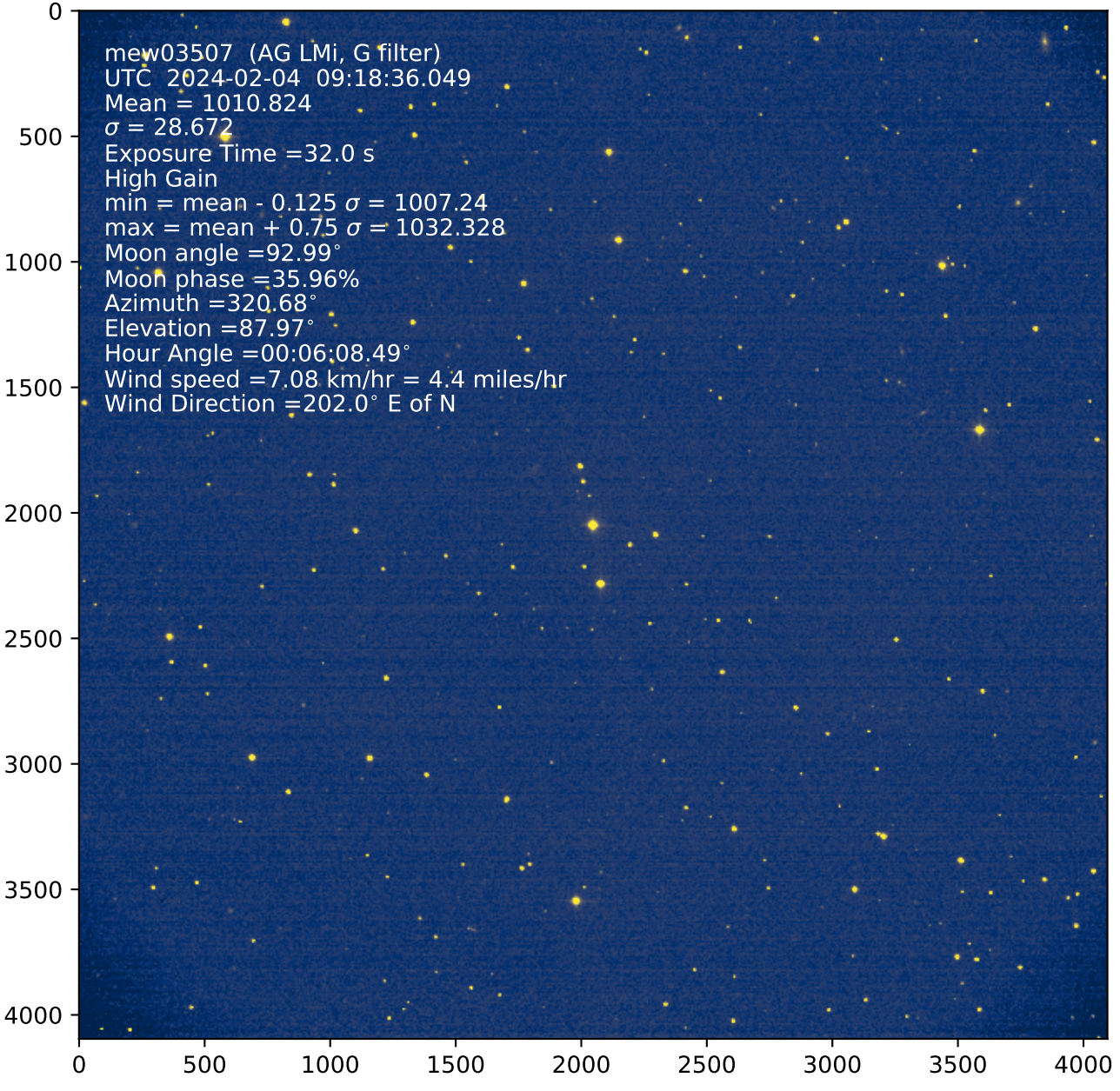

mew0350c (AG LMi, R filter)
UTC 2024-02-04 09:13:18.839
Mean = 1036.484
σ = 168.564
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1015.413
max = mean + 0.75 σ = 1162.906
Moon angle =92.61°
Moon phase =36.0%
Azimuth =357.63°
Elevation =88.44°
Hour Angle =00:00:18.53°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

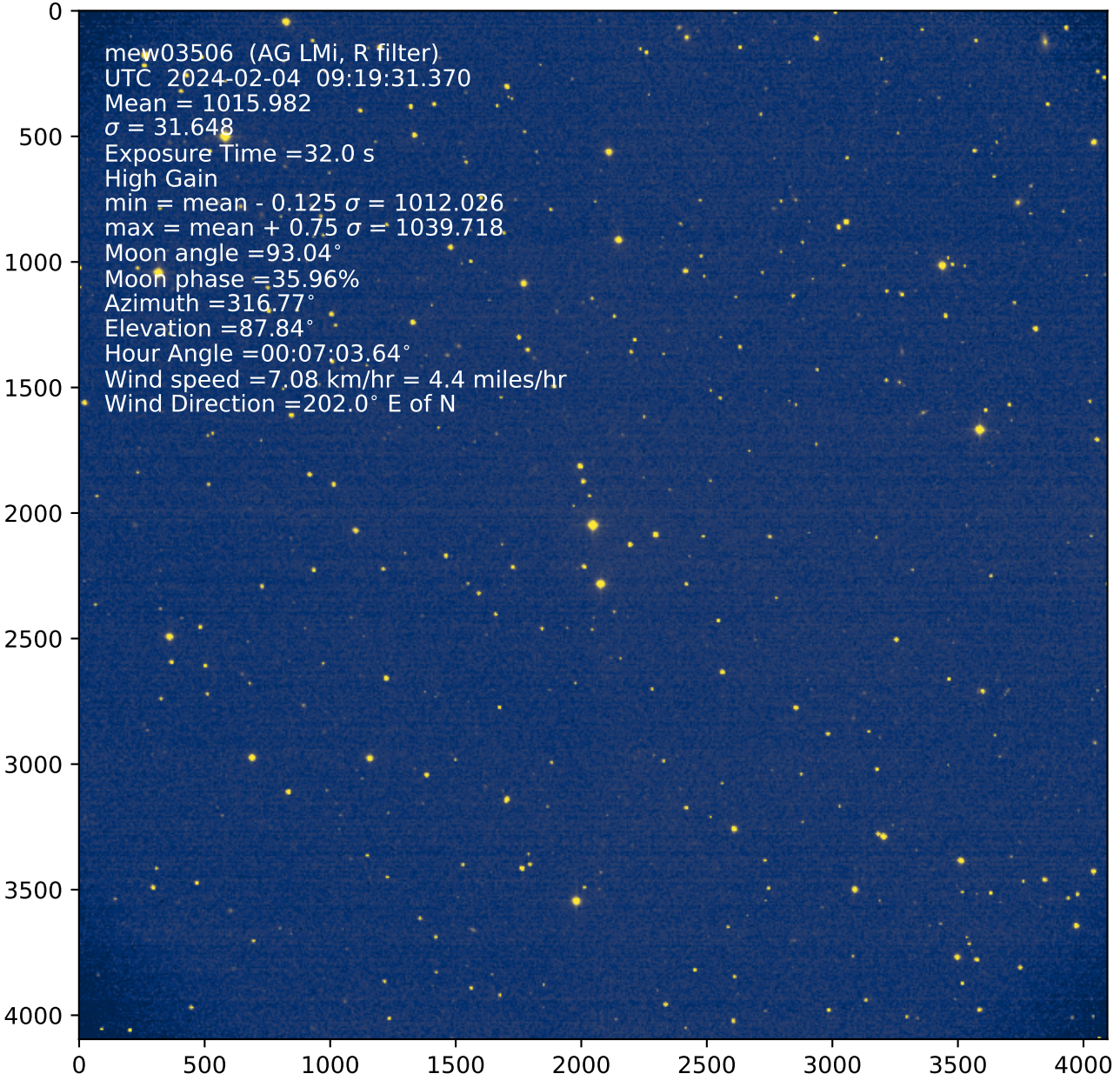

mew0350b (AG LMi, I filter)
UTC 2024-02-04 09:14:42.850
Mean = 1018.467
σ = 70.789
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 1009.618
max = mean + 0.75 σ = 1071.559
Moon angle =92.72°
Moon phase =35.99%
Azimuth =345.13°
Elevation =88.39°
Hour Angle =00:01:58.81°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

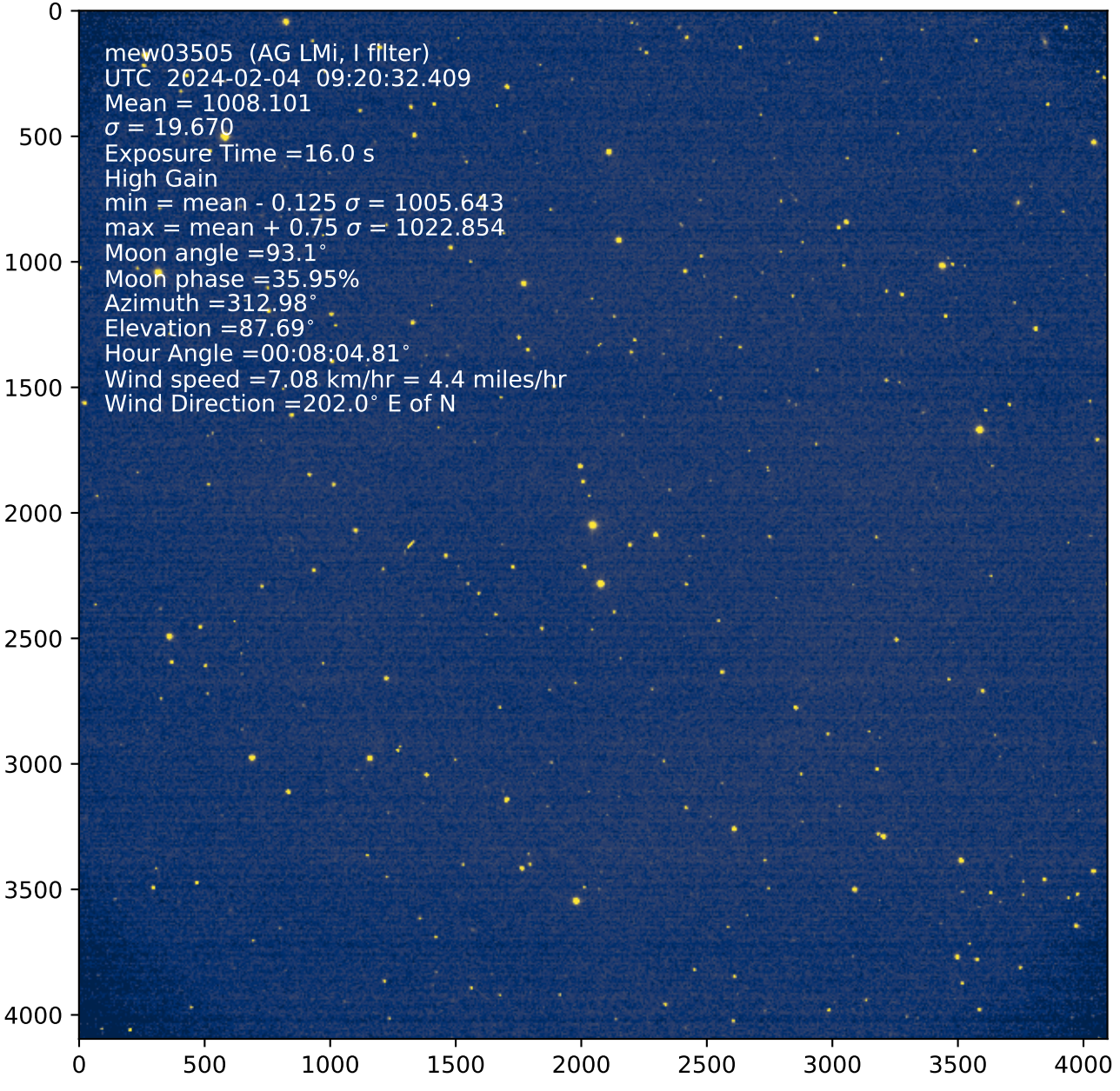

mew0350a (AG LMi, G filter)
UTC 2024-02-04 09:15:45.590
Mean = 1011.960
σ = 86.445
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 1001.155
max = mean + 0.75 σ = 1076.794
Moon angle =92.79°
Moon phase =35.98%
Azimuth =338.0°
Elevation =88.32°
Hour Angle =00:03:00.98°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

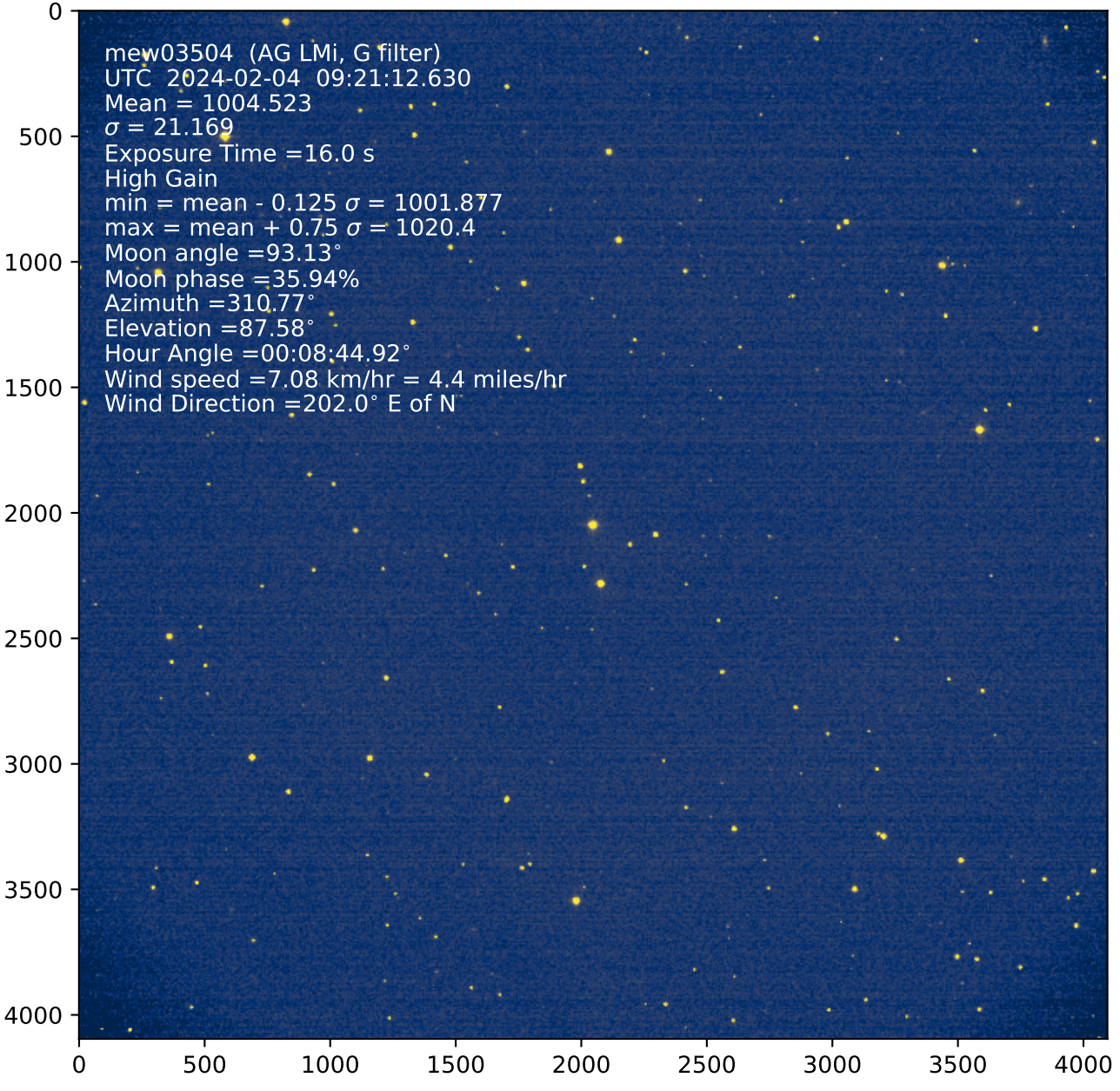

mew03509 (AG LMi, R filter)
UTC 2024-02-04 09:16:48.130
Mean = 1016.993
σ = 104.165
Exposure Time =32.0 s
High Gain StackPro
min = mean - 0.125 σ = 1003.972
max = mean + 0.75 σ = 1095.116
Moon angle =92.86°
Moon phase =35.98%
Azimuth =331.43°
Elevation =88.22°
Hour Angle =00:04:04.15°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

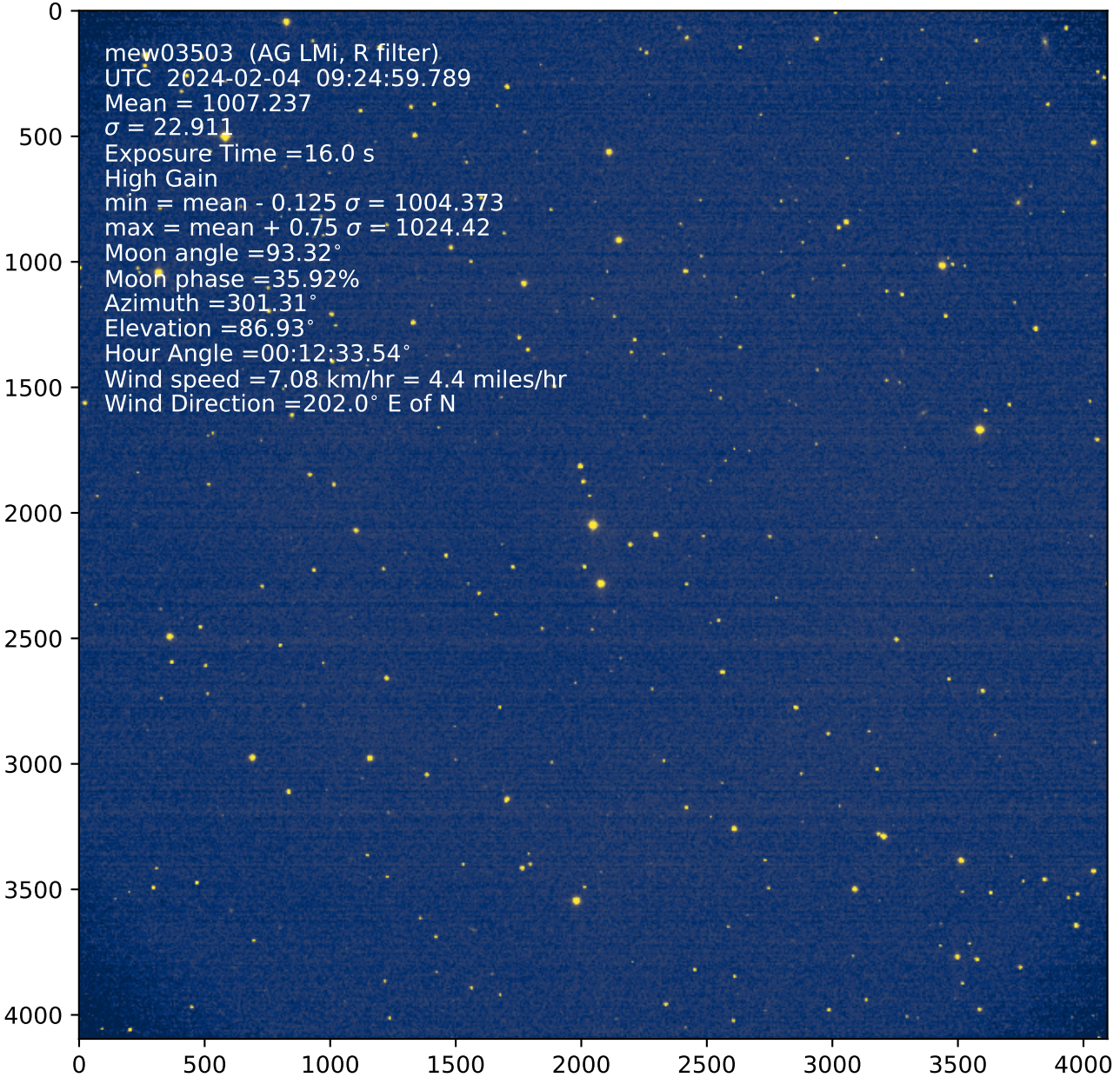

mew03508 (AG LMi, I filter)
UTC 2024-02-04 09:17:40.079
Mean = 1017.932
σ = 26.829
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1014.579
max = mean + 0.75 σ = 1038.054
Moon angle =92.93°
Moon phase =35.97%
Azimuth =325.18°
Elevation =88.09°
Hour Angle =00:05:12.34°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

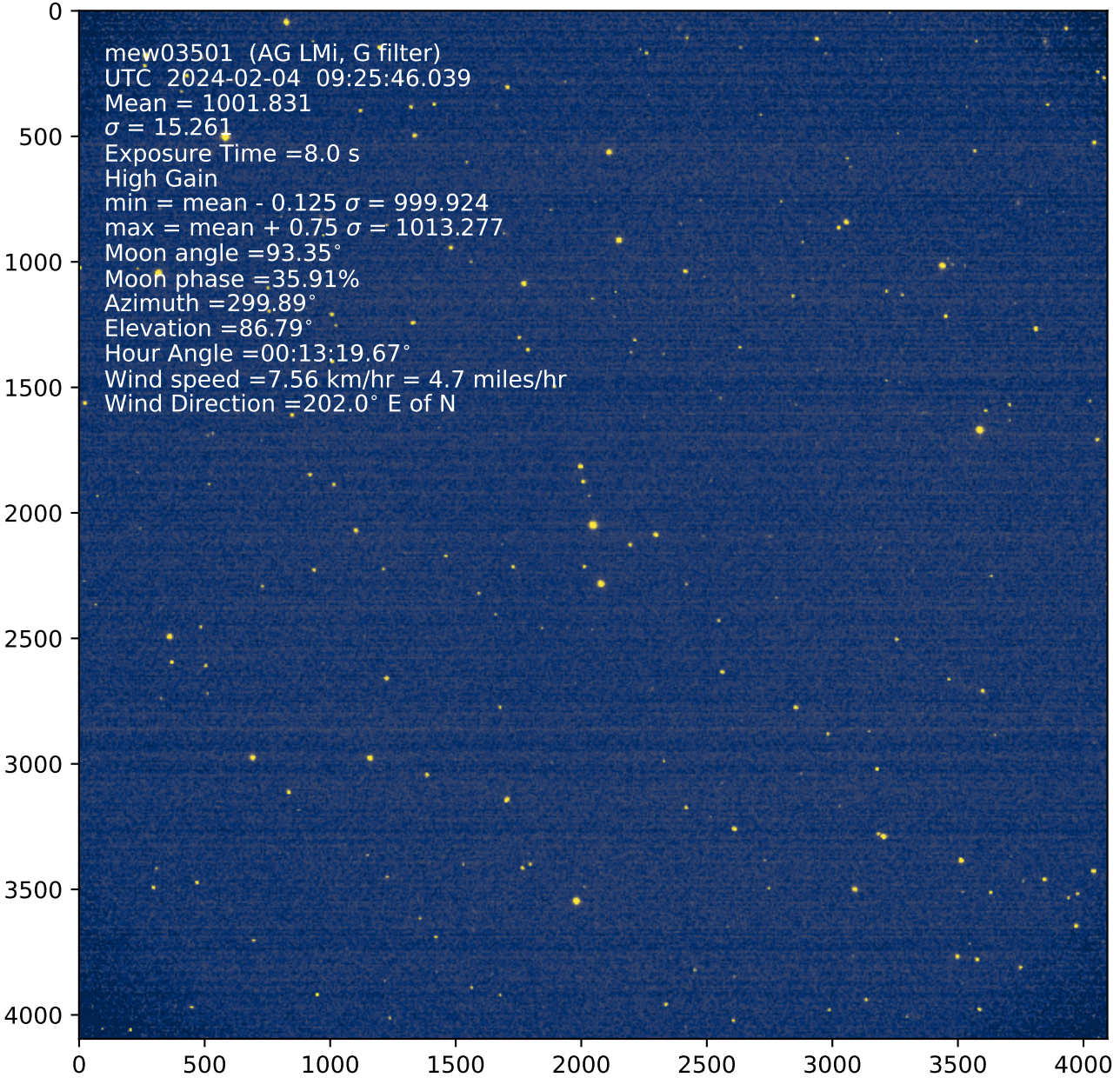

mew03507 (AG LMi, G filter)
UTC 2024-02-04 09:18:36.049
Mean = 1010.824
σ = 28.672
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.24
max = mean + 0.75 σ = 1032.328
Moon angle =92.99°
Moon phase =35.96%
Azimuth =320.68°
Elevation =87.97°
Hour Angle =00:06:08.49°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

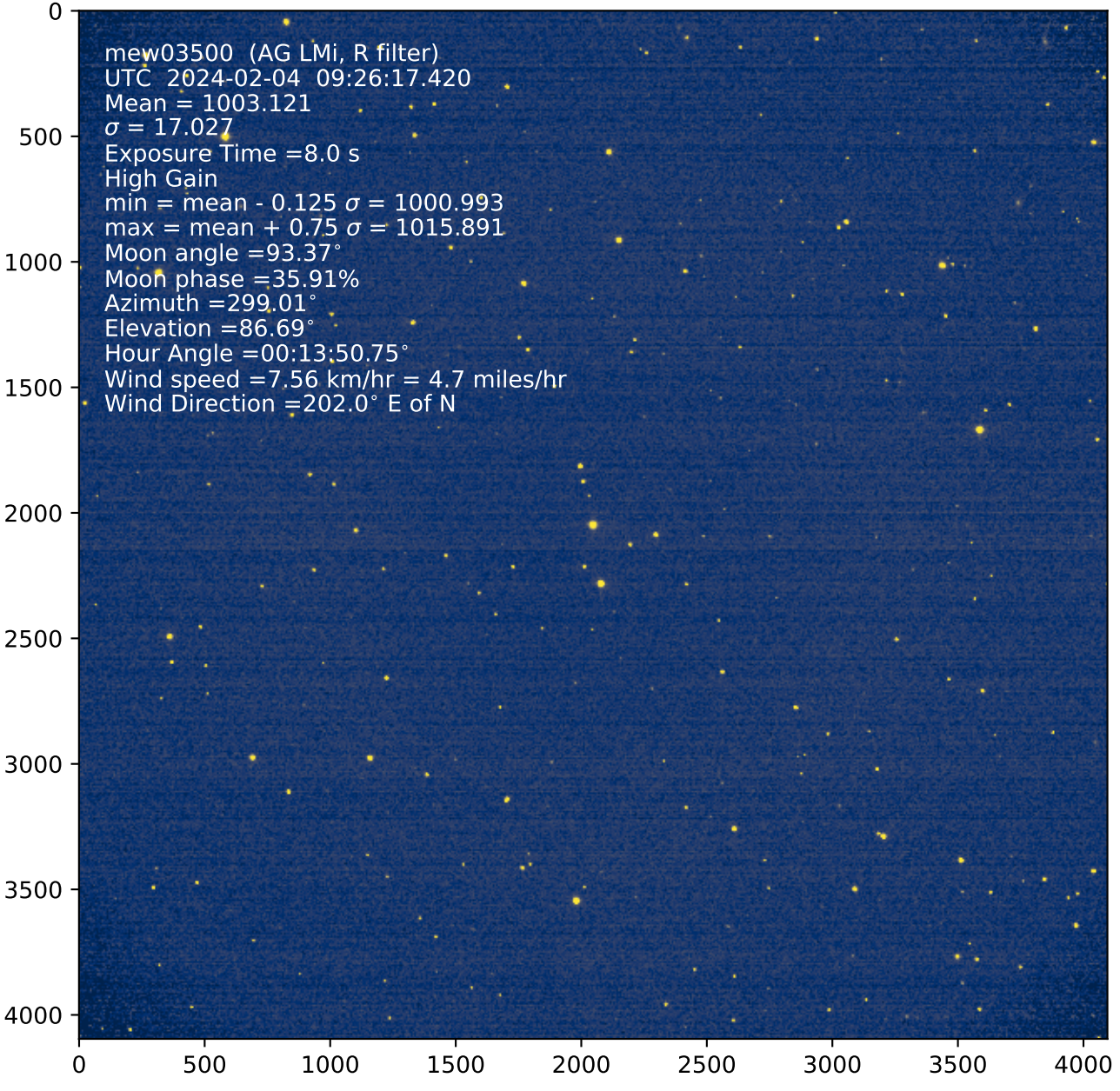

mew03506 (AG LMi, R filter)
UTC 2024-02-04 09:19:31.370
Mean = 1015.982
σ = 31.648
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1012.026
max = mean + 0.75 σ = 1039.718
Moon angle =93.04°
Moon phase =35.96%
Azimuth =316.77°
Elevation =87.84°
Hour Angle =00:07:03.64°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

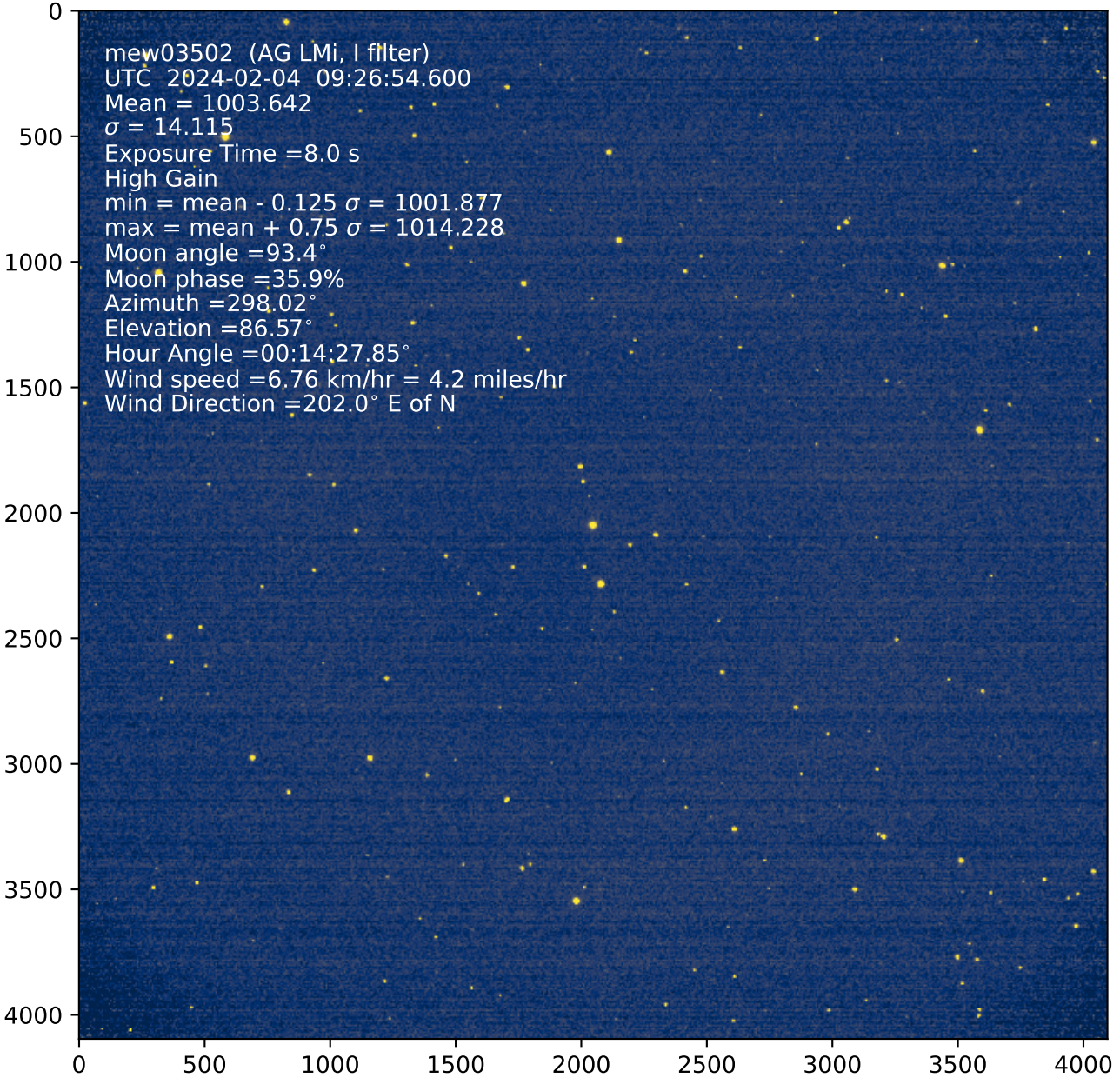

mew03505 (AG LMi, I filter)
UTC 2024-02-04 09:20:32.409
Mean = 1008.101
σ = 19.670
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1005.643
max = mean + 0.75 σ = 1022.854
Moon angle =93.1°
Moon phase =35.95%
Azimuth =312.98°
Elevation =87.69°
Hour Angle =00:08:04.81°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

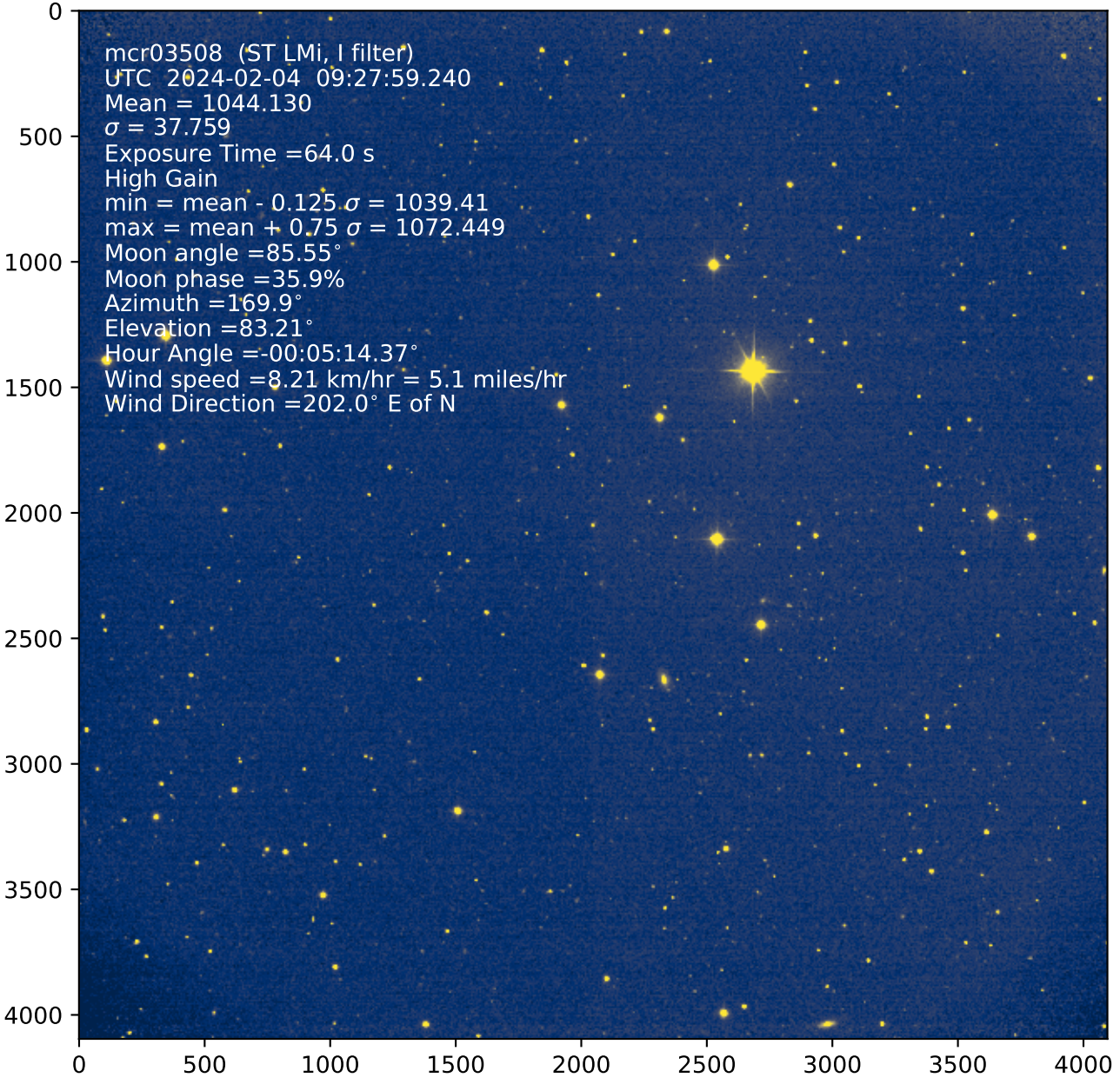

mew03504 (AG LMi, G filter)
UTC 2024-02-04 09:21:12.630
Mean = 1004.523
σ = 21.169
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1001.877
max = mean + 0.75 σ = 1020.4
Moon angle =93.13°
Moon phase =35.94%
Azimuth =310.77°
Elevation =87.58°
Hour Angle =00:08:44.92°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

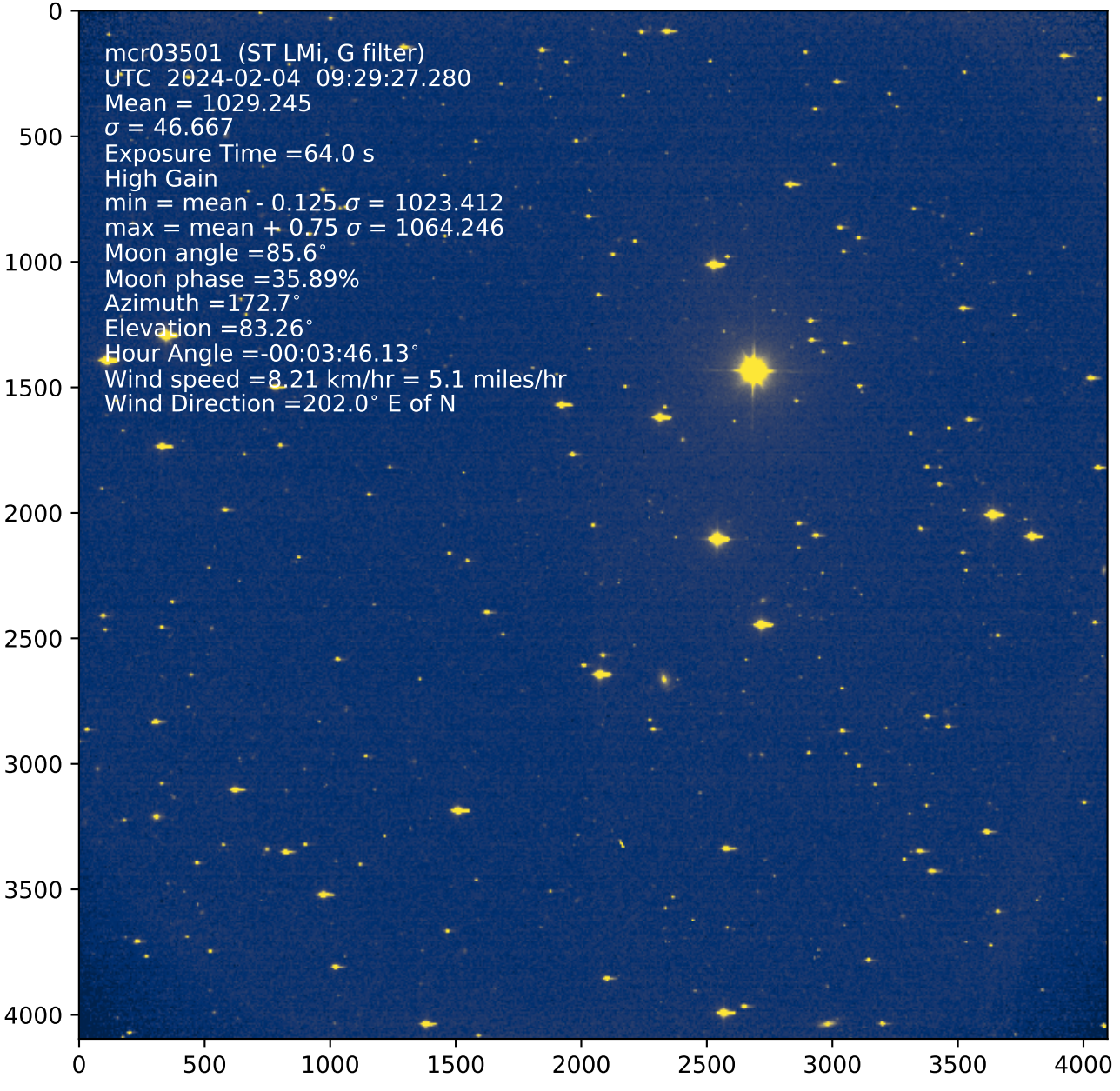

mew03503 (AG LMi, R filter)
UTC 2024-02-04 09:24:59.789
Mean = 1007.237
σ = 22.911
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1004.373
max = mean + 0.75 σ = 1024.42
Moon angle =93.32°
Moon phase =35.92%
Azimuth =301.31°
Elevation =86.93°
Hour Angle =00:12:33.54°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

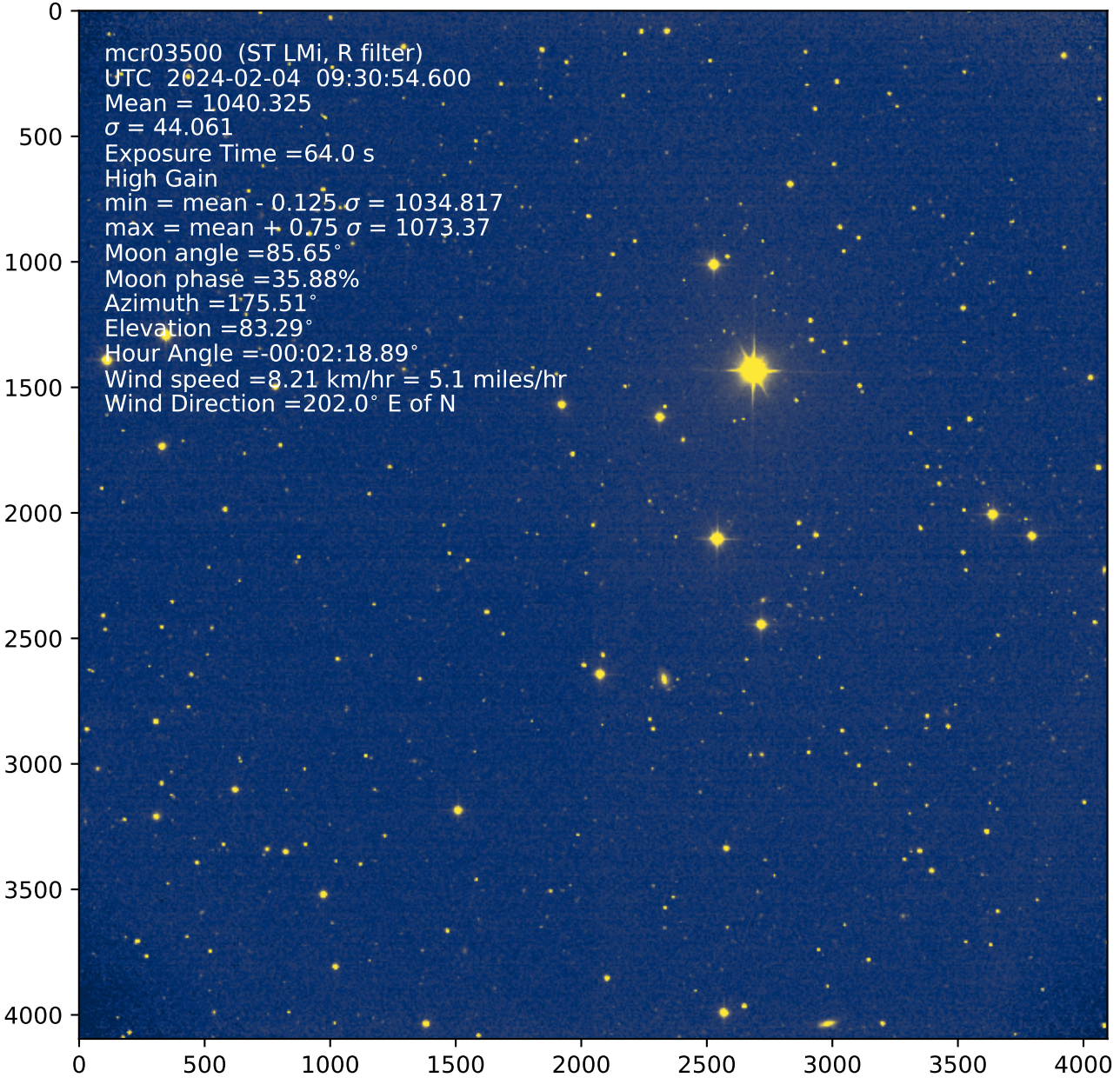

mew03501 (AG LMi, G filter)
UTC 2024-02-04 09:25:46.039
Mean = 1001.831
σ = 15.261
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 999.924
max = mean + 0.75 σ = 1013.277
Moon angle =93.35°
Moon phase =35.91%
Azimuth =299.89°
Elevation =86.79°
Hour Angle =00:13:19.67°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

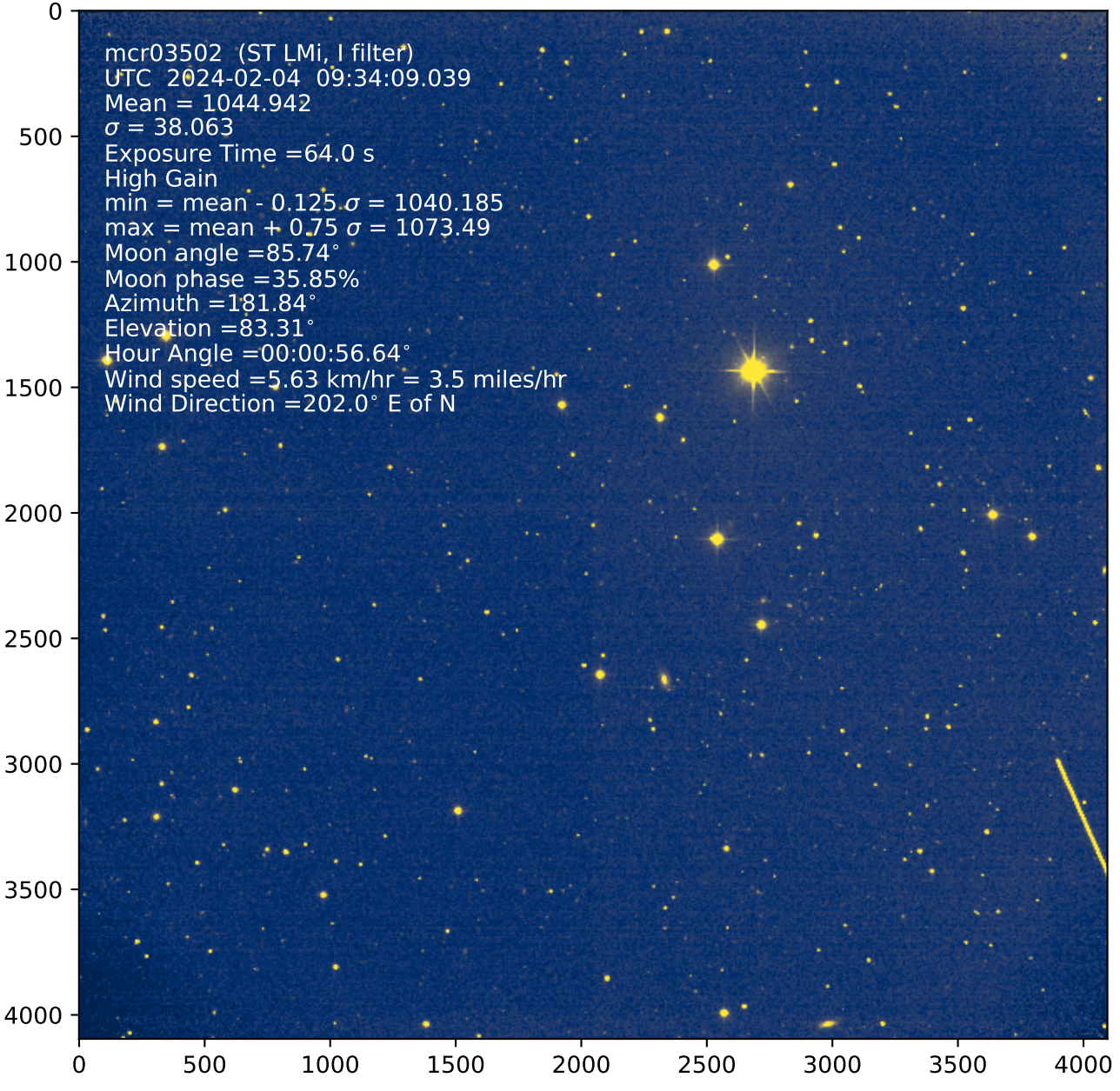

mew03500 (AG LMi, R filter)
UTC 2024-02-04 09:26:17.420
Mean = 1003.121
σ = 17.027
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1000.993
max = mean + 0.75 σ = 1015.891
Moon angle =93.37°
Moon phase =35.91%
Azimuth =299.01°
Elevation =86.69°
Hour Angle =00:13:50.75°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

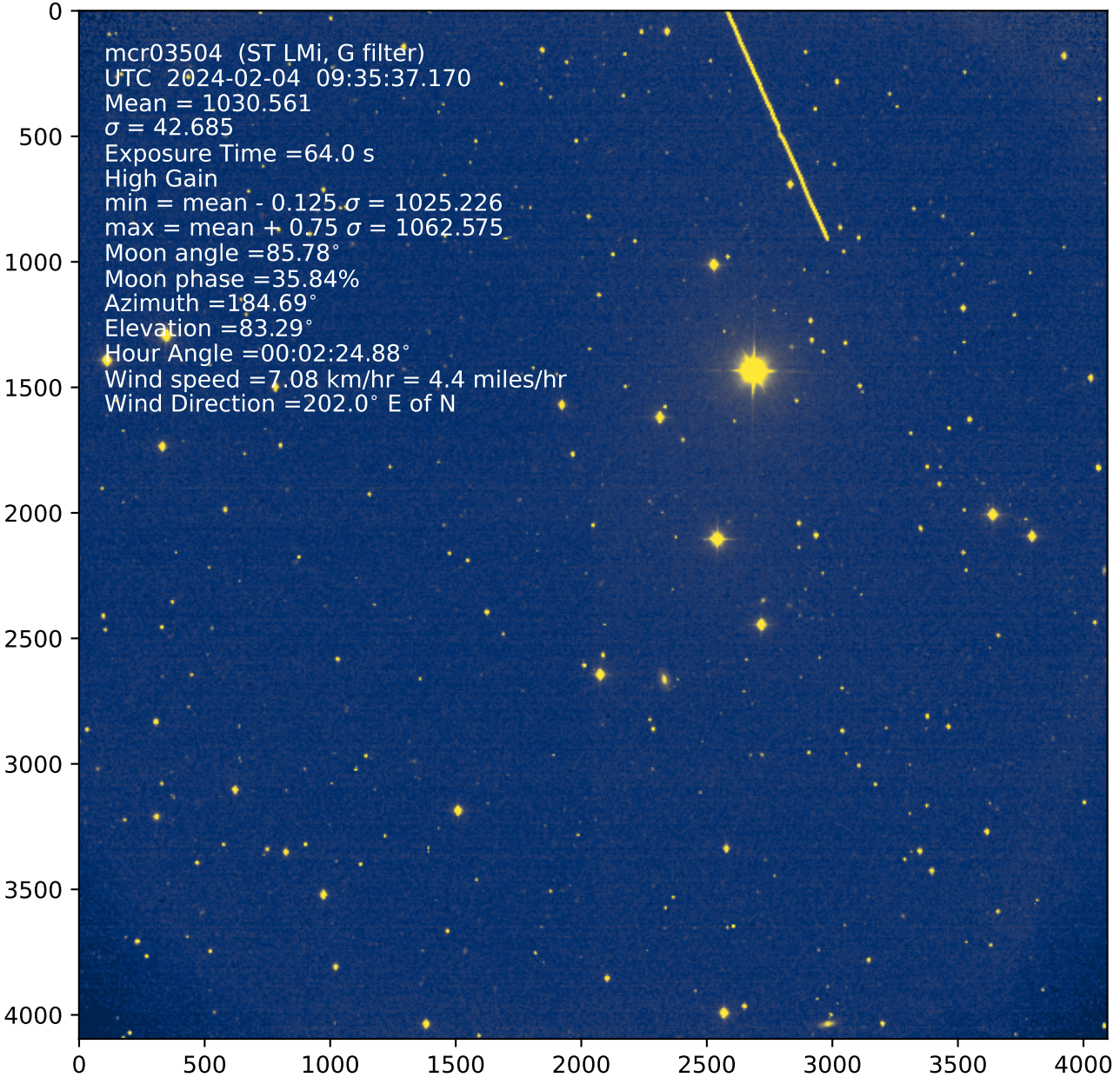

mew03502 (AG LMi, I filter)
UTC 2024-02-04 09:26:54.600
Mean = 1003.642
σ = 14.115
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1001.877
max = mean + 0.75 σ = 1014.228
Moon angle =93.4°
Moon phase =35.9%
Azimuth =298.02°
Elevation =86.57°
Hour Angle =00:14:27.85°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

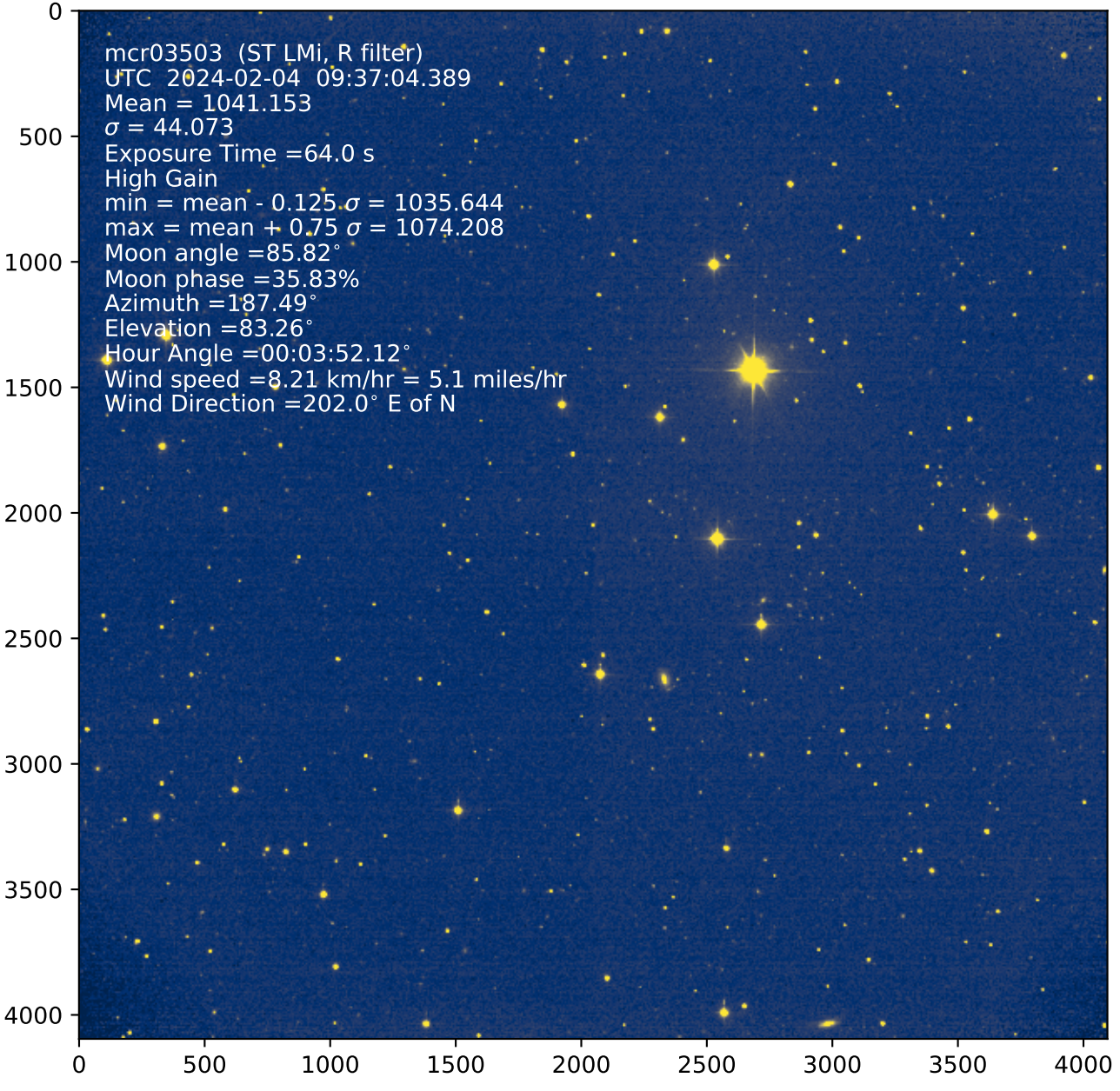

mcr03508 (ST LMi, I filter)
UTC 2024-02-04 09:27:59.240
Mean = 1044.130
σ = 37.759
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1039.41
max = mean + 0.75 σ = 1072.449
Moon angle =85.55°
Moon phase =35.9%
Azimuth =169.9°
Elevation =83.21°
Hour Angle =-00:05:14.37°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

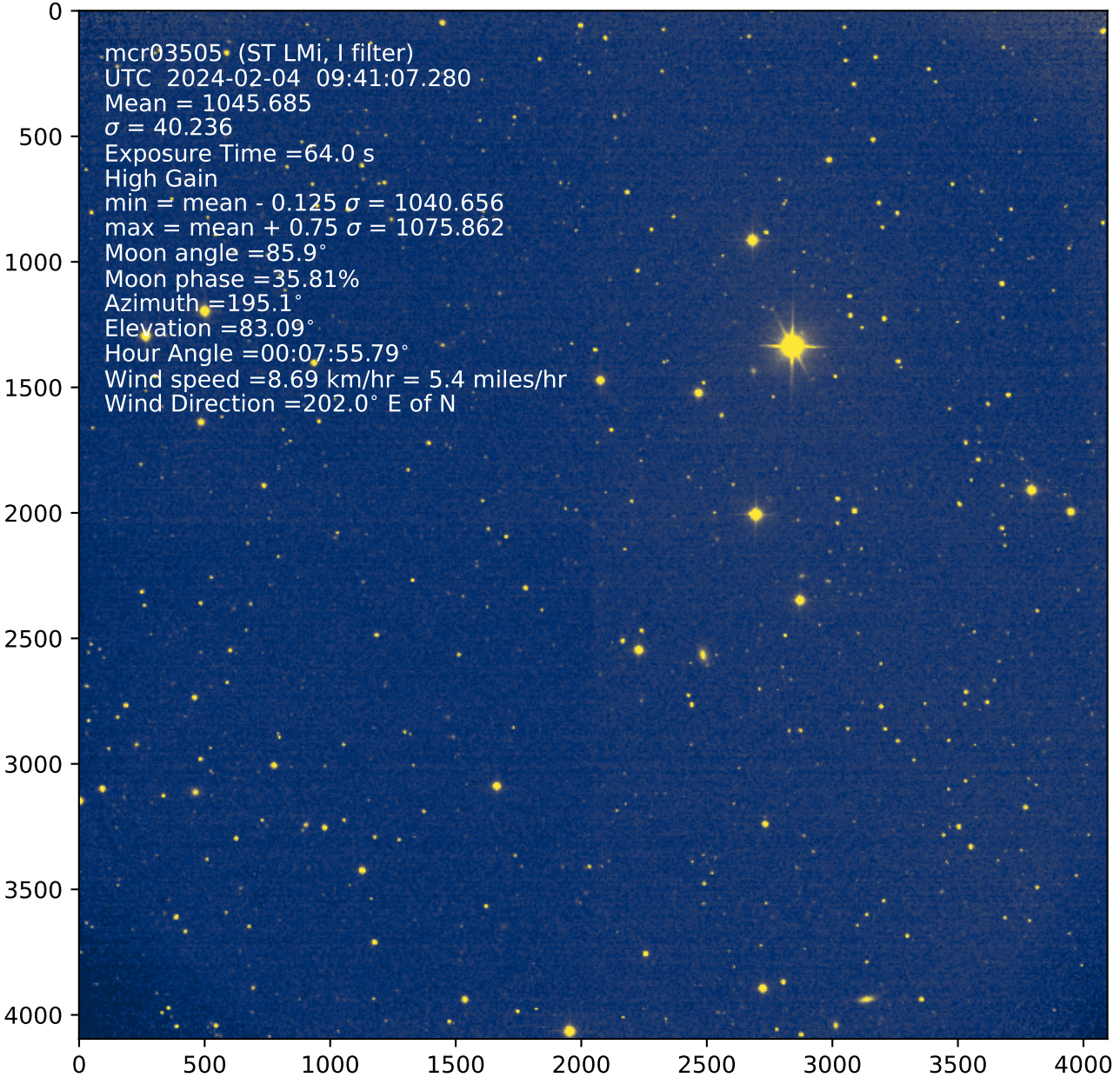

mcr03501 (ST LMi, G filter)
UTC 2024-02-04 09:29:27.280
Mean = 1029.245
σ = 46.667
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1023.412
max = mean + 0.75 σ = 1064.246
Moon angle =85.6°
Moon phase =35.89%
Azimuth =172.7°
Elevation =83.26°
Hour Angle =-00:03:46.13°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

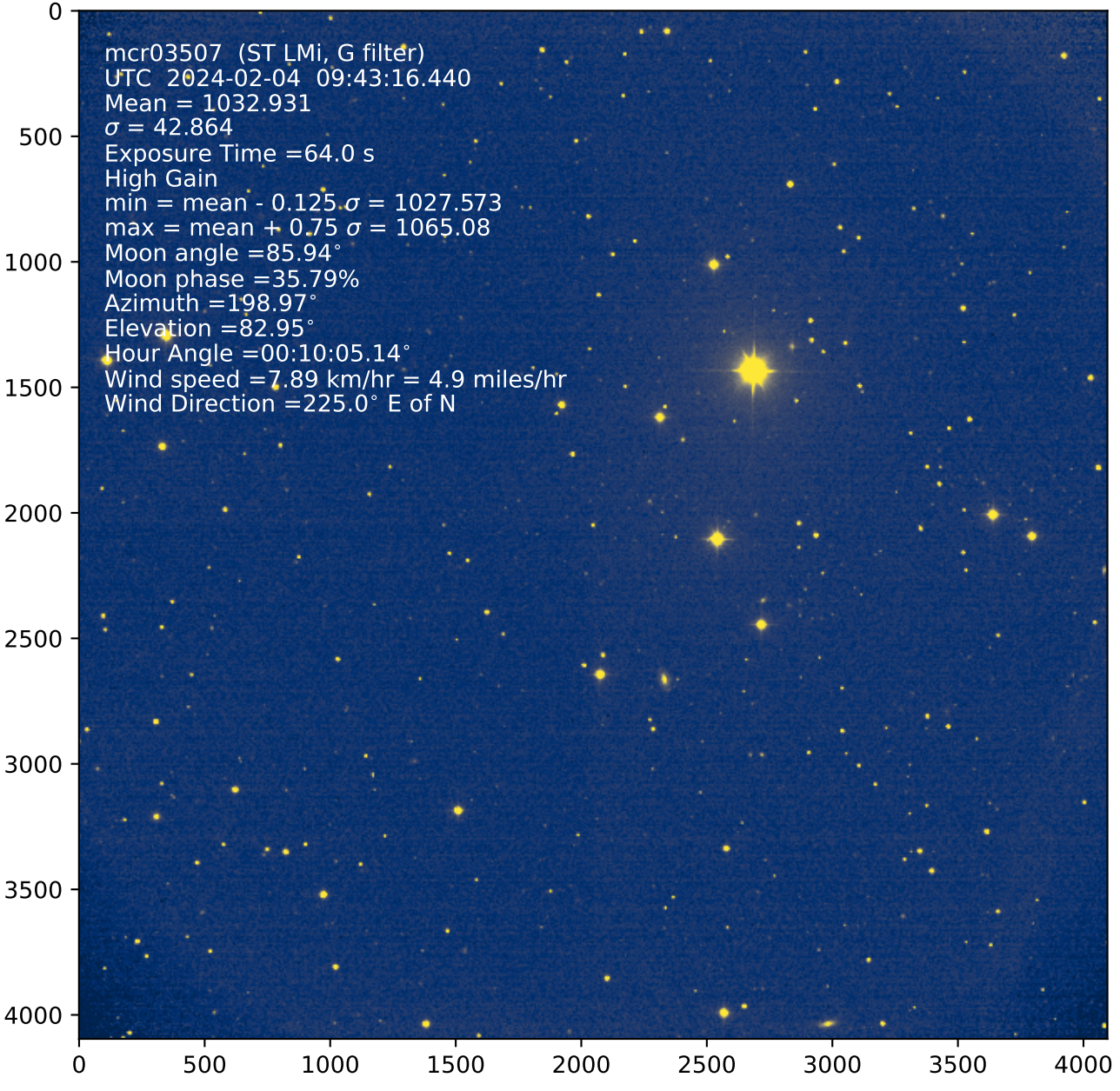

mcr03500 (ST LMi, R filter)
UTC 2024-02-04 09:30:54.600
Mean = 1040.325
σ = 44.061
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1034.817
max = mean + 0.75 σ = 1073.37
Moon angle =85.65°
Moon phase =35.88%
Azimuth =175.51°
Elevation =83.29°
Hour Angle =-00:02:18.89°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

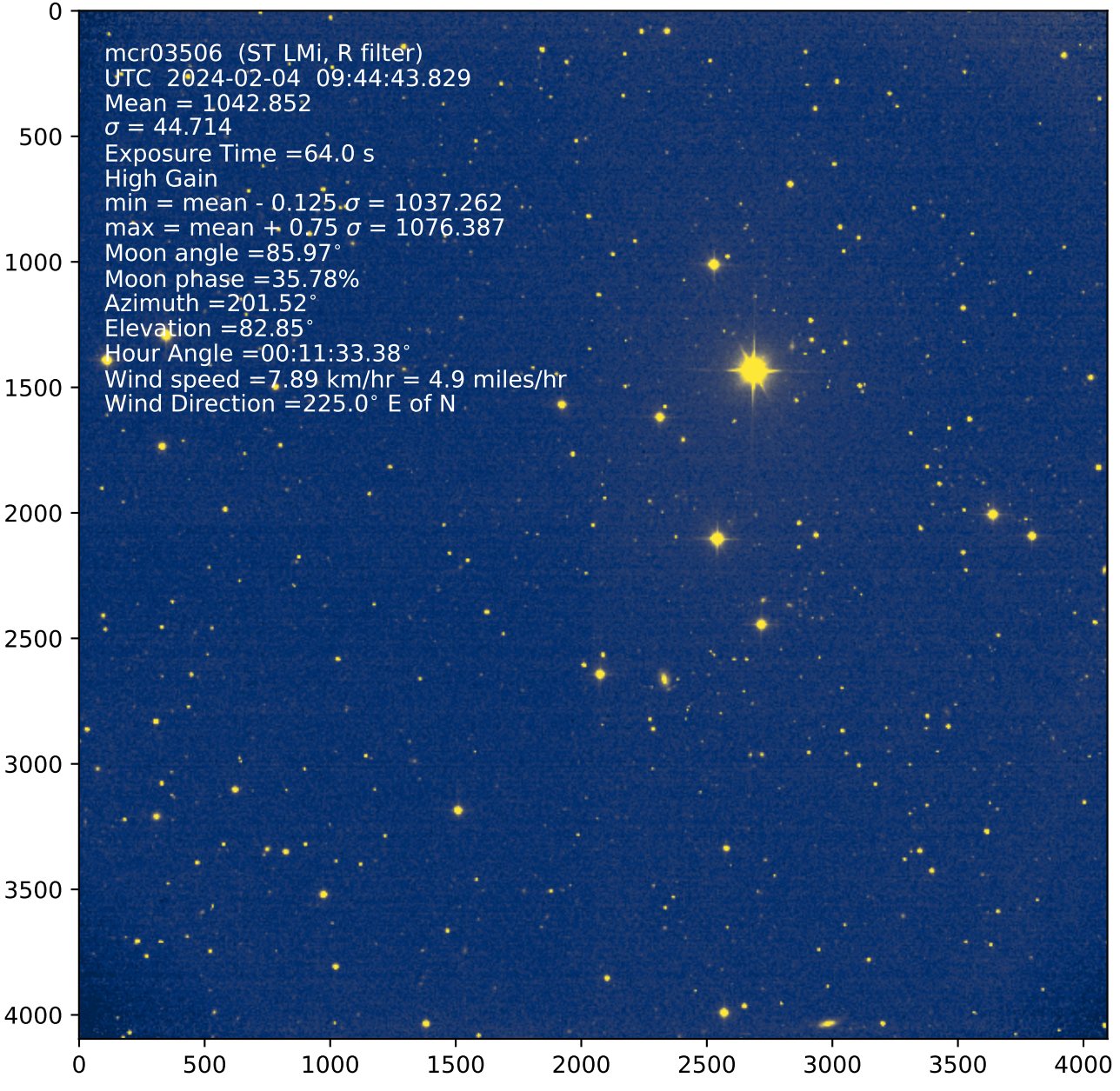

mcr03502 (ST LMi, I filter)
UTC 2024-02-04 09:34:09.039
Mean = 1044.942
σ = 38.063
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1040.185
max = mean + 0.75 σ = 1073.49
Moon angle =85.74°
Moon phase =35.85%
Azimuth =181.84°
Elevation =83.31°
Hour Angle =00:00:56.64°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

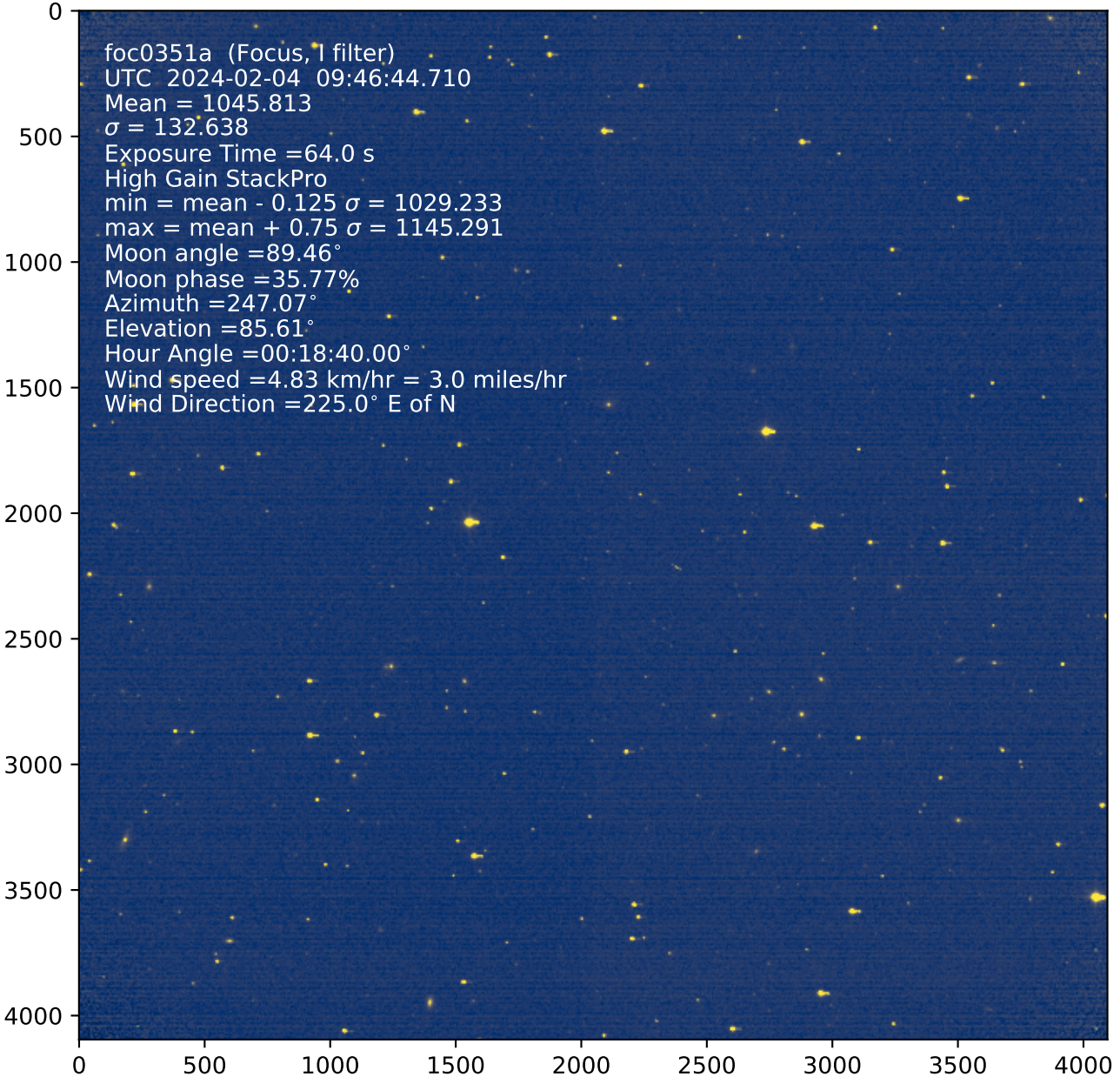

mcr03504 (ST LMi, G filter)
UTC 2024-02-04 09:35:37.170
Mean = 1030.561
σ = 42.685
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1025.226
max = mean + 0.75 σ = 1062.575
Moon angle =85.78°
Moon phase =35.84%
Azimuth =184.69°
Elevation =83.29°
Hour Angle =00:02:24.88°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

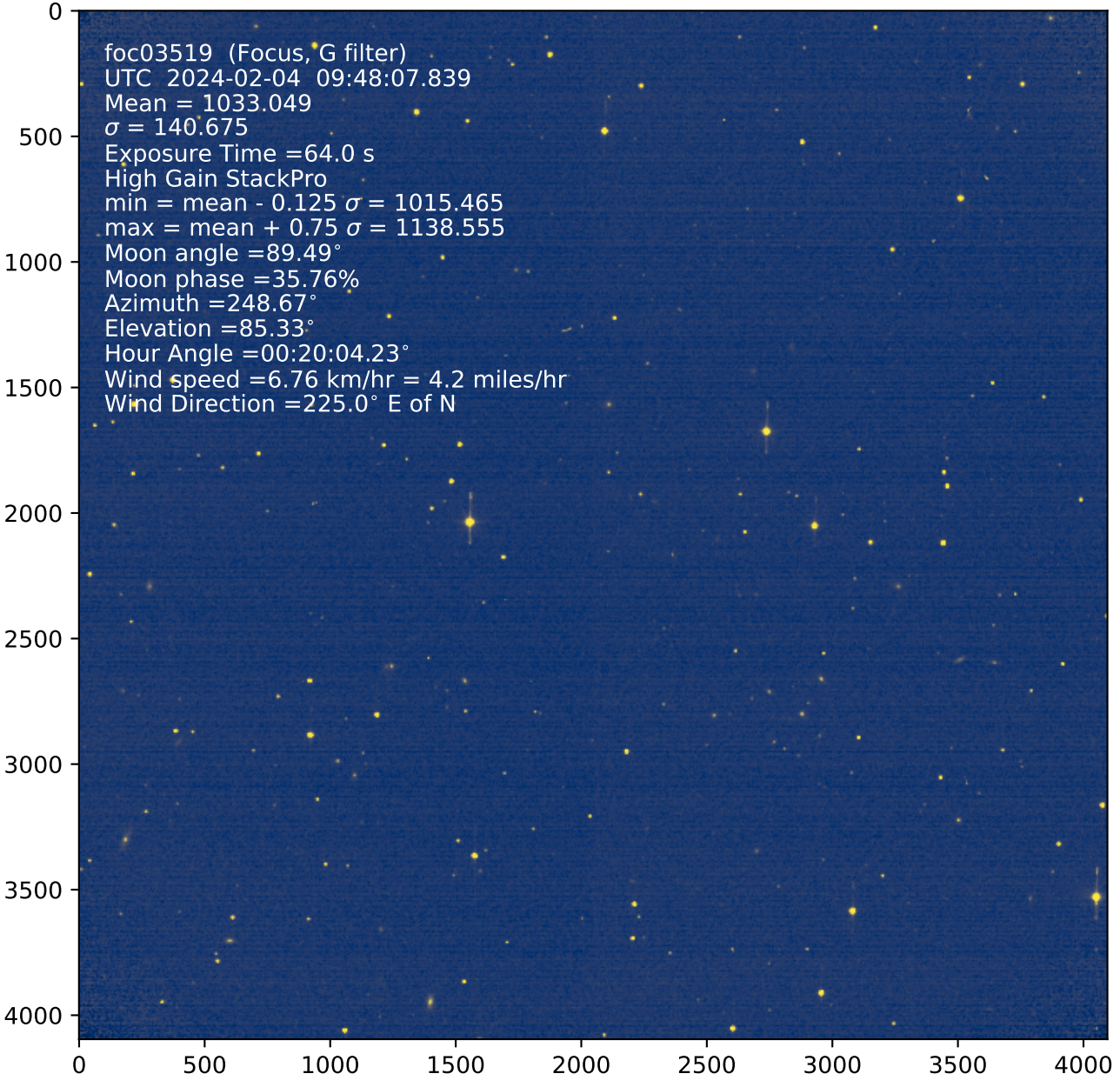

mcr03503 (ST LMi, R filter)
UTC 2024-02-04 09:37:04.389
Mean = 1041.153
σ = 44.073
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1035.644
max = mean + 0.75 σ = 1074.208
Moon angle =85.82°
Moon phase =35.83%
Azimuth =187.49°
Elevation =83.26°
Hour Angle =00:03:52.12°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

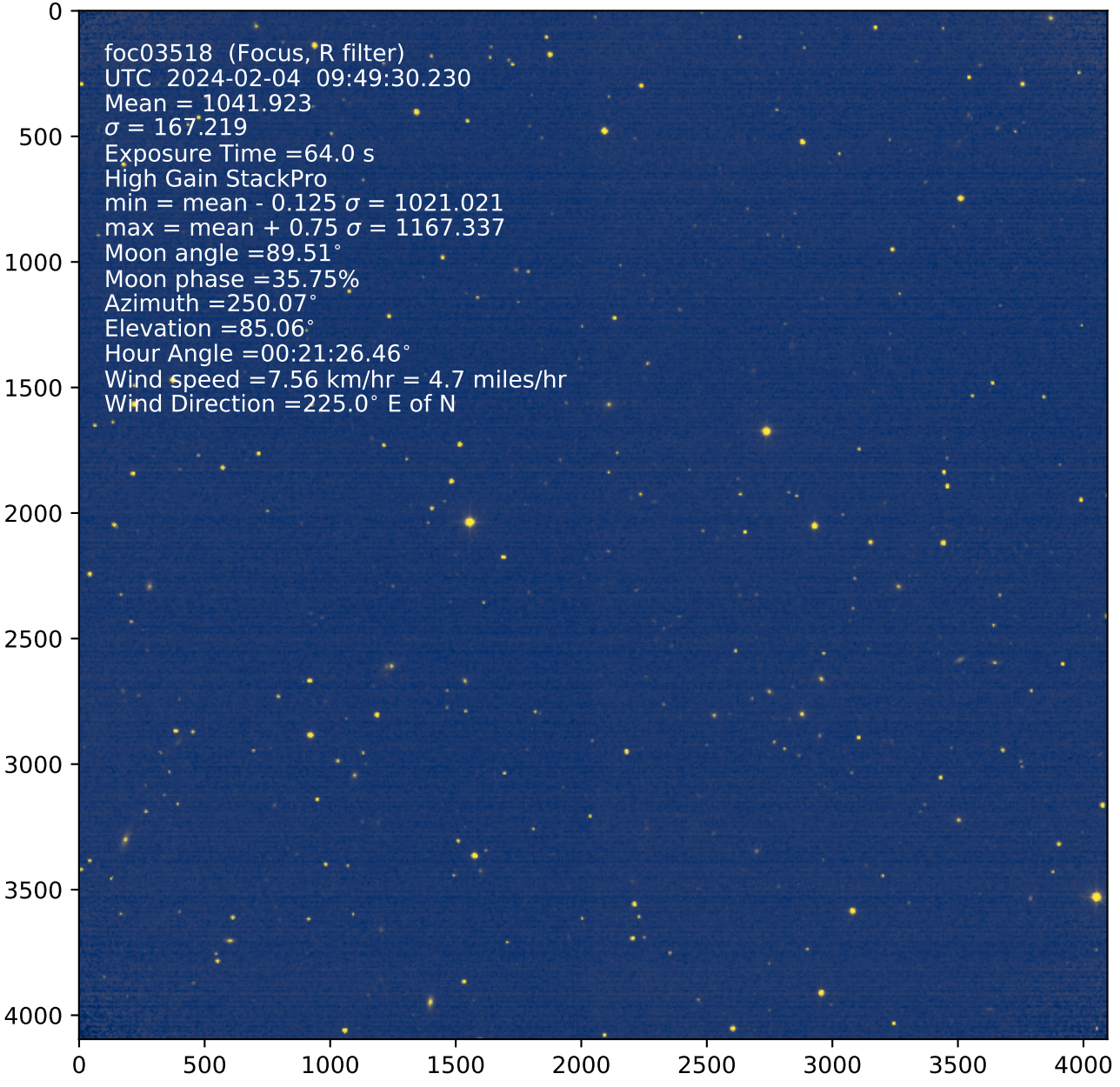

mcr03505 (ST LMi, I filter)
UTC 2024-02-04 09:41:07.280
Mean = 1045.685
σ = 40.236
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1040.656
max = mean + 0.75 σ = 1075.862
Moon angle =85.9°
Moon phase =35.81%
Azimuth =195.1°
Elevation =83.09°
Hour Angle =00:07:55.79°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

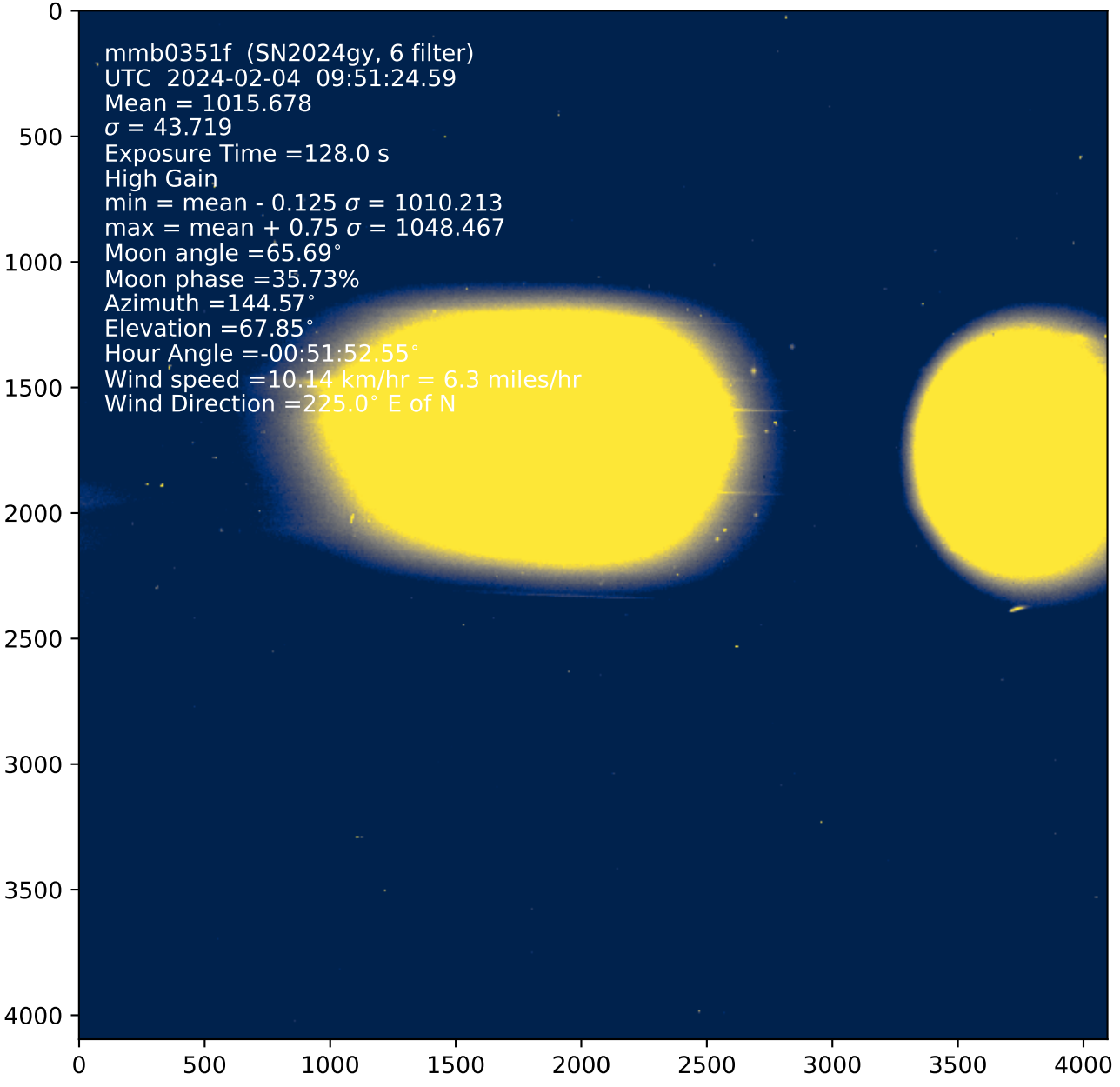

mcr03507 (ST LMi, G filter)
UTC 2024-02-04 09:43:16.440
Mean = 1032.931
σ = 42.864
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.573
max = mean + 0.75 σ = 1065.08
Moon angle =85.94°
Moon phase =35.79%
Azimuth =198.97°
Elevation =82.95°
Hour Angle =00:10:05.14°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

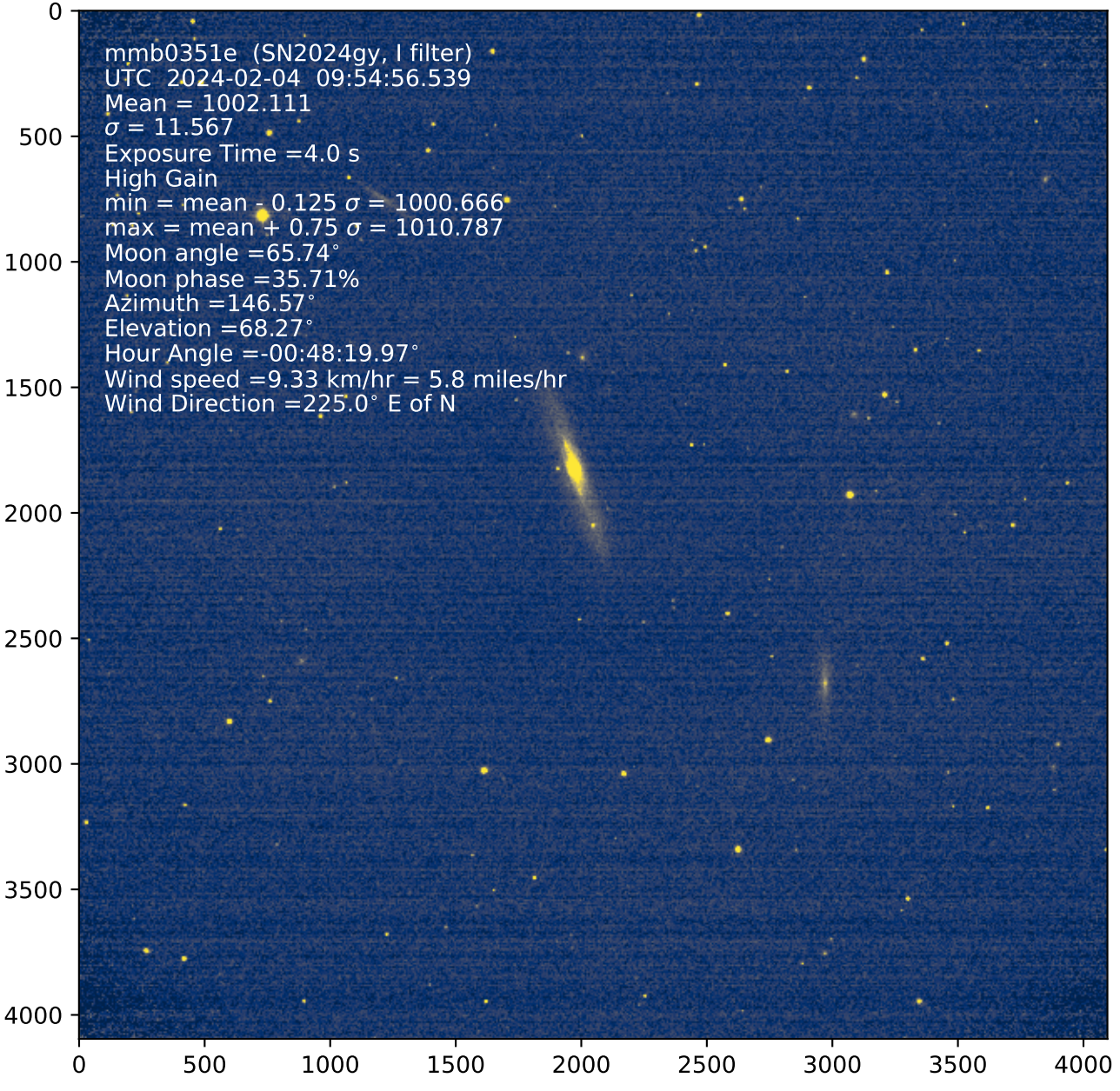

mcr03506 (ST LMi, R filter)
UTC 2024-02-04 09:44:43.829
Mean = 1042.852
σ = 44.714
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1037.262
max = mean + 0.75 σ = 1076.387
Moon angle =85.97°
Moon phase =35.78%
Azimuth =201.52°
Elevation =82.85°
Hour Angle =00:11:33.38°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

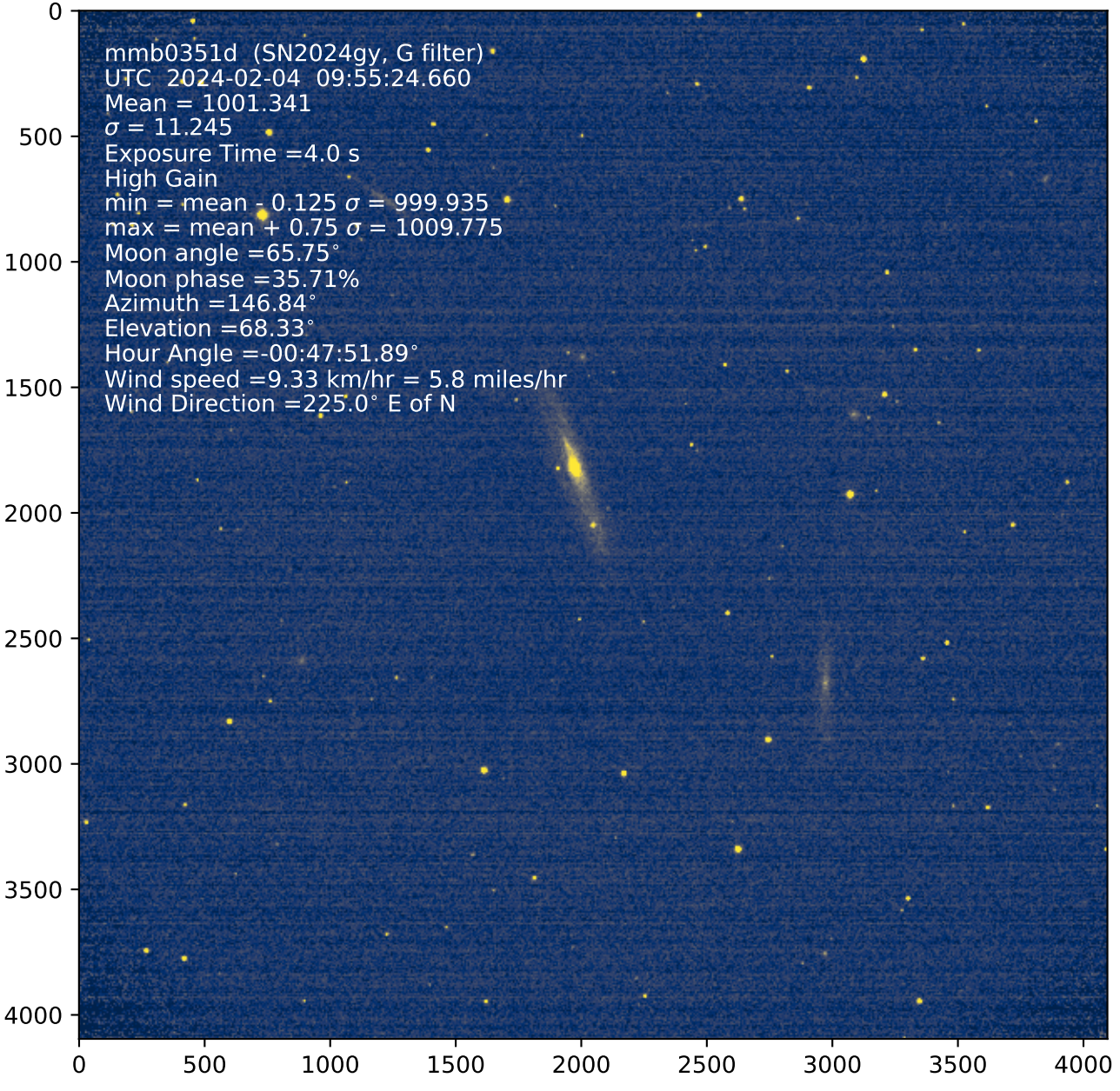

foc0351a (Focus, I filter)
UTC 2024-02-04 09:46:44.710
Mean = 1045.813
σ = 132.638
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1029.233
max = mean + 0.75 σ = 1145.291
Moon angle =89.46°
Moon phase =35.77%
Azimuth =247.07°
Elevation =85.61°
Hour Angle =00:18:40.00°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

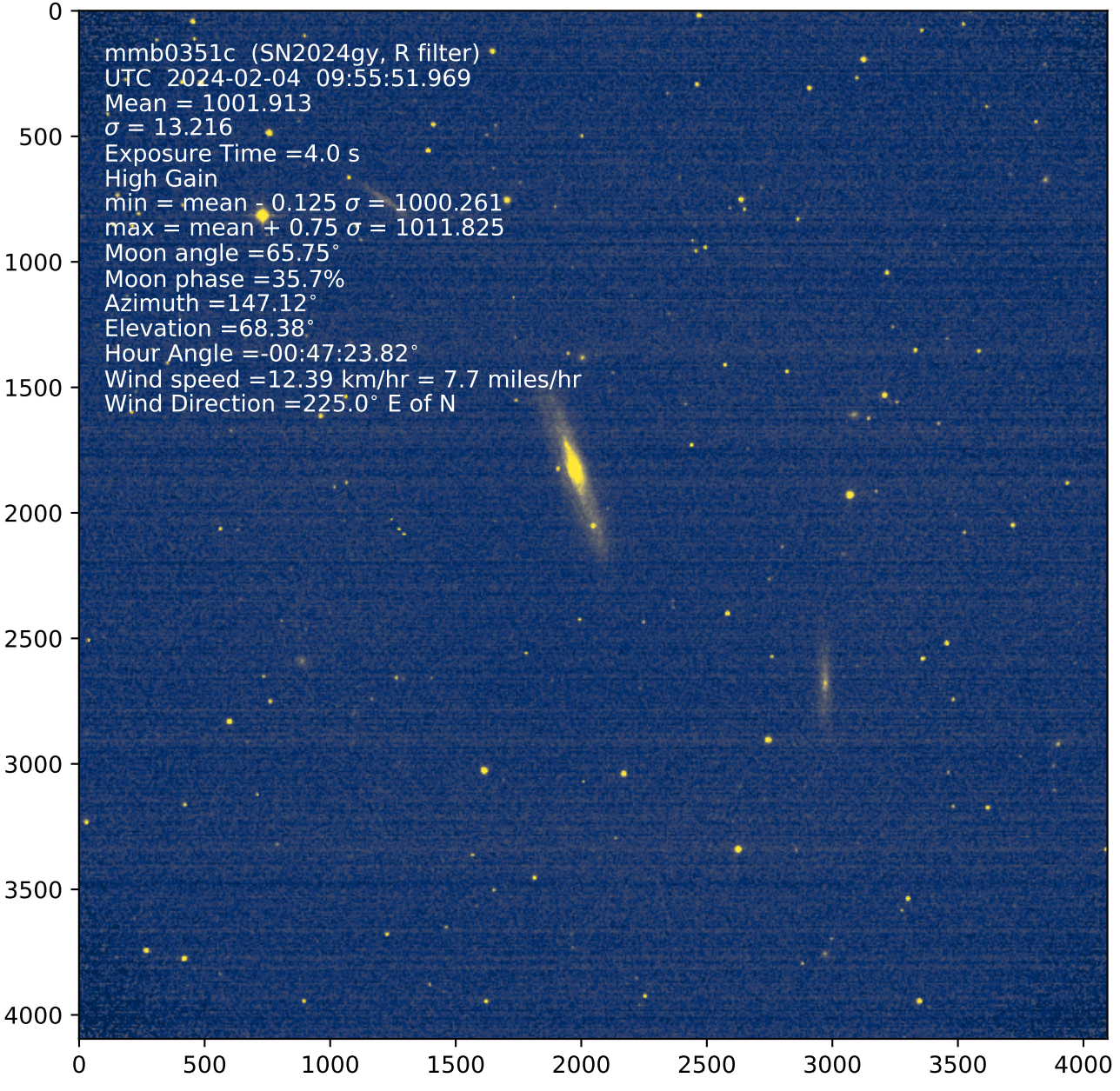

foc03519 (Focus, G filter)
UTC 2024-02-04 09:48:07.839
Mean = 1033.049
σ = 140.675
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1015.465
max = mean + 0.75 σ = 1138.555
Moon angle =89.49°
Moon phase =35.76%
Azimuth =248.67°
Elevation =85.33°
Hour Angle =00:20:04.23°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

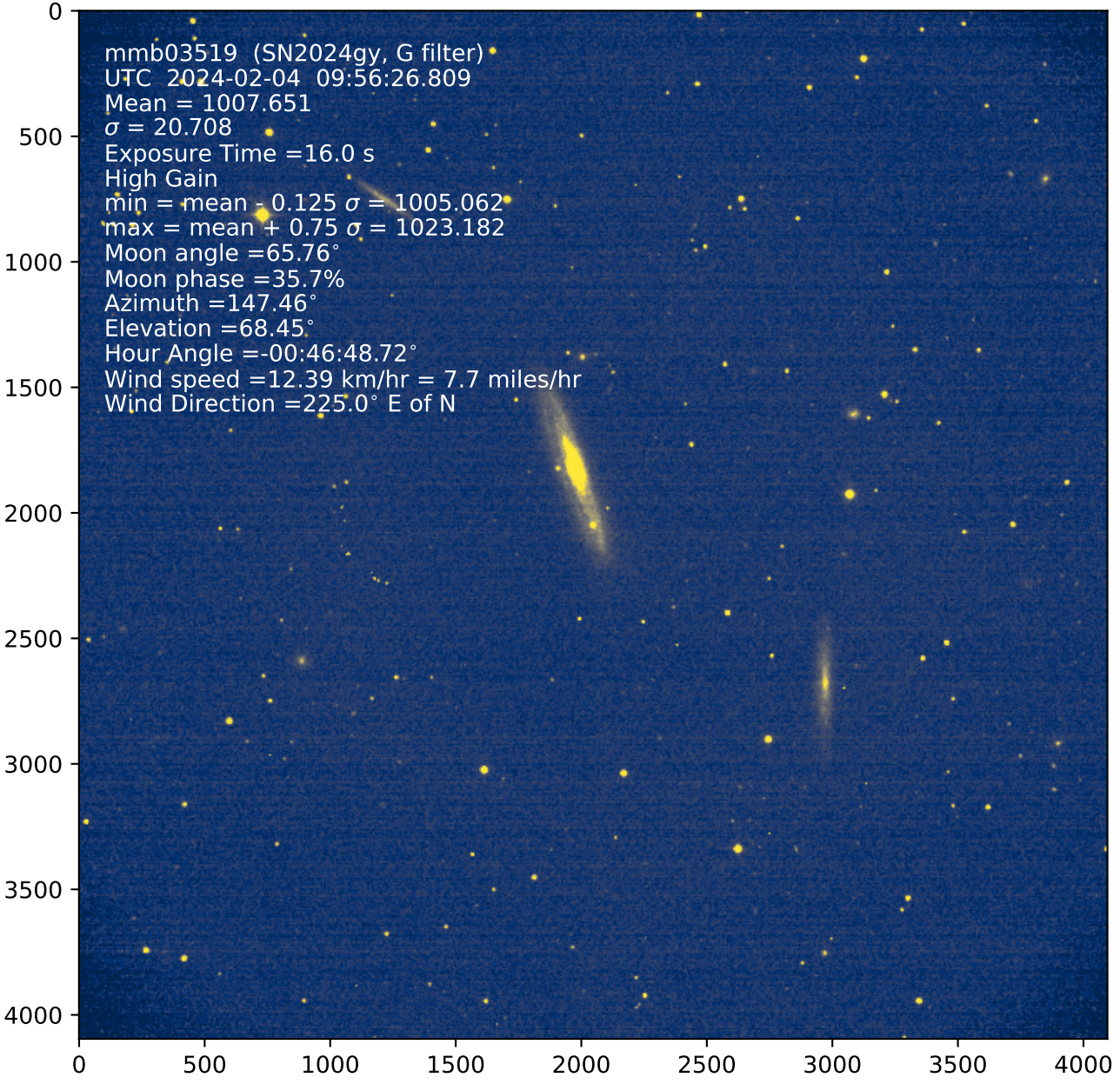

foc03518 (Focus, R filter)
UTC 2024-02-04 09:49:30.230
Mean = 1041.923
σ = 167.219
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1021.021
max = mean + 0.75 σ = 1167.337
Moon angle =89.51°
Moon phase =35.75%
Azimuth =250.07°
Elevation =85.06°
Hour Angle =00:21:26.46°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

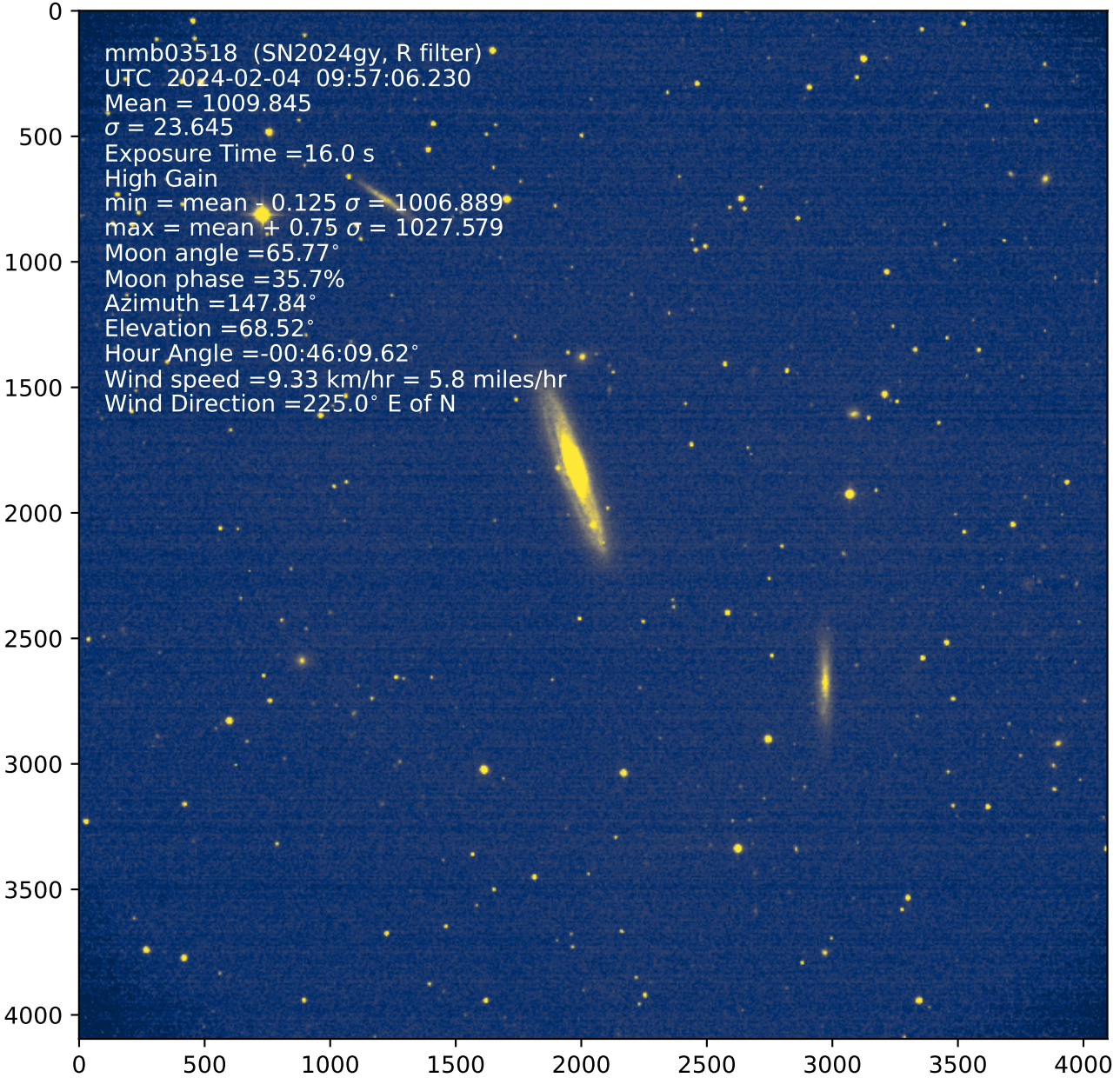

mmb0351f (SN2024gy, 6 filter)
UTC 2024-02-04 09:51:24.59
Mean = 1015.678
σ = 43.719
Exposure Time =128.0 s
High Gain
min = mean - 0.125 σ = 1010.213
max = mean + 0.75 σ = 1048.467
Moon angle =65.69°
Moon phase =35.73%
Azimuth =144.57°
Elevation =67.85°
Hour Angle =-00:51:52.55°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

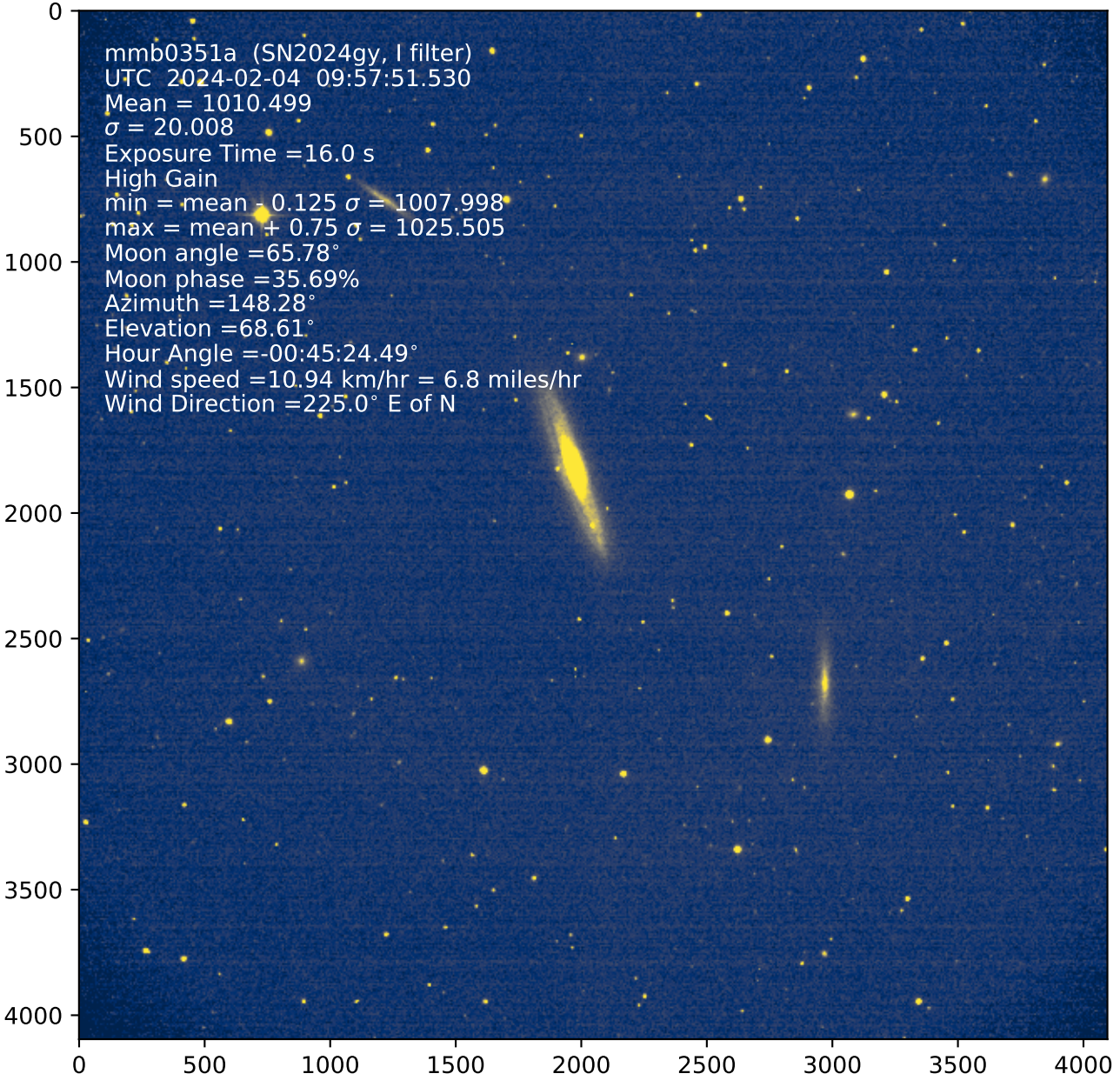

mmb0351e (SN2024gy, I filter)
UTC 2024-02-04 09:54:56.539
Mean = 1002.111
σ = 11.567
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1000.666
max = mean + 0.75 σ = 1010.787
Moon angle =65.74°
Moon phase =35.71%
Azimuth =146.57°
Elevation =68.27°
Hour Angle =-00:48:19.97°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

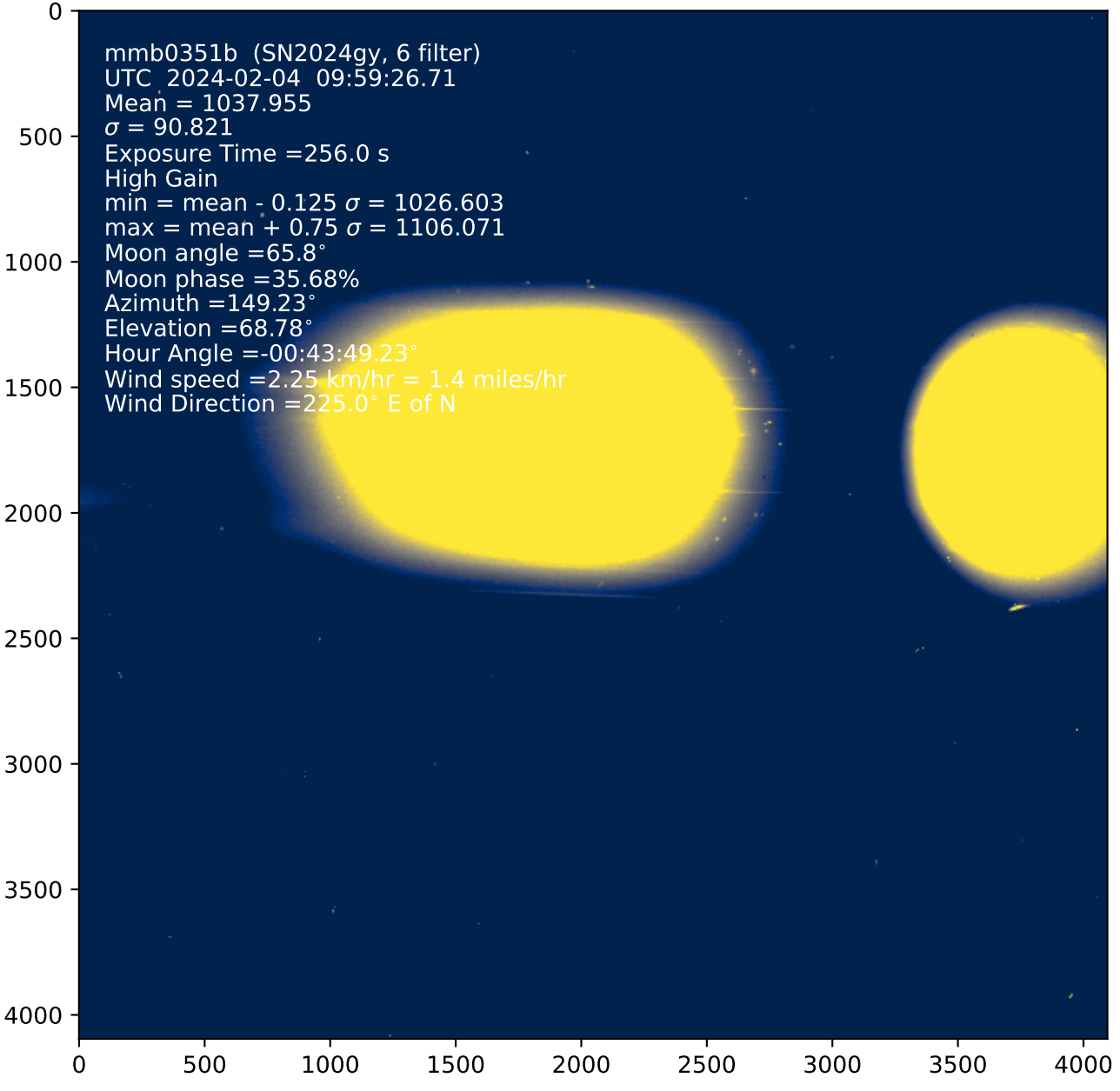

mmb0351d (SN2024gy, G filter)
UTC 2024-02-04 09:55:24.660
Mean = 1001.341
σ = 11.245
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 999.935
max = mean + 0.75 σ = 1009.775
Moon angle =65.75°
Moon phase =35.71%
Azimuth =146.84°
Elevation =68.33°
Hour Angle =-00:47:51.89°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

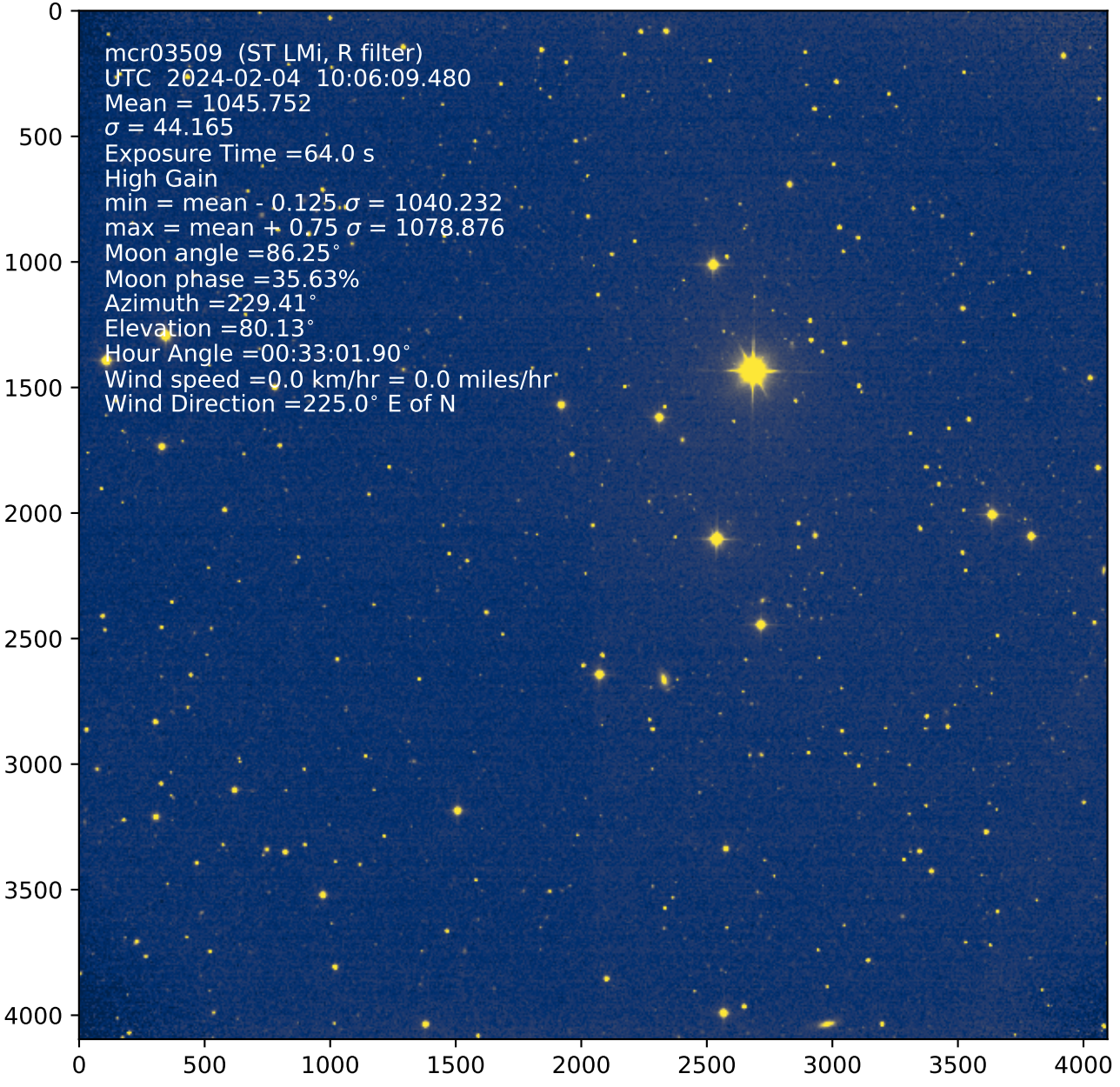

mmb0351c (SN2024gy, R filter)
UTC 2024-02-04 09:55:51.969
Mean = 1001.913
σ = 13.216
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1000.261
max = mean + 0.75 σ = 1011.825
Moon angle =65.75°
Moon phase =35.7%
Azimuth =147.12°
Elevation =68.38°
Hour Angle =-00:47:23.82°
Wind speed =12.39 km/hr = 7.7 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

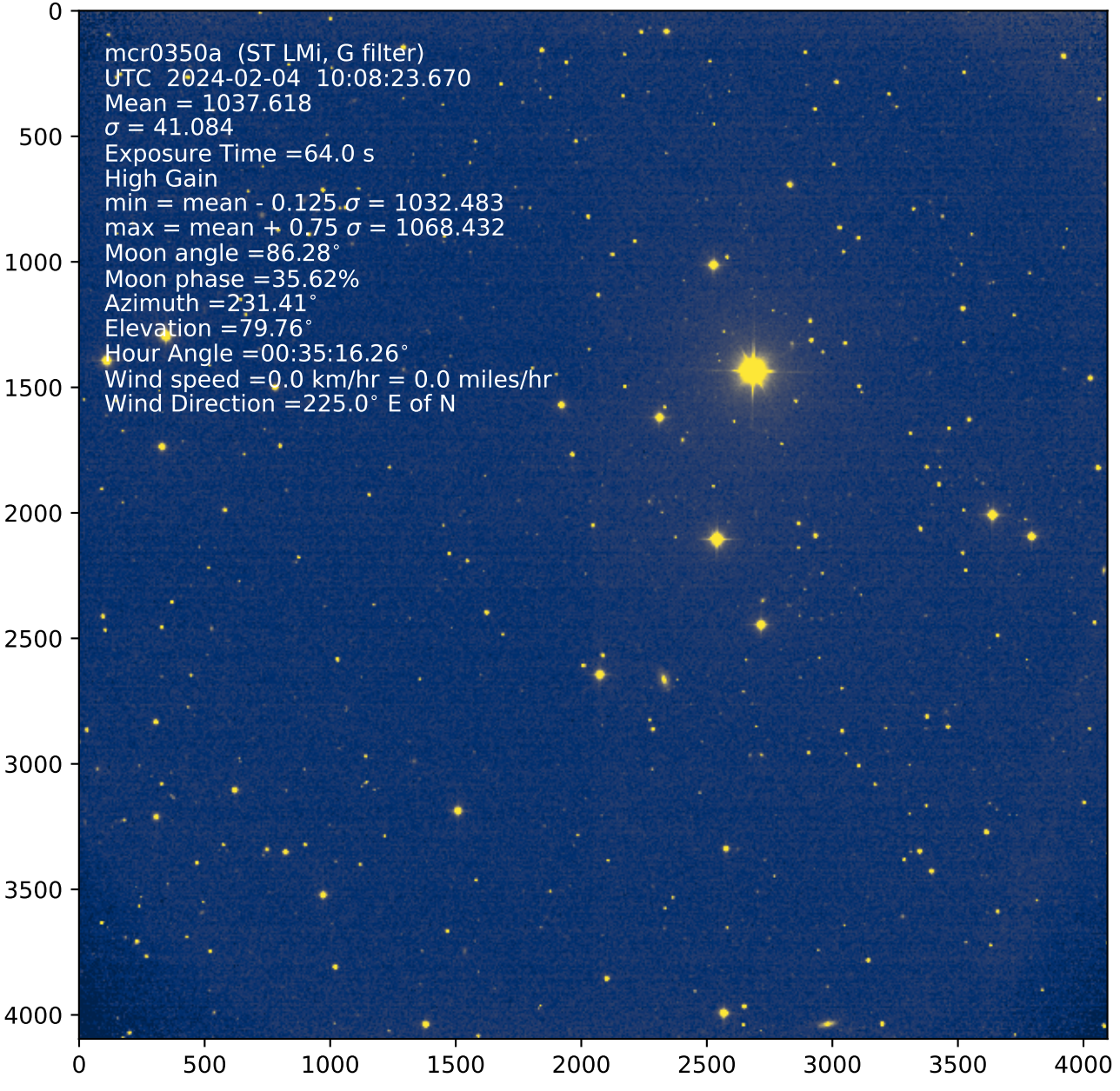

mmb03519 (SN2024gy, G filter)
UTC 2024-02-04 09:56:26.809
Mean = 1007.651
σ = 20.708
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1005.062
max = mean + 0.75 σ = 1023.182
Moon angle =65.76˚
Moon phase =35.7%
Azimuth =147.46˚
Elevation =68.45˚
Hour Angle =-00:46:48.72˚
Wind speed =12.39 km/hr = 7.7 miles/hr
Wind Direction =225.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

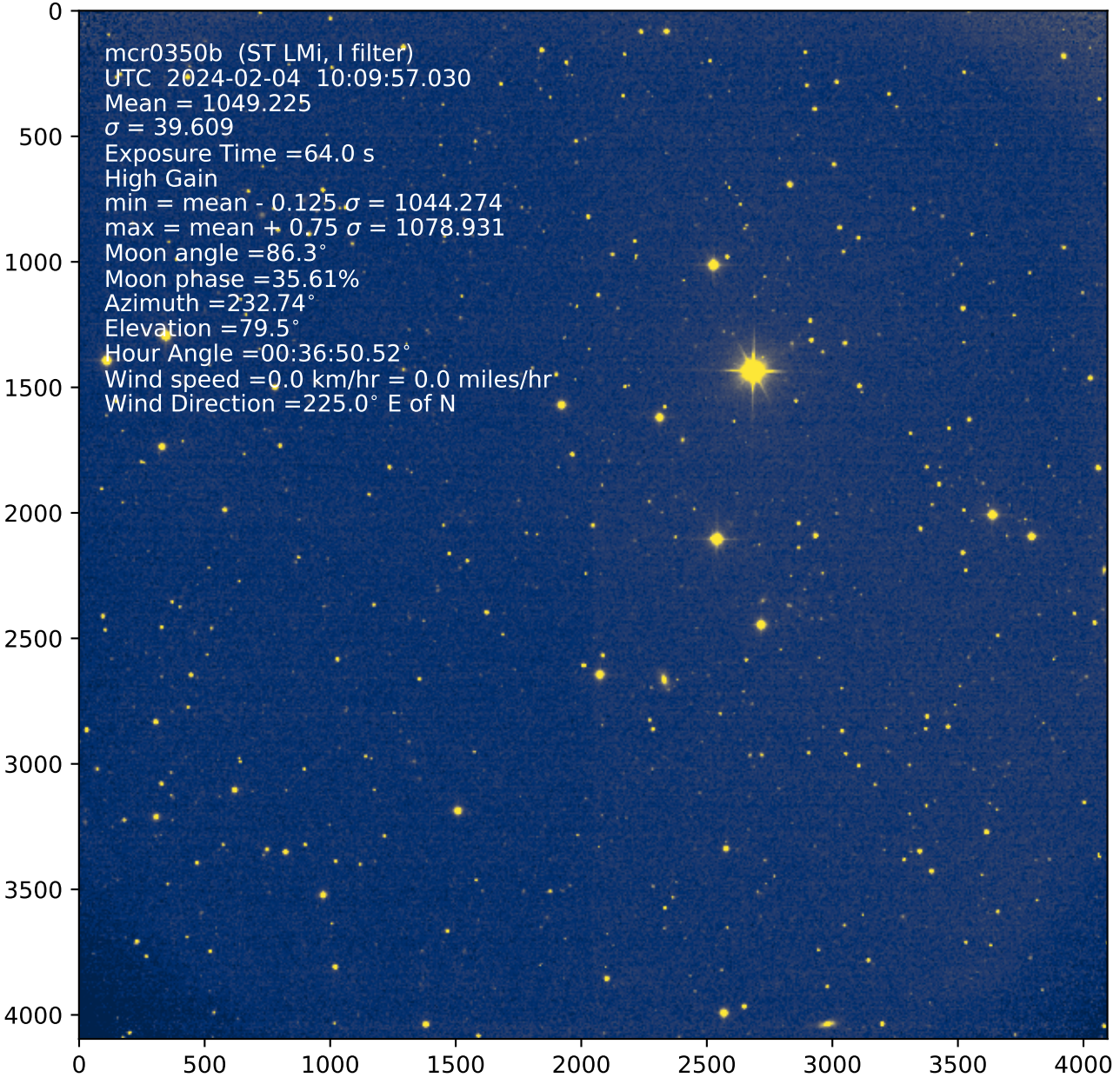

mmb03518 (SN2024gy, R filter)
UTC 2024-02-04 09:57:06.230
Mean = 1009.845
σ = 23.645
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1006.889
max = mean + 0.75 σ = 1027.579
Moon angle =65.77°
Moon phase =35.7%
Azimuth =147.84°
Elevation =68.52°
Hour Angle =-00:46:09.62°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

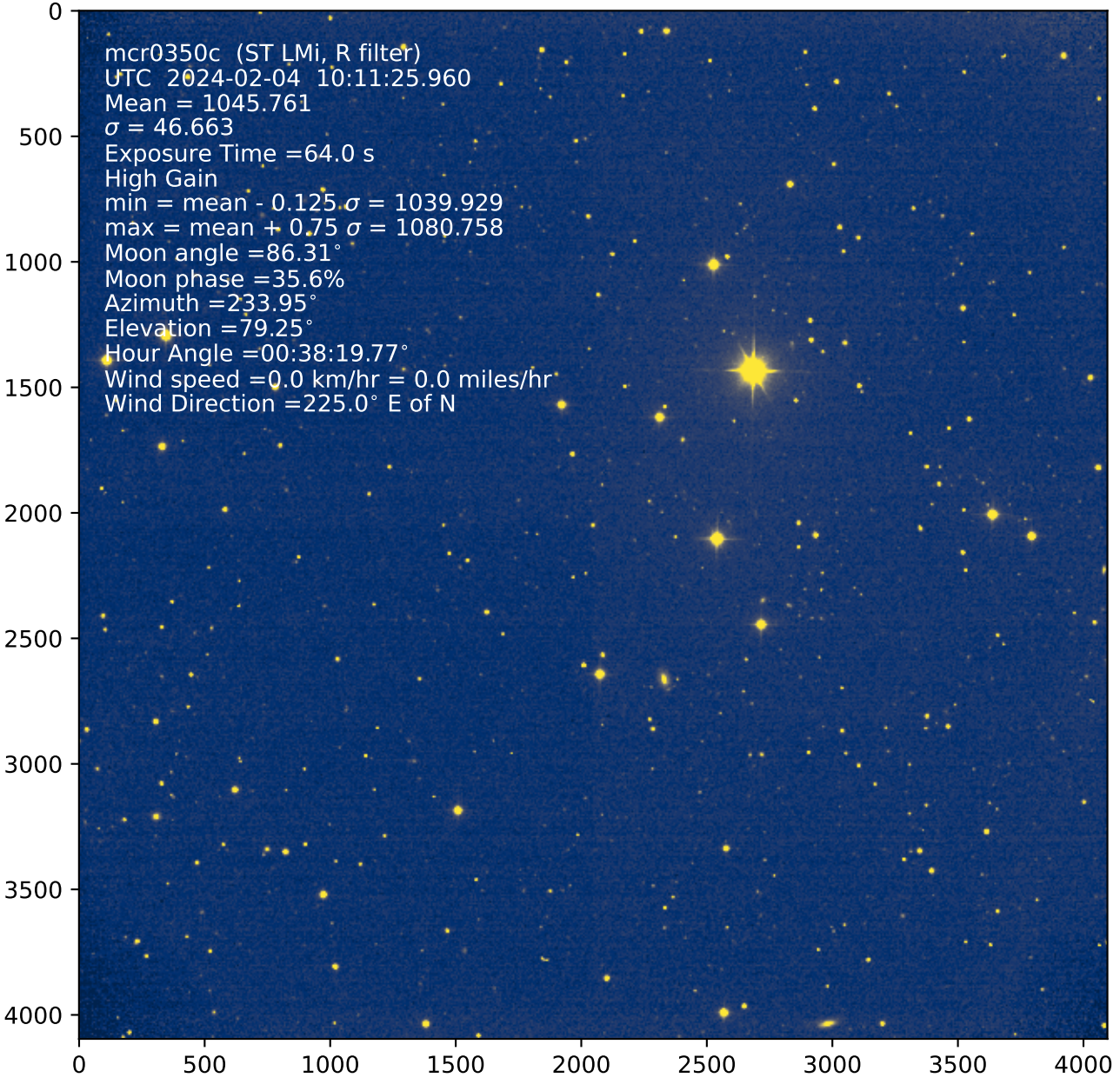

mmb0351a (SN2024gy, I filter)
UTC 2024-02-04 09:57:51.530
Mean = 1010.499
σ = 20.008
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1007.998
max = mean + 0.75 σ = 1025.505
Moon angle =65.78°
Moon phase =35.69%
Azimuth =148.28°
Elevation =68.61°
Hour Angle =-00:45:24.49°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

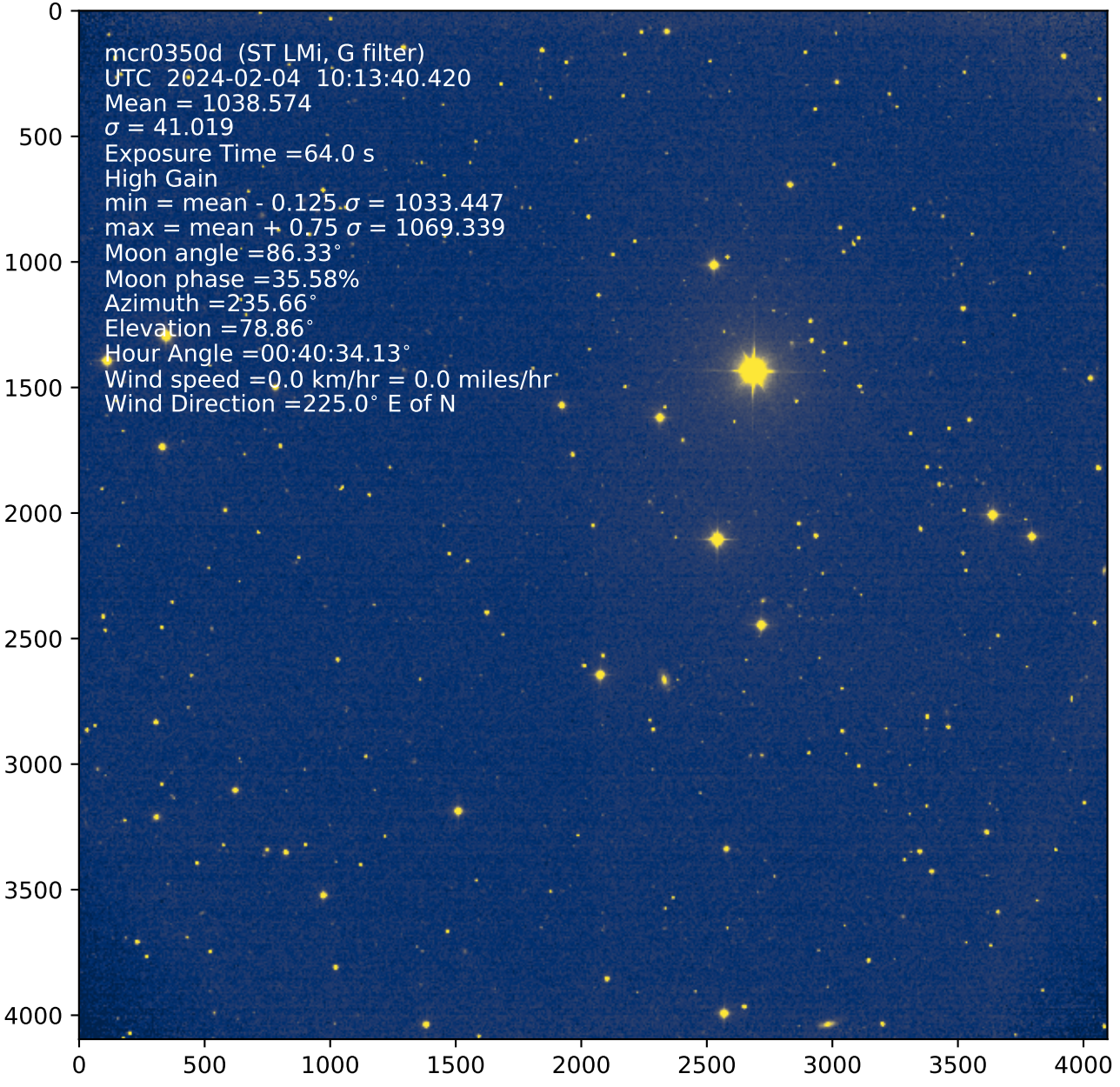

mmb0351b (SN2024gy, 6 filter)
UTC 2024-02-04 09:59:26.71
Mean = 1037.955
σ = 90.821
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1026.603
max = mean + 0.75 σ = 1106.071
Moon angle =65.8°
Moon phase =35.68%
Azimuth =149.23°
Elevation =68.78°
Hour Angle =-00:43:49.23°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

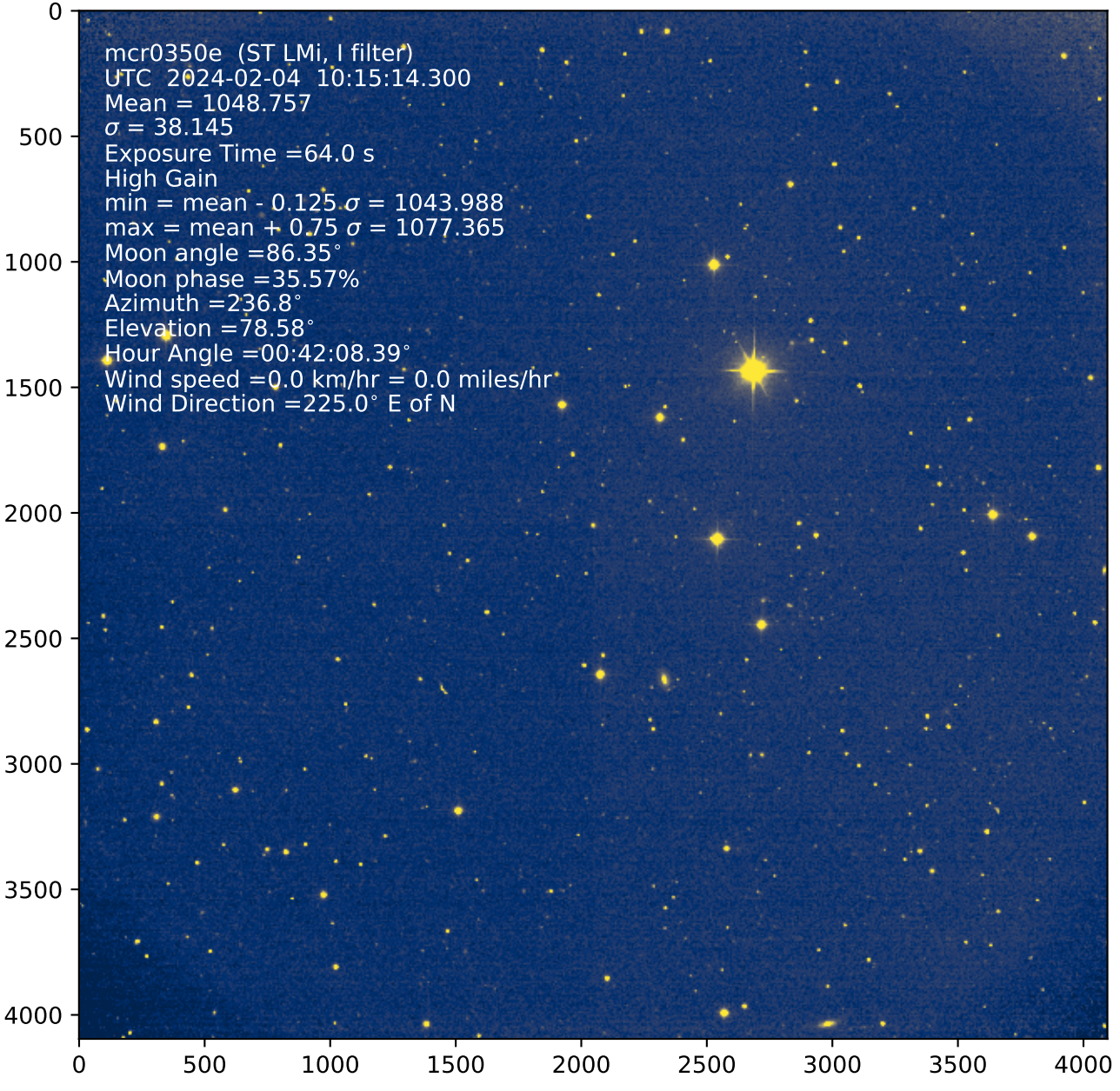

mcr03509 (ST LMi, R filter)
UTC 2024-02-04 10:06:09.480
Mean = 1045.752
σ = 44.165
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1040.232
max = mean + 0.75 σ = 1078.876
Moon angle =86.25°
Moon phase =35.63%
Azimuth =229.41°
Elevation =80.13°
Hour Angle =00:33:01.90°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

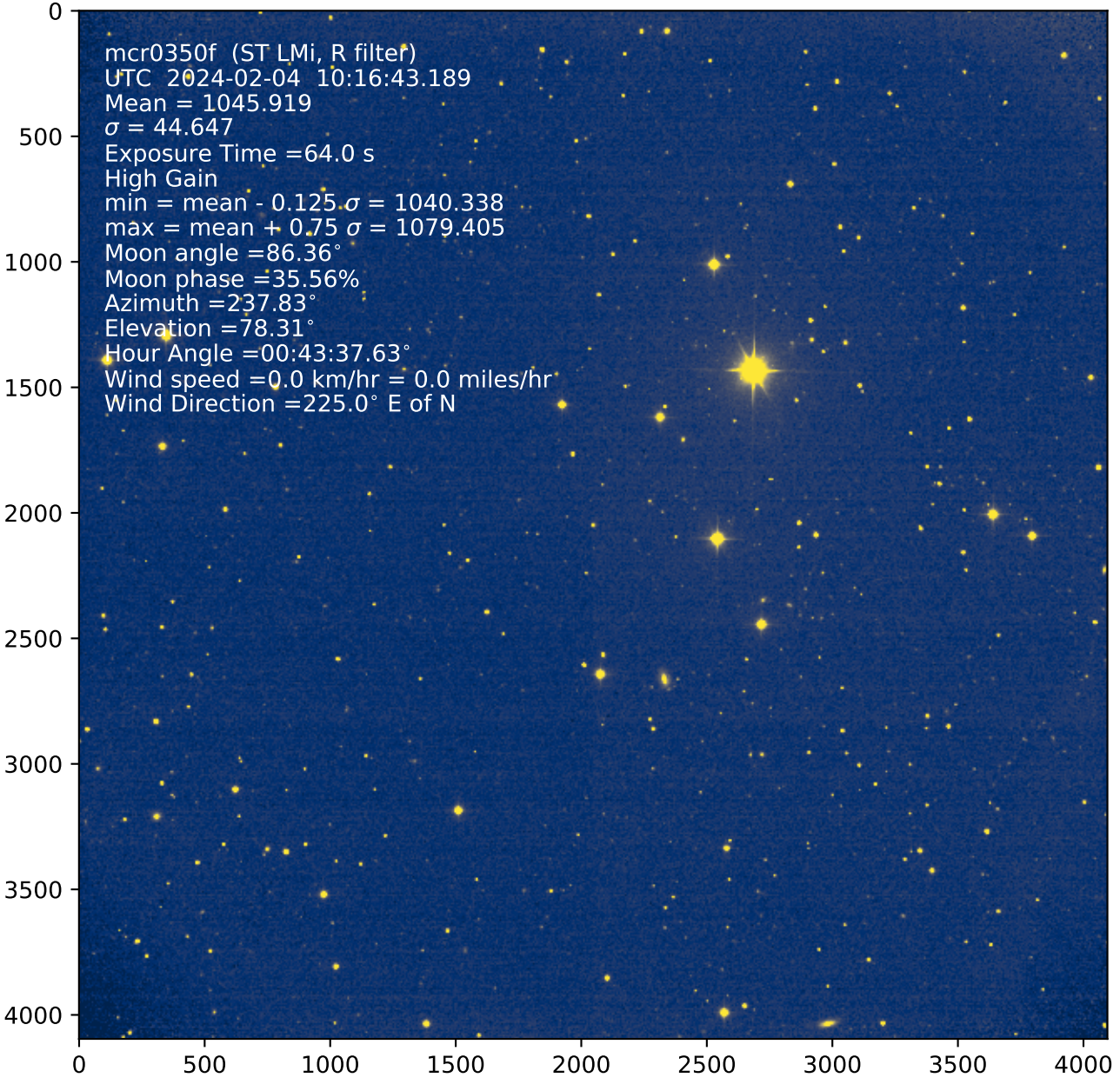

mcr0350a (ST LMi, G filter)
UTC 2024-02-04 10:08:23.670
Mean = 1037.618
σ = 41.084
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1032.483
max = mean + 0.75 σ = 1068.432
Moon angle =86.28°
Moon phase =35.62%
Azimuth =231.41°
Elevation =79.76°
Hour Angle =00:35:16.26°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

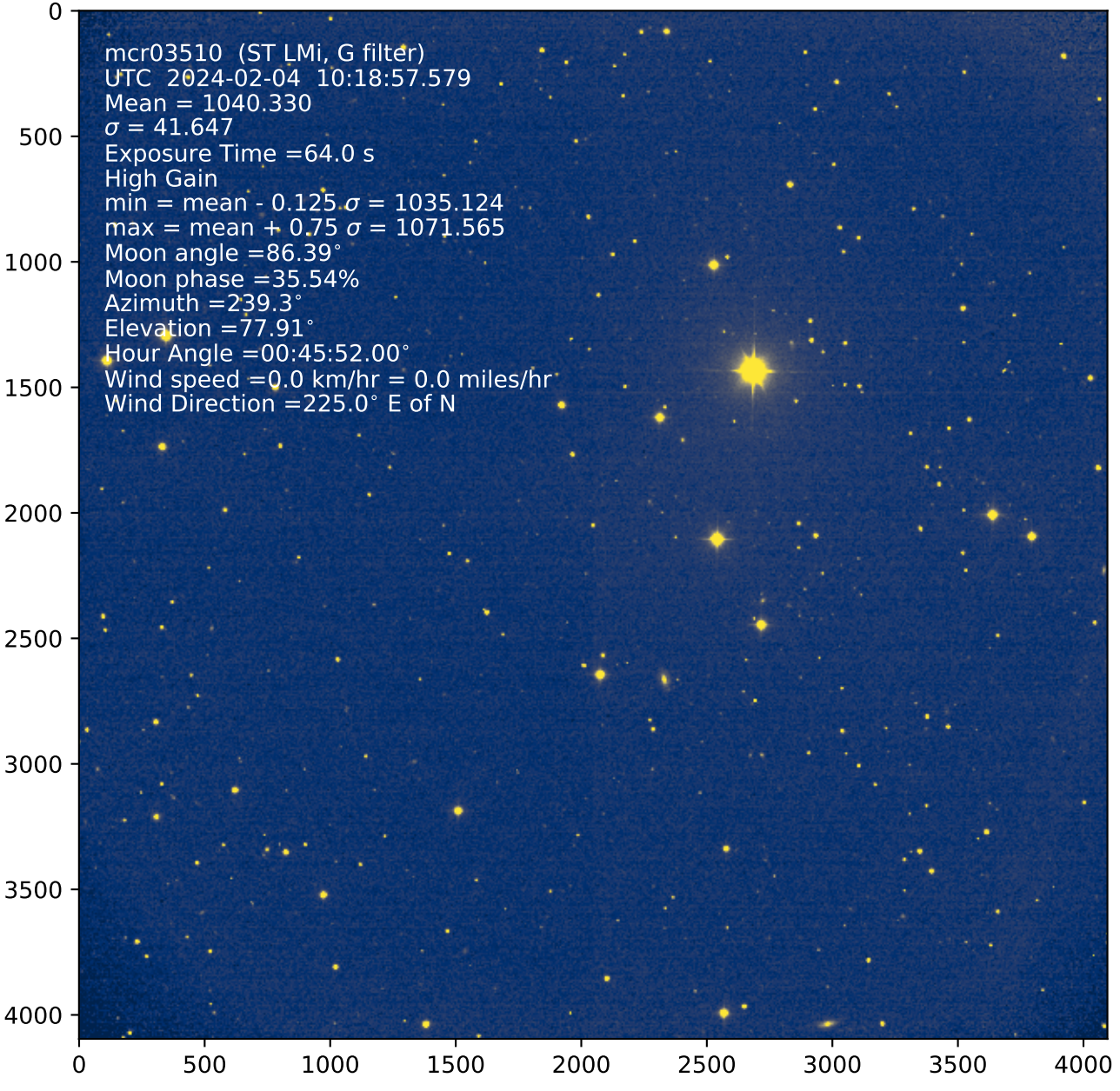

mcr0350b (ST LMi, I filter)
UTC 2024-02-04 10:09:57.030
Mean = 1049.225
σ = 39.609
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1044.274
max = mean + 0.75 σ = 1078.931
Moon angle =86.3°
Moon phase =35.61%
Azimuth =232.74°
Elevation =79.5°
Hour Angle =00:36:50.52°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

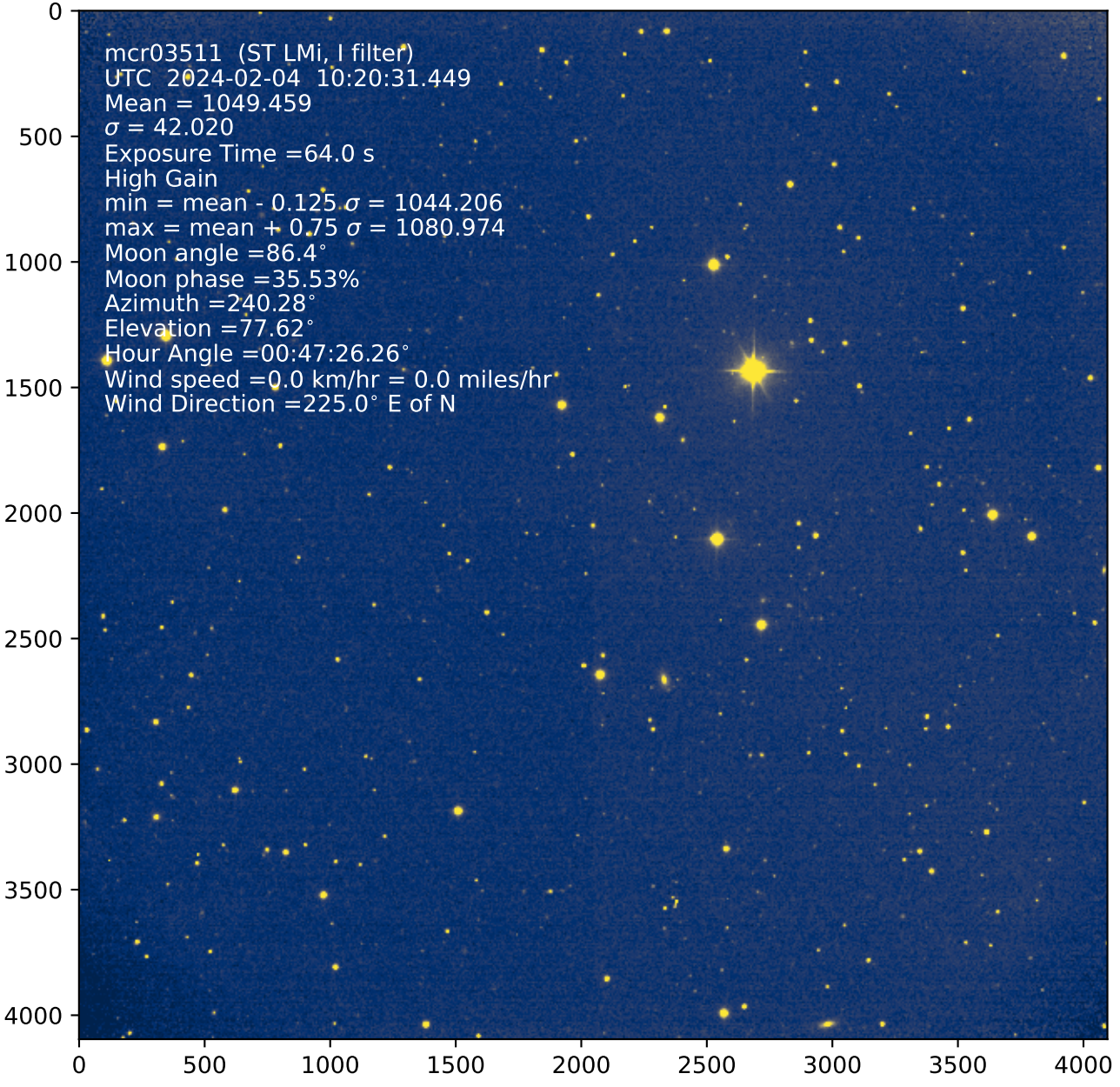

mcr0350c (ST LMi, R filter)
UTC 2024-02-04 10:11:25.960
Mean = 1045.761
σ = 46.663
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1039.929
max = mean + 0.75 σ = 1080.758
Moon angle =86.31°
Moon phase =35.6%
Azimuth =233.95°
Elevation =79.25°
Hour Angle =00:38:19.77°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

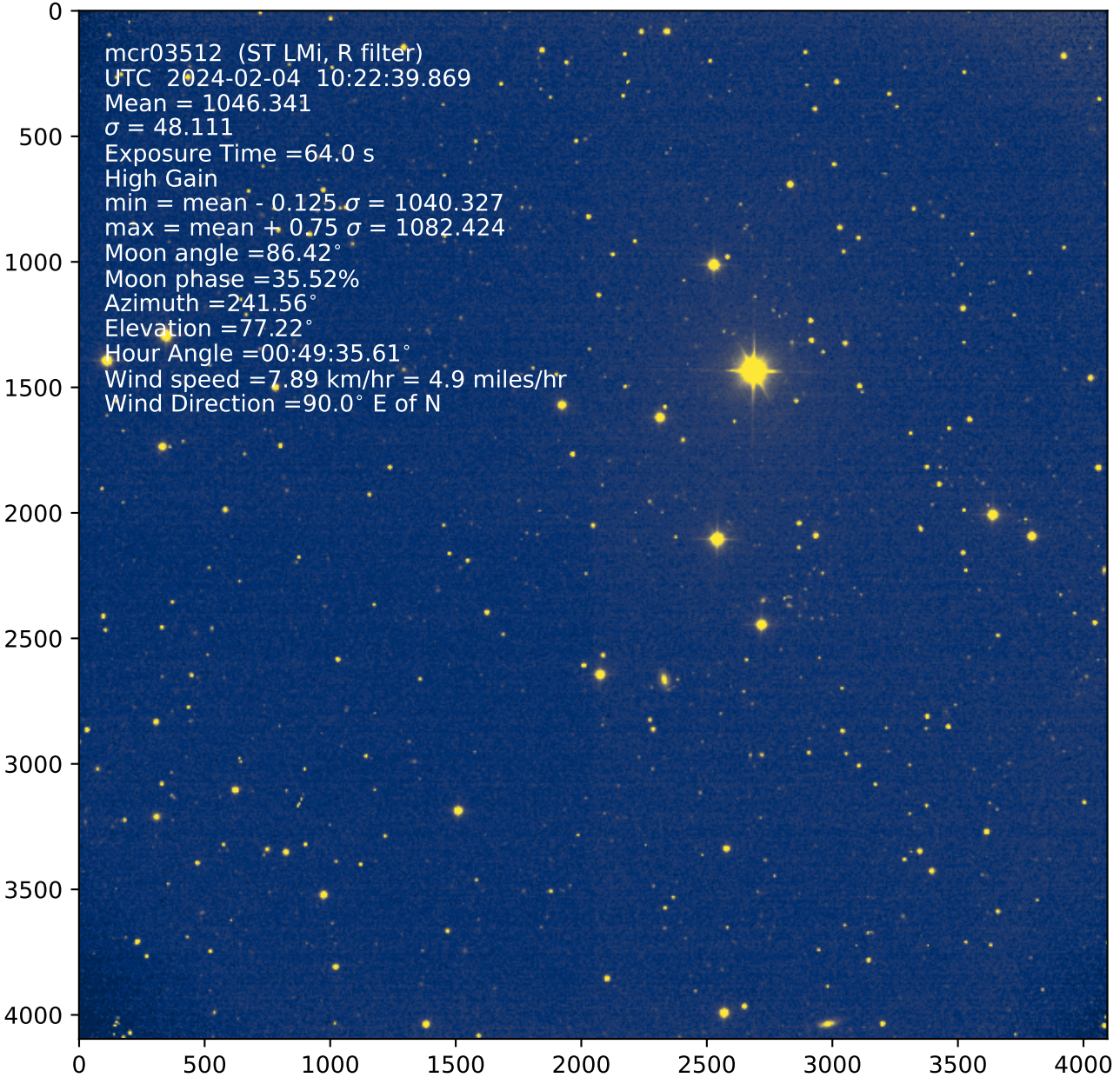

mcr0350d (ST LMi, G filter)
UTC 2024-02-04 10:13:40.420
Mean = 1038.574
σ = 41.019
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1033.447
max = mean + 0.75 σ = 1069.339
Moon angle =86.33°
Moon phase =35.58%
Azimuth =235.66°
Elevation =78.86°
Hour Angle =00:40:34.13°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

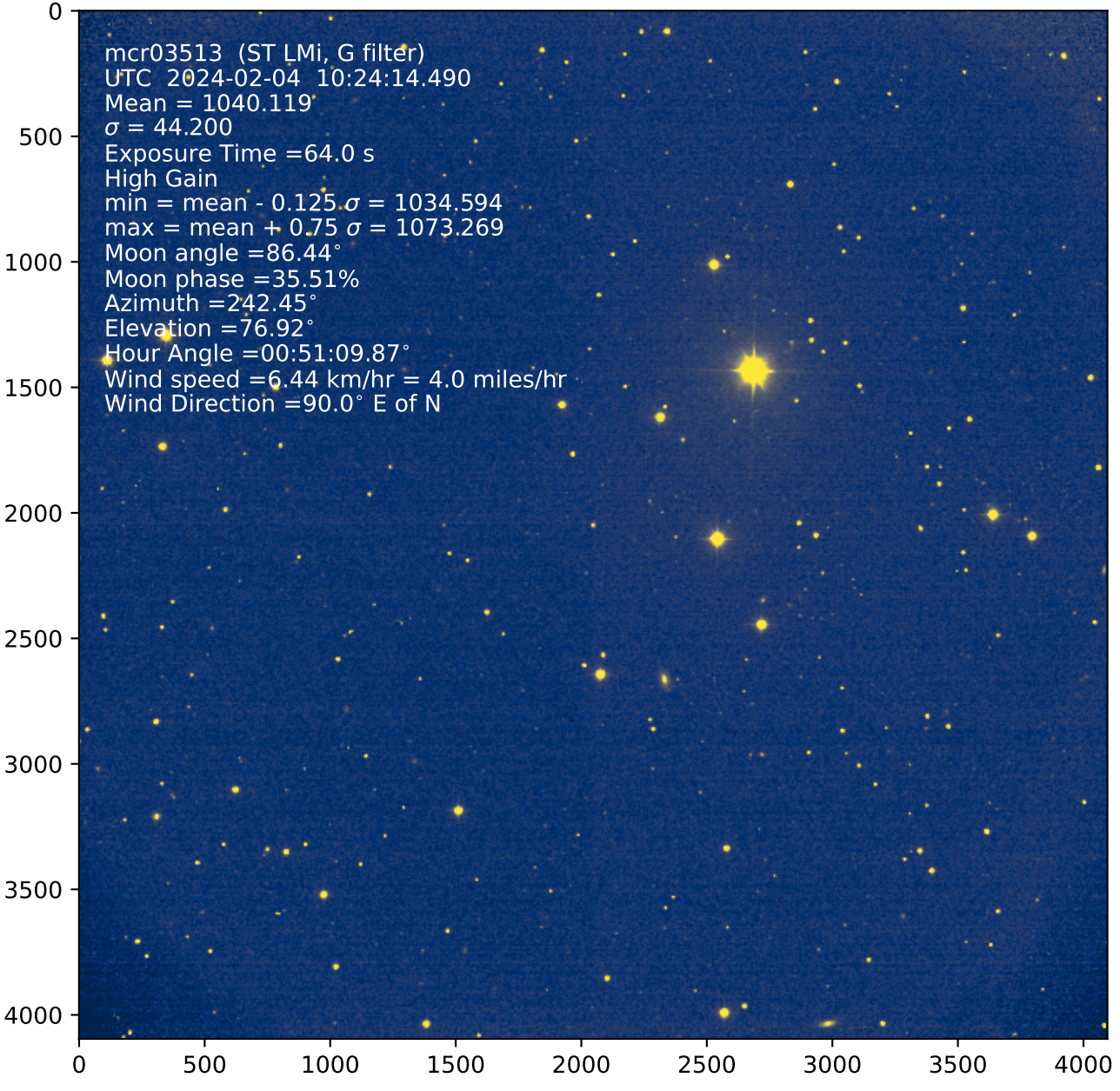

mcr0350e (ST LMi, I filter)
UTC 2024-02-04 10:15:14.300
Mean = 1048.757
σ = 38.145
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1043.988
max = mean + 0.75 σ = 1077.365
Moon angle =86.35°
Moon phase =35.57%
Azimuth =236.8°
Elevation =78.58°
Hour Angle =00:42:08.39°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

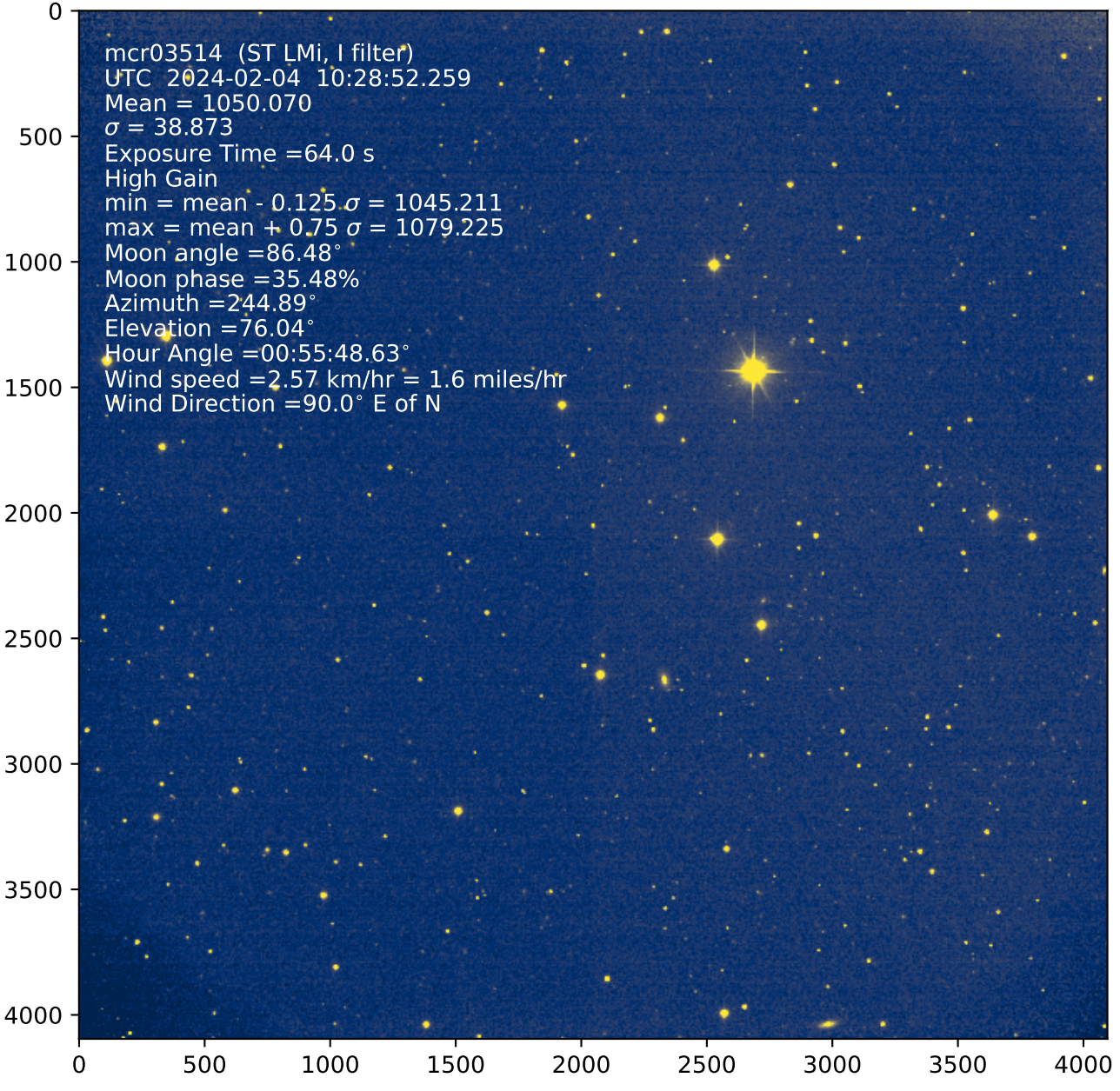

mcr0350f (ST LMi, R filter)
UTC 2024-02-04 10:16:43.189
Mean = 1045.919
σ = 44.647
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1040.338
max = mean + 0.75 σ = 1079.405
Moon angle =86.36°
Moon phase =35.56%
Azimuth =237.83°
Elevation =78.31°
Hour Angle =00:43:37.63°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

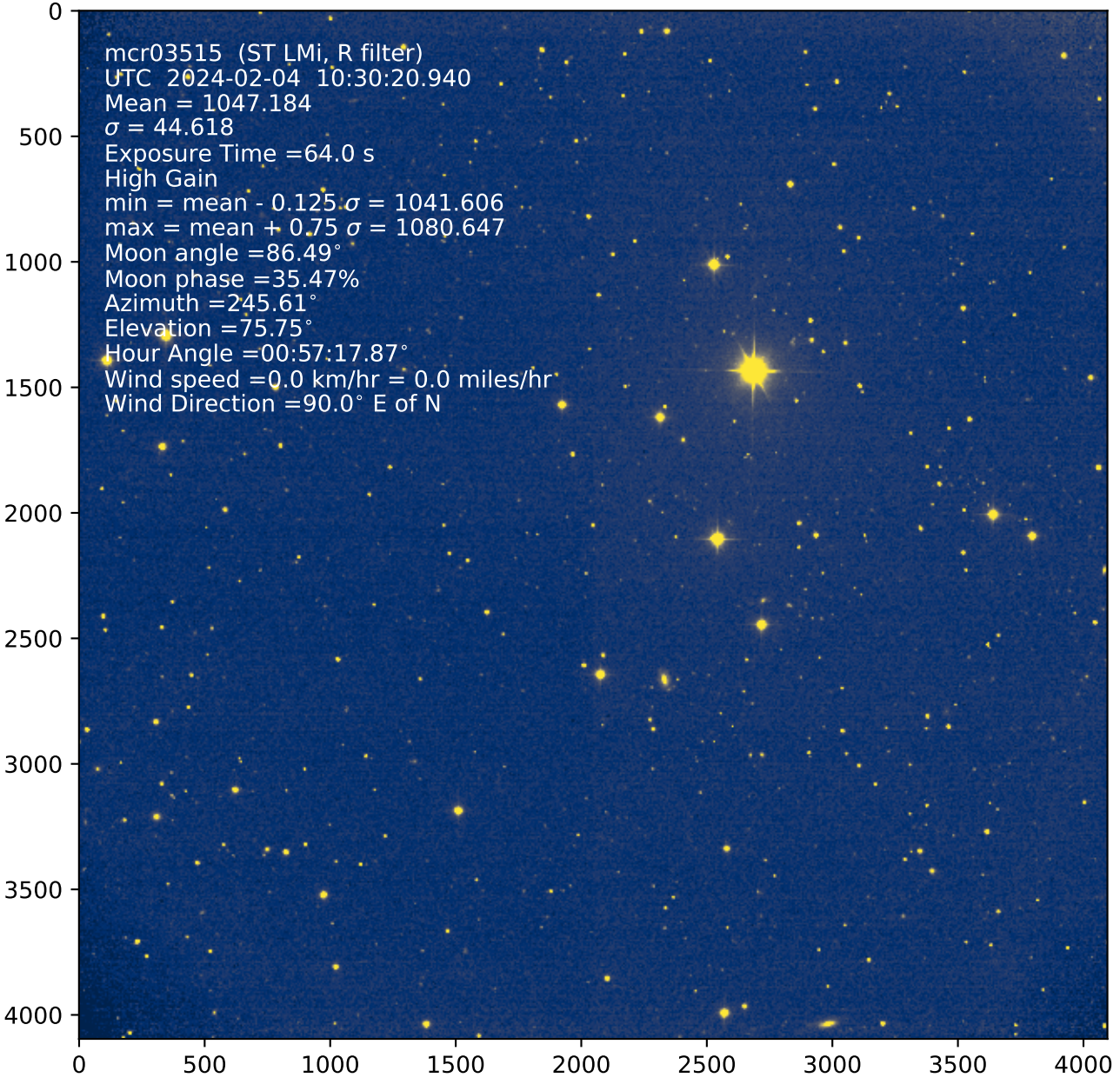

mcr03510 (ST LMi, G filter)
UTC 2024-02-04 10:18:57.579
Mean = 1040.330
σ = 41.647
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1035.124
max = mean + 0.75 σ = 1071.565
Moon angle =86.39°
Moon phase =35.54%
Azimuth =239.3°
Elevation =77.91°
Hour Angle =00:45:52.00°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

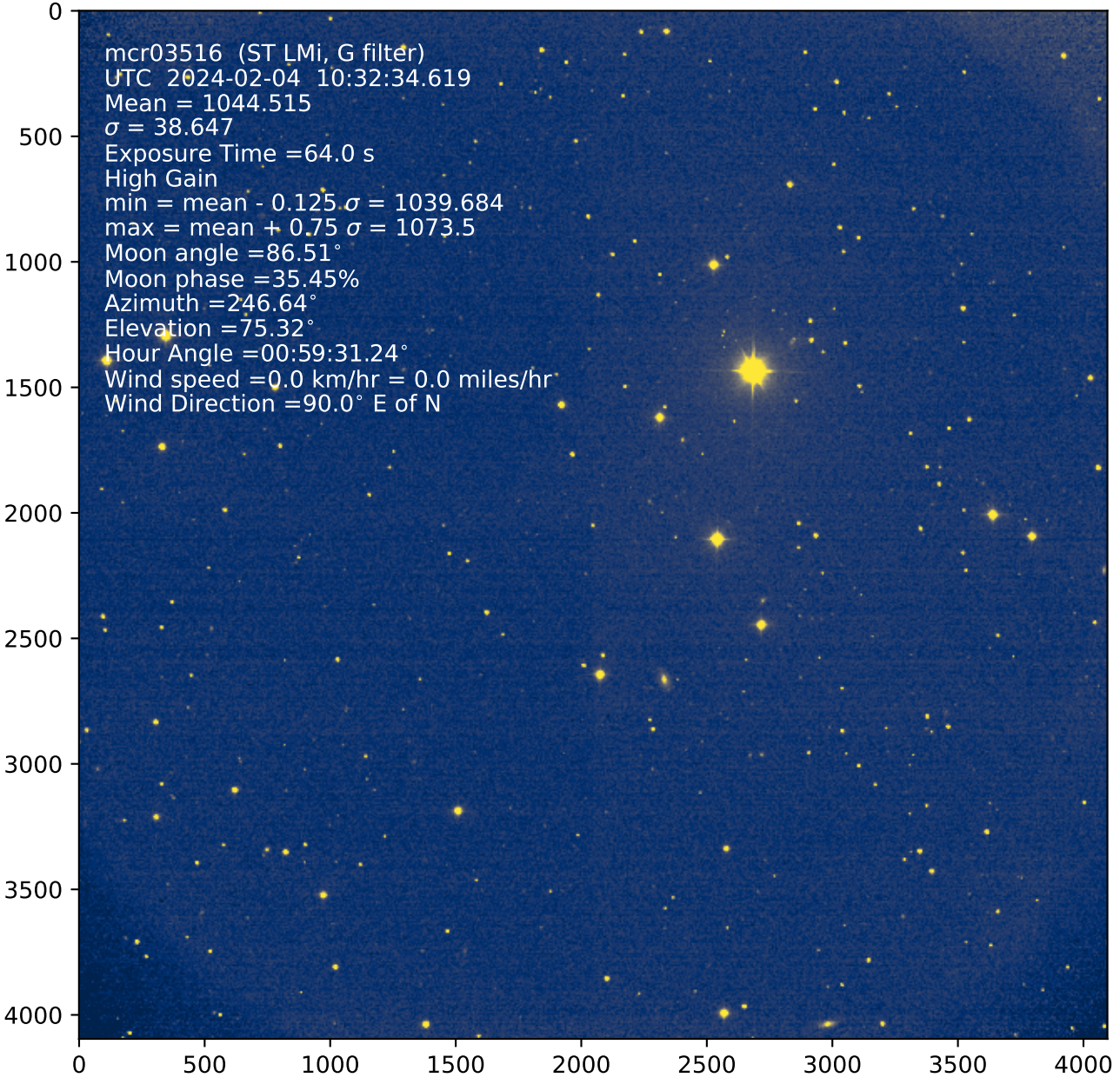

mcr03511 (ST LMi, I filter)
UTC 2024-02-04 10:20:31.449
Mean = 1049.459
σ = 42.020
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1044.206
max = mean + 0.75 σ = 1080.974
Moon angle =86.4°
Moon phase =35.53%
Azimuth =240.28°
Elevation =77.62°
Hour Angle =00:47:26.26°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

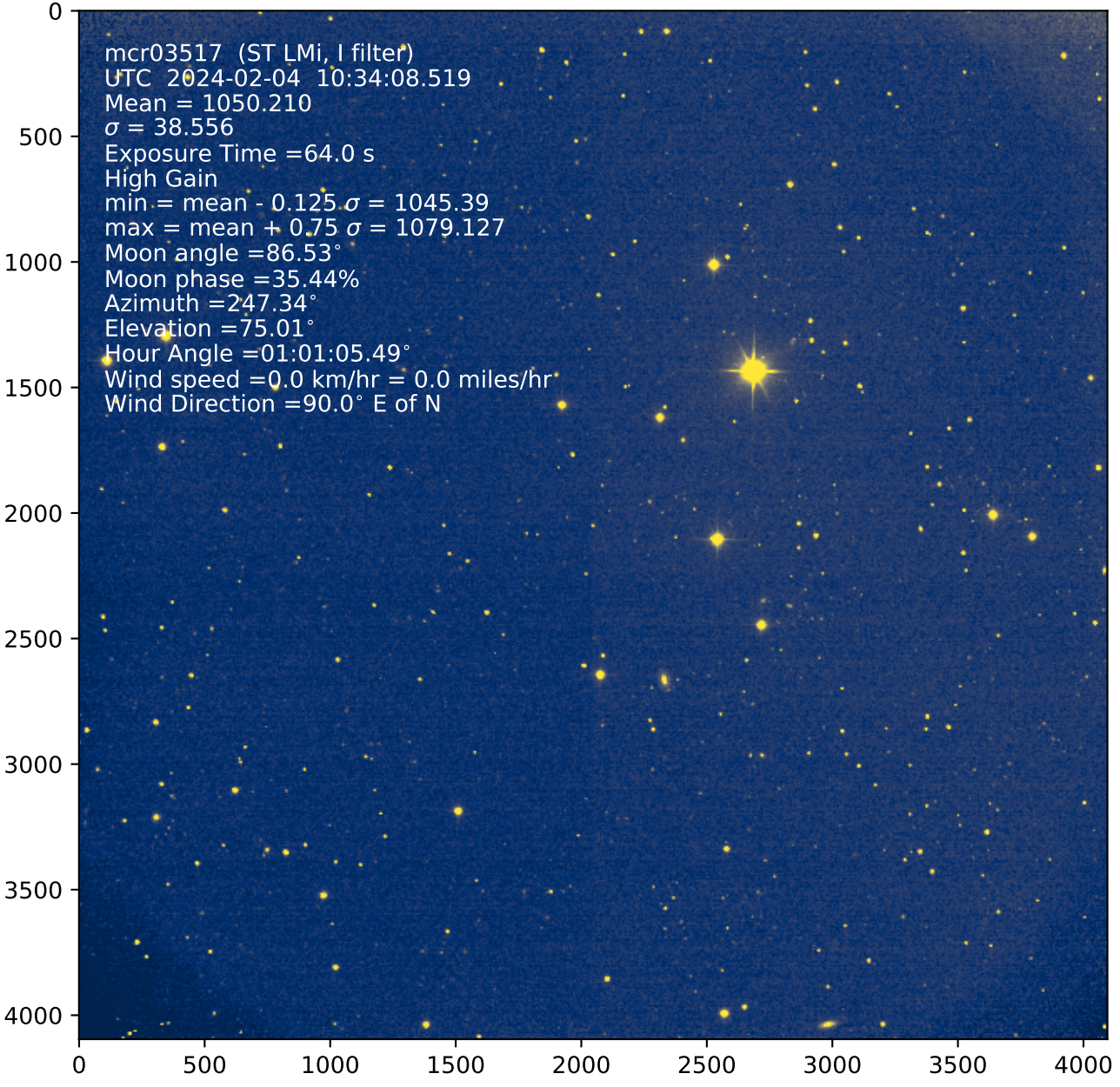

mcr03512 (ST LMi, R filter)
UTC 2024-02-04 10:22:39.869
Mean = 1046.341
σ = 48.111
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1040.327
max = mean + 0.75 σ = 1082.424
Moon angle =86.42°
Moon phase =35.52%
Azimuth =241.56°
Elevation =77.22°
Hour Angle =00:49:35.61°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

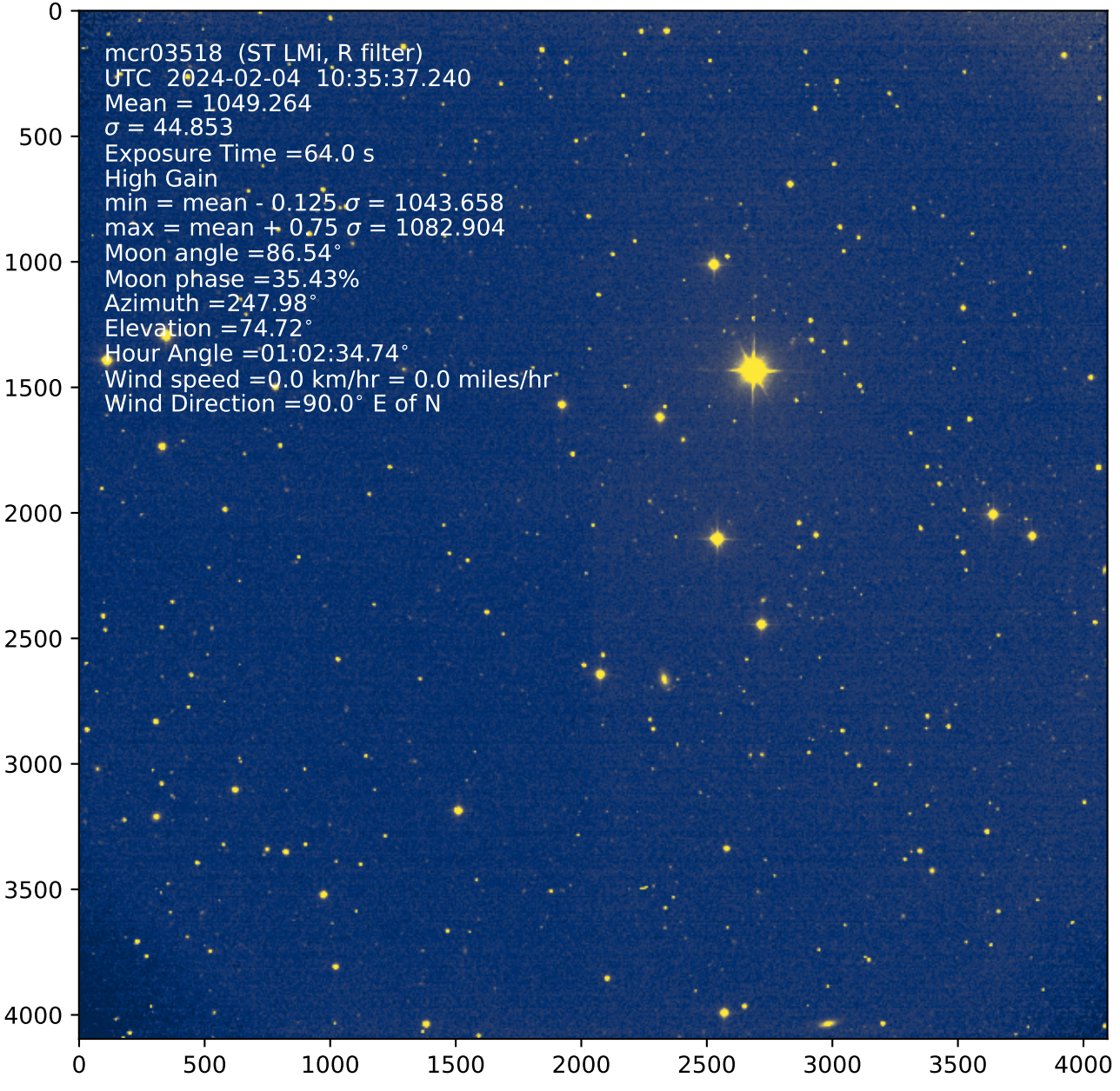

mcr03513 (ST LMi, G filter)
UTC 2024-02-04 10:24:14.490
Mean = 1040.119
σ = 44.200
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1034.594
max = mean + 0.75 σ = 1073.269
Moon angle =86.44°
Moon phase =35.51%
Azimuth =242.45°
Elevation =76.92°
Hour Angle =00:51:09.87°
Wind speed =6.44 km/hr = 4.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

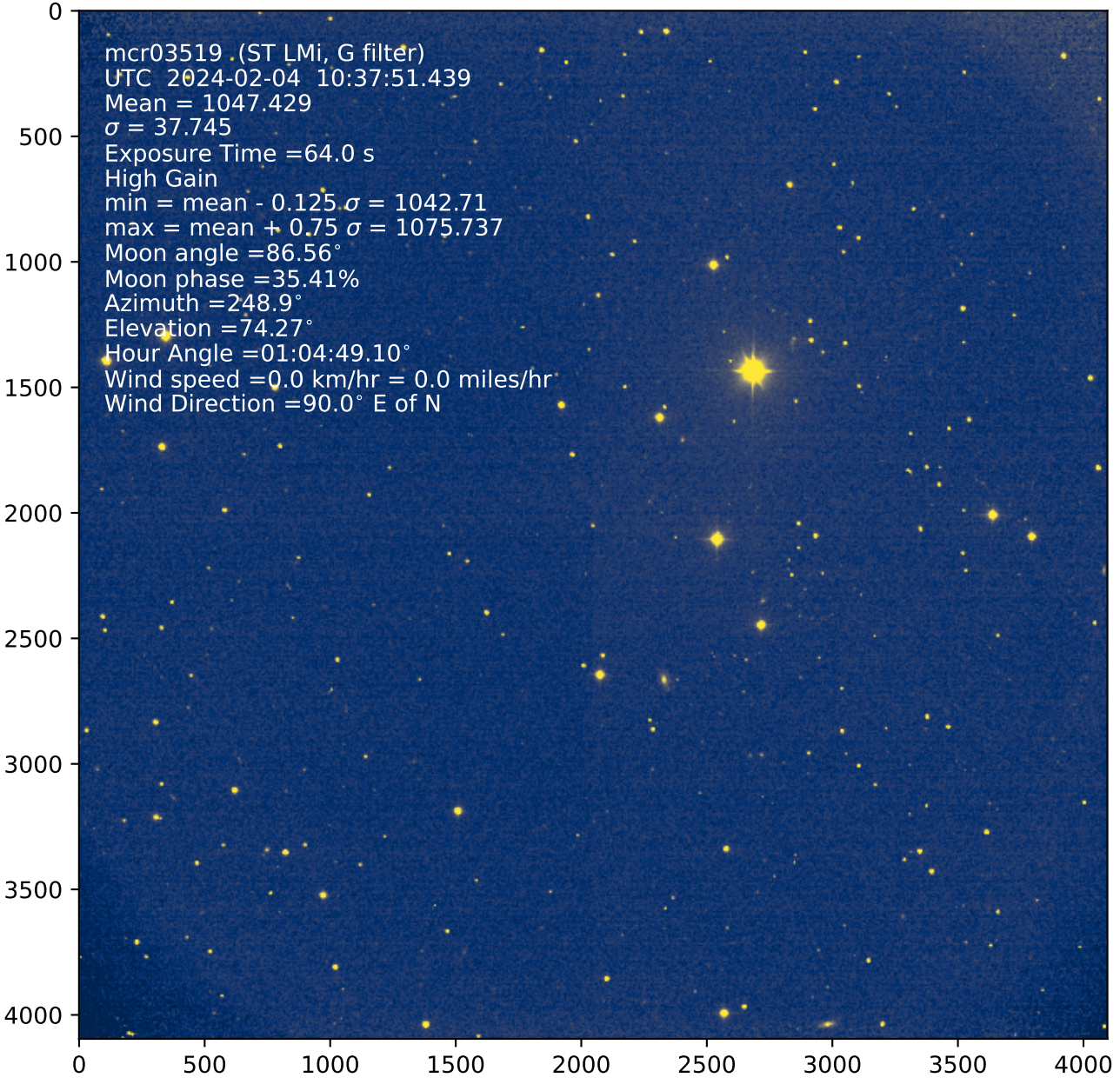

mcr03514 (ST LMi, I filter)
UTC 2024-02-04 10:28:52.259
Mean = 1050.070
σ = 38.873
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1045.211
max = mean + 0.75 σ = 1079.225
Moon angle =86.48°
Moon phase =35.48%
Azimuth =244.89°
Elevation =76.04°
Hour Angle =00:55:48.63°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

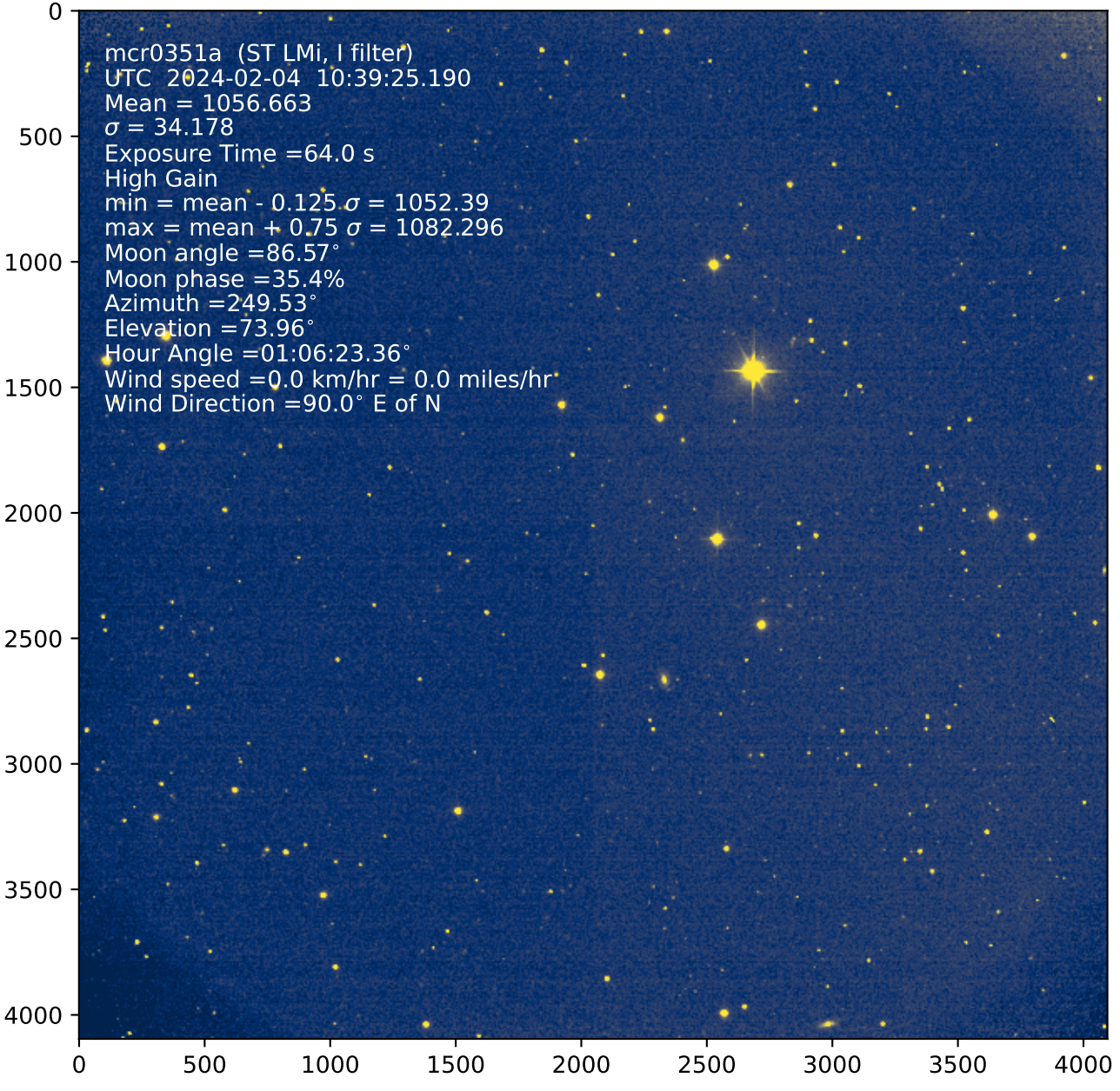

mcr03515 (ST LMi, R filter)
UTC 2024-02-04 10:30:20.940
Mean = 1047.184
σ = 44.618
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1041.606
max = mean + 0.75 σ = 1080.647
Moon angle =86.49°
Moon phase =35.47%
Azimuth =245.61°
Elevation =75.75°
Hour Angle =00:57:17.87°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

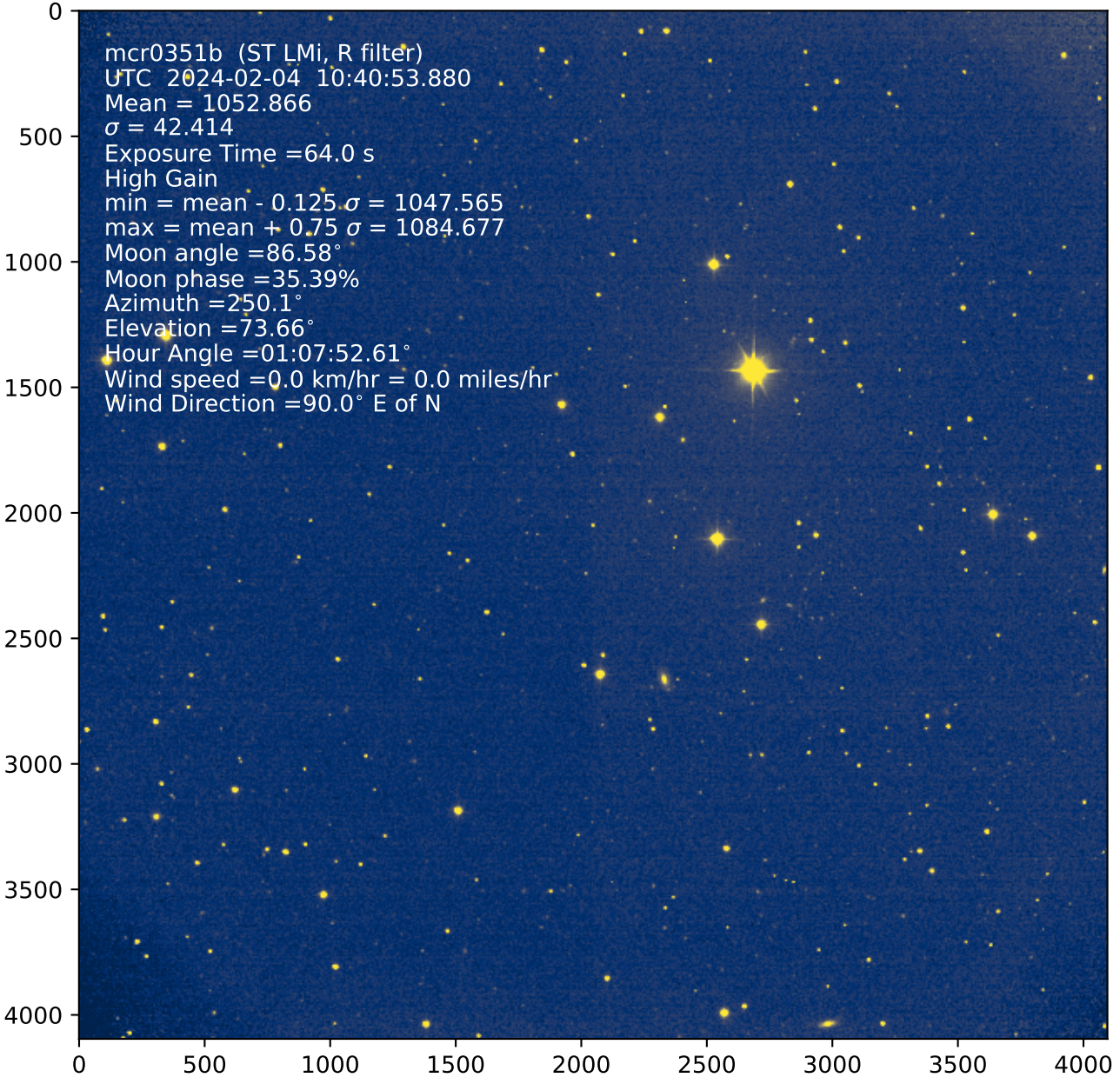

mcr03516 (ST LMi, G filter)
UTC 2024-02-04 10:32:34.619
Mean = 1044.515
σ = 38.647
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1039.684
max = mean + 0.75 σ = 1073.5
Moon angle =86.51°
Moon phase =35.45%
Azimuth =246.64°
Elevation =75.32°
Hour Angle =00:59:31.24°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

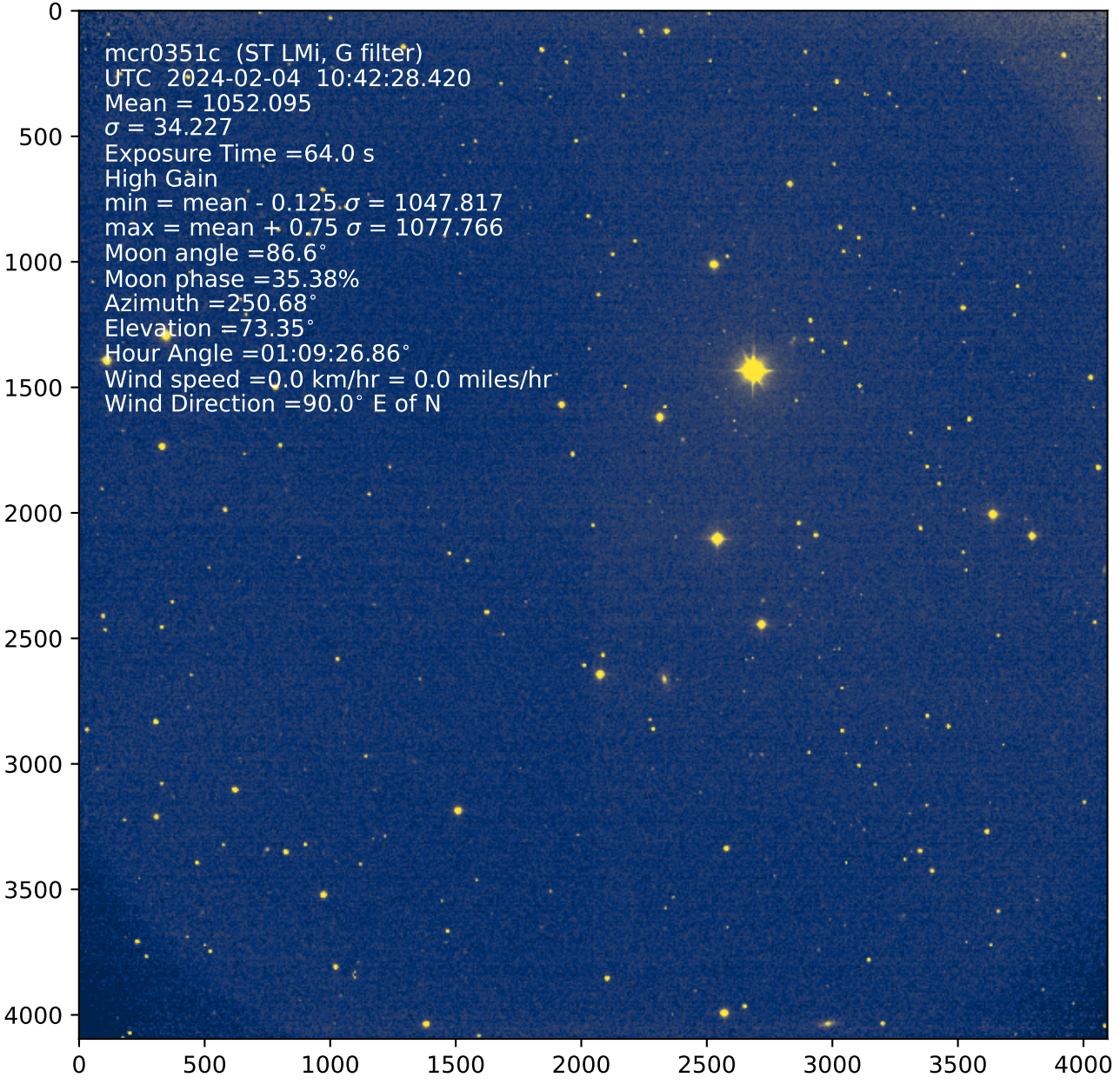

mcr03517 (ST LMi, I filter)
UTC 2024-02-04 10:34:08.519
Mean = 1050.210
σ = 38.556
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1045.39
max = mean + 0.75 σ = 1079.127
Moon angle =86.53°
Moon phase =35.44%
Azimuth =247.34°
Elevation =75.01°
Hour Angle =01:01:05.49°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

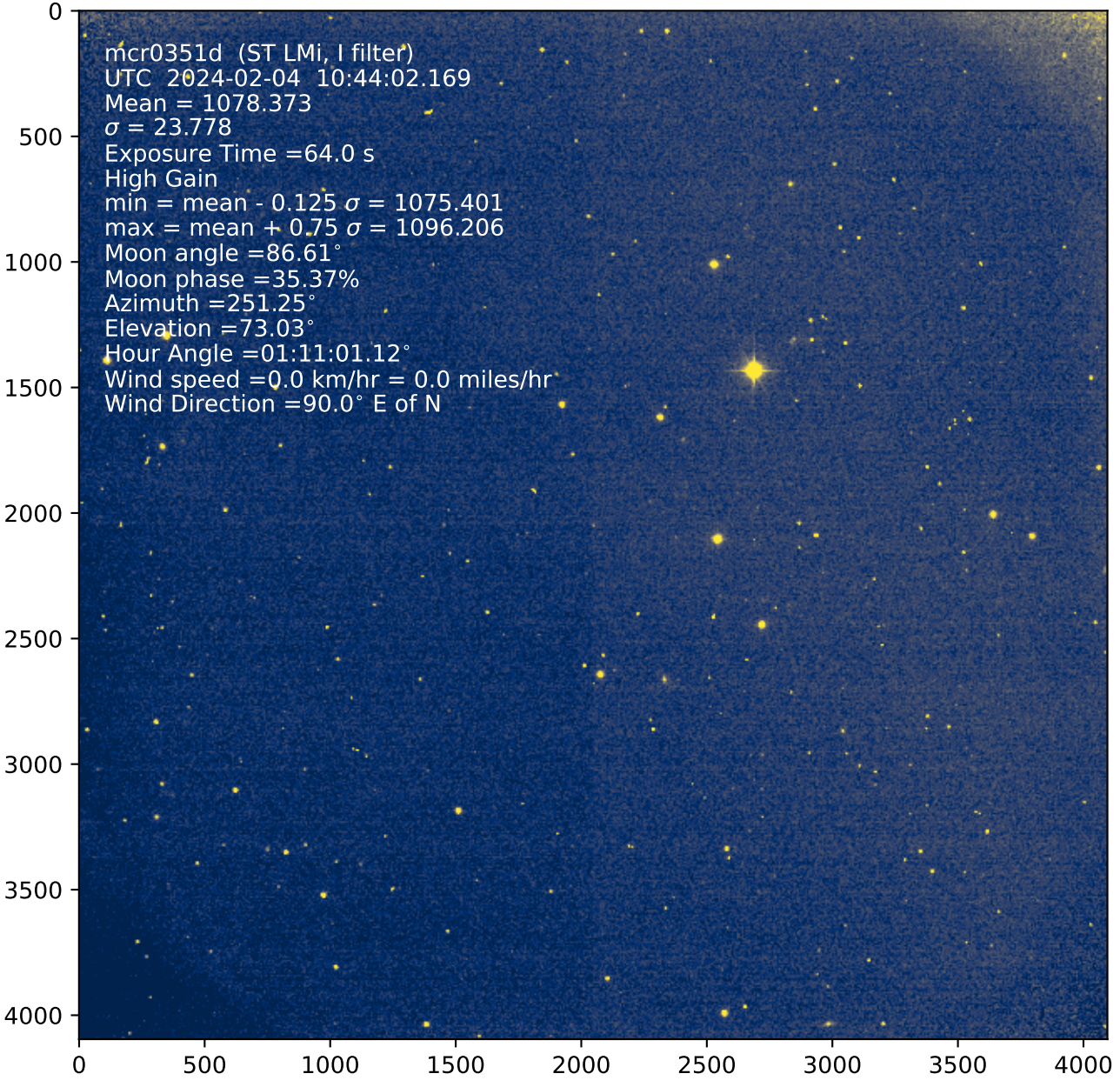

mcr03518 (ST LMi, R filter)
UTC 2024-02-04 10:35:37.240
Mean = 1049.264
σ = 44.853
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1043.658
max = mean + 0.75 σ = 1082.904
Moon angle =86.54°
Moon phase =35.43%
Azimuth =247.98°
Elevation =74.72°
Hour Angle =01:02:34.74°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

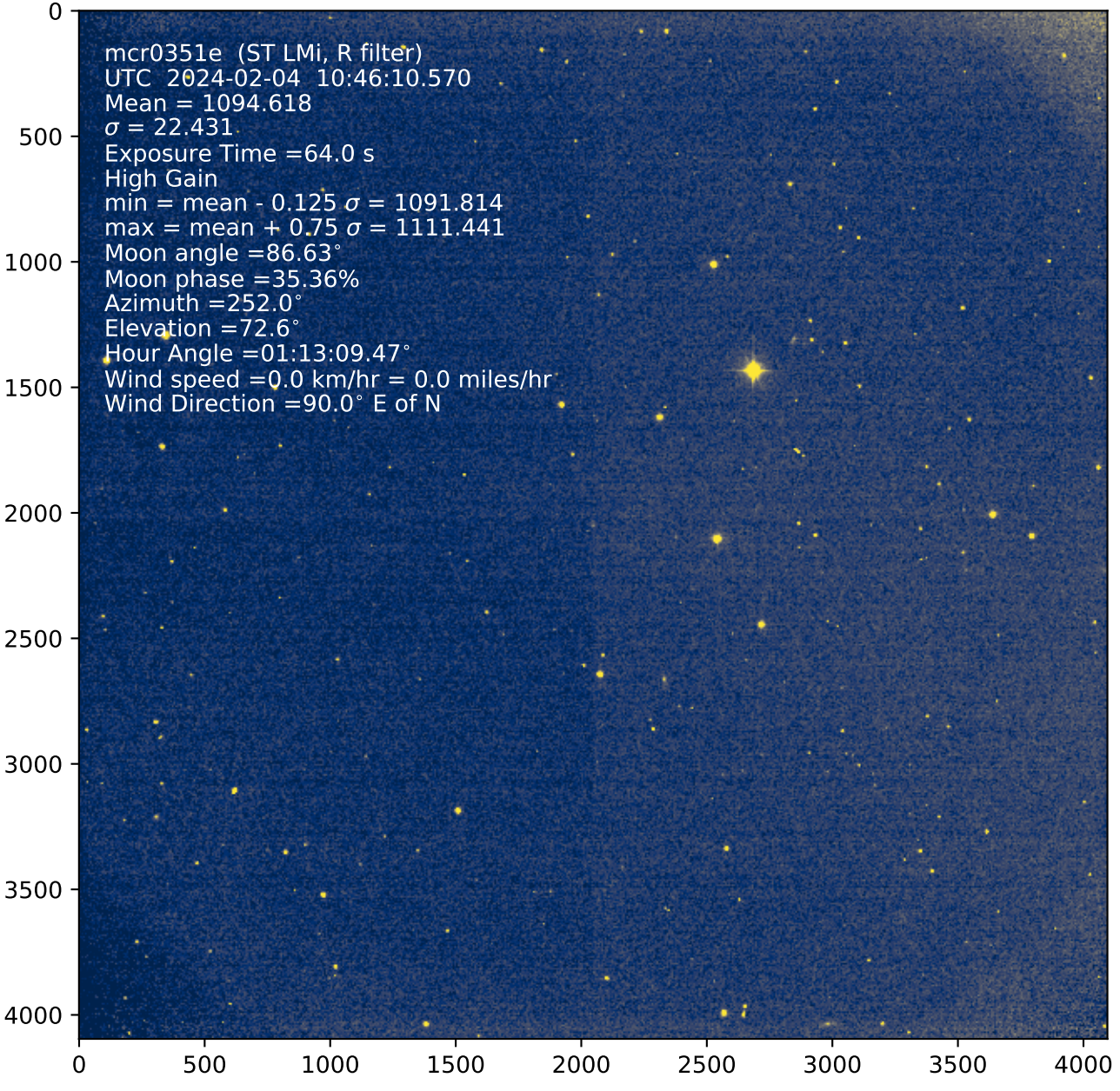

mcr03519 .(ST LMi, G filter)
UTC 2024-02-04 10:37:51.439
Mean = 1047.429
σ = 37.745
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1042.71
max = mean + 0.75 σ = 1075.737
Moon angle =86.56°
Moon phase =35.41%
Azimuth =248.9°
Elevation =74.27°
Hour Angle =01:04:49.10°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

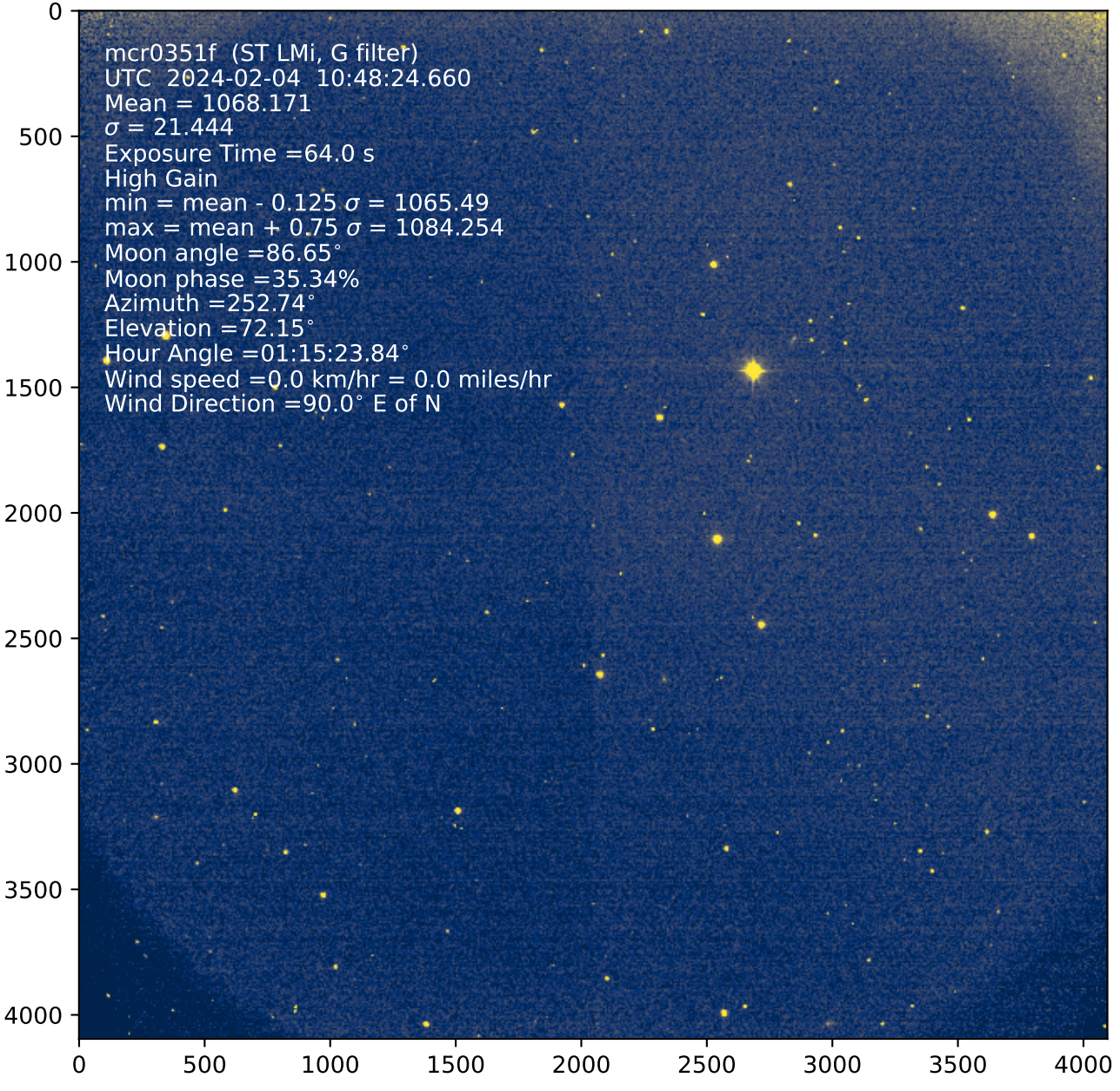

mcr0351a (ST LMi, I filter)
UTC 2024-02-04 10:39:25.190
Mean = 1056.663
σ = 34.178
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1052.39
max = mean + 0.75 σ = 1082.296
Moon angle =86.57°
Moon phase =35.4%
Azimuth =249.53°
Elevation =73.96°
Hour Angle =01:06:23.36°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

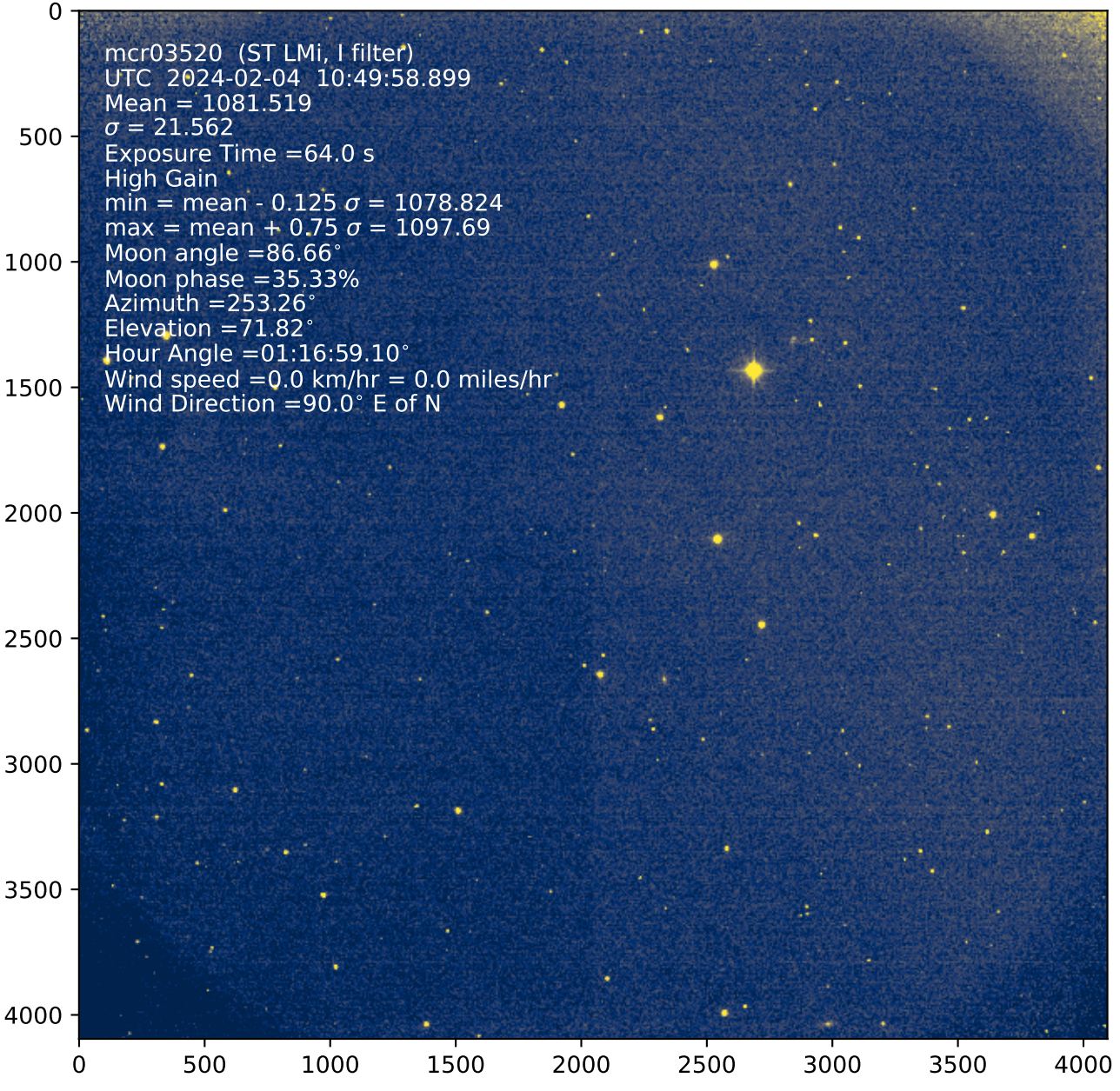

mcr0351b (ST LMi, R filter)
UTC 2024-02-04 10:40:53.880
Mean = 1052.866
σ = 42.414
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1047.565
max = mean + 0.75 σ = 1084.677
Moon angle =86.58°
Moon phase =35.39%
Azimuth =250.1°
Elevation =73.66°
Hour Angle =01:07:52.61°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

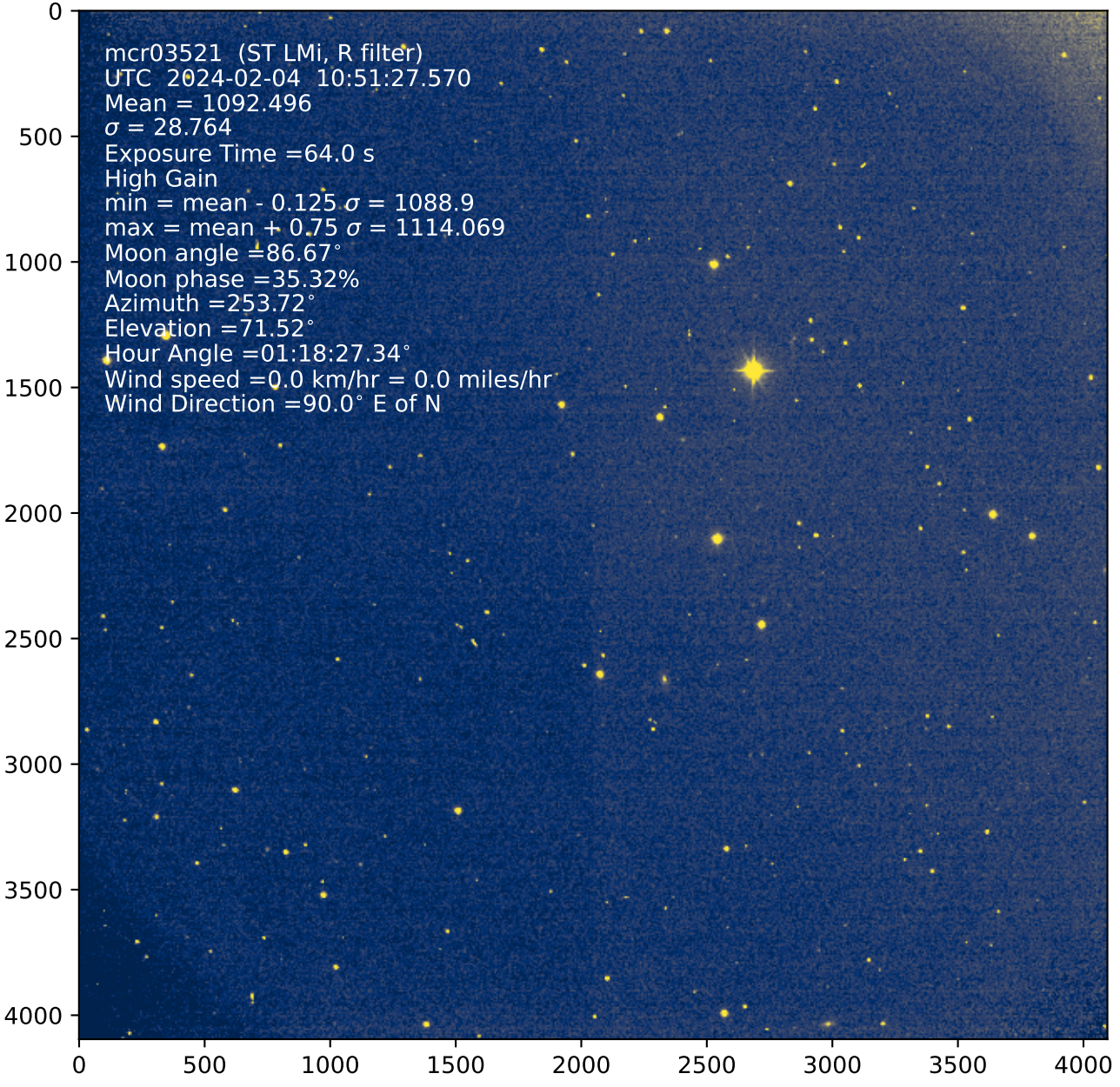

mcr0351c (ST LMi, G filter)
UTC 2024-02-04 10:42:28.420
Mean = 1052.095
σ = 34.227
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1047.817
max = mean + 0.75 σ = 1077.766
Moon angle =86.6˚
Moon phase =35.38%
Azimuth =250.68˚
Elevation =73.35˚
Hour Angle =01:09:26.86˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

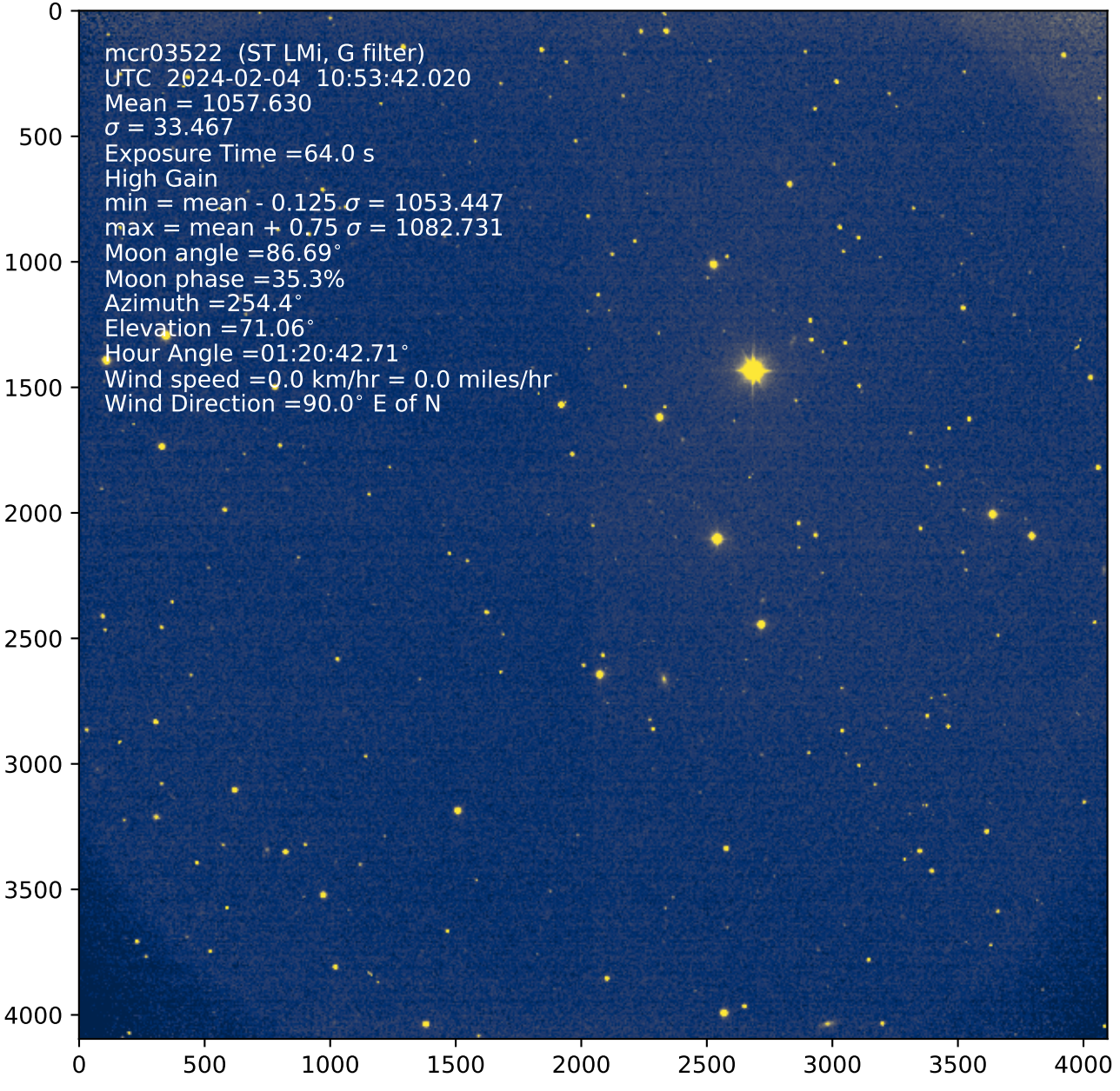

mcr0351d (ST LMi, I filter)
UTC 2024-02-04 10:44:02.169
Mean = 1078.373
σ = 23.778
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1075.401
max = mean + 0.75 σ = 1096.206
Moon angle =86.61°
Moon phase =35.37%
Azimuth =251.25°
Elevation =73.03°
Hour Angle =01:11:01.12°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

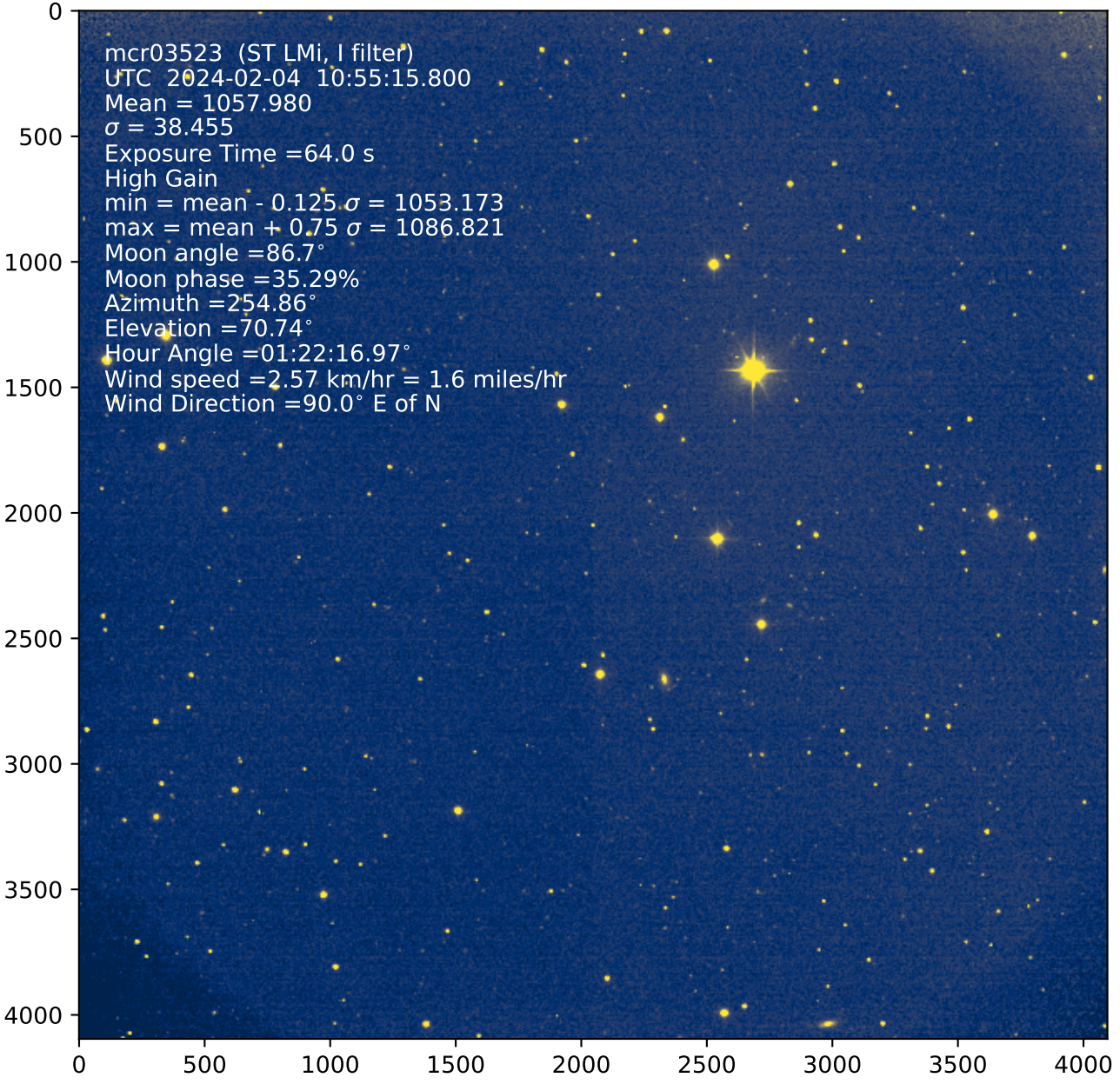

mcr0351e (ST LMi, R filter)
UTC 2024-02-04 10:46:10.570
Mean = 1094.618
σ = 22.431
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1091.814
max = mean + 0.75 σ = 1111.441
Moon angle =86.63°
Moon phase =35.36%
Azimuth =252.0°
Elevation =72.6°
Hour Angle =01:13:09.47°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

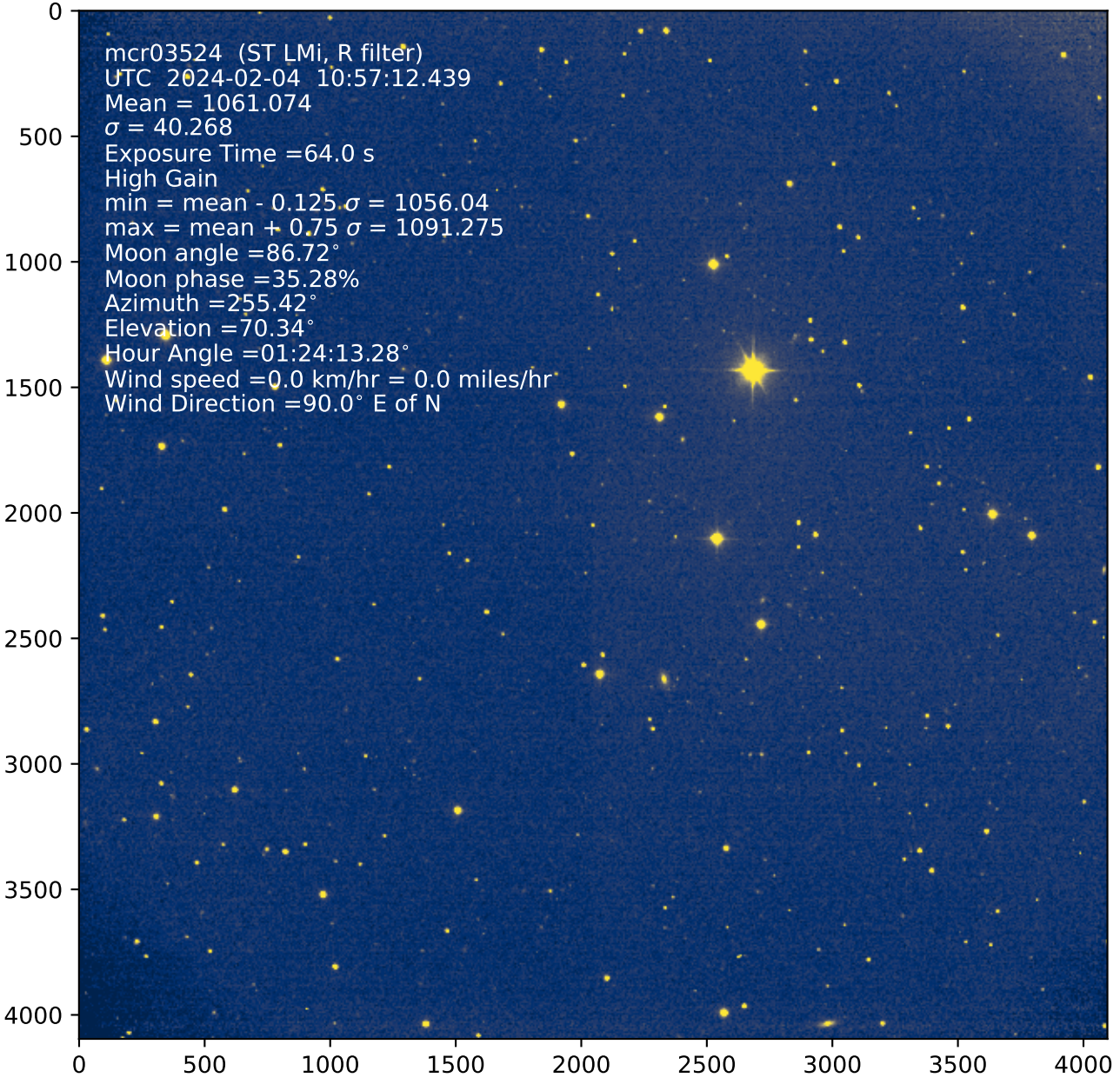

mcr0351f (ST LMi, G filter)
UTC 2024-02-04 10:48:24.660
Mean = 1068.171
σ = 21.444
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1065.49
max = mean + 0.75 σ = 1084.254
Moon angle =86.65°
Moon phase =35.34%
Azimuth =252.74°
Elevation =72.15°
Hour Angle =01:15:23.84°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

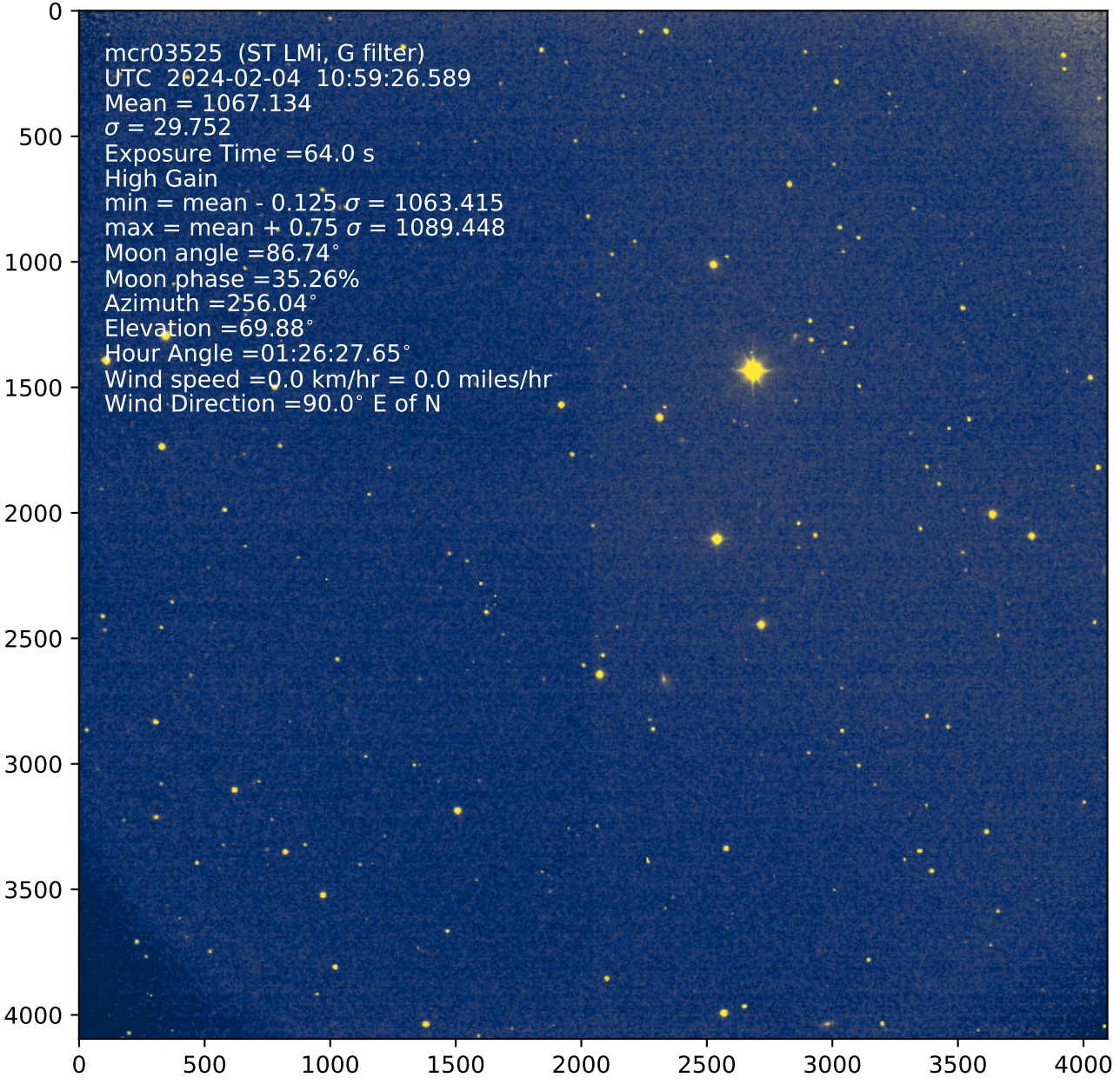

mcr03520 (ST LMi, I filter)
UTC 2024-02-04 10:49:58.899
Mean = 1081.519
σ = 21.562
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1078.824
max = mean + 0.75 σ = 1097.69
Moon angle =86.66°
Moon phase =35.33%
Azimuth =253.26°
Elevation =71.82°
Hour Angle =01:16:59.10°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

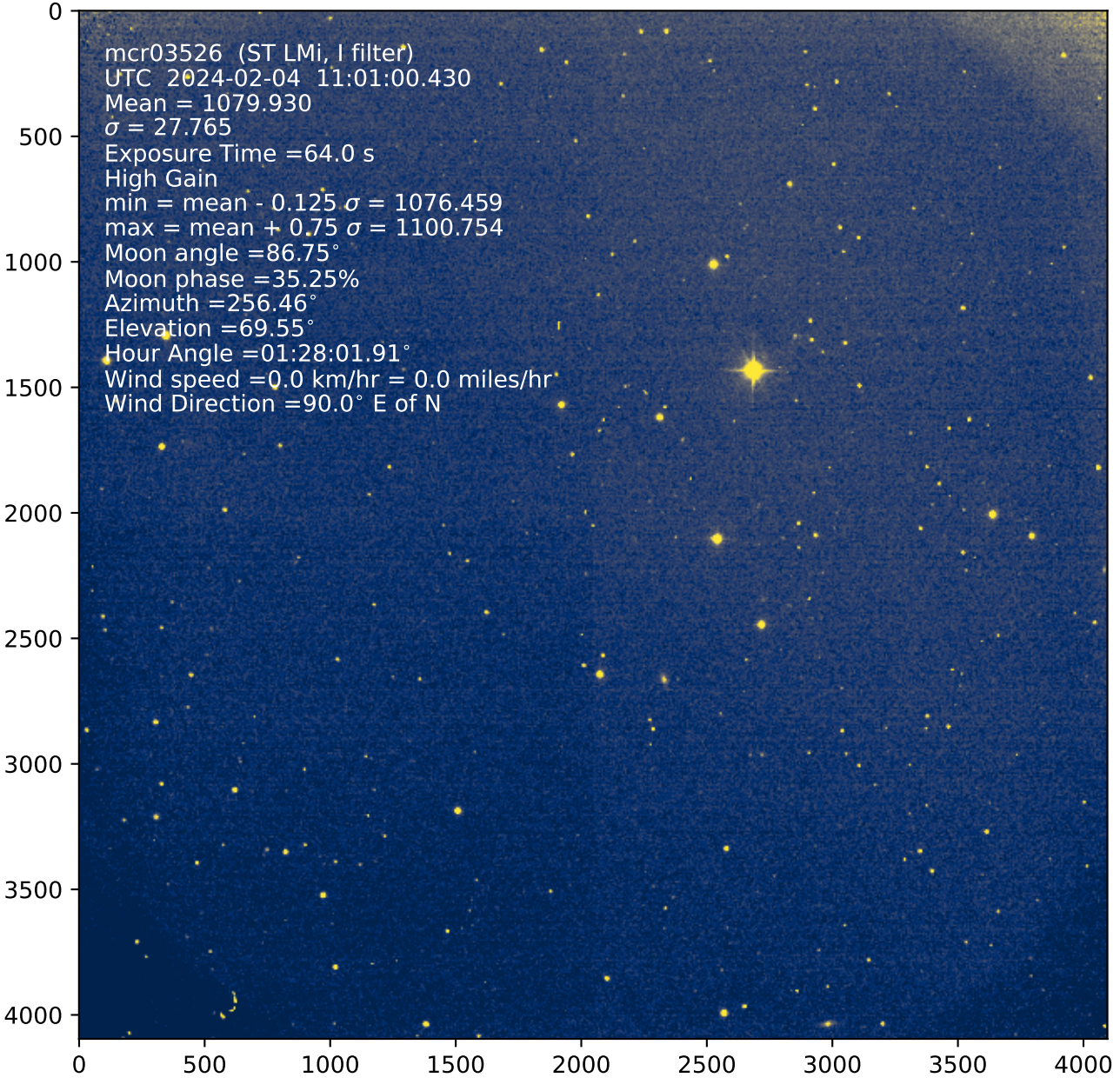

mcr03521 (ST LMi, R filter)
UTC 2024-02-04 10:51:27.570
Mean = 1092.496
σ = 28.764
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1088.9
max = mean + 0.75 σ = 1114.069
Moon angle =86.67°
Moon phase =35.32%
Azimuth =253.72°
Elevation =71.52°
Hour Angle =01:18:27.34°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

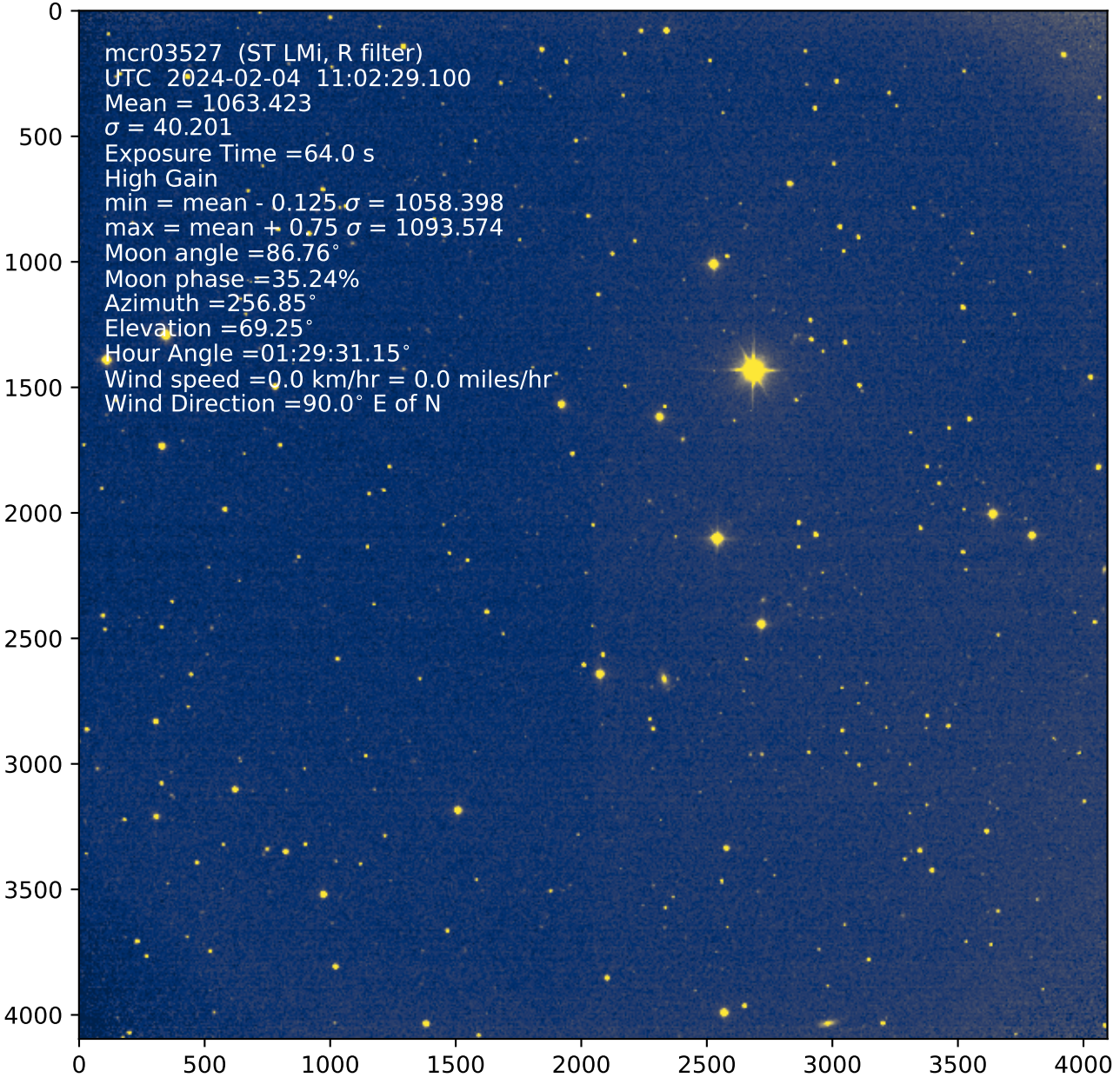

mcr03522 (ST LMi, G filter)
UTC 2024-02-04 10:53:42.020
Mean = 1057.630
σ = 33.467
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1053.447
max = mean + 0.75 σ = 1082.731
Moon angle =86.69°
Moon phase =35.3%
Azimuth =254.4°
Elevation =71.06°
Hour Angle =01:20:42.71°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

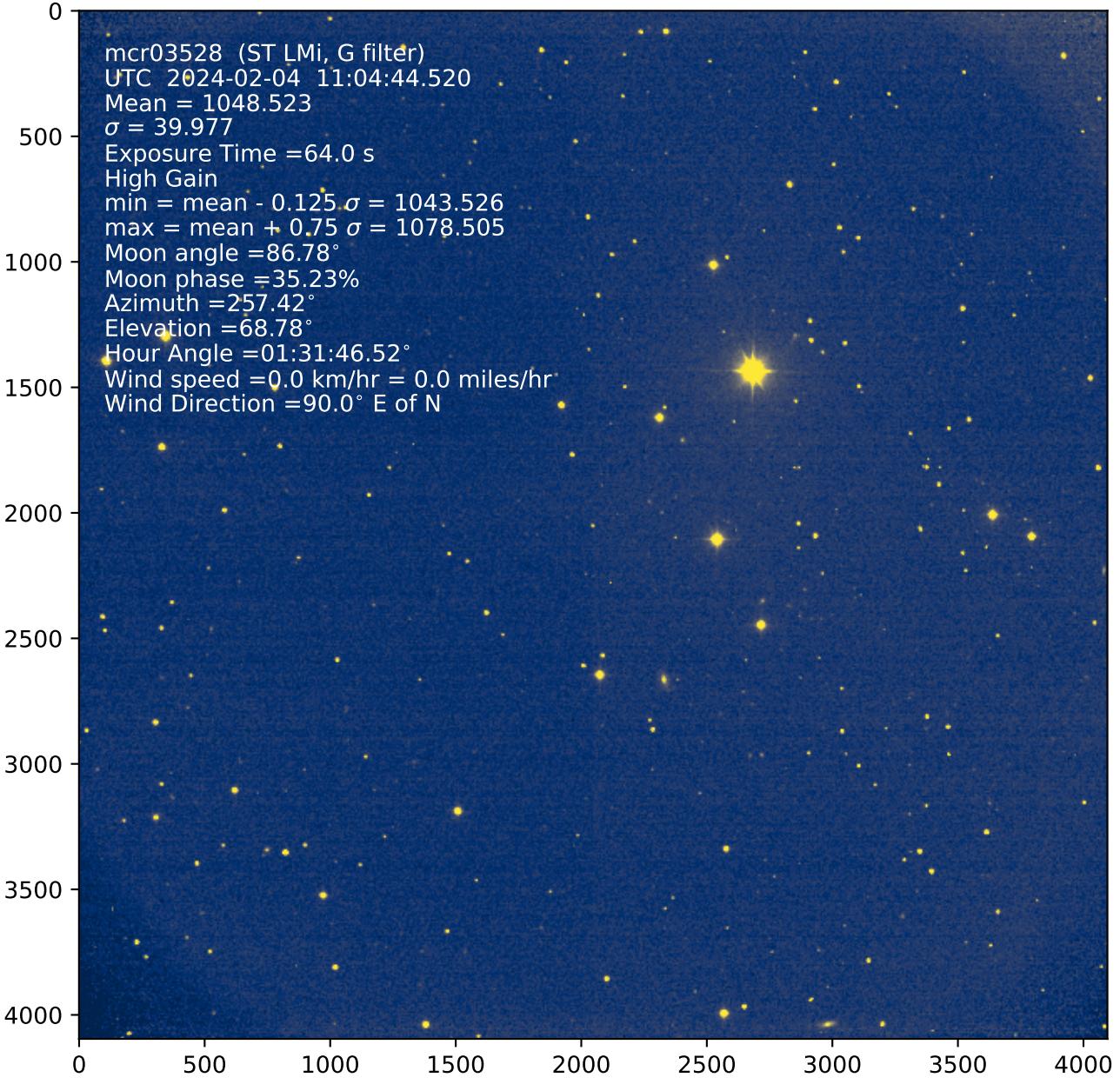

mcr03523 (ST LMi, I filter)
UTC 2024-02-04 10:55:15.800
Mean = 1057.980
σ = 38.455
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1053.173
max = mean + 0.75 σ = 1086.821
Moon angle =86.7°
Moon phase =35.29%
Azimuth =254.86°
Elevation =70.74°
Hour Angle =01:22:16.97°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

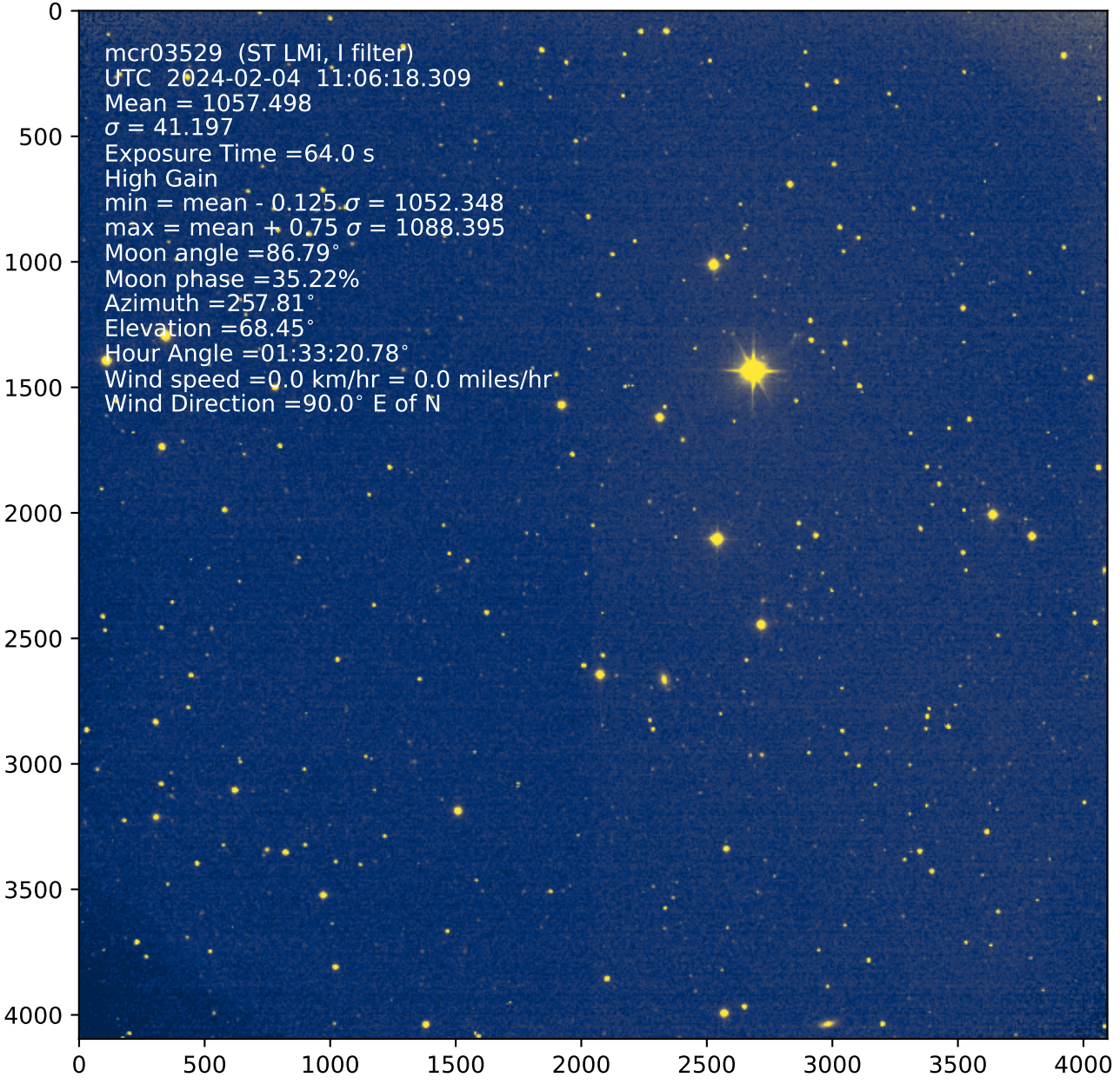

mcr03524 (ST LMi, R filter)
UTC 2024-02-04 10:57:12.439
Mean = 1061.074
σ = 40.268
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1056.04
max = mean + 0.75 σ = 1091.275
Moon angle =86.72°
Moon phase =35.28%
Azimuth =255.42°
Elevation =70.34°
Hour Angle =01:24:13.28°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

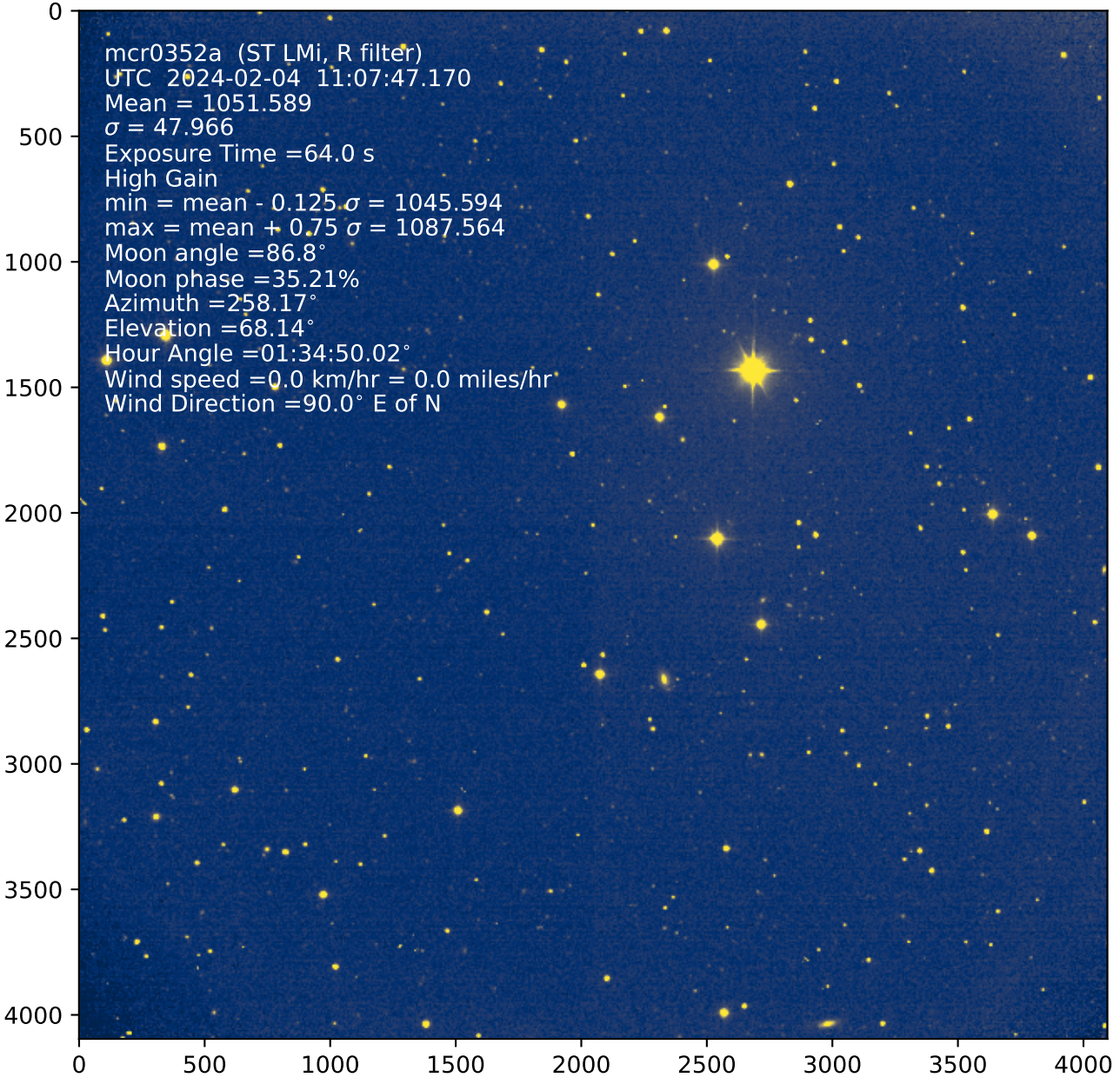

mcr03525 (ST LMi, G filter)
UTC 2024-02-04 10:59:26.589
Mean = 1067.134
σ = 29.752
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1063.415
max = mean + 0.75 σ = 1089.448
Moon angle =86.74°
Moon phase =35.26%
Azimuth =256.04°
Elevation =69.88°
Hour Angle =01:26:27.65°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

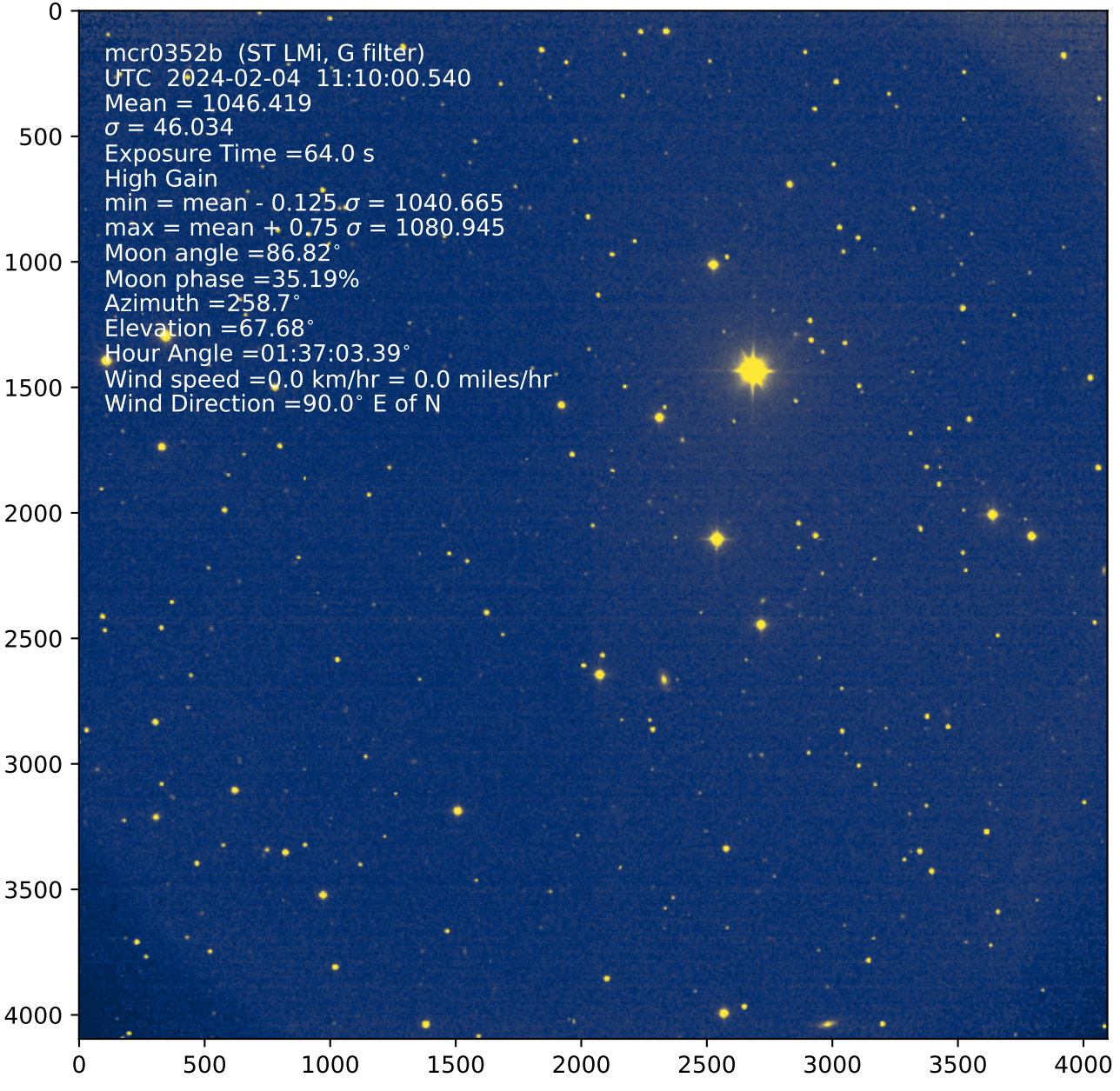

mcr03526 (ST LMi, I filter)
UTC 2024-02-04 11:01:00.430
Mean = 1079.930
σ = 27.765
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1076.459
max = mean + 0.75 σ = 1100.754
Moon angle =86.75°
Moon phase =35.25%
Azimuth =256.46°
Elevation =69.55°
Hour Angle =01:28:01.91°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

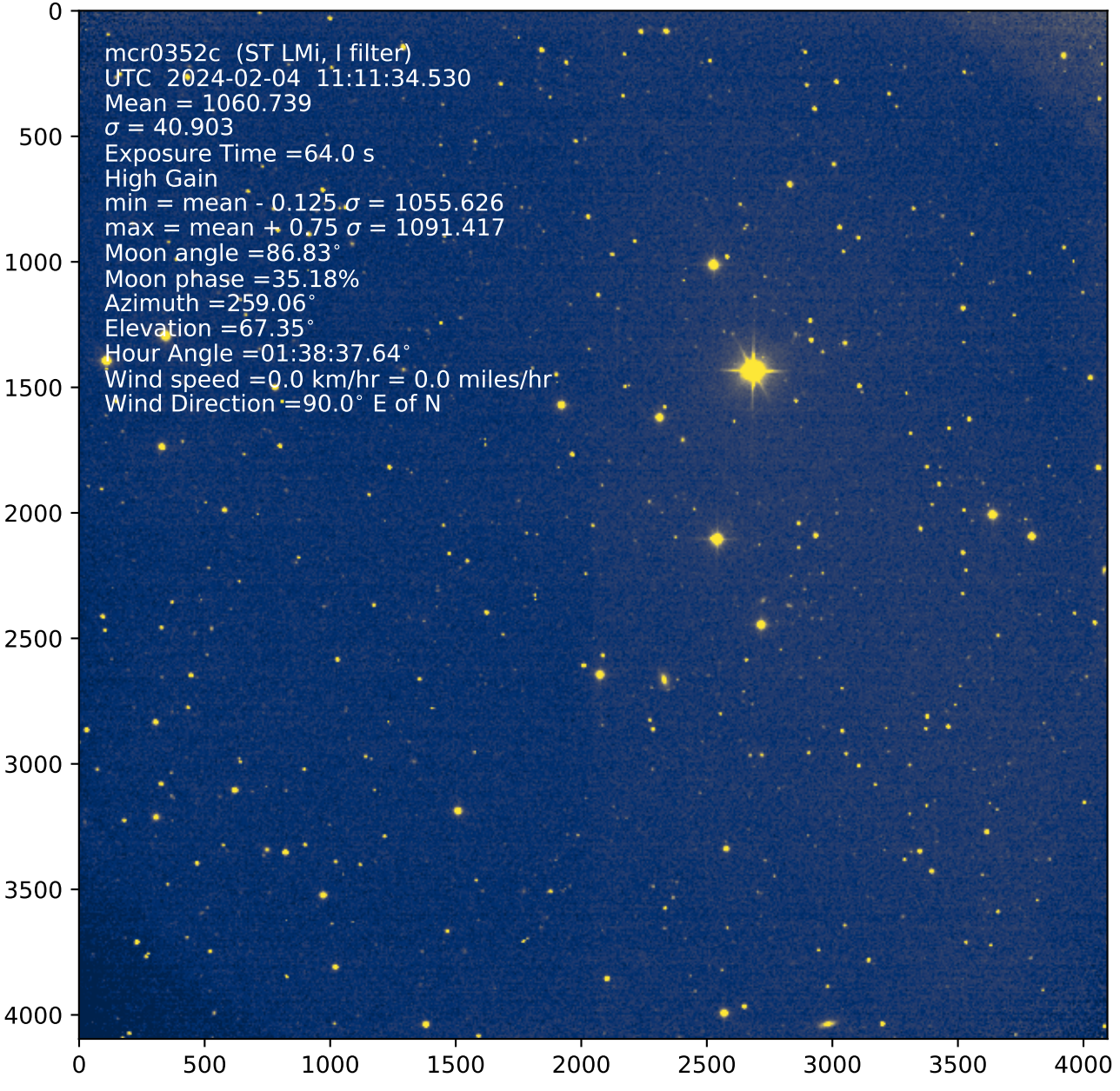

mcr03527 (ST LMi, R filter)
UTC 2024-02-04 11:02:29.100
Mean = 1063.423
σ = 40.201
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1058.398
max = mean + 0.75 σ = 1093.574
Moon angle =86.76°
Moon phase =35.24%
Azimuth =256.85°
Elevation =69.25°
Hour Angle =01:29:31.15°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

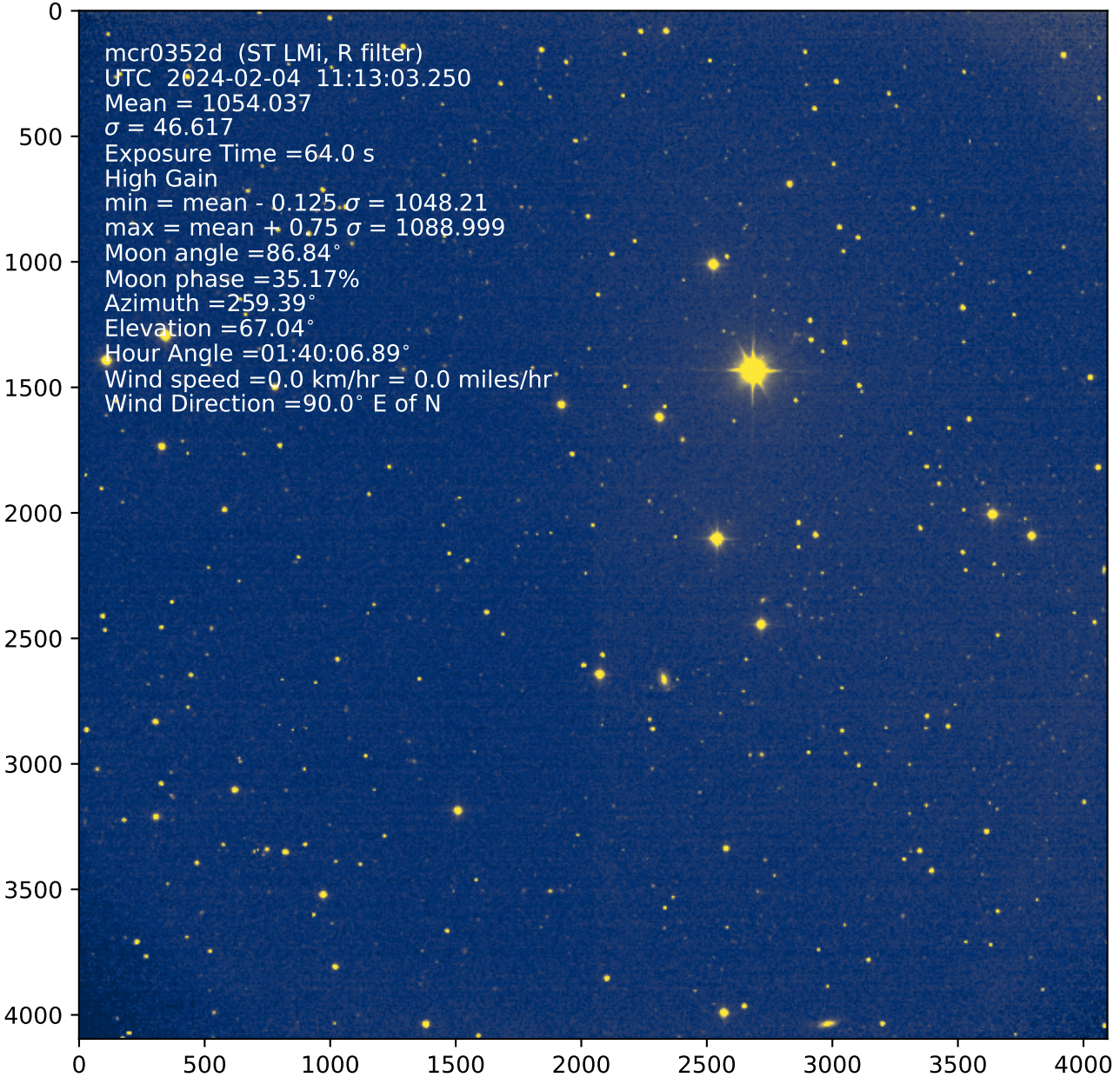

mcr03528 (ST LMi, G filter)
UTC 2024-02-04 11:04:44.520
Mean = 1048.523
σ = 39.977
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1043.526
max = mean + 0.75 σ = 1078.505
Moon angle =86.78°
Moon phase =35.23%
Azimuth =257.42°
Elevation =68.78°
Hour Angle =01:31:46.52°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

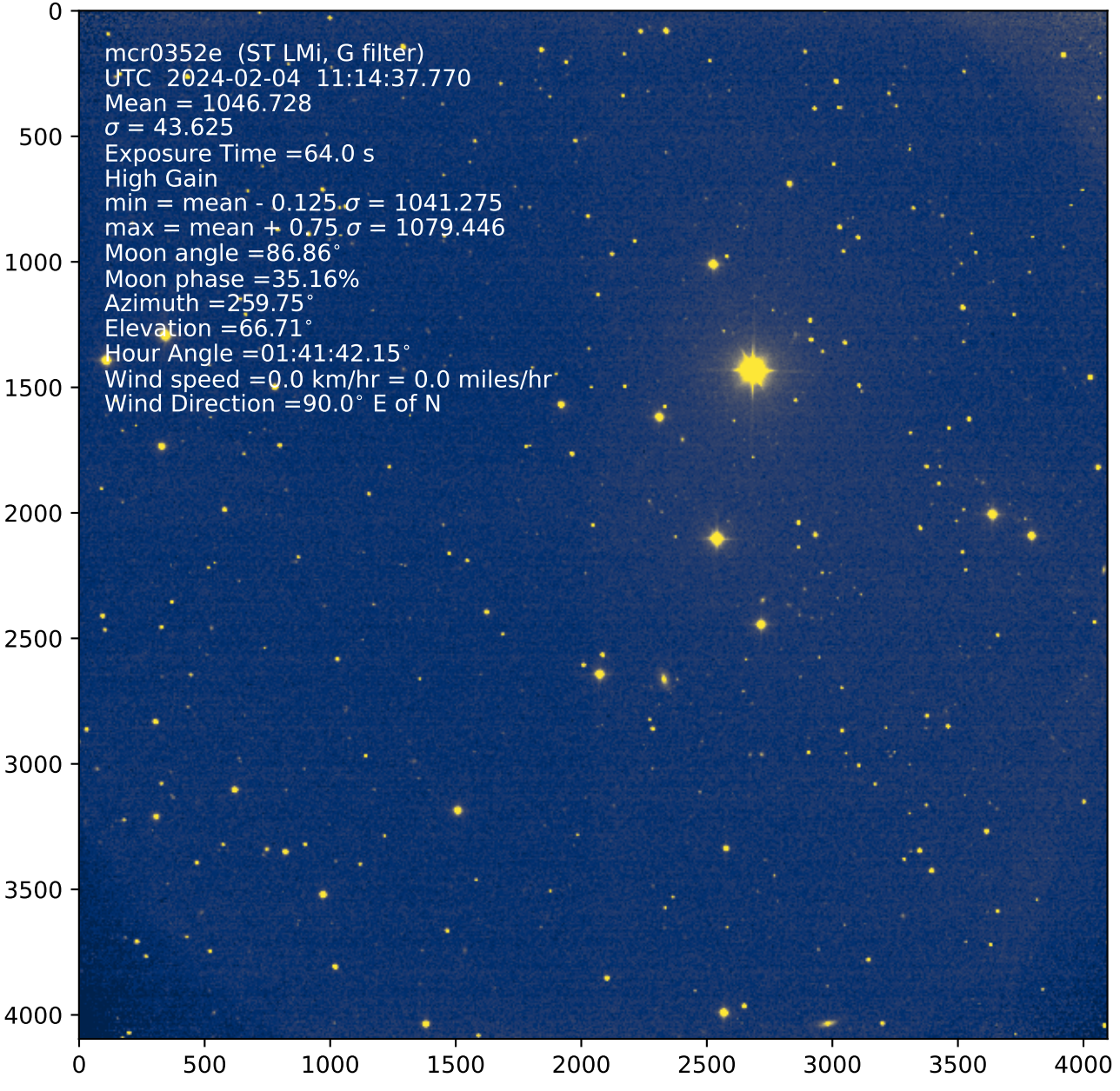

mcr03529 (ST LMi, I filter)
UTC 2024-02-04 11:06:18.309
Mean = 1057.498
σ = 41.197
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1052.348
max = mean + 0.75 σ = 1088.395
Moon angle =86.79°
Moon phase =35.22%
Azimuth =257.81°
Elevation =68.45°
Hour Angle =01:33:20.78°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

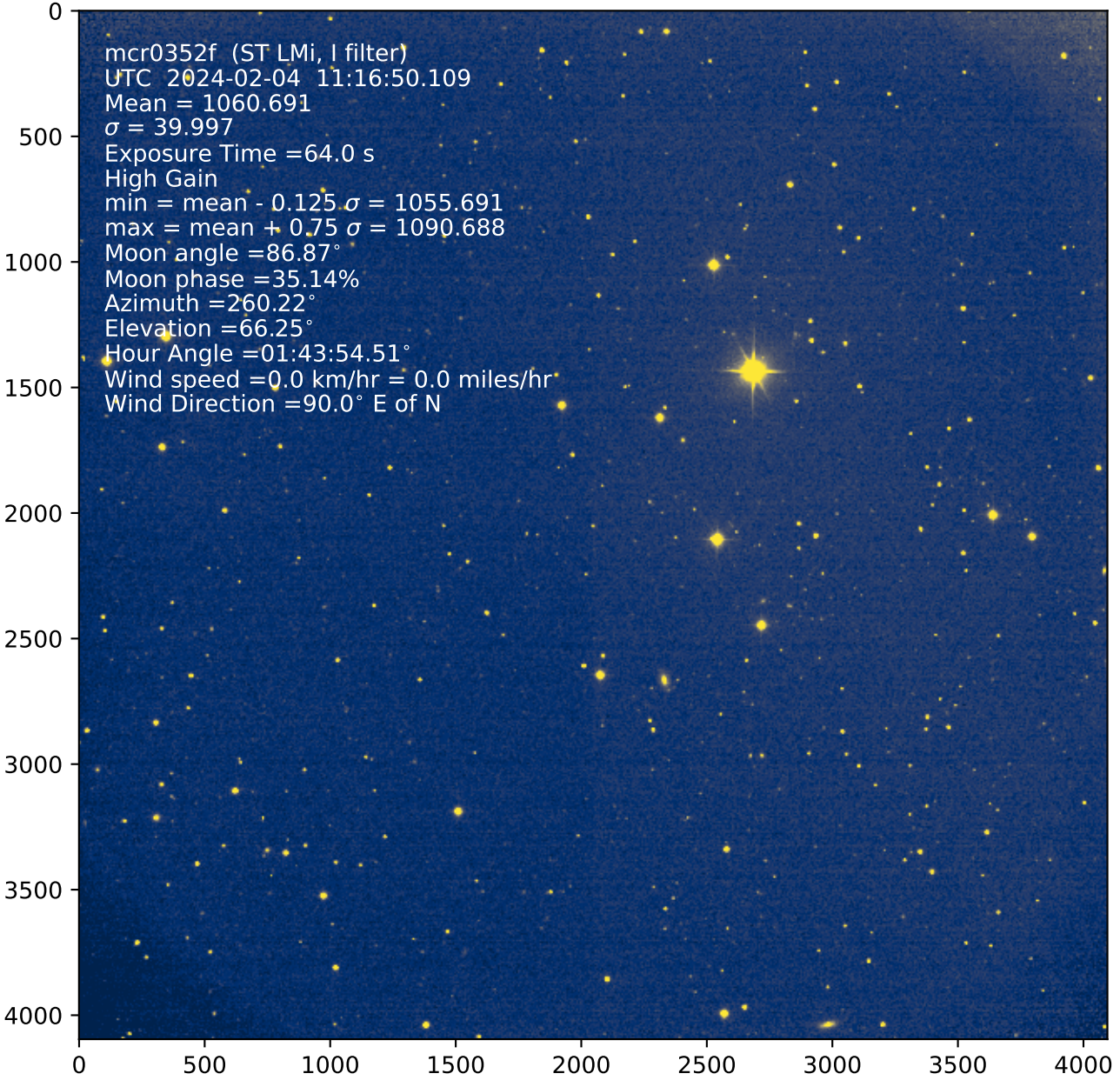

mcr0352a (ST LMi, R filter)
UTC 2024-02-04 11:07:47.170
Mean = 1051.589
σ = 47.966
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1045.594
max = mean + 0.75 σ = 1087.564
Moon angle =86.8°
Moon phase =35.21%
Azimuth =258.17°
Elevation =68.14°
Hour Angle =01:34:50.02°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

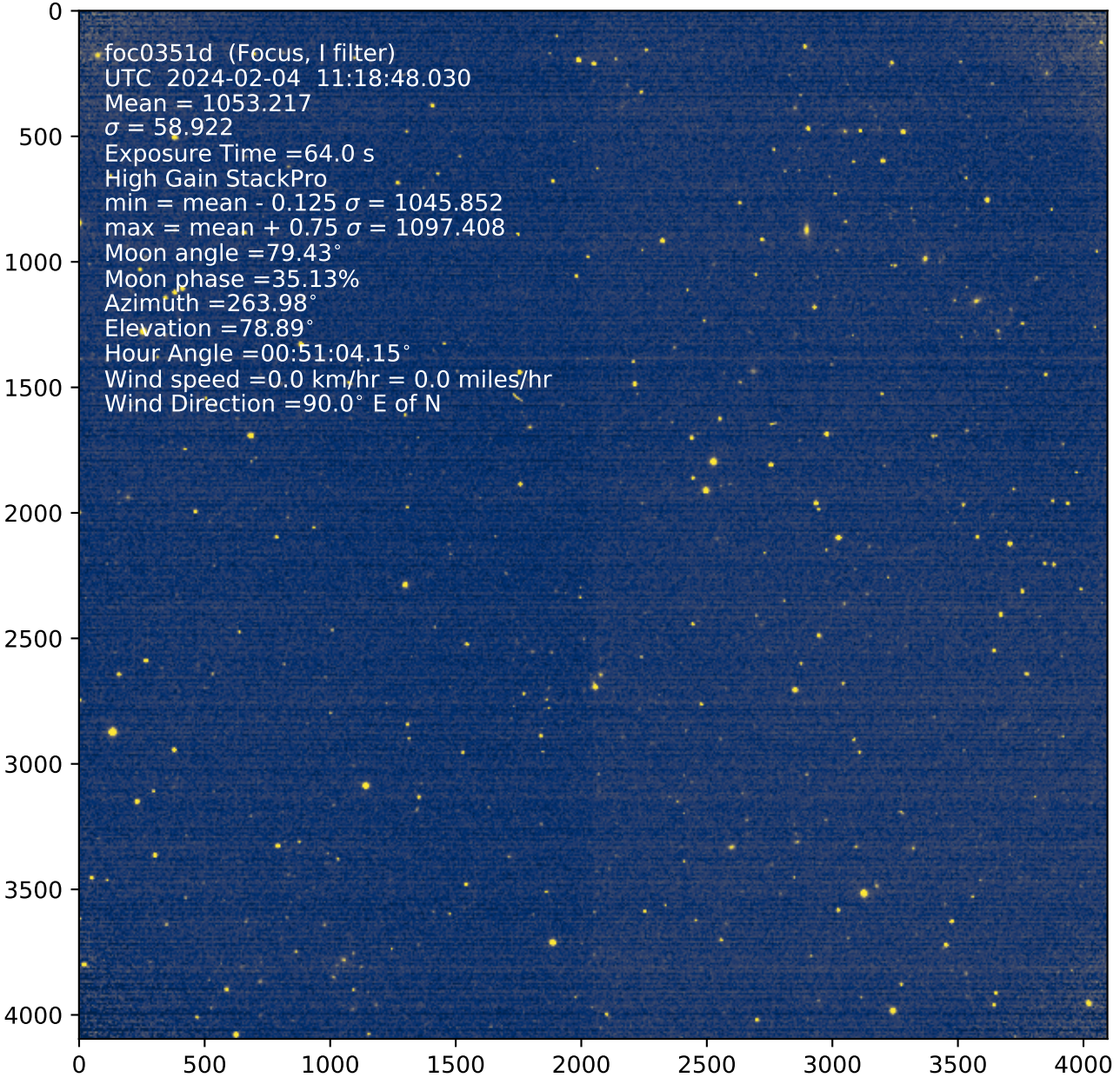

mcr0352b (ST LMi, G filter)
UTC 2024-02-04 11:10:00.540
Mean = 1046.419
σ = 46.034
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1040.665
max = mean + 0.75 σ = 1080.945
Moon angle =86.82°
Moon phase =35.19%
Azimuth =258.7°
Elevation =67.68°
Hour Angle =01:37:03.39°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

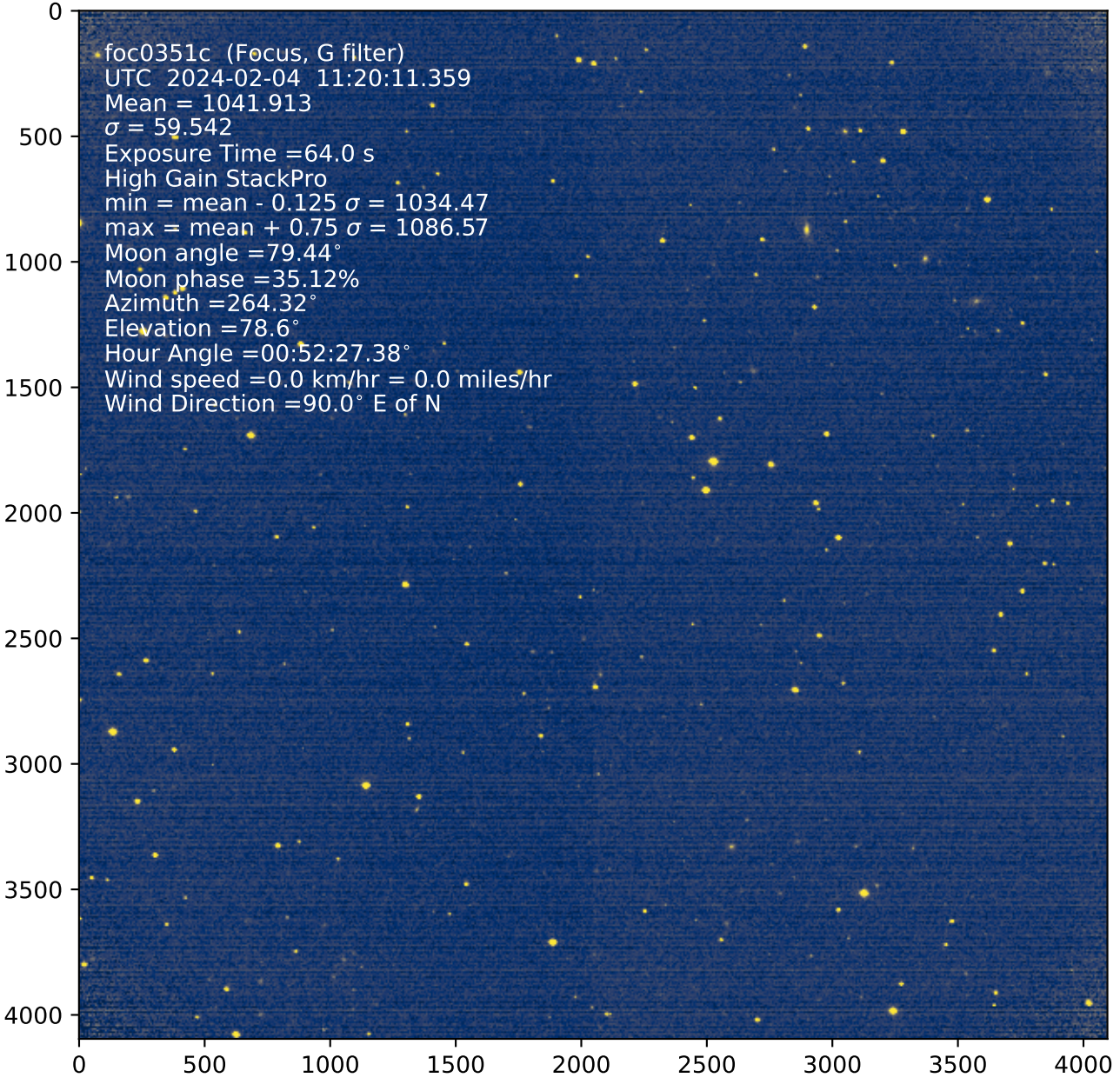

mcr0352c (ST LMi, I filter)
UTC 2024-02-04 11:11:34.530
Mean = 1060.739
σ = 40.903
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.626
max = mean + 0.75 σ = 1091.417
Moon angle =86.83°
Moon phase =35.18%
Azimuth =259.06°
Elevation =67.35°
Hour Angle =01:38:37.64°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

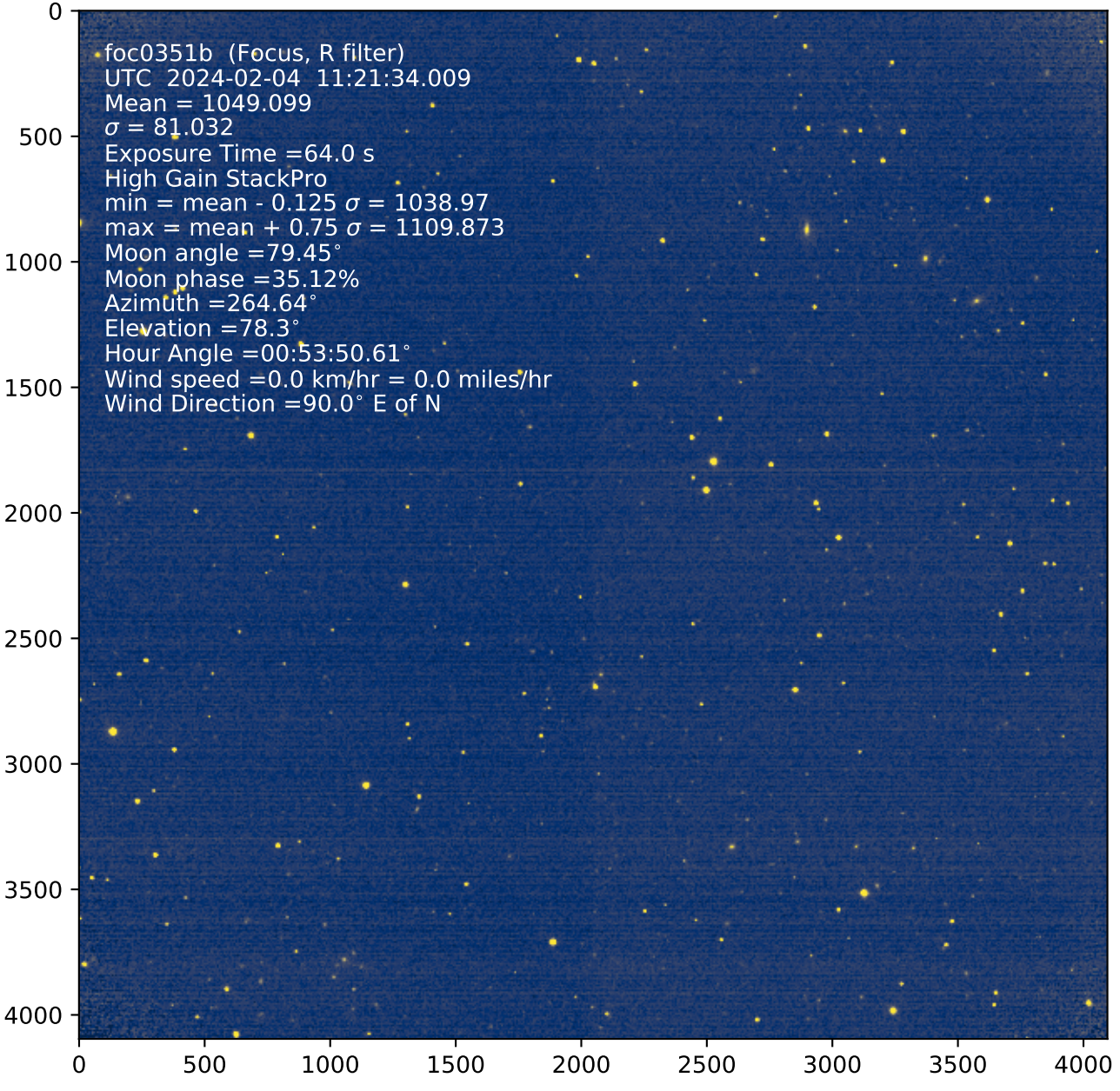

mcr0352d (ST LMi, R filter)
UTC 2024-02-04 11:13:03.250
Mean = 1054.037
σ = 46.617
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1048.21
max = mean + 0.75 σ = 1088.999
Moon angle =86.84°
Moon phase =35.17%
Azimuth =259.39°
Elevation =67.04°
Hour Angle =01:40:06.89°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

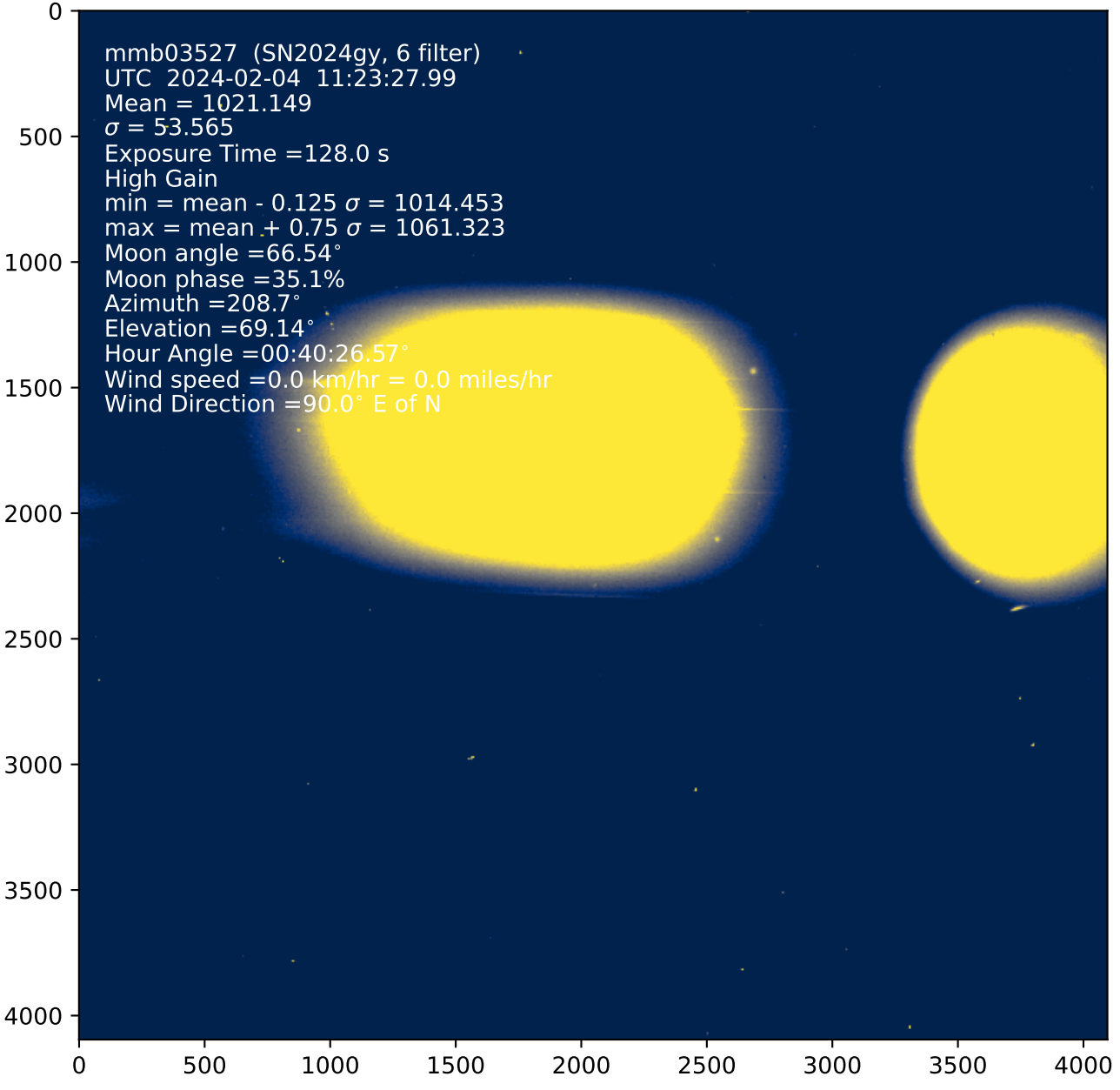

mcr0352e (ST LMi, G filter)
UTC 2024-02-04 11:14:37.770
Mean = 1046.728
σ = 43.625
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1041.275
max = mean + 0.75 σ = 1079.446
Moon angle =86.86°
Moon phase =35.16%
Azimuth =259.75°
Elevation =66.71°
Hour Angle =01:41:42.15°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

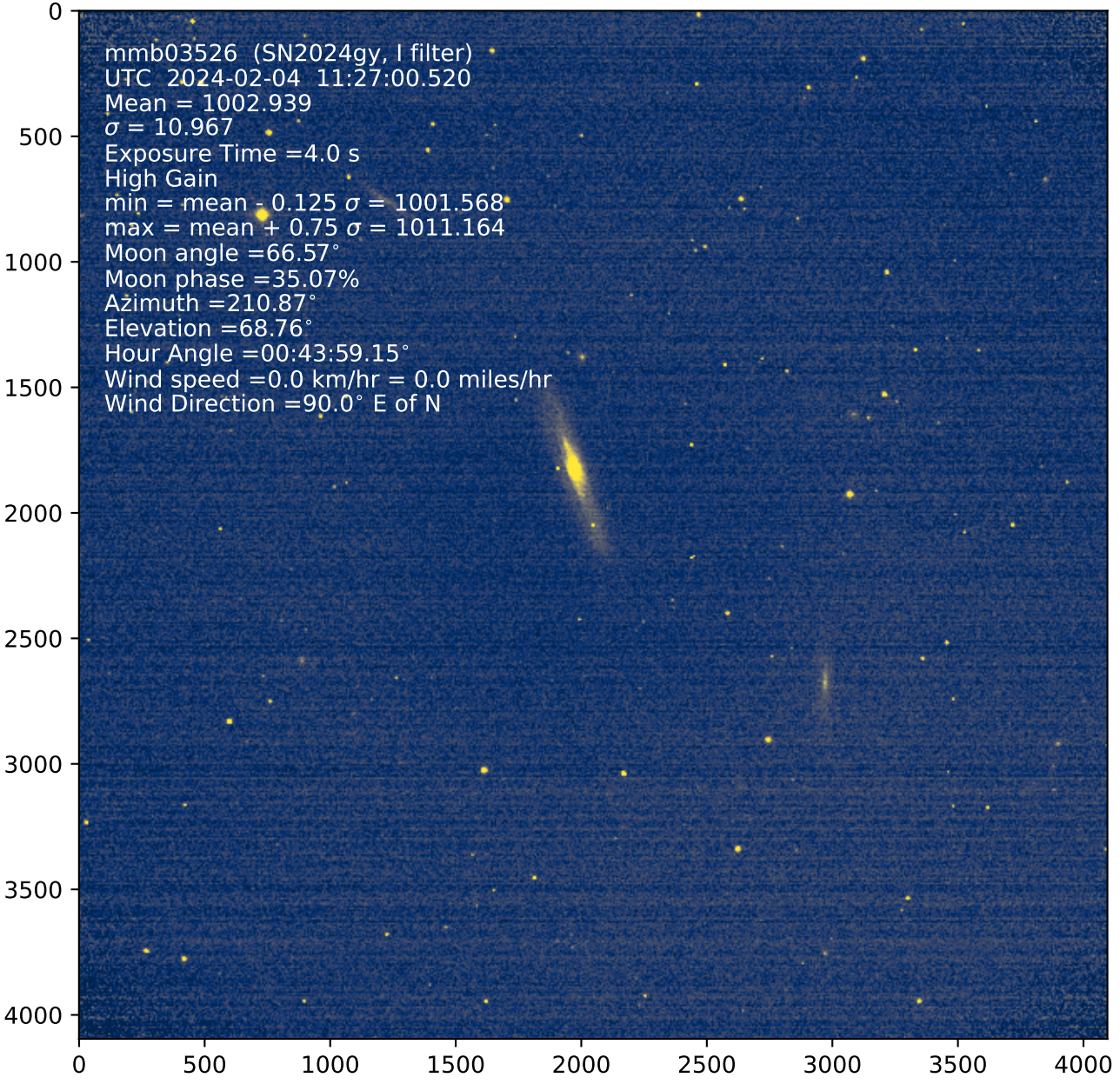

mcr0352f (ST LMi, I filter)
UTC 2024-02-04 11:16:50.109
Mean = 1060.691
σ = 39.997
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.691
max = mean + 0.75 σ = 1090.688
Moon angle =86.87°
Moon phase =35.14%
Azimuth =260.22°
Elevation =66.25°
Hour Angle =01:43:54.51°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

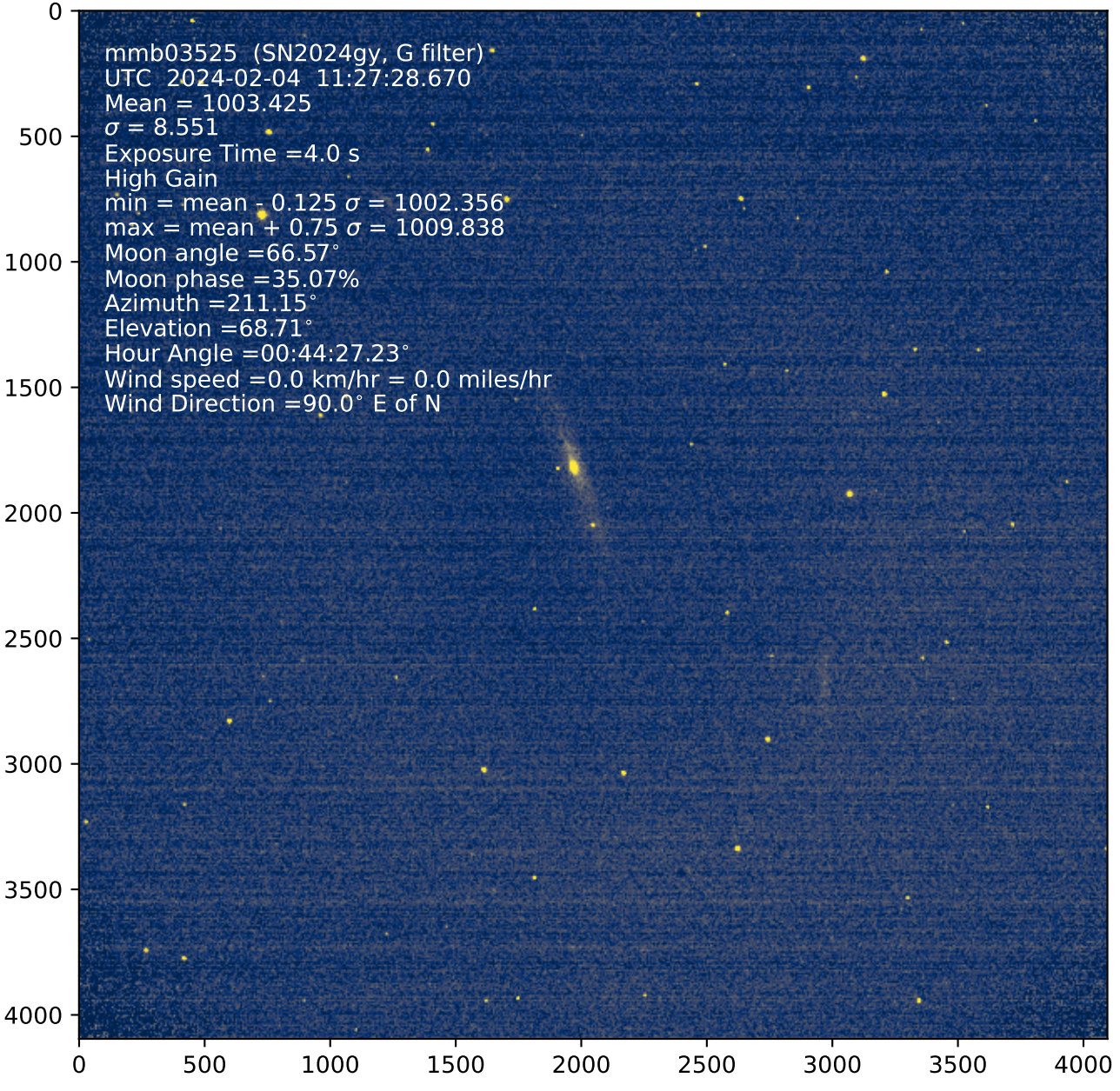

foc0351d (Focus, I filter)
UTC 2024-02-04 11:18:48.030
Mean = 1053.217
σ = 58.922
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1045.852
max = mean + 0.75 σ = 1097.408
Moon angle =79.43°
Moon phase =35.13%
Azimuth =263.98°
Elevation =78.89°
Hour Angle =00:51:04.15°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

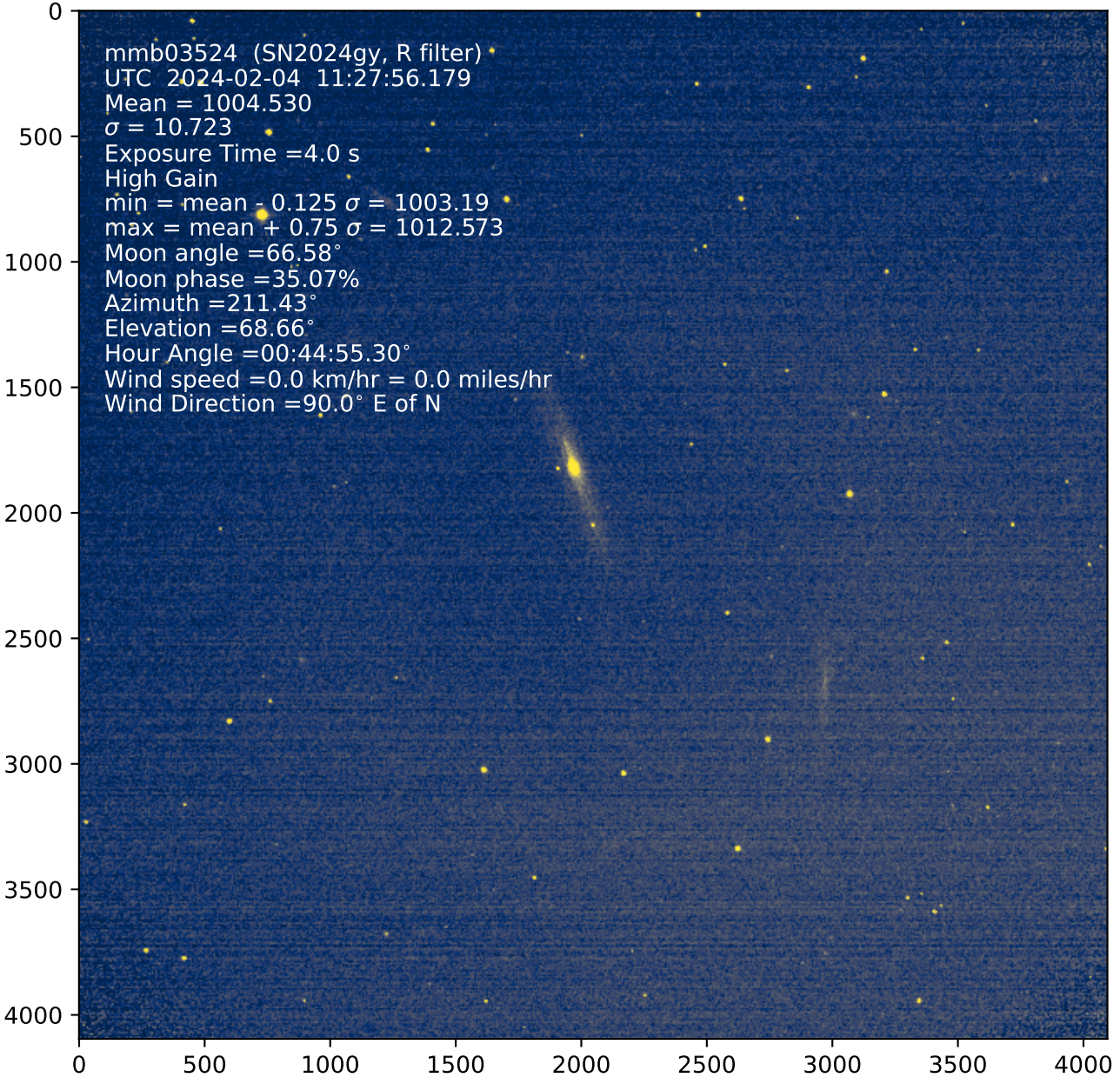

foc0351c (Focus, G filter)
UTC 2024-02-04 11:20:11.359
Mean = 1041.913
σ = 59.542
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1034.47
max = mean + 0.75 σ = 1086.57
Moon angle =79.44°
Moon phase =35.12%
Azimuth =264.32°
Elevation =78.6°
Hour Angle =00:52:27.38°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

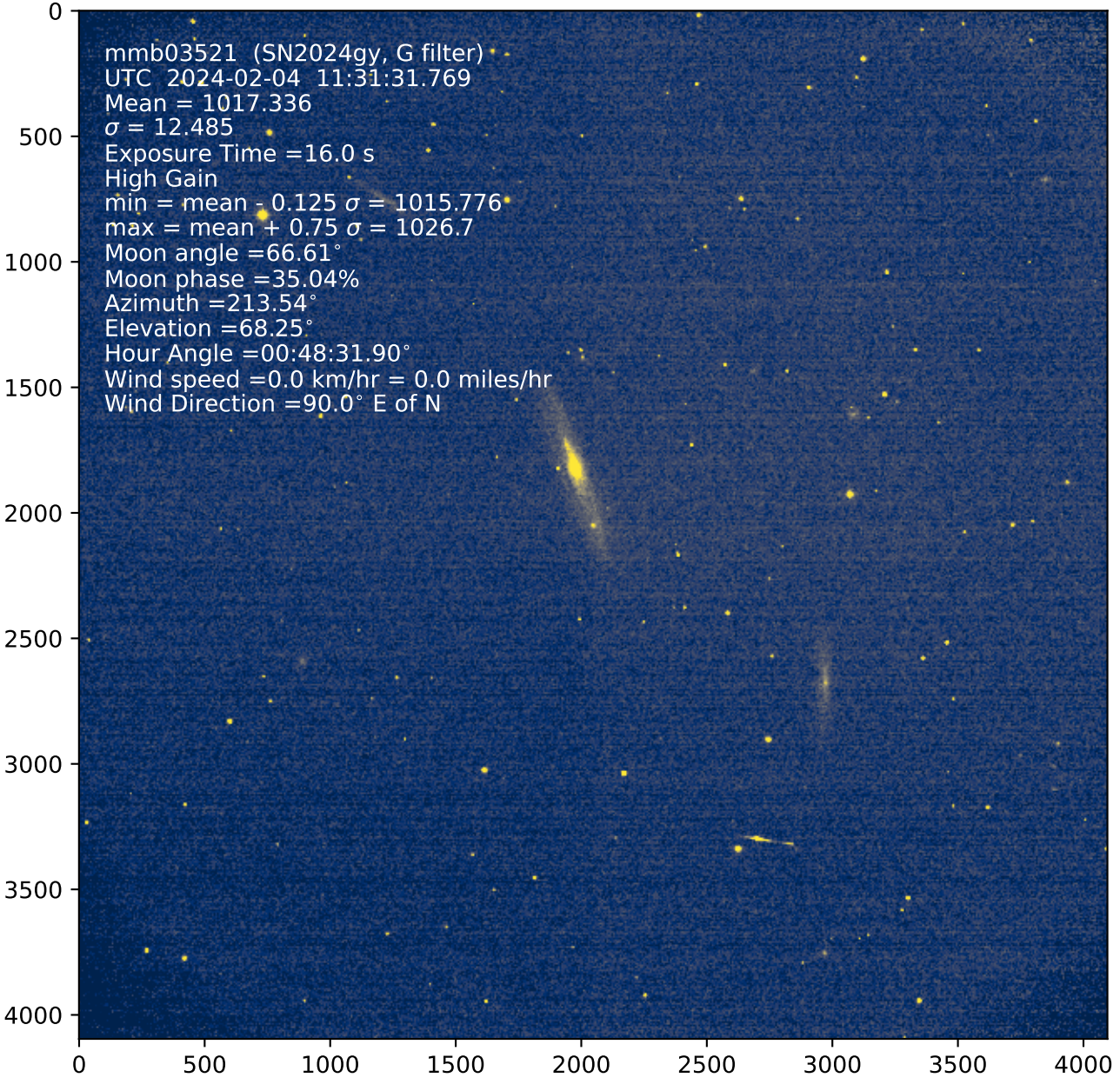

foc0351b (Focus, R filter)
UTC 2024-02-04 11:21:34.009
Mean = 1049.099
σ = 81.032
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1038.97
max = mean + 0.75 σ = 1109.873
Moon angle =79.45°
Moon phase =35.12%
Azimuth =264.64°
Elevation =78.3°
Hour Angle =00:53:50.61°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

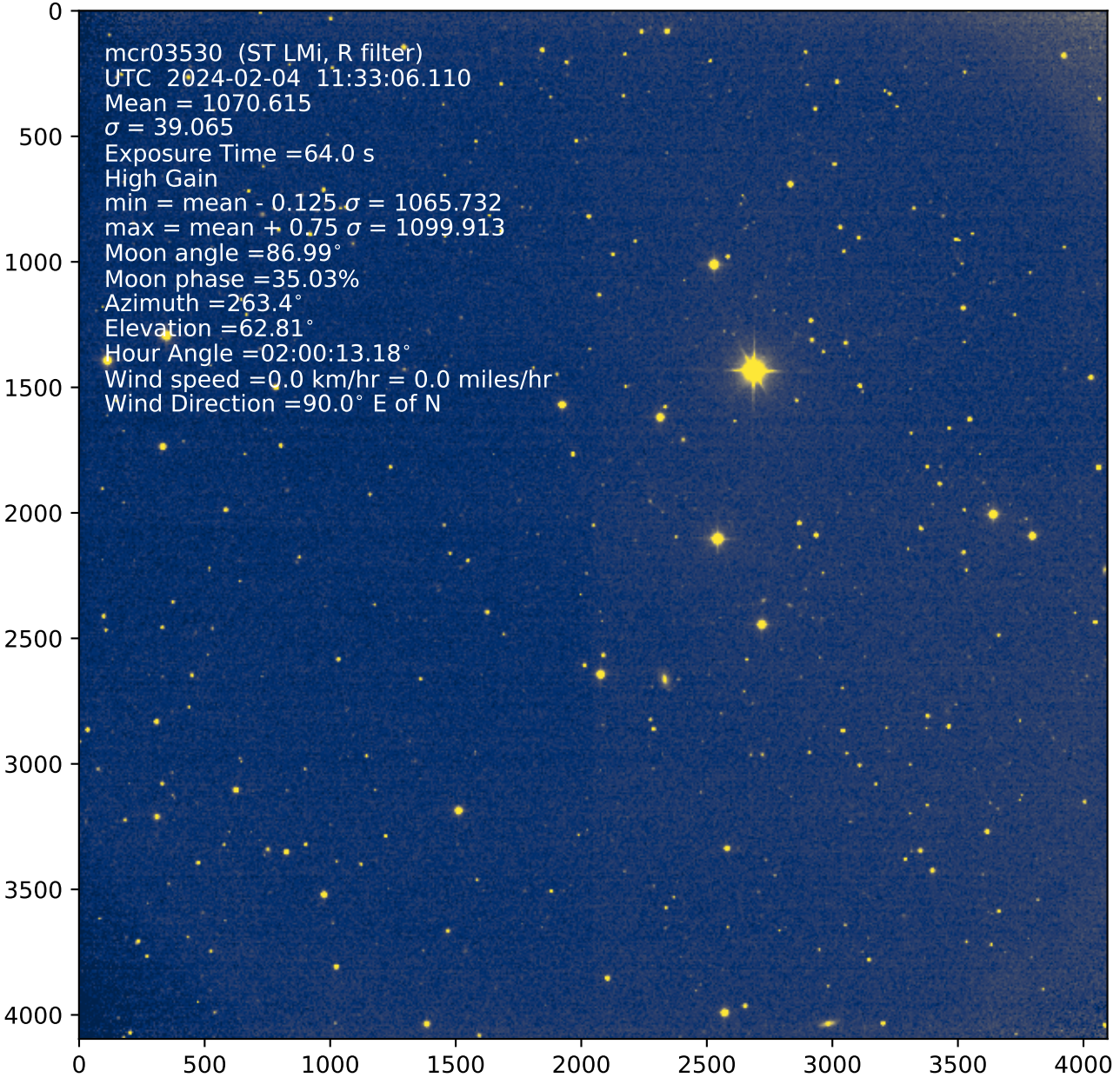

mmb03527 (SN2024gy, 6 filter)
UTC 2024-02-04 11:23:27.99
Mean = 1021.149
σ = 53.565
Exposure Time =128.0 s
High Gain
min = mean - 0.125 σ = 1014.453
max = mean + 0.75 σ = 1061.323
Moon angle =66.54°
Moon phase =35.1%
Azimuth =208.7°
Elevation =69.14°
Hour Angle =00:40:26.57°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

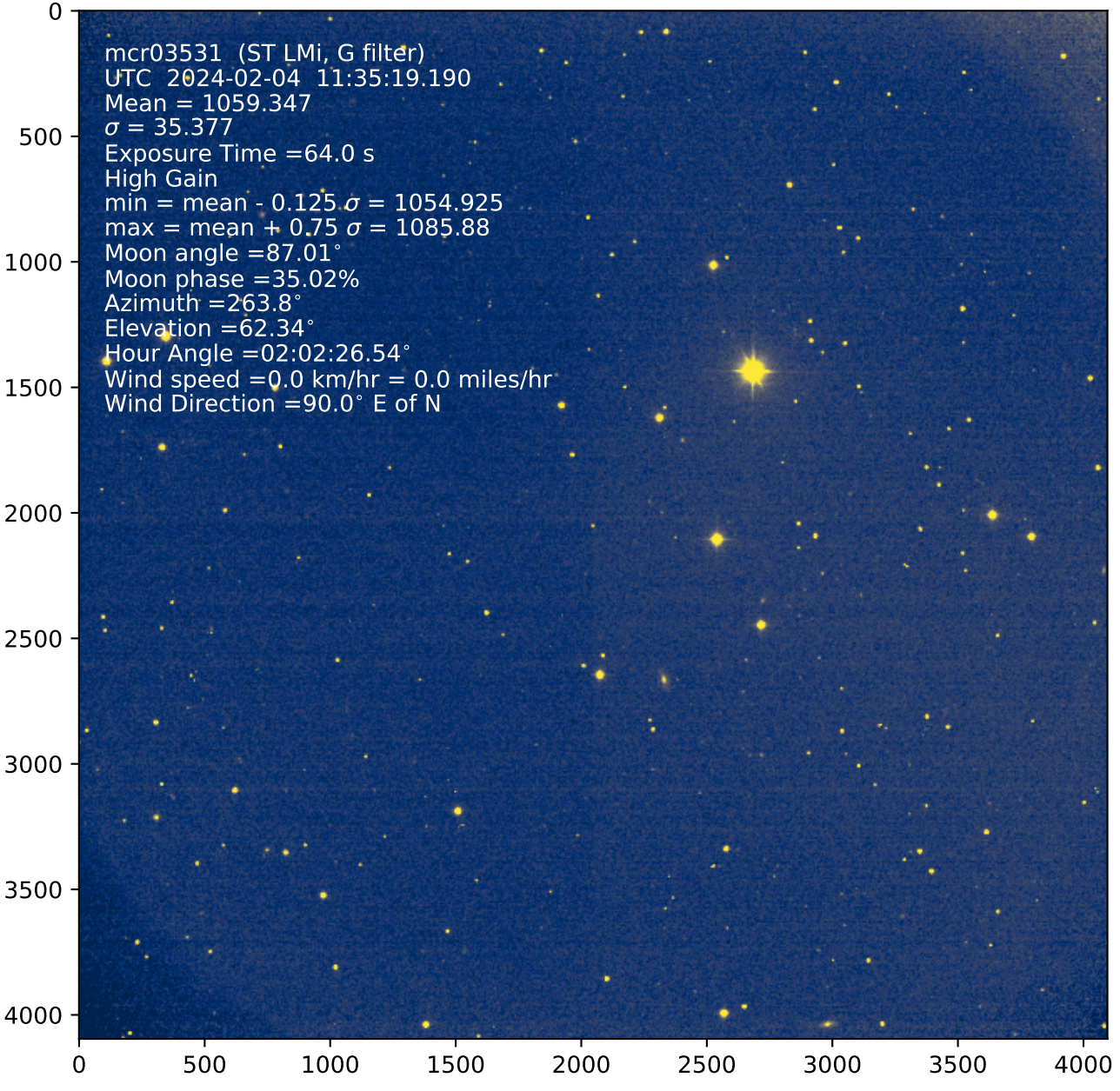

mmb03526 (SN2024gy, I filter)
UTC 2024-02-04 11:27:00.520
Mean = 1002.939
σ = 10.967
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1001.568
max = mean + 0.75 σ = 1011.164
Moon angle =66.57°
Moon phase =35.07%
Azimuth =210.87°
Elevation =68.76°
Hour Angle =00:43:59.15°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

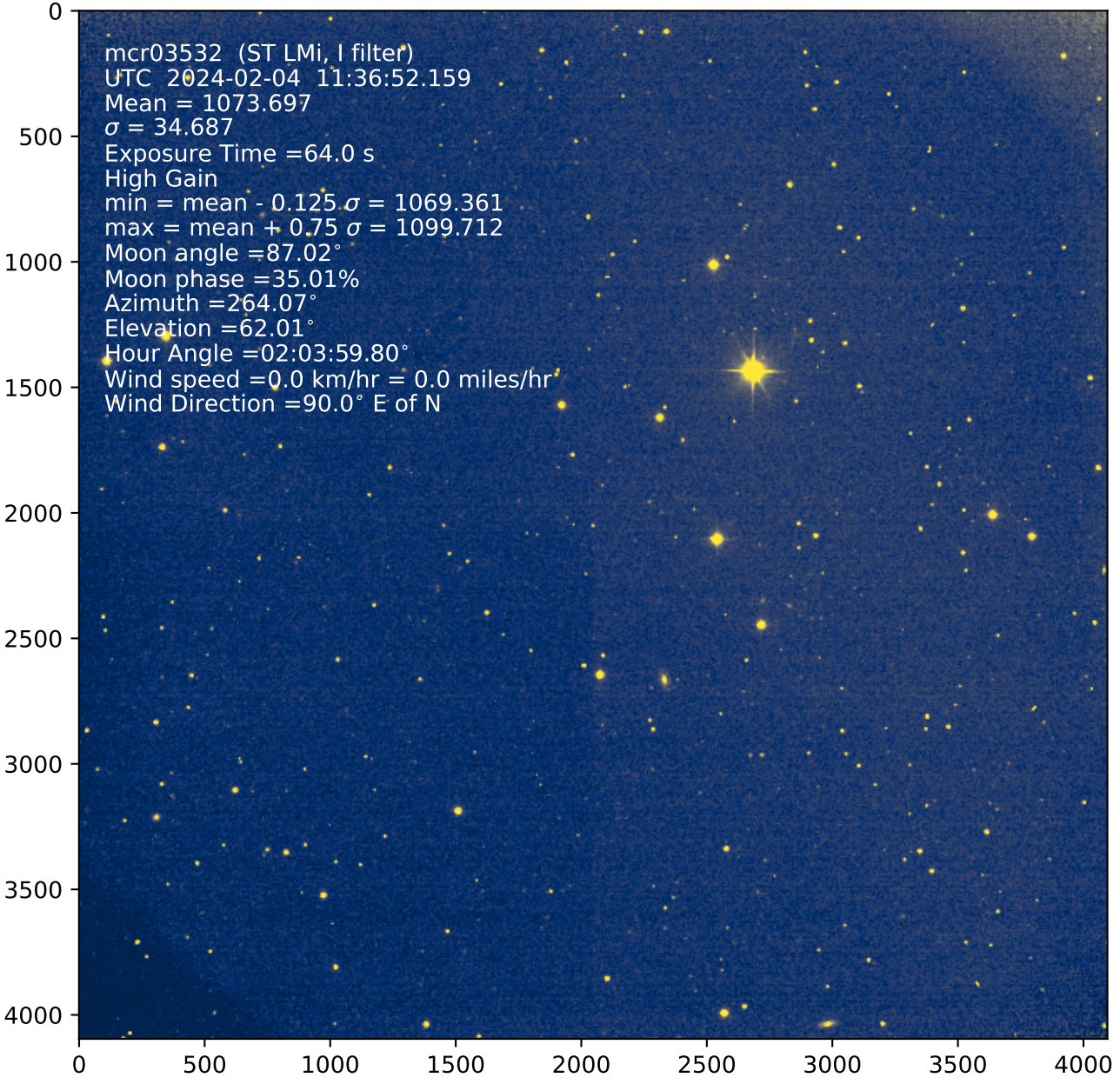

mmb03525 (SN2024gy, G filter)
UTC 2024-02-04 11:27:28.670
Mean = 1003.425
σ = 8.551
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1002.356
max = mean + 0.75 σ = 1009.838
Moon angle =66.57°
Moon phase =35.07%
Azimuth =211.15°
Elevation =68.71°
Hour Angle =00:44:27.23°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

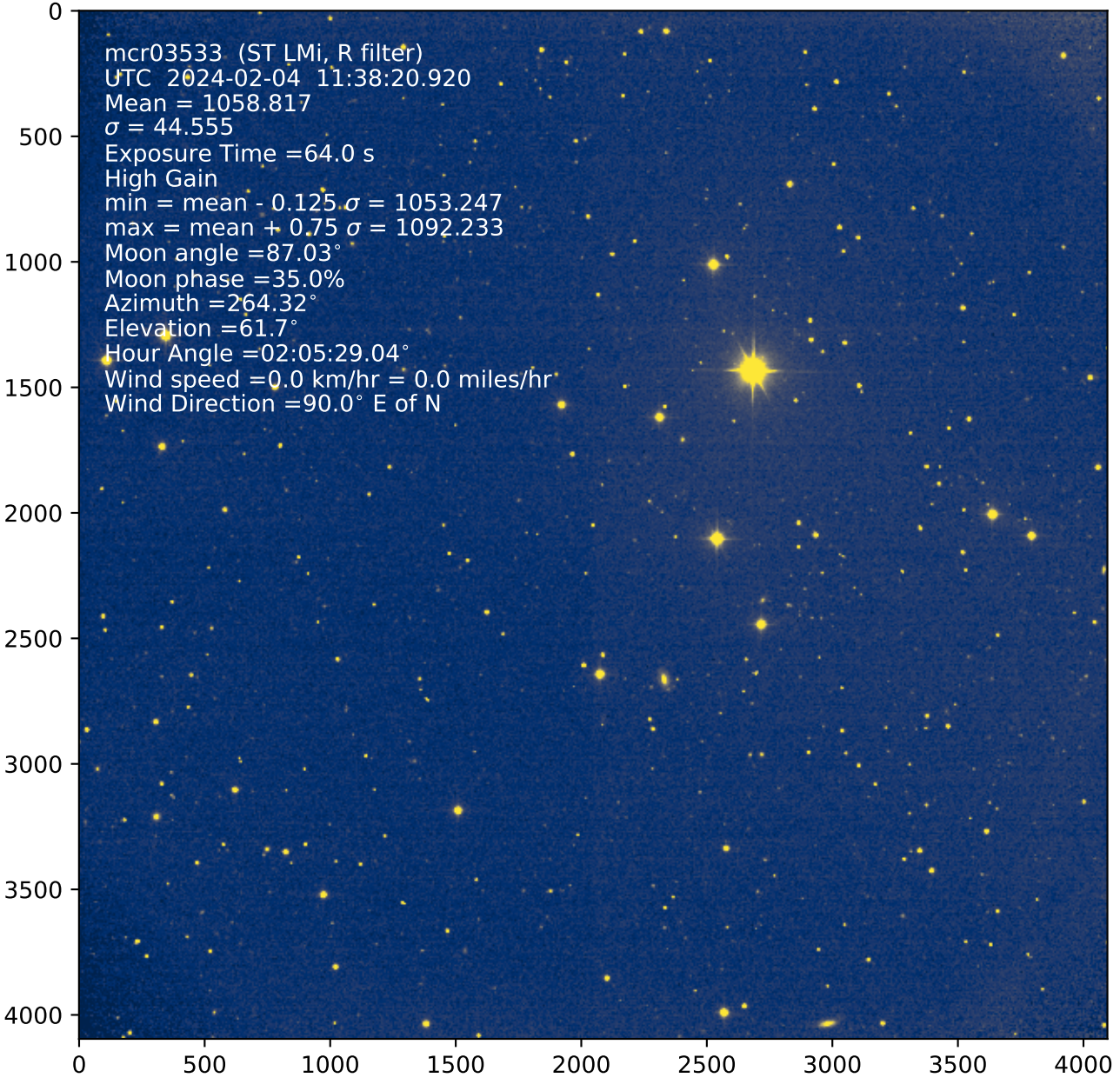

mmb03524 (SN2024gy, R filter)
UTC 2024-02-04 11:27:56.179
Mean = 1004.530
σ = 10.723
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1003.19
max = mean + 0.75 σ = 1012.573
Moon angle =66.58°
Moon phase =35.07%
Azimuth =211.43°
Elevation =68.66°
Hour Angle =00:44:55.30°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

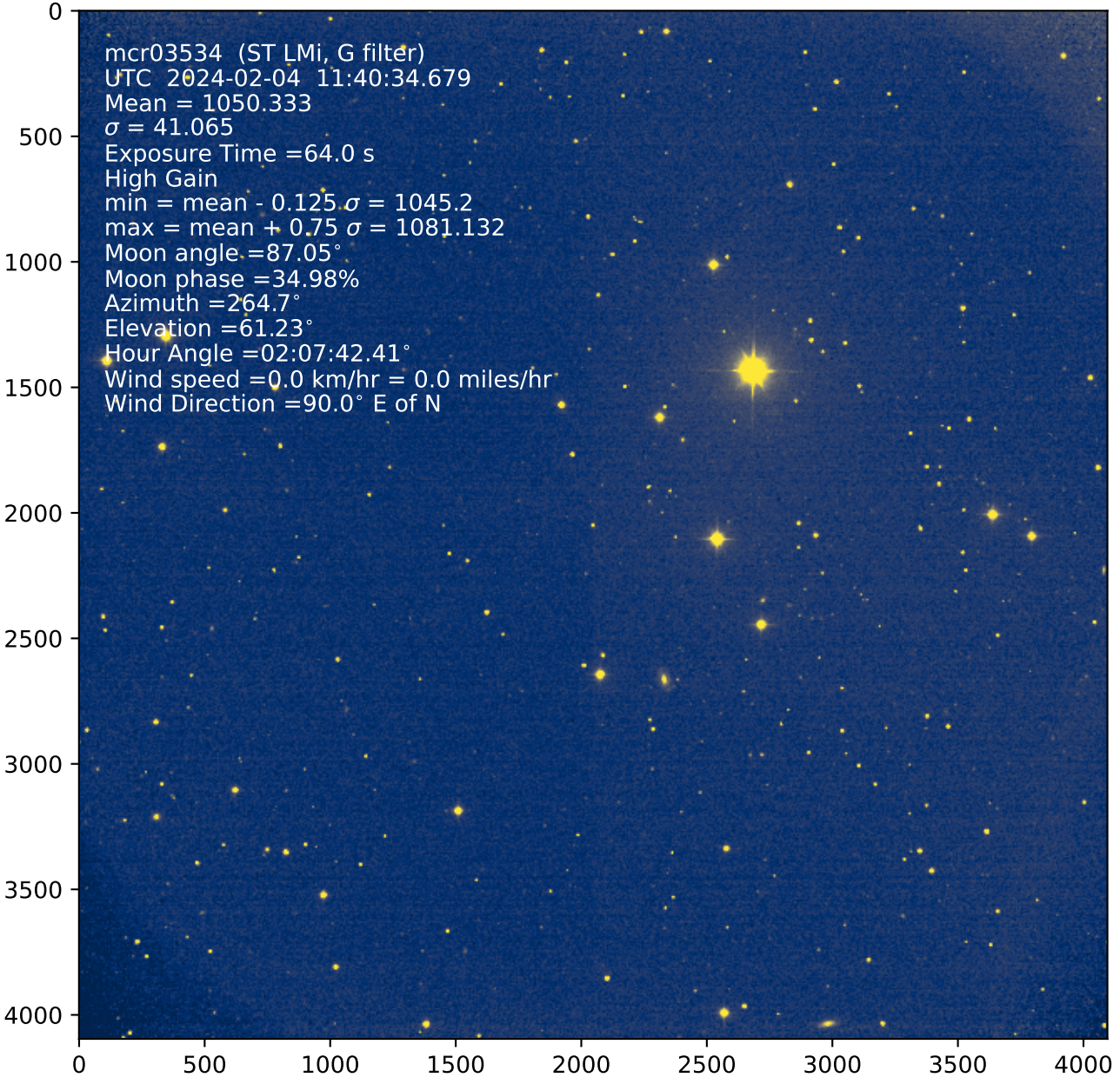

mmb03521 (SN2024gy, G filter)
UTC 2024-02-04 11:31:31.769
Mean = 1017.336
σ = 12.485
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1015.776
max = mean + 0.75 σ = 1026.7
Moon angle =66.61°
Moon phase =35.04%
Azimuth =213.54°
Elevation =68.25°
Hour Angle =00:48:31.90°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

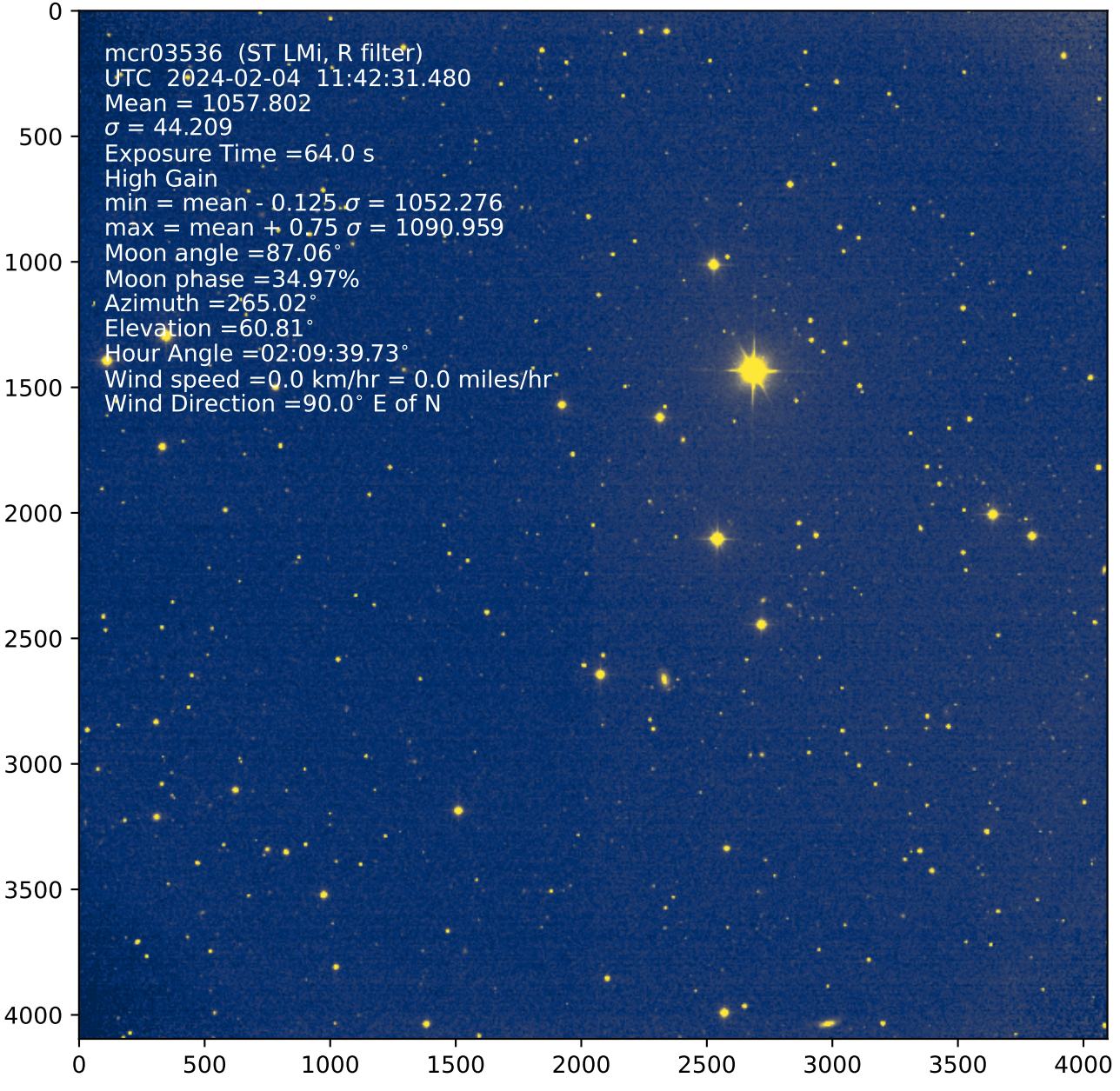

mcr03530 (ST LMi, R filter)
UTC 2024-02-04 11:33:06.110
Mean = 1070.615
σ = 39.065
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1065.732
max = mean + 0.75 σ = 1099.913
Moon angle =86.99°
Moon phase =35.03%
Azimuth =263.4°
Elevation =62.81°
Hour Angle =02:00:13.18°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

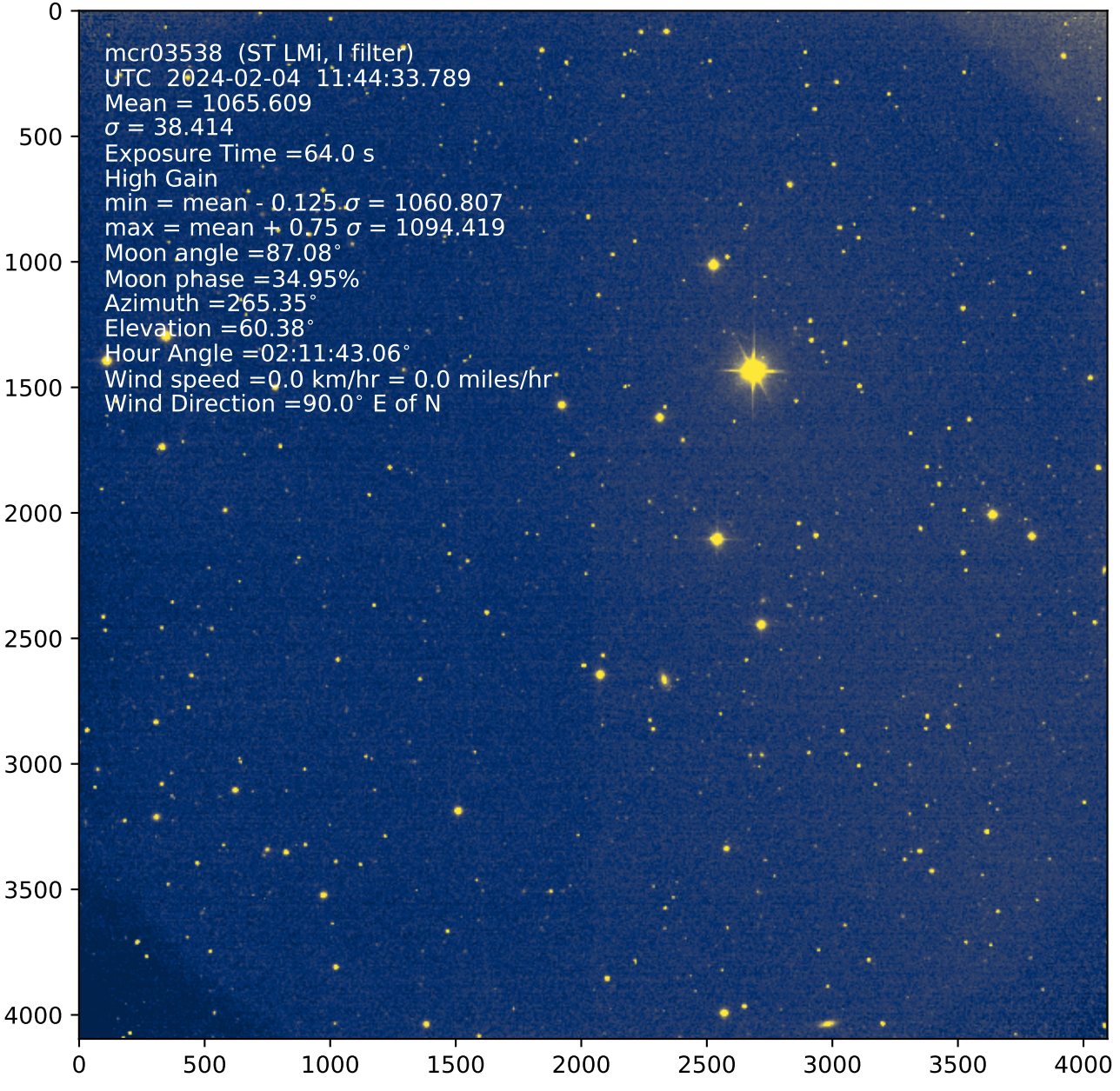

mcr03531 (ST LMi, G filter)
UTC 2024-02-04 11:35:19.190
Mean = 1059.347
σ = 35.377
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1054.925
max = mean + 0.75 σ = 1085.88
Moon angle =87.01°
Moon phase =35.02%
Azimuth =263.8°
Elevation =62.34°
Hour Angle =02:02:26.54°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

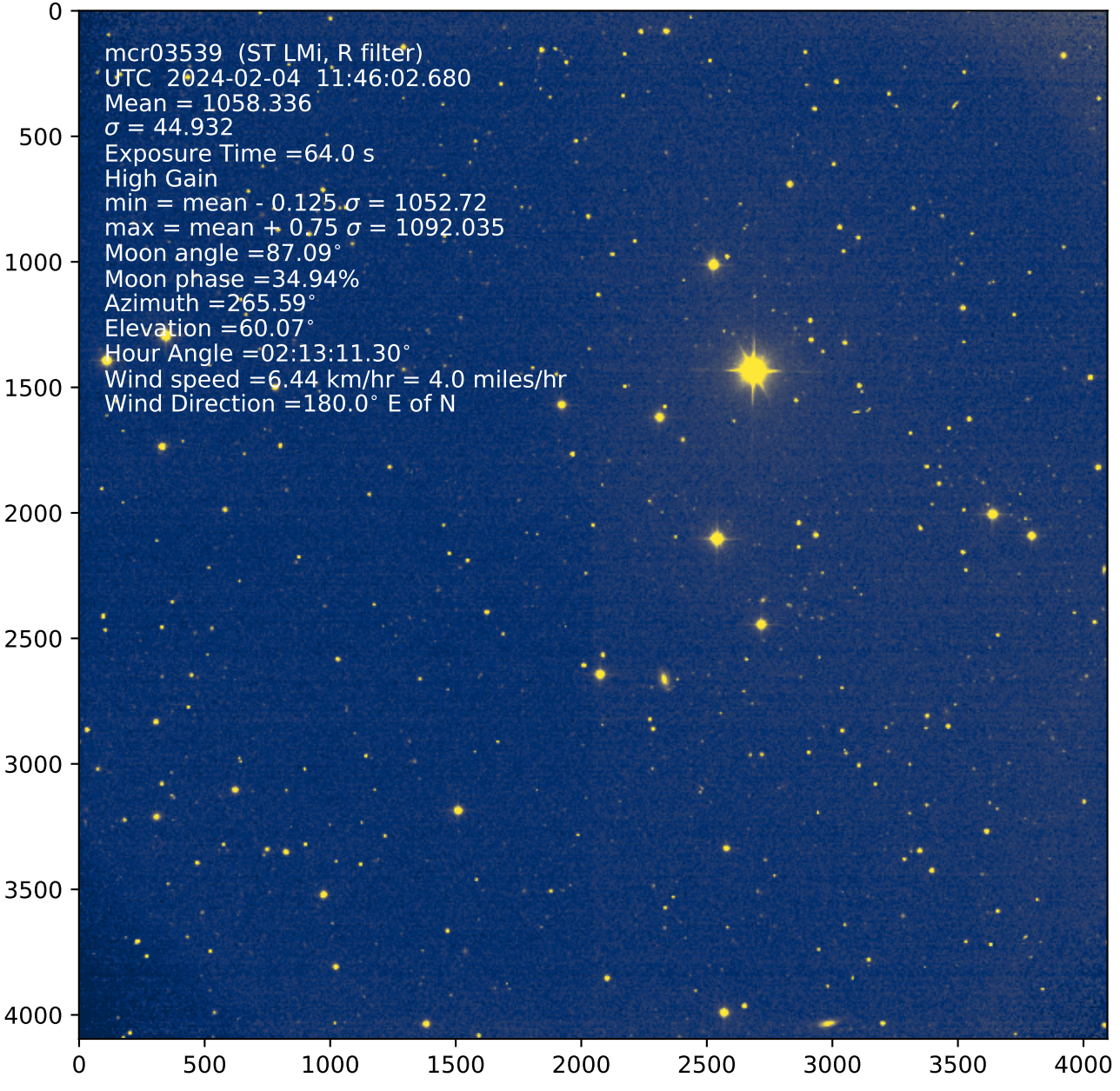

mcr03532 (ST LMi, I filter)
UTC 2024-02-04 11:36:52.159
Mean = 1073.697
σ = 34.687
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1069.361
max = mean + 0.75 σ = 1099.712
Moon angle =87.02°
Moon phase =35.01%
Azimuth =264.07°
Elevation =62.01°
Hour Angle =02:03:59.80°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

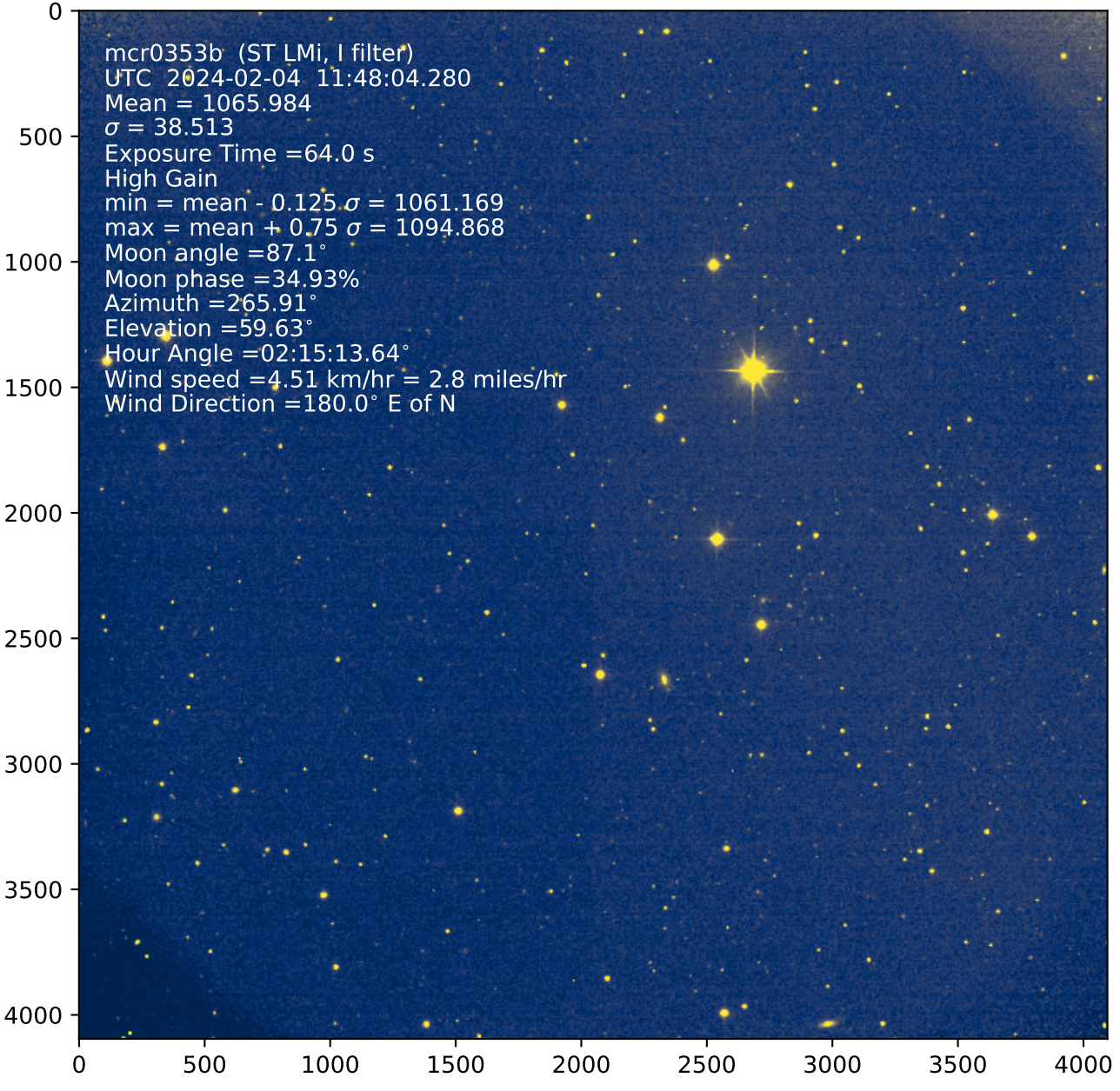

mcr03533 (ST LMi, R filter)
UTC 2024-02-04 11:38:20.920
Mean = 1058.817
σ = 44.555
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1053.247
max = mean + 0.75 σ = 1092.233
Moon angle =87.03°
Moon phase =35.0%
Azimuth =264.32°
Elevation =61.7°
Hour Angle =02:05:29.04°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

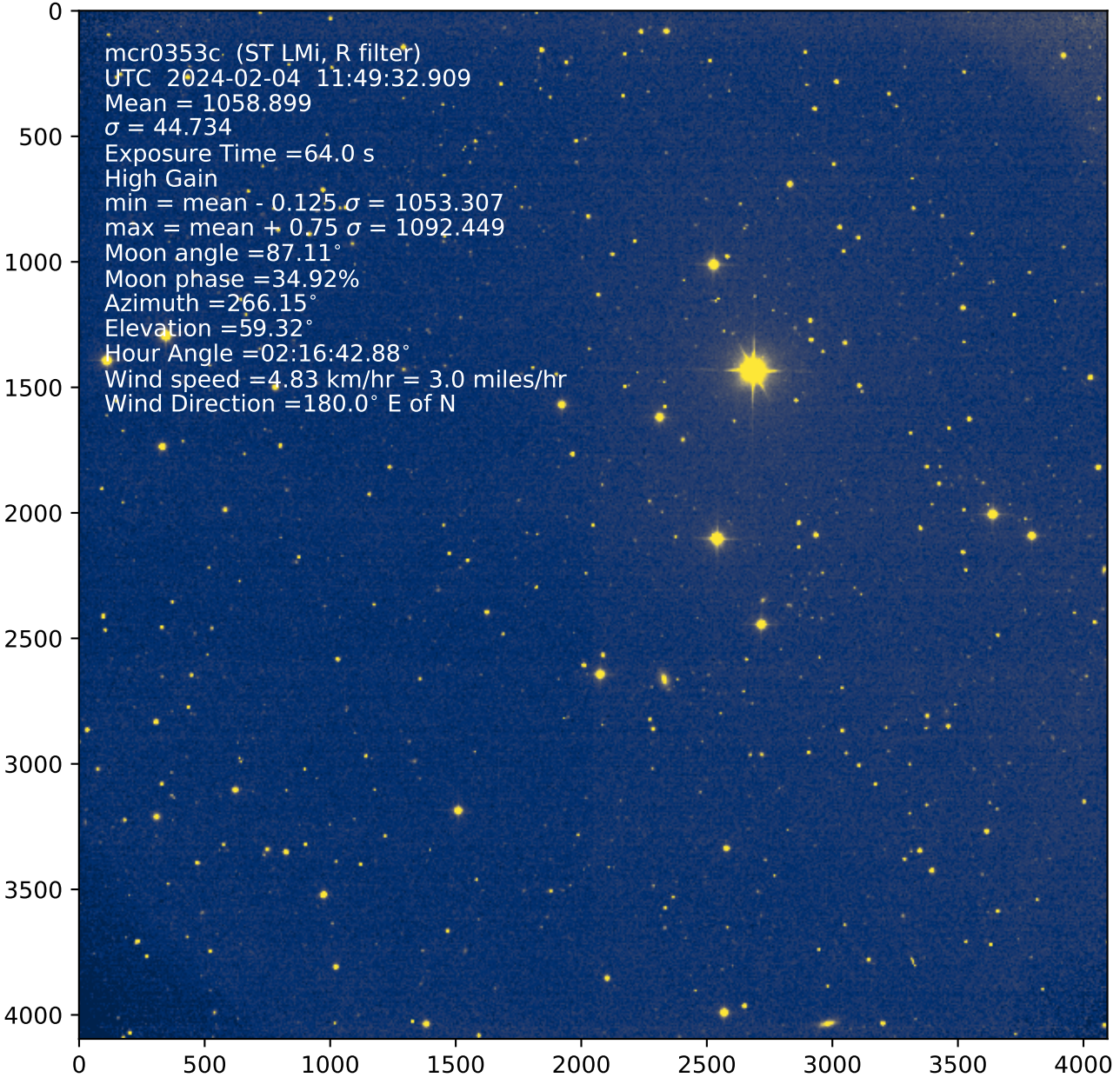

mcr03534 (ST LMi, G filter)
UTC 2024-02-04 11:40:34.679
Mean = 1050.333
σ = 41.065
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1045.2
max = mean + 0.75 σ = 1081.132
Moon angle =87.05°
Moon phase =34.98%
Azimuth =264.7°
Elevation =61.23°
Hour Angle =02:07:42.41°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

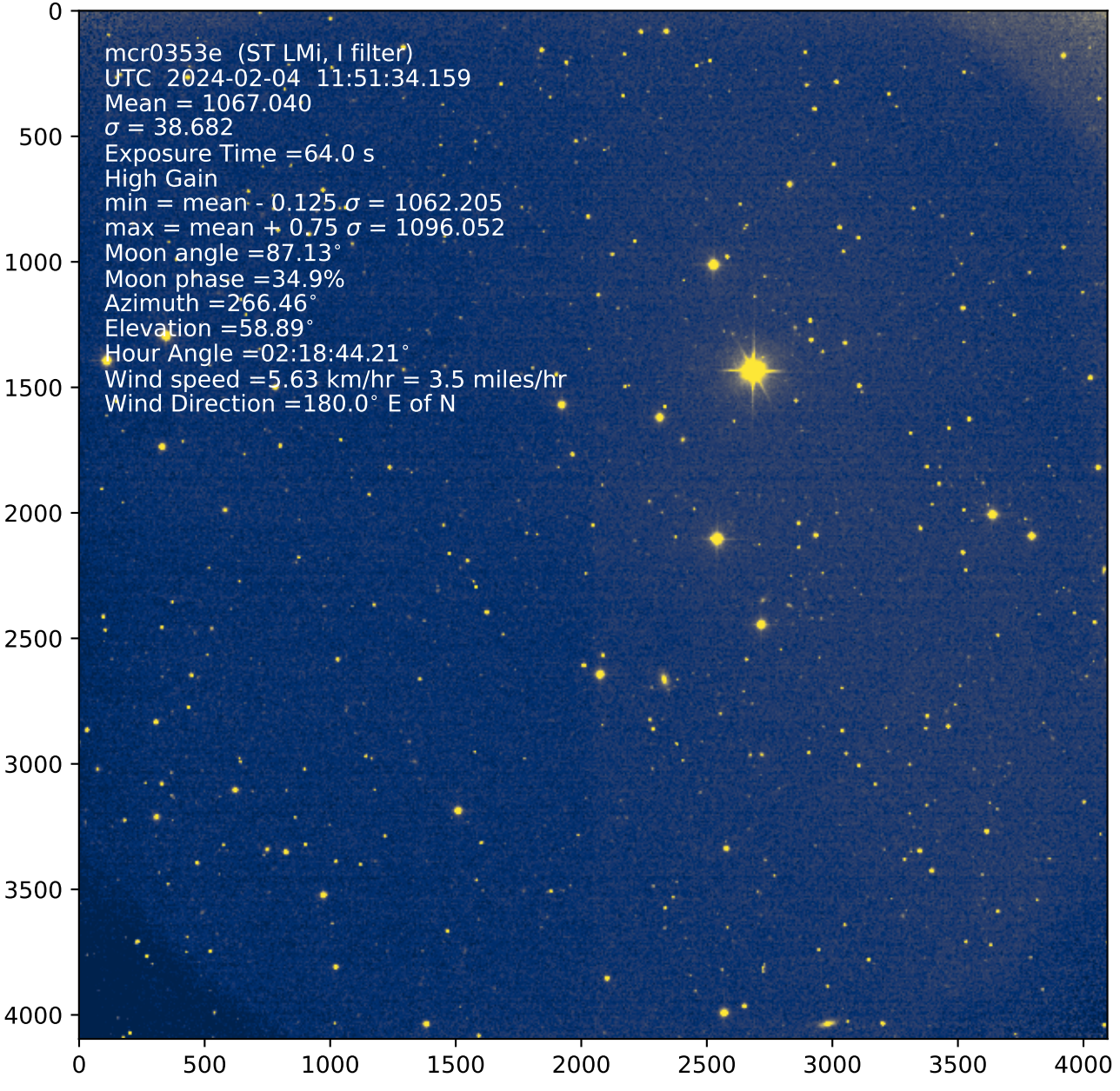

mcr03536 (ST LMi, R filter)
UTC 2024-02-04 11:42:31.480
Mean = 1057.802
σ = 44.209
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1052.276
max = mean + 0.75 σ = 1090.959
Moon angle =87.06°
Moon phase =34.97%
Azimuth =265.02°
Elevation =60.81°
Hour Angle =02:09:39.73°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

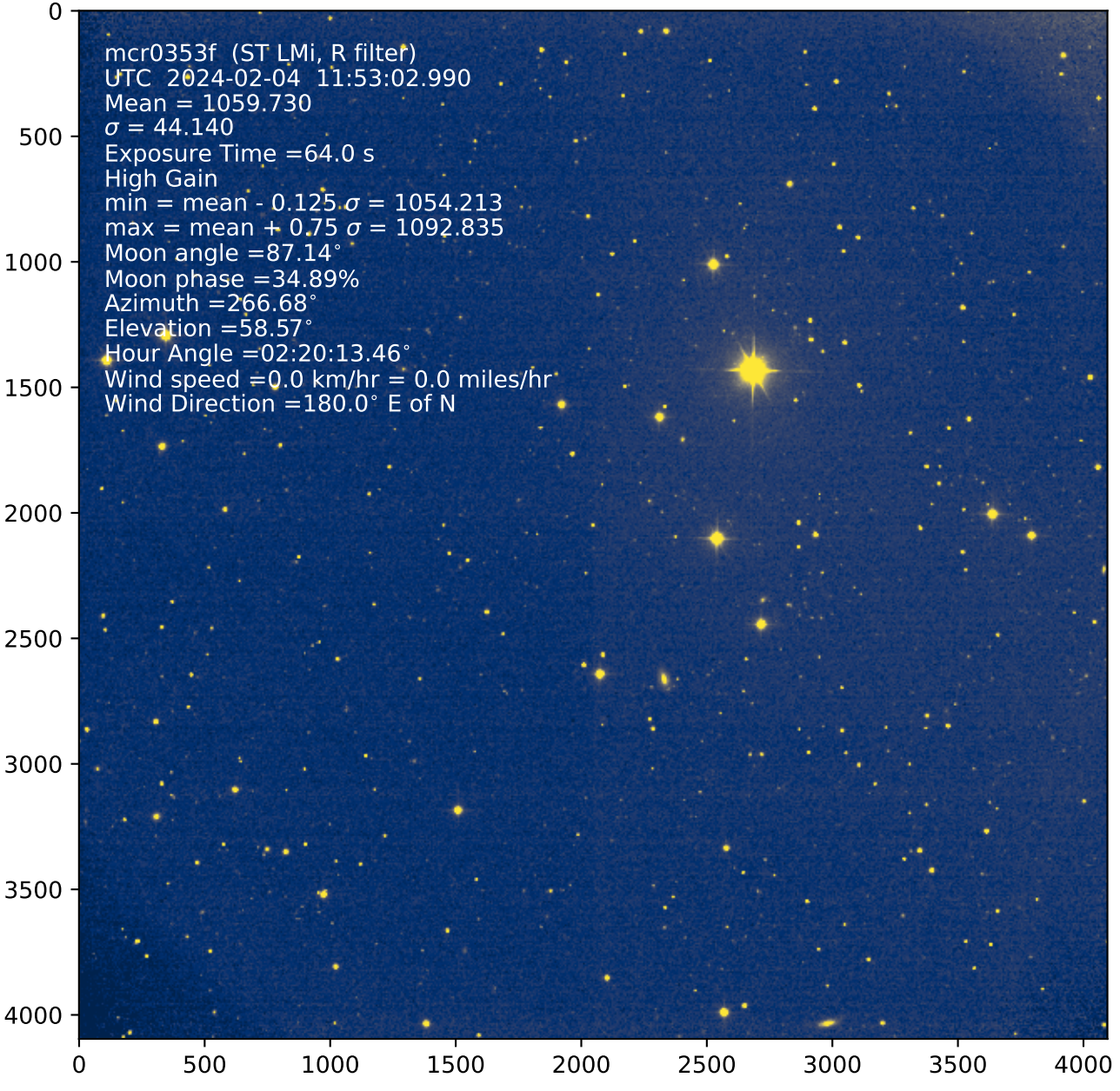

mcr03538 (ST LMi, I filter)
UTC 2024-02-04 11:44:33.789
Mean = 1065.609
σ = 38.414
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1060.807
max = mean + 0.75 σ = 1094.419
Moon angle =87.08°
Moon phase =34.95%
Azimuth =265.35°
Elevation =60.38°
Hour Angle =02:11:43.06°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

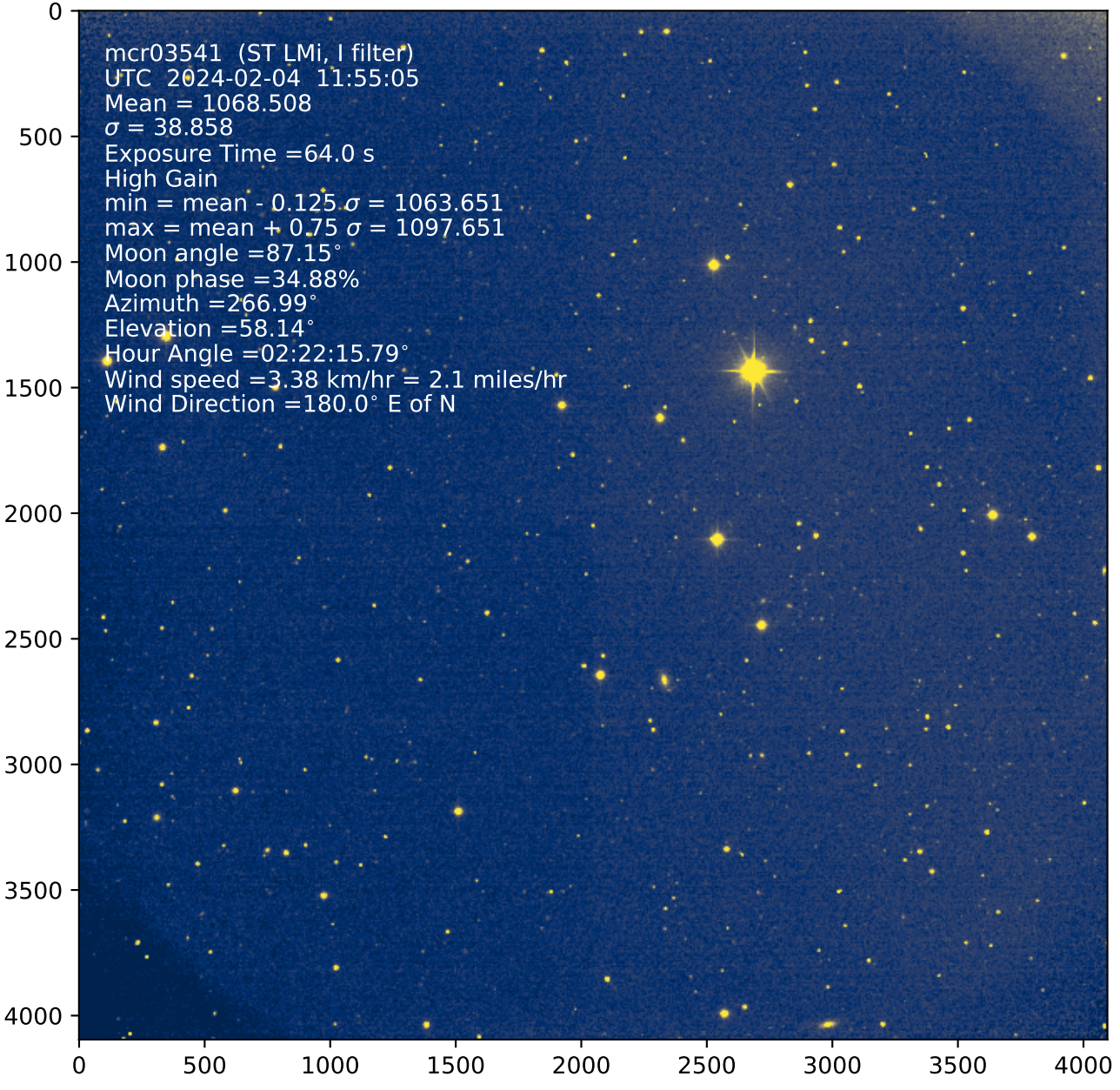

mcr03539 (ST LMi, R filter)
UTC 2024-02-04 11:46:02.680
Mean = 1058.336
σ = 44.932
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1052.72
max = mean + 0.75 σ = 1092.035
Moon angle =87.09°
Moon phase =34.94%
Azimuth =265.59°
Elevation =60.07°
Hour Angle =02:13:11.30°
Wind speed =6.44 km/hr = 4.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

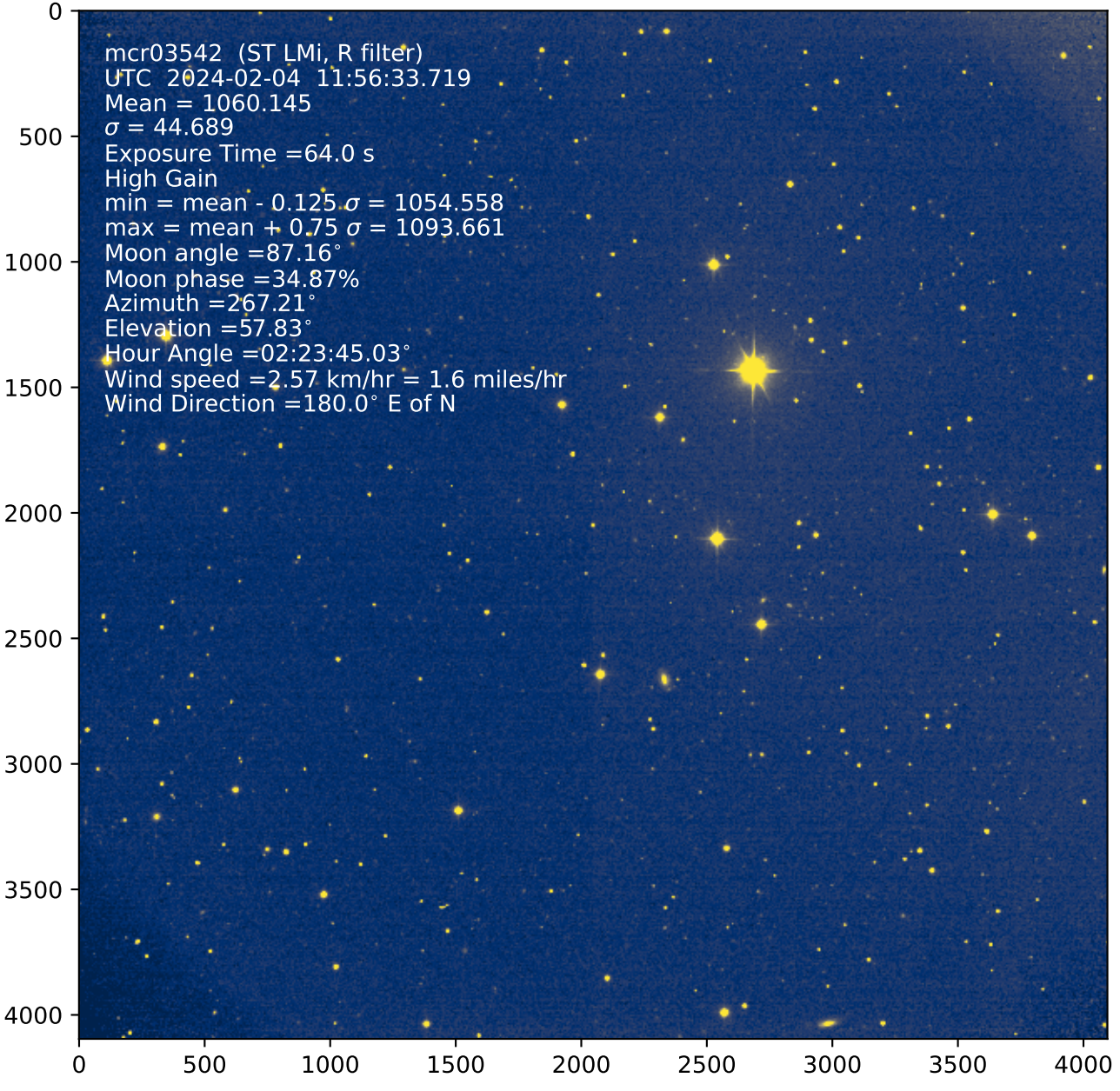

mcr0353b (ST LMi, I filter)
UTC 2024-02-04 11:48:04.280
Mean = 1065.984
σ = 38.513
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1061.169
max = mean + 0.75 σ = 1094.868
Moon angle =87.1°
Moon phase =34.93%
Azimuth =265.91°
Elevation =59.63°
Hour Angle =02:15:13.64°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

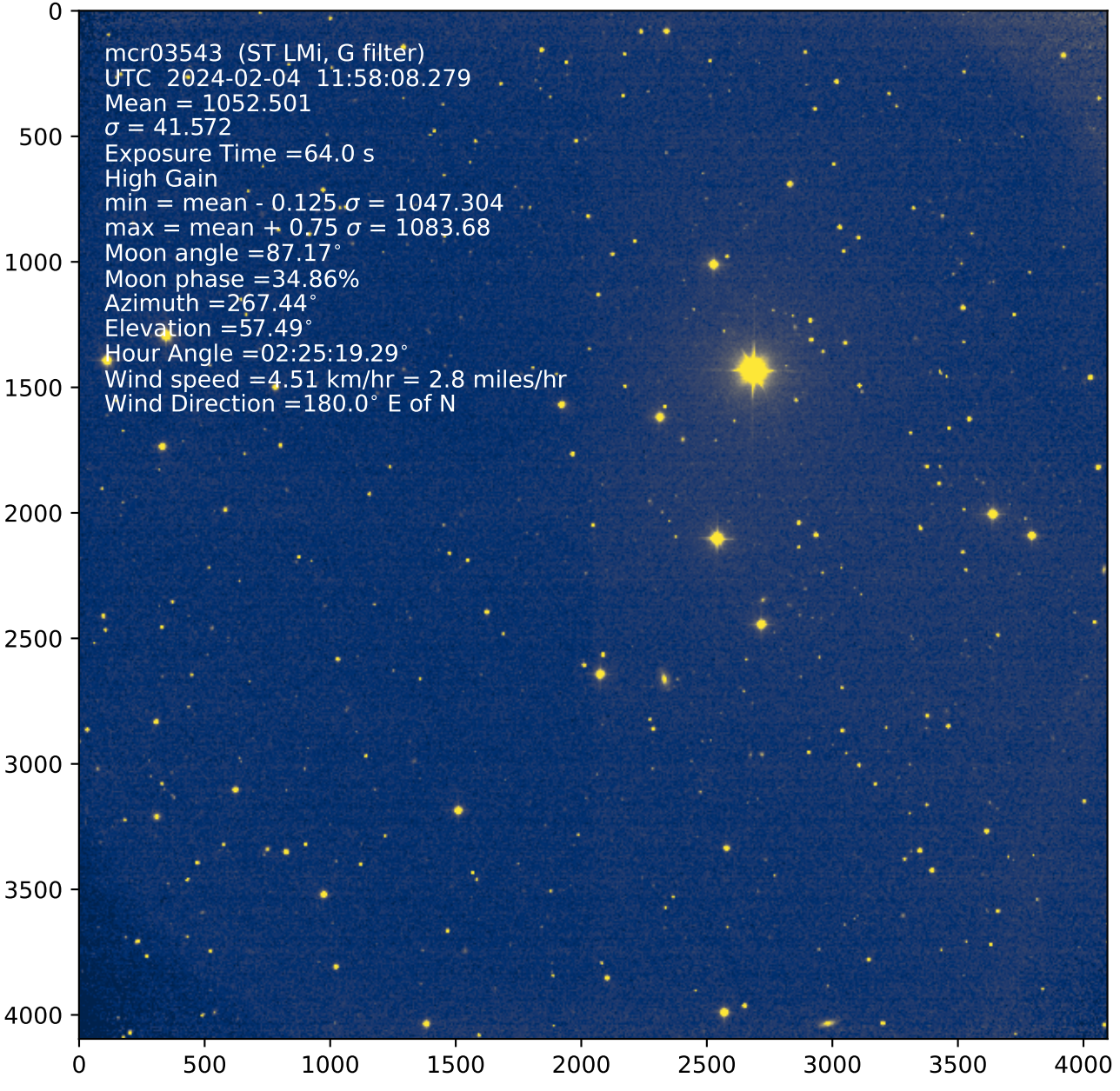

mcr0353c (ST LMi, R filter)
UTC 2024-02-04 11:49:32.909
Mean = 1058.899
σ = 44.734
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1053.307
max = mean + 0.75 σ = 1092.449
Moon angle =87.11°
Moon phase =34.92%
Azimuth =266.15°
Elevation =59.32°
Hour Angle =02:16:42.88°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

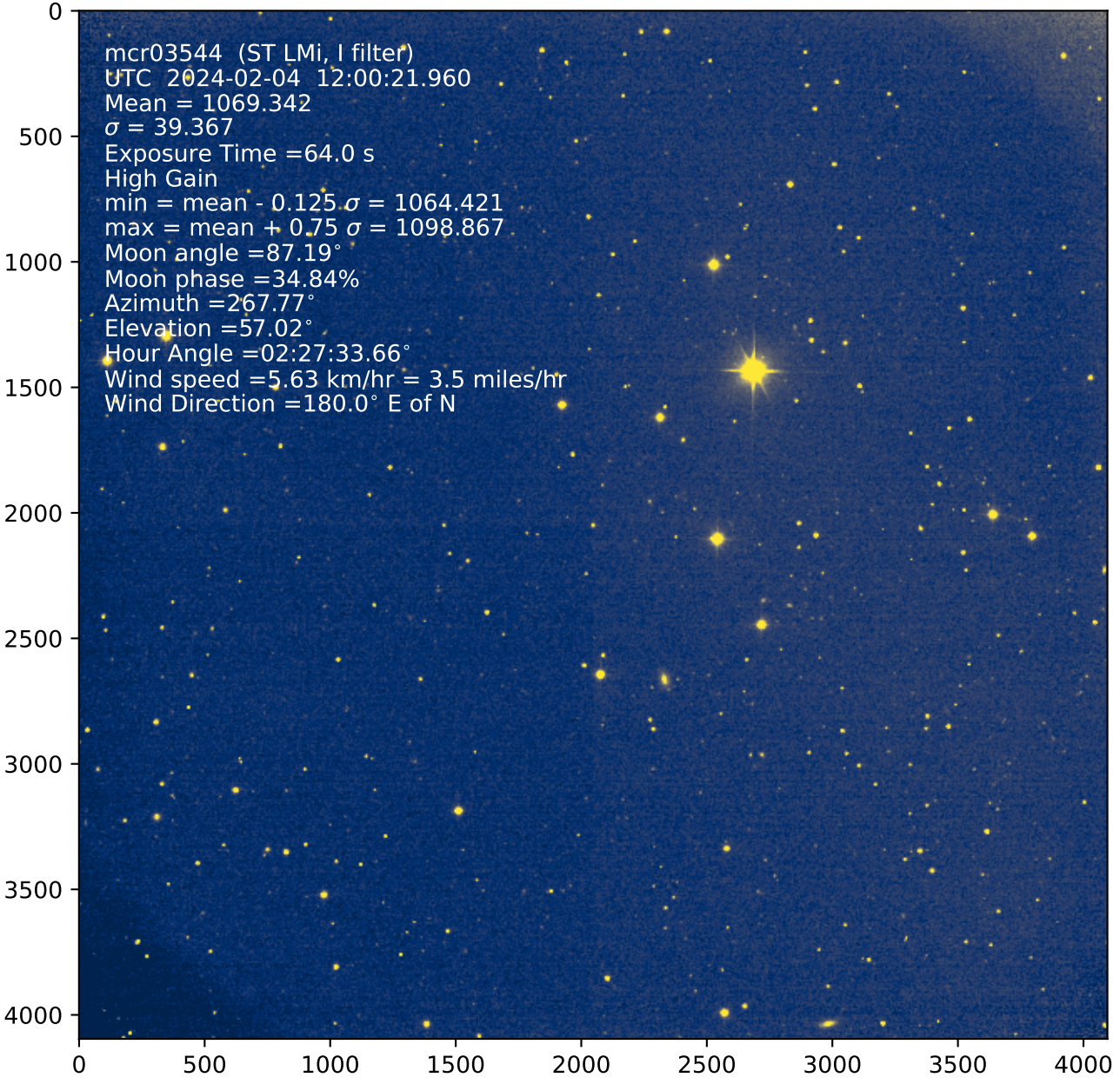

mcr0353e (ST LMi, I filter)
UTC 2024-02-04 11:51:34.159
Mean = 1067.040
σ = 38.682
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1062.205
max = mean + 0.75 σ = 1096.052
Moon angle =87.13°
Moon phase =34.9%
Azimuth =266.46°
Elevation =58.89°
Hour Angle =02:18:44.21°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

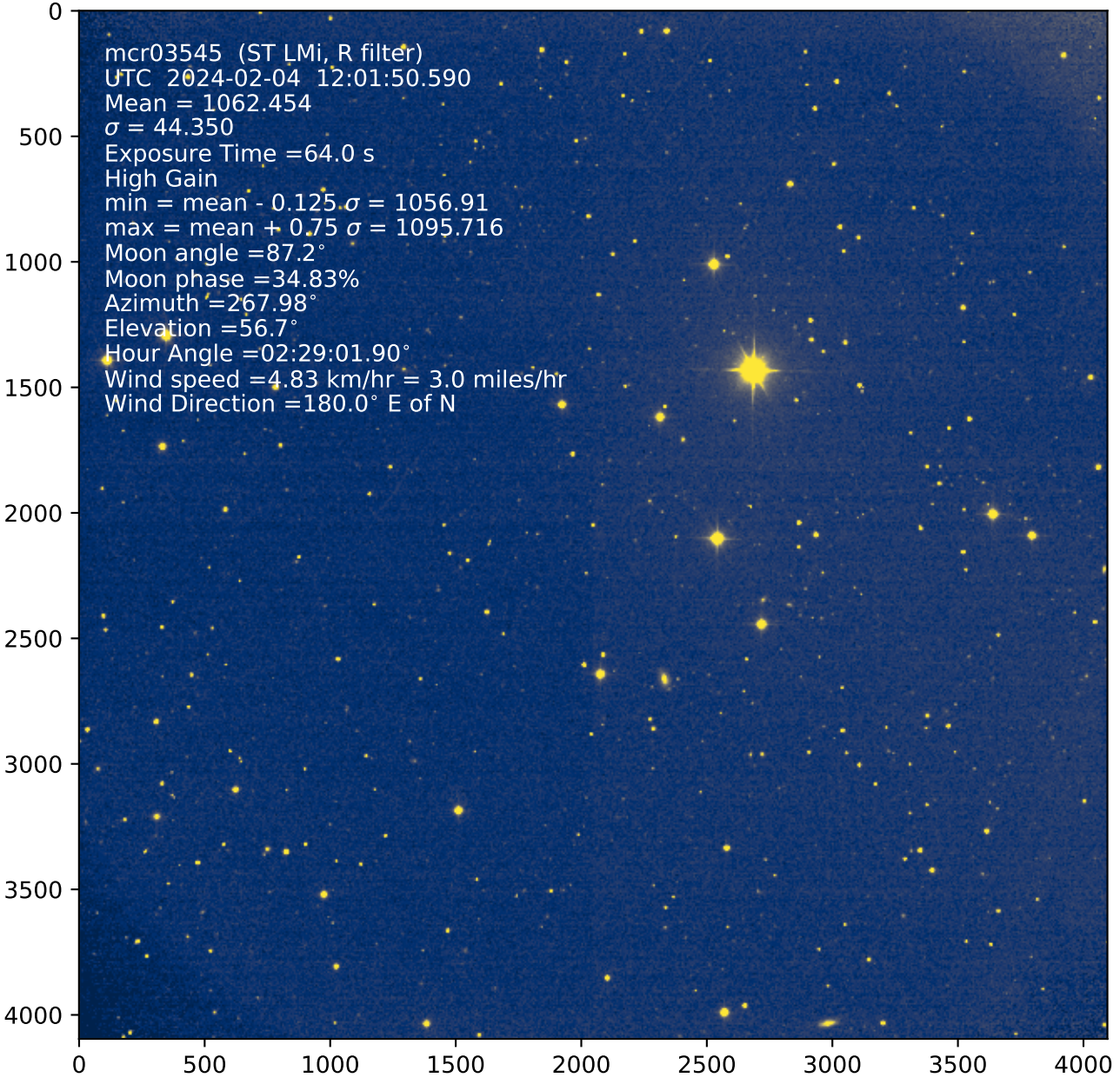

mcr0353f (ST LMi, R filter)
UTC 2024-02-04 11:53:02.990
Mean = 1059.730
σ = 44.140
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1054.213
max = mean + 0.75 σ = 1092.835
Moon angle =87.14°
Moon phase =34.89%
Azimuth =266.68°
Elevation =58.57°
Hour Angle =02:20:13.46°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

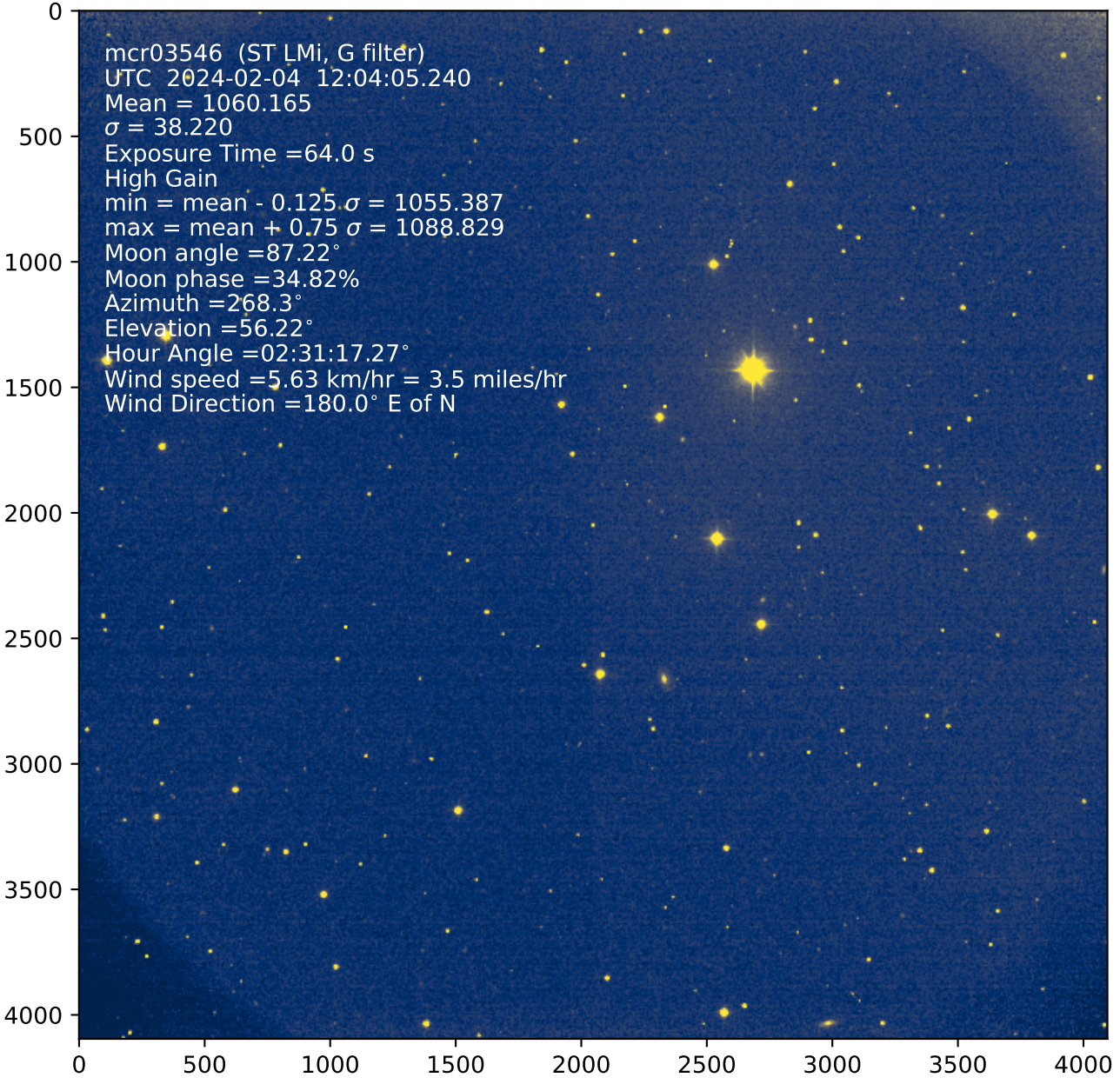

mcr03541 (ST LMi, I filter)
UTC 2024-02-04 11:55:05
Mean = 1068.508
σ = 38.858
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1063.651
max = mean + 0.75 σ = 1097.651
Moon angle =87.15°
Moon phase =34.88%
Azimuth =266.99°
Elevation =58.14°
Hour Angle =02:22:15.79°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

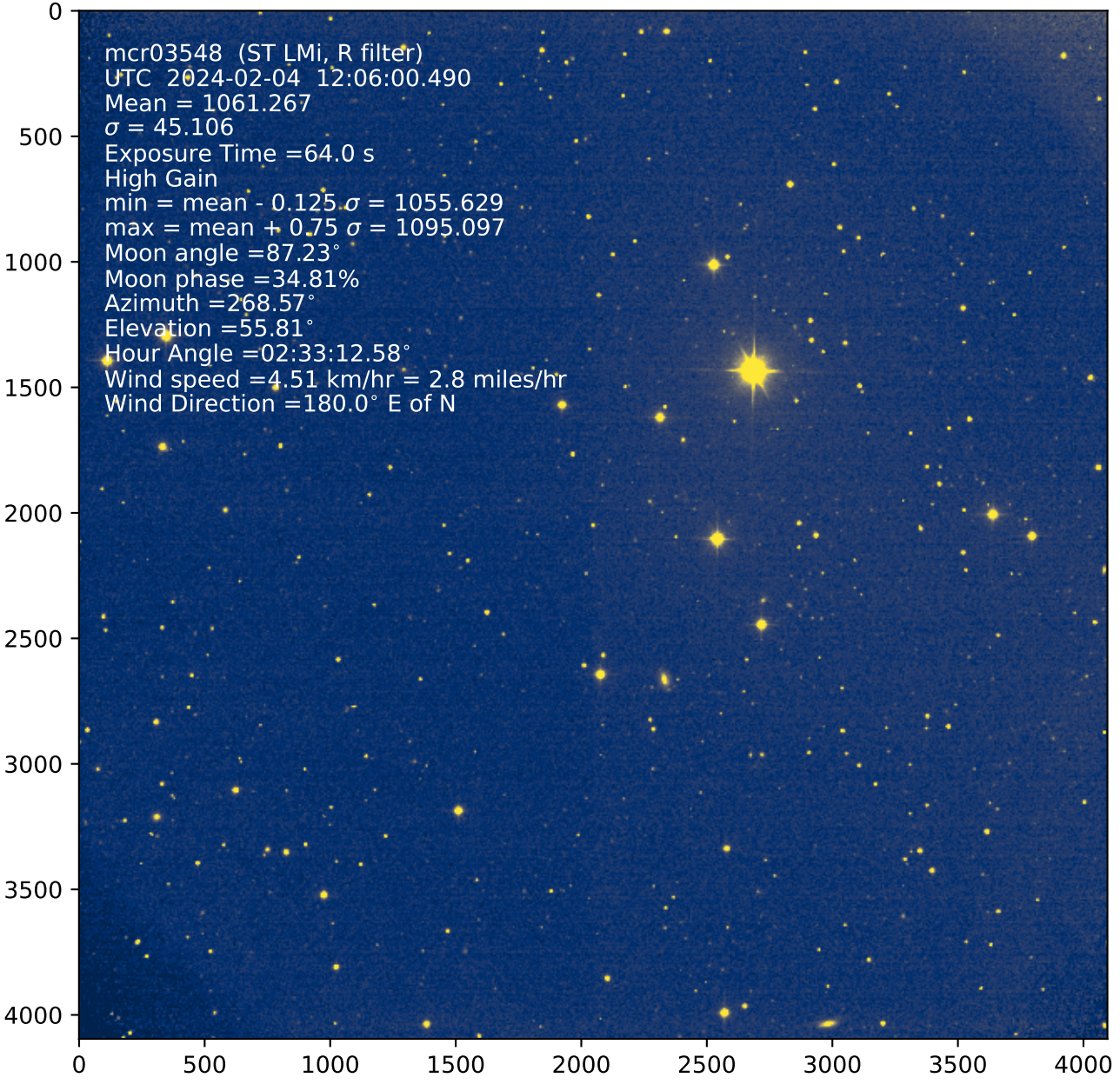

mcr03542 (ST LMi, R filter)
UTC 2024-02-04 11:56:33.719
Mean = 1060.145
σ = 44.689
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1054.558
max = mean + 0.75 σ = 1093.661
Moon angle =87.16°
Moon phase =34.87%
Azimuth =267.21°
Elevation =57.83°
Hour Angle =02:23:45.03°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

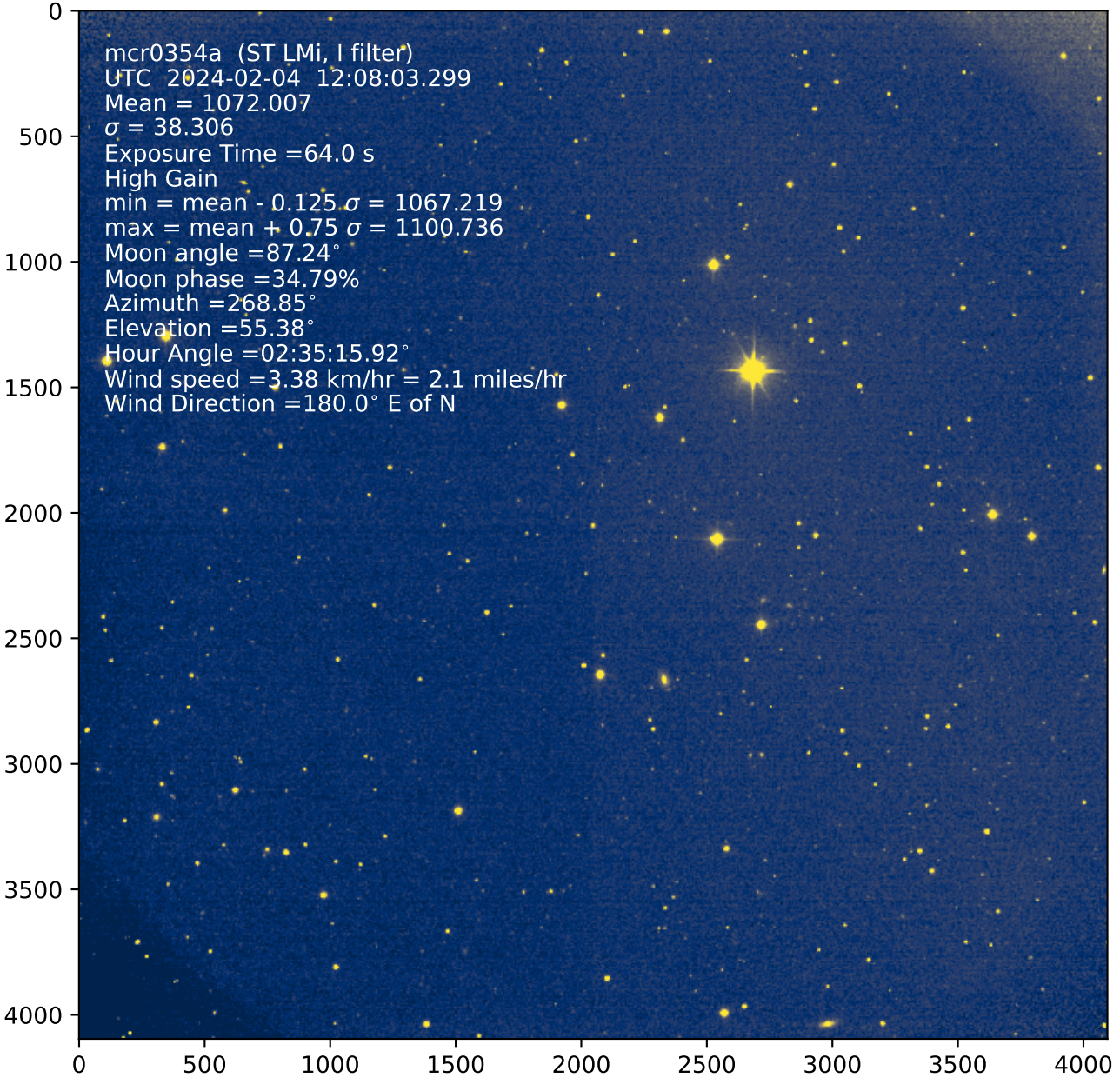

mcr03543 (ST LMi, G filter)
UTC 2024-02-04 11:58:08.279
Mean = 1052.501
σ = 41.572
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1047.304
max = mean + 0.75 σ = 1083.68
Moon angle =87.17°
Moon phase =34.86%
Azimuth =267.44°
Elevation =57.49°
Hour Angle =02:25:19.29°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

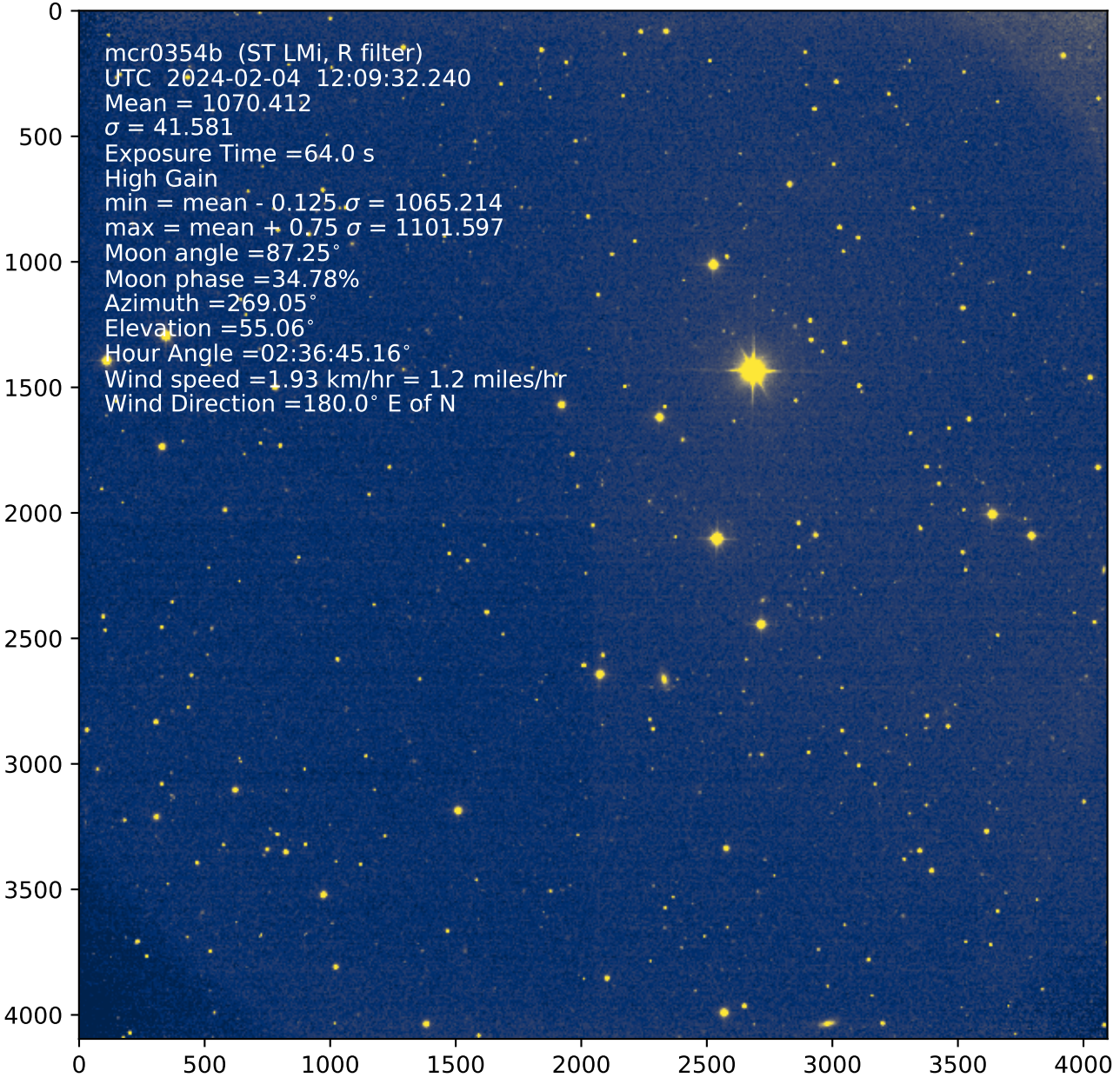

mcr03544 (ST LMi, I filter)
UTC 2024-02-04 12:00:21.960
Mean = 1069.342
σ = 39.367
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1064.421
max = mean + 0.75 σ = 1098.867
Moon angle =87.19°
Moon phase =34.84%
Azimuth =267.77°
Elevation =57.02°
Hour Angle =02:27:33.66°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

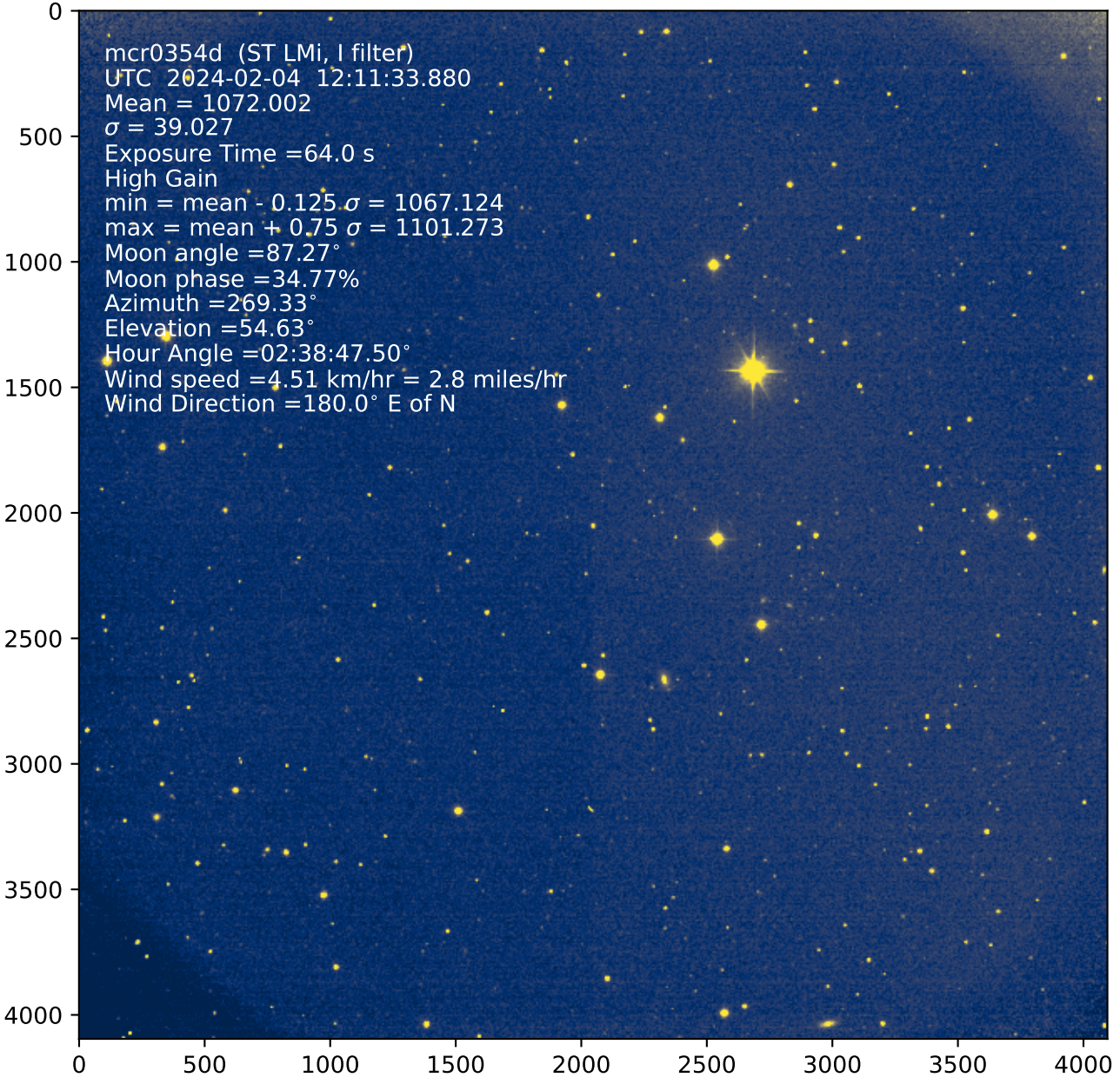

mcr03545 (ST LMi, R filter)
UTC 2024-02-04 12:01:50.590
Mean = 1062.454
σ = 44.350
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1056.91
max = mean + 0.75 σ = 1095.716
Moon angle =87.2°
Moon phase =34.83%
Azimuth =267.98°
Elevation =56.7°
Hour Angle =02:29:01.90°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

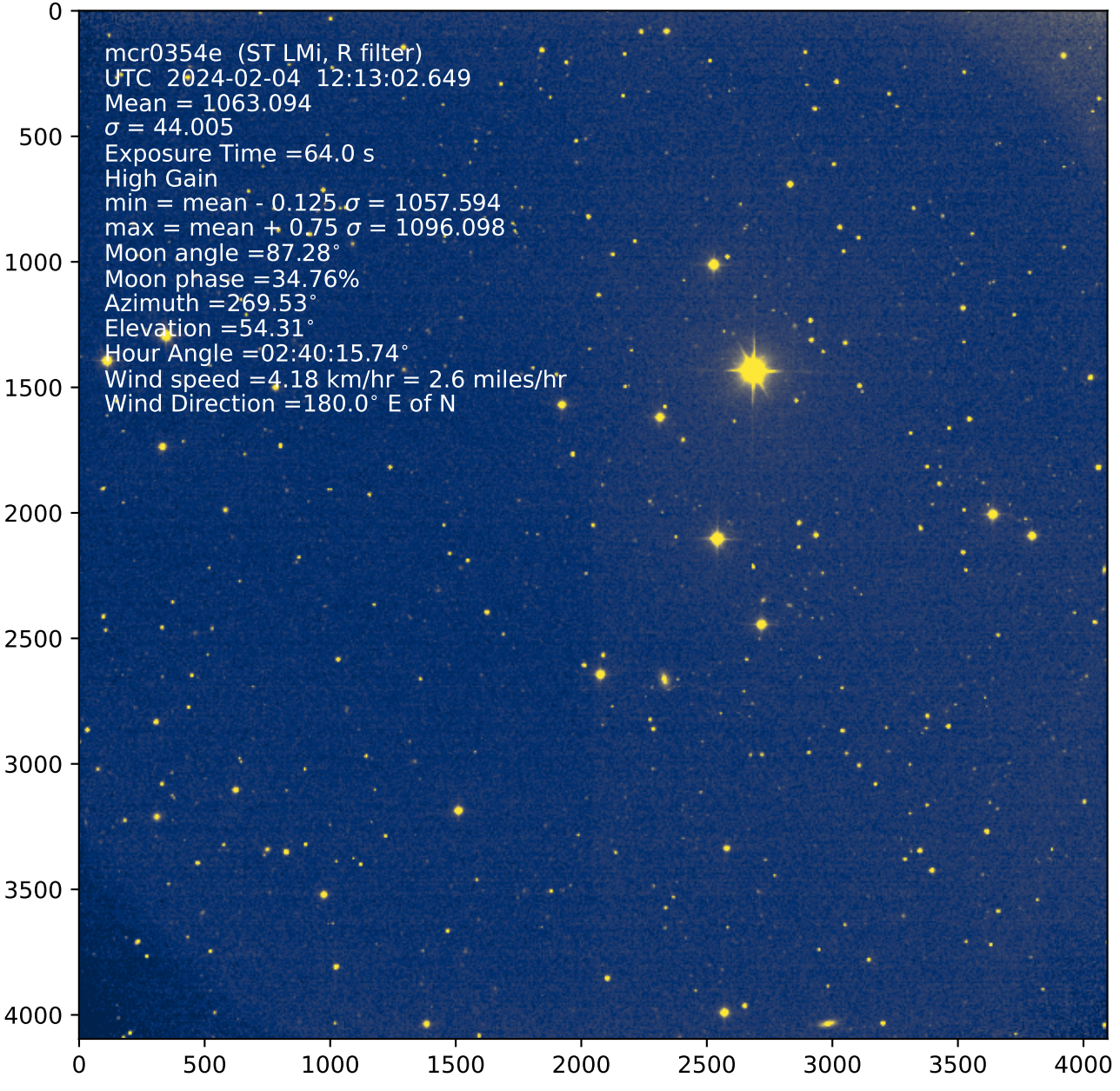

mcr03546 (ST LMi, G filter)
UTC 2024-02-04 12:04:05.240
Mean = 1060.165
σ = 38.220
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.387
max = mean + 0.75 σ = 1088.829
Moon angle =87.22°
Moon phase =34.82%
Azimuth =268.3°
Elevation =56.22°
Hour Angle =02:31:17.27°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

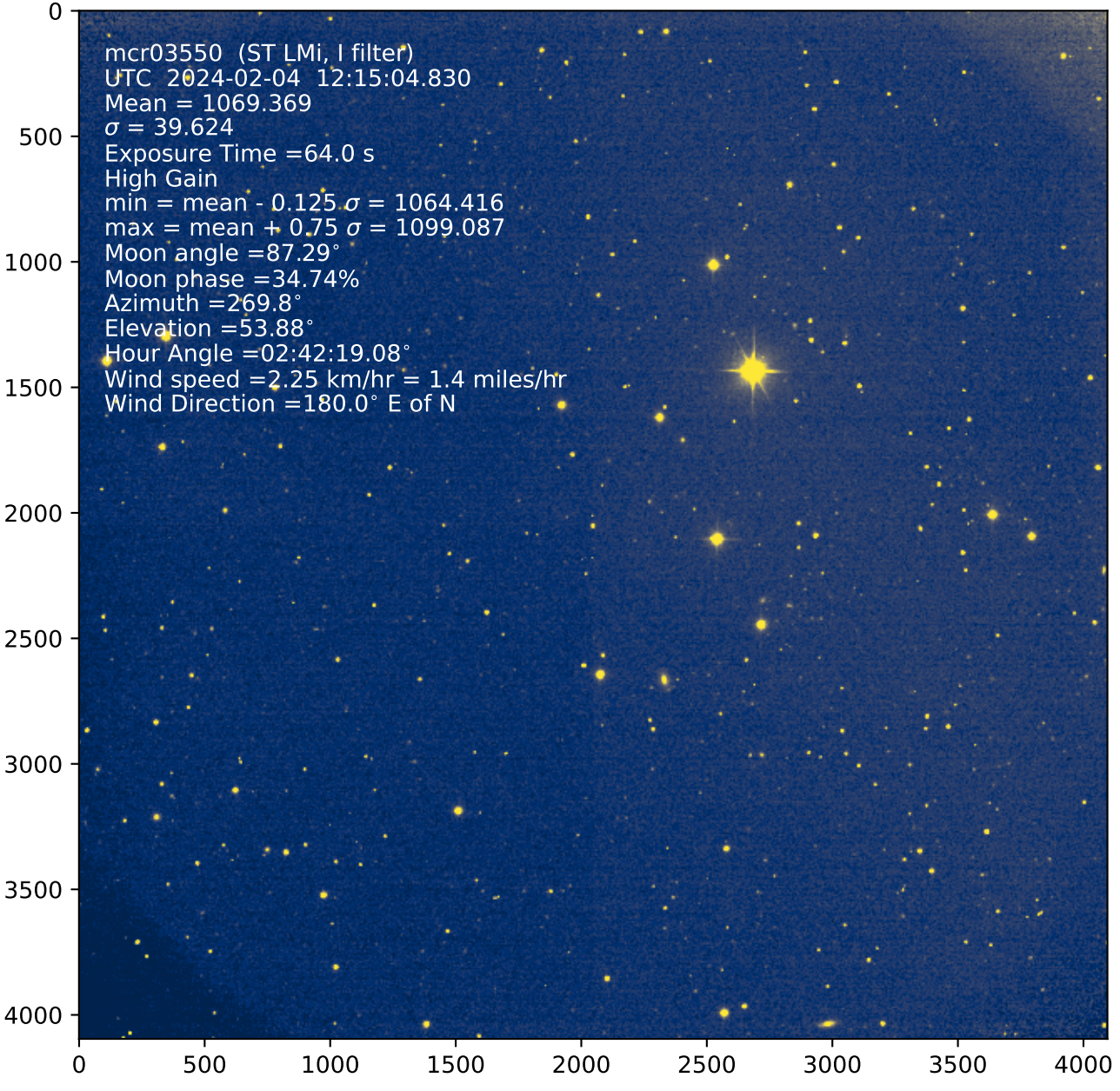

mcr03548 (ST LMi, R filter)
UTC 2024-02-04 12:06:00.490
Mean = 1061.267
σ = 45.106
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.629
max = mean + 0.75 σ = 1095.097
Moon angle =87.23°
Moon phase =34.81%
Azimuth =268.57°
Elevation =55.81°
Hour Angle =02:33:12.58°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

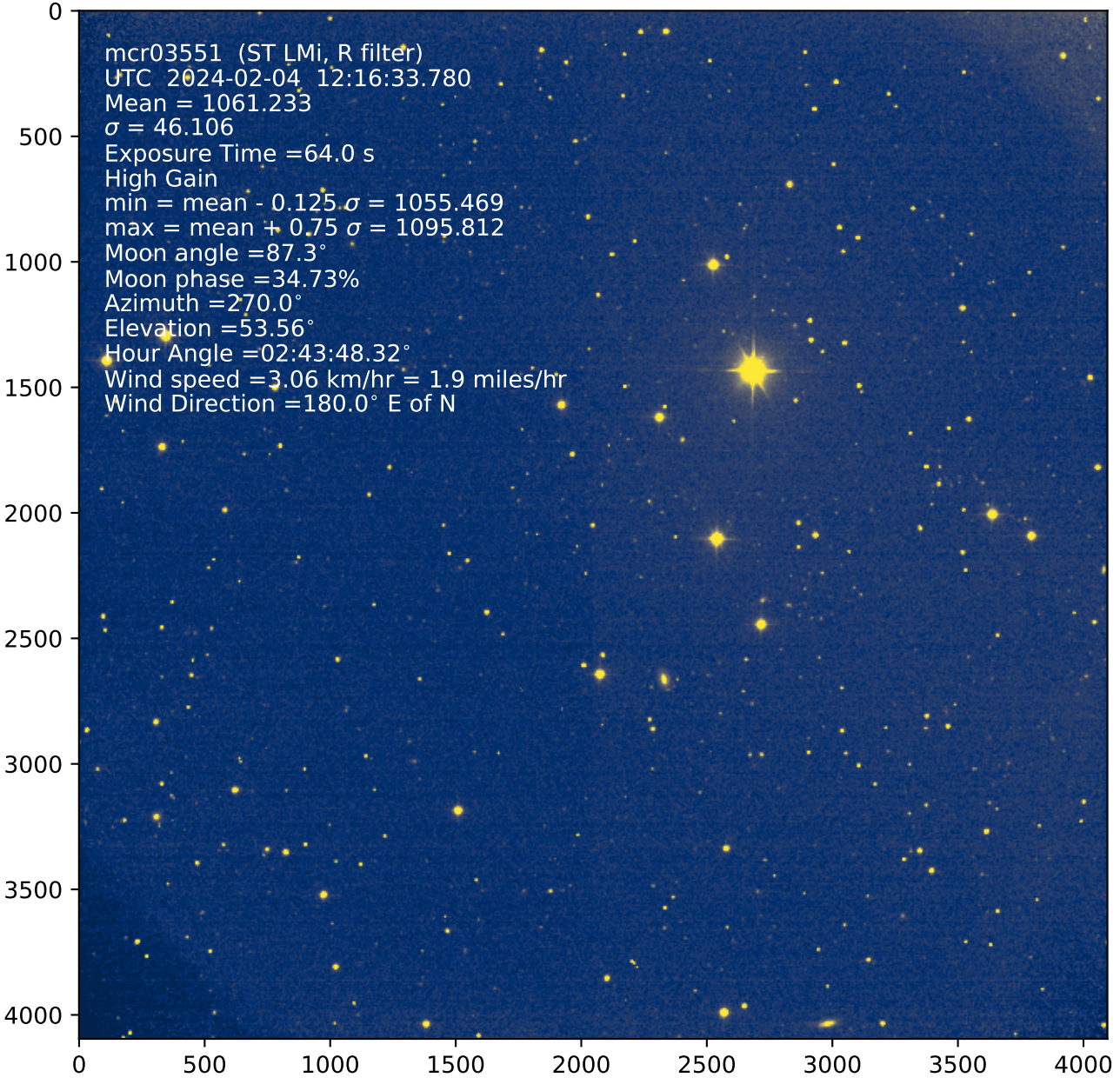

mcr0354a (ST LMi, I filter)
UTC 2024-02-04 12:08:03.299
Mean = 1072.007
σ = 38.306
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1067.219
max = mean + 0.75 σ = 1100.736
Moon angle =87.24°
Moon phase =34.79%
Azimuth =268.85°
Elevation =55.38°
Hour Angle =02:35:15.92°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

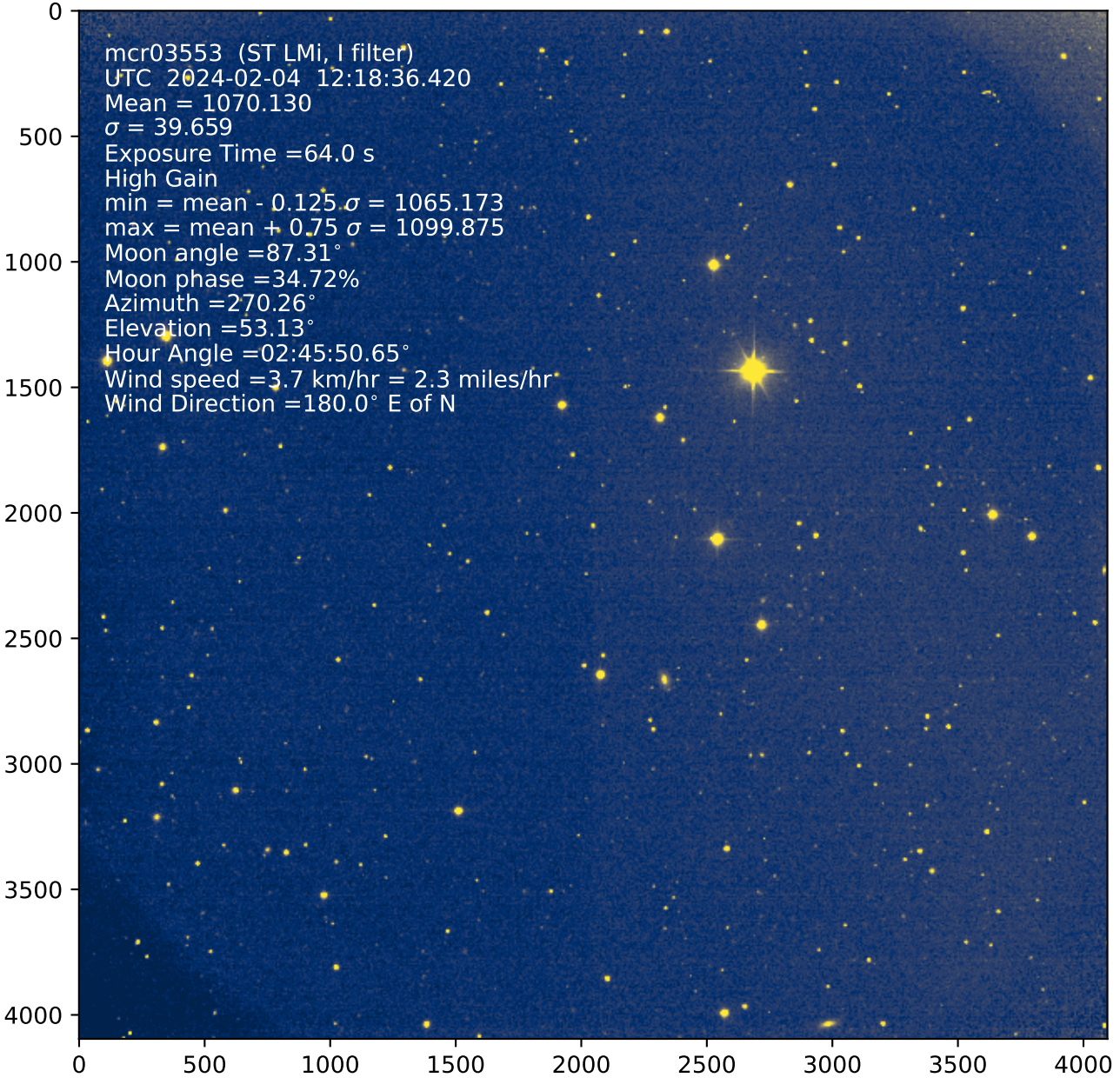

mcr0354b (ST LMi, R filter)
UTC 2024-02-04 12:09:32.240
Mean = 1070.412
σ = 41.581
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1065.214
max = mean + 0.75 σ = 1101.597
Moon angle =87.25°
Moon phase =34.78%
Azimuth =269.05°
Elevation =55.06°
Hour Angle =02:36:45.16°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

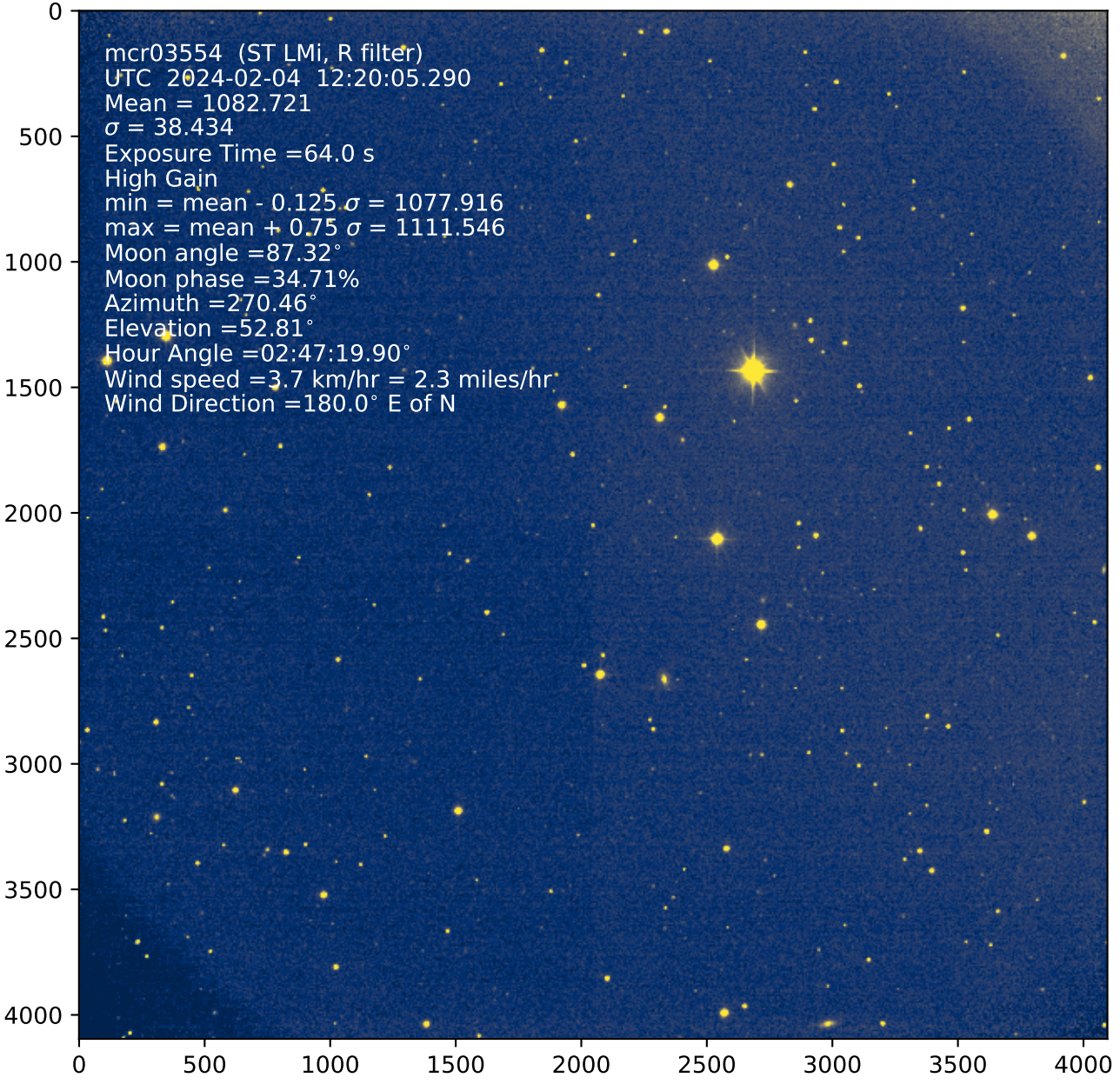

mcr0354d (ST LMi, I filter)
UTC 2024-02-04 12:11:33.880
Mean = 1072.002
σ = 39.027
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1067.124
max = mean + 0.75 σ = 1101.273
Moon angle =87.27°
Moon phase =34.77%
Azimuth =269.33°
Elevation =54.63°
Hour Angle =02:38:47.50°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

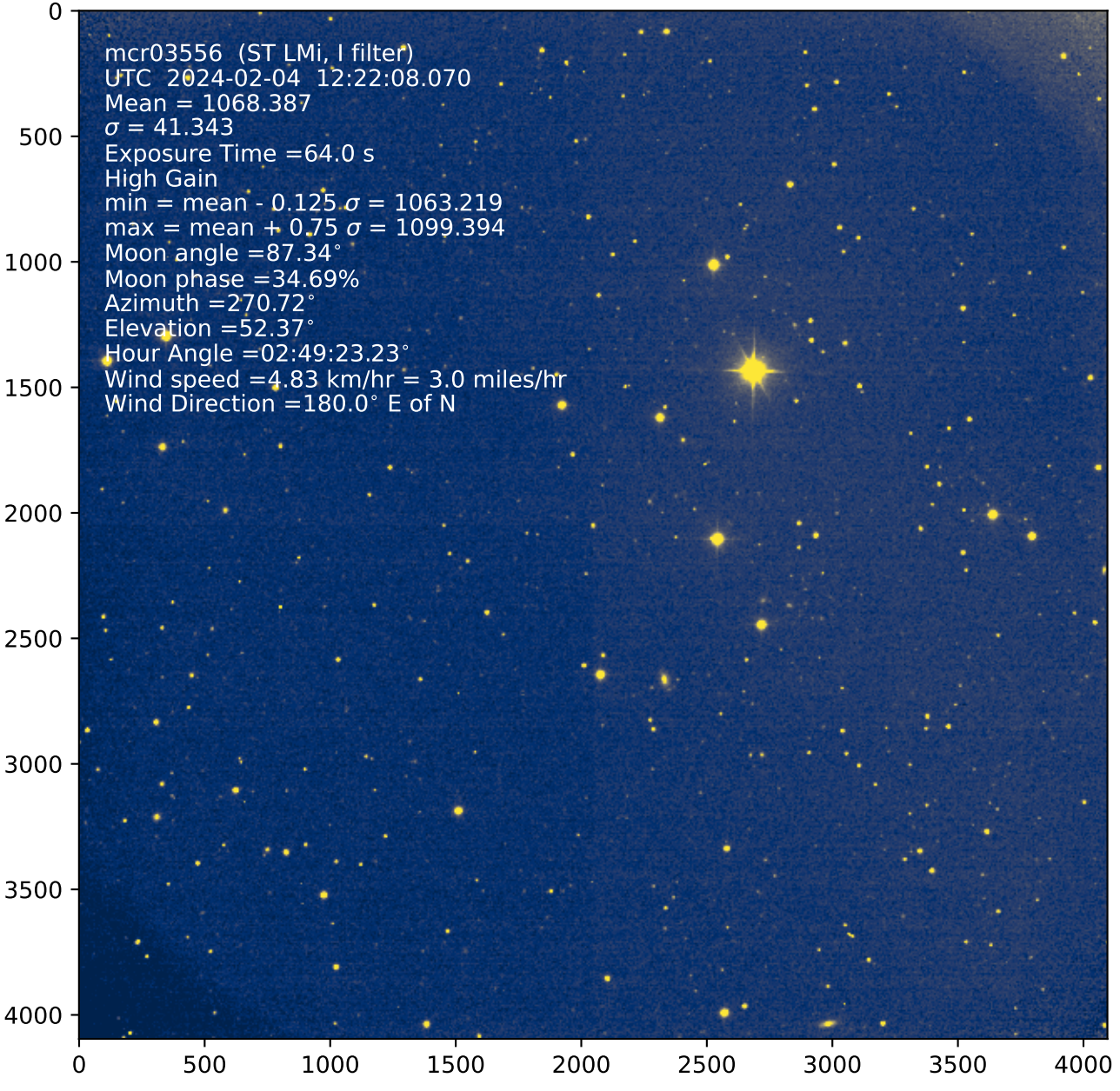

mcr0354e (ST LMi, R filter)
UTC 2024-02-04 12:13:02.649
Mean = 1063.094
σ = 44.005
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1057.594
max = mean + 0.75 σ = 1096.098
Moon angle =87.28°
Moon phase =34.76%
Azimuth =269.53°
Elevation =54.31°
Hour Angle =02:40:15.74°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

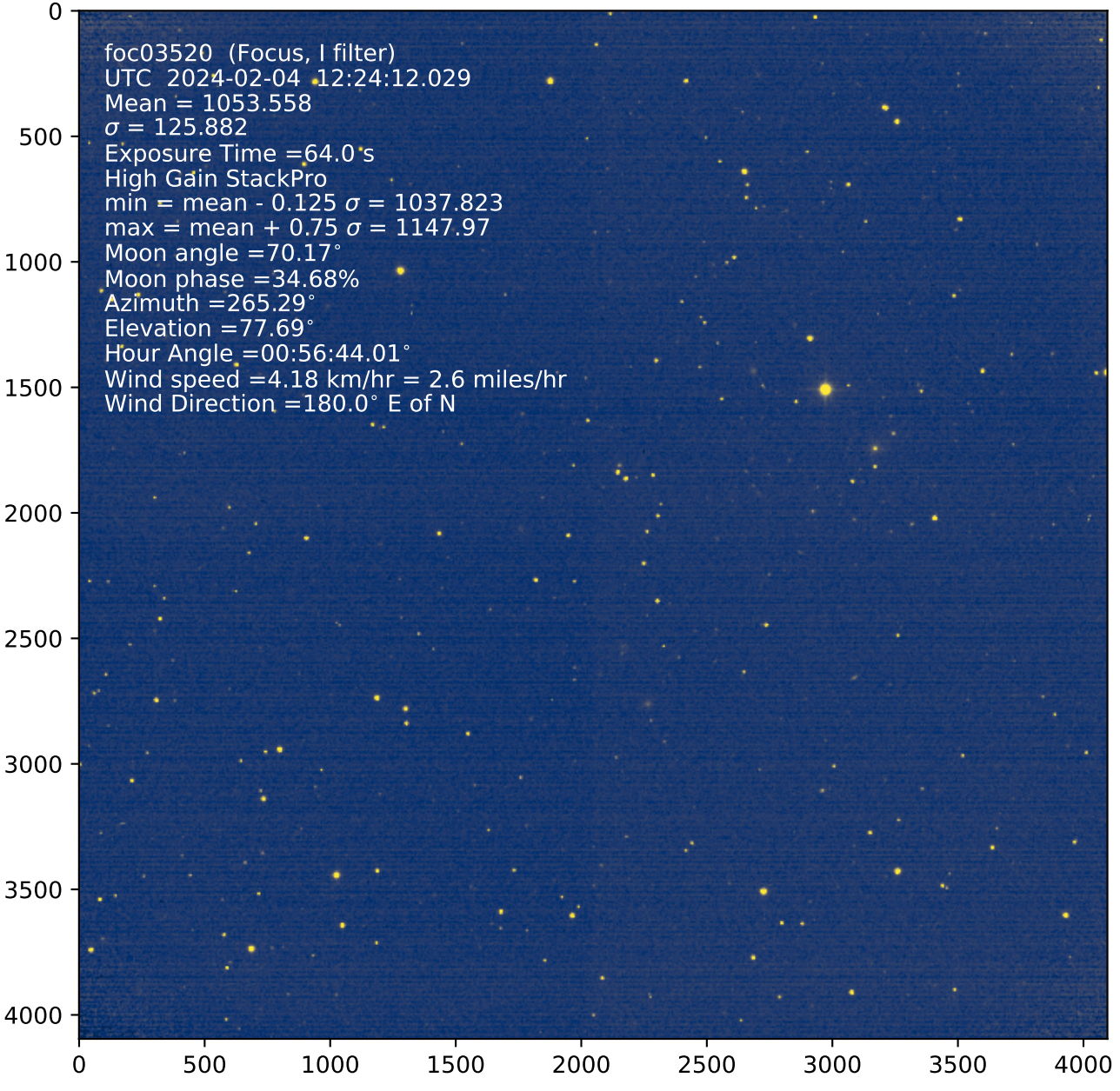

mcr03550 (ST LMi, I filter)
UTC 2024-02-04 12:15:04.830
Mean = 1069.369
σ = 39.624
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1064.416
max = mean + 0.75 σ = 1099.087
Moon angle =87.29°
Moon phase =34.74%
Azimuth =269.8°
Elevation =53.88°
Hour Angle =02:42:19.08°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

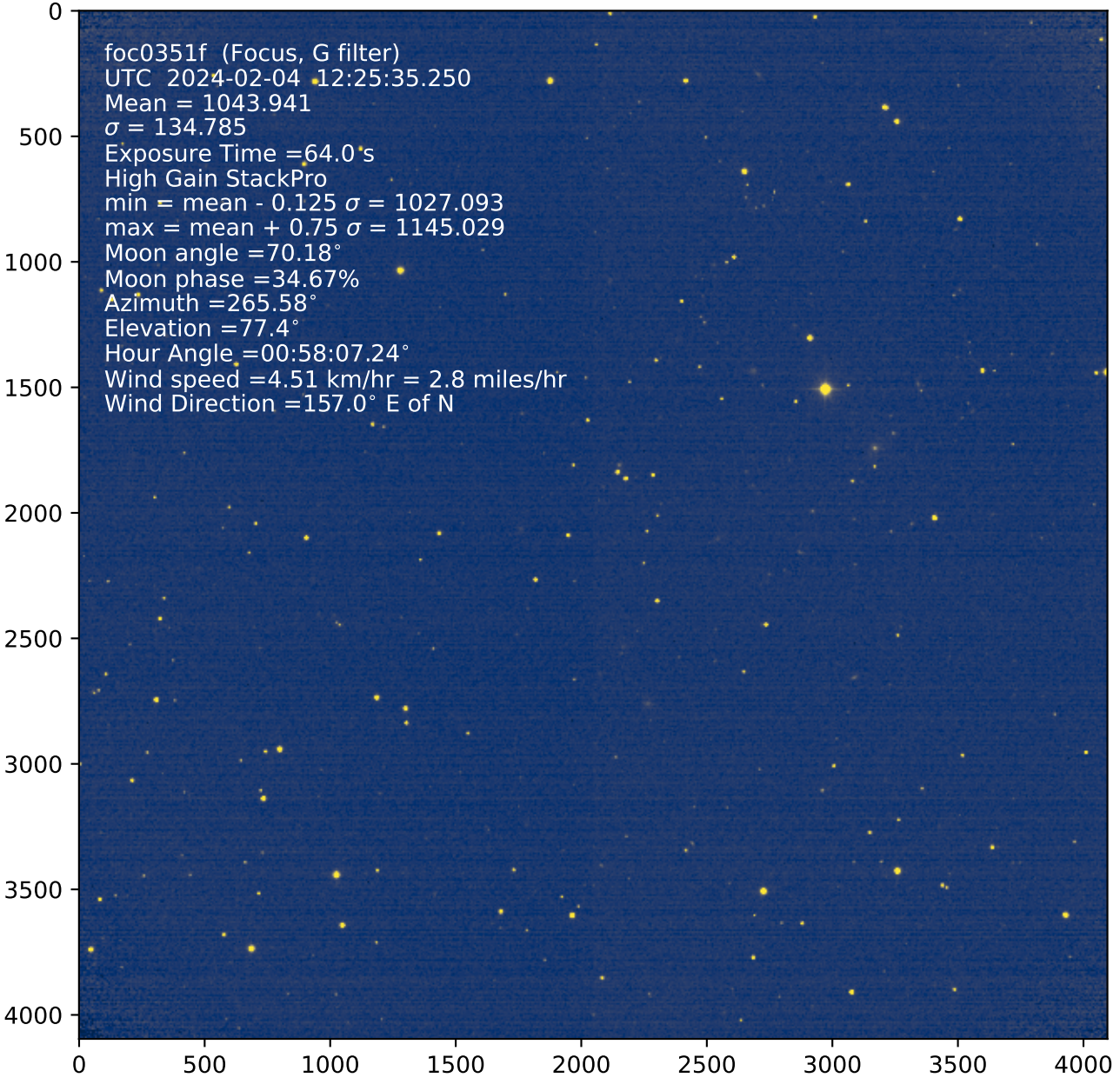

mcr03551 (ST LMi, R filter)
UTC 2024-02-04 12:16:33.780
Mean = 1061.233
σ = 46.106
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.469
max = mean + 0.75 σ = 1095.812
Moon angle =87.3°
Moon phase =34.73%
Azimuth =270.0°
Elevation =53.56°
Hour Angle =02:43:48.32°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

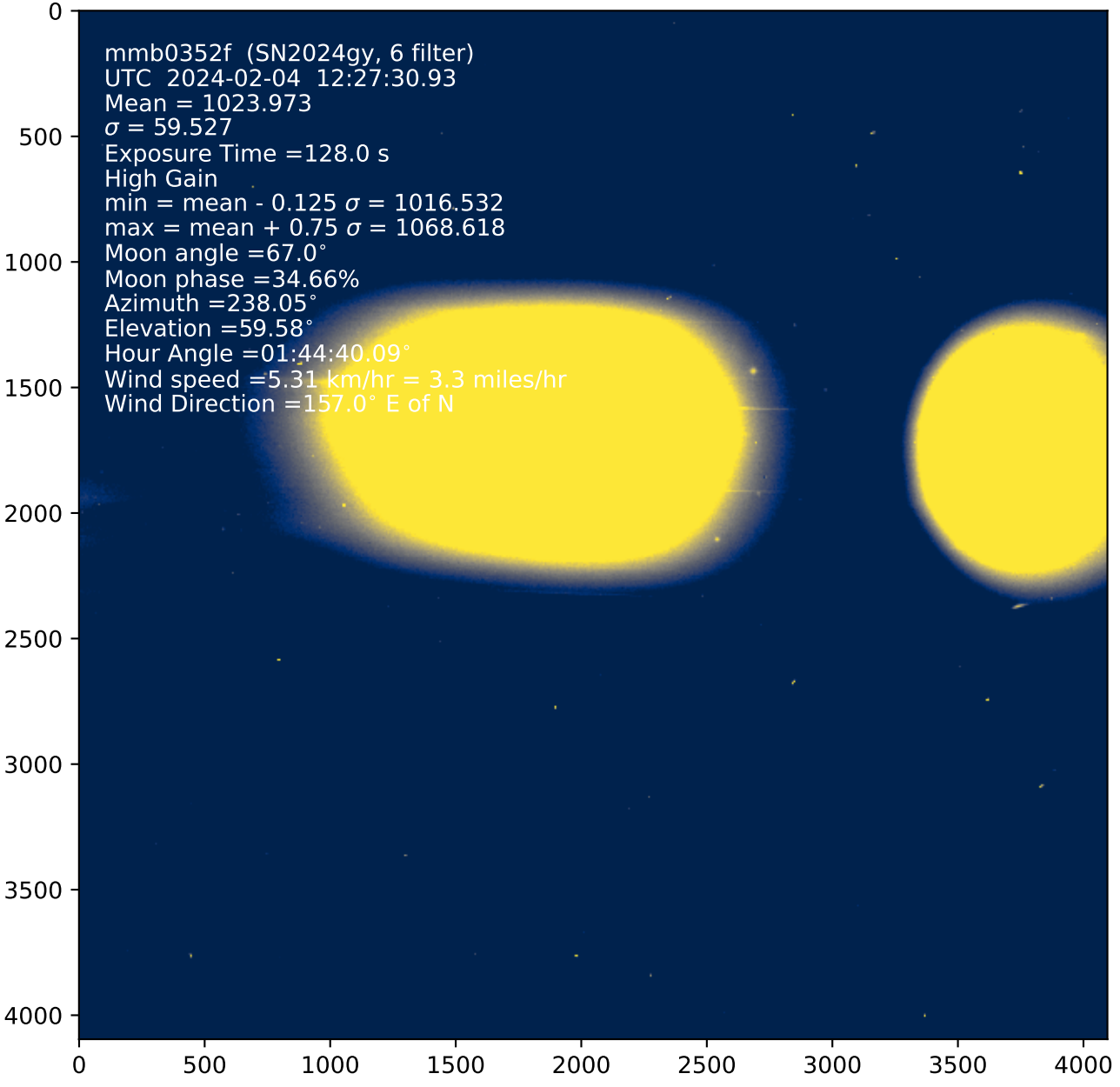

mcr03553 (ST LMi, I filter)
UTC 2024-02-04 12:18:36.420
Mean = 1070.130
σ = 39.659
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1065.173
max = mean + 0.75 σ = 1099.875
Moon angle =87.31°
Moon phase =34.72%
Azimuth =270.26°
Elevation =53.13°
Hour Angle =02:45:50.65°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

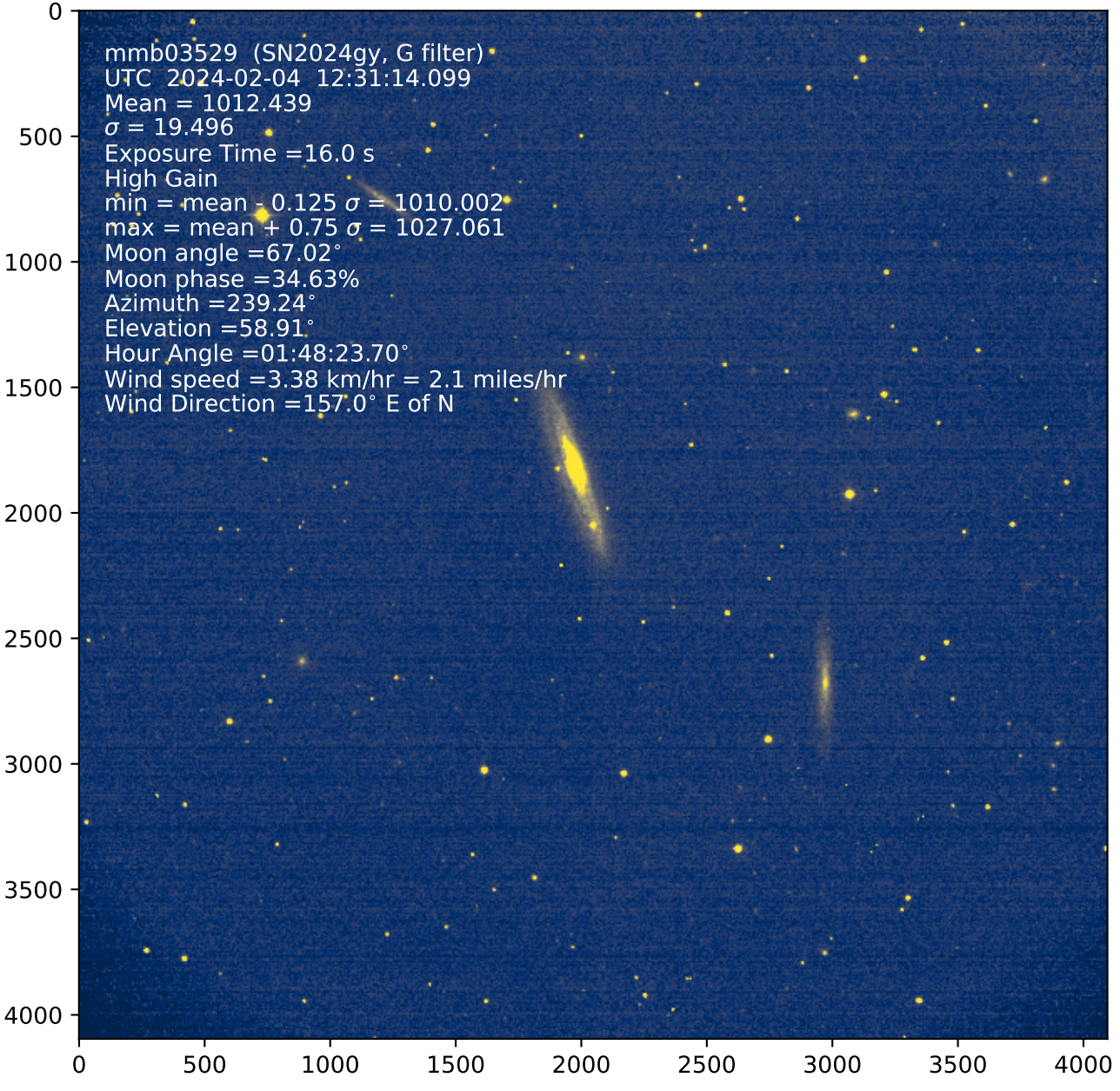

mcr03554 (ST LMi, R filter)
UTC 2024-02-04 12:20:05.290
Mean = 1082.721
σ = 38.434
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1077.916
max = mean + 0.75 σ = 1111.546
Moon angle =87.32°
Moon phase =34.71%
Azimuth =270.46°
Elevation =52.81°
Hour Angle =02:47:19.90°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

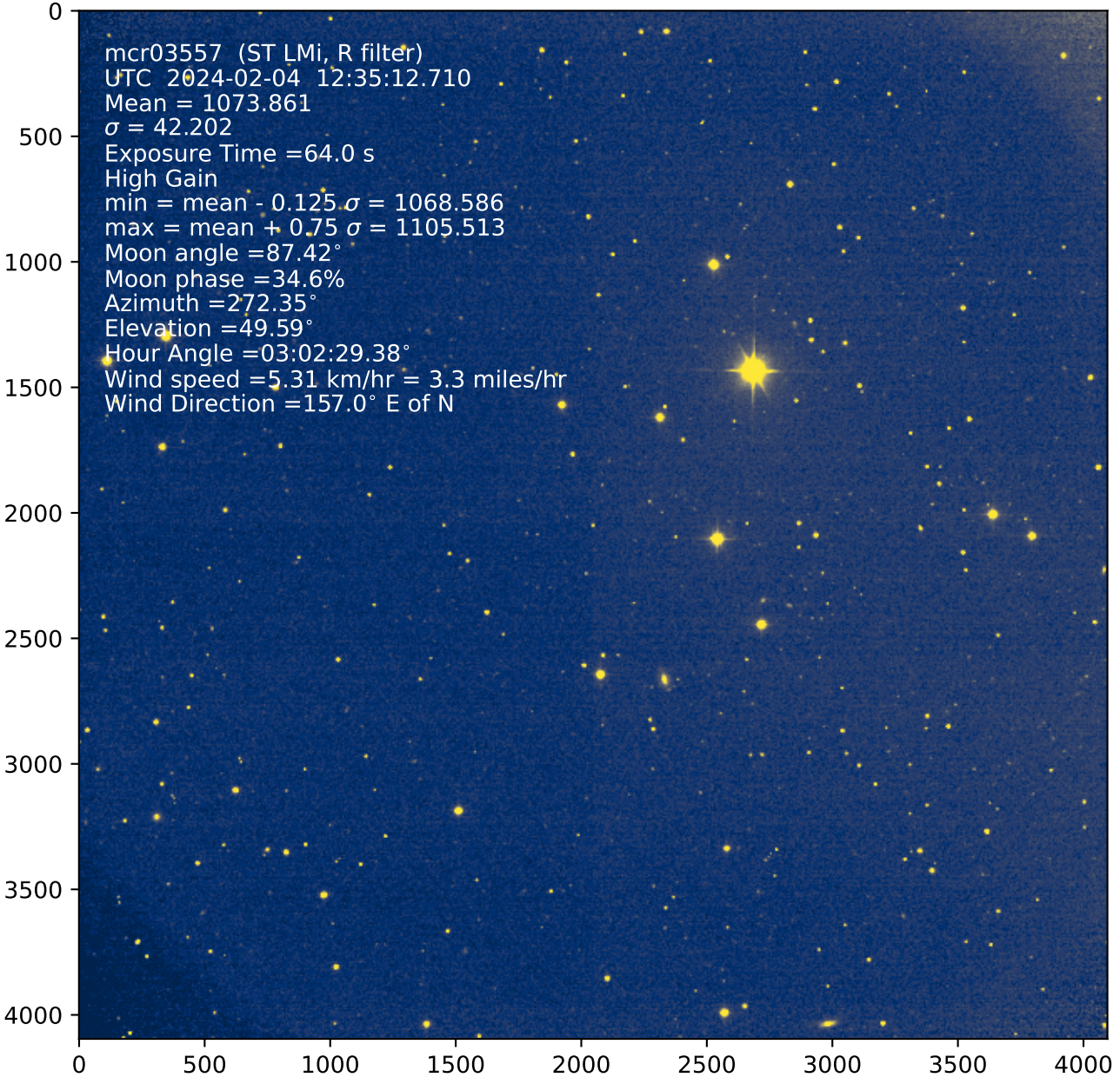

mcr03556 (ST LMi, I filter)
UTC 2024-02-04 12:22:08.070
Mean = 1068.387
σ = 41.343
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1063.219
max = mean + 0.75 σ = 1099.394
Moon angle =87.34°
Moon phase =34.69%
Azimuth =270.72°
Elevation =52.37°
Hour Angle =02:49:23.23°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

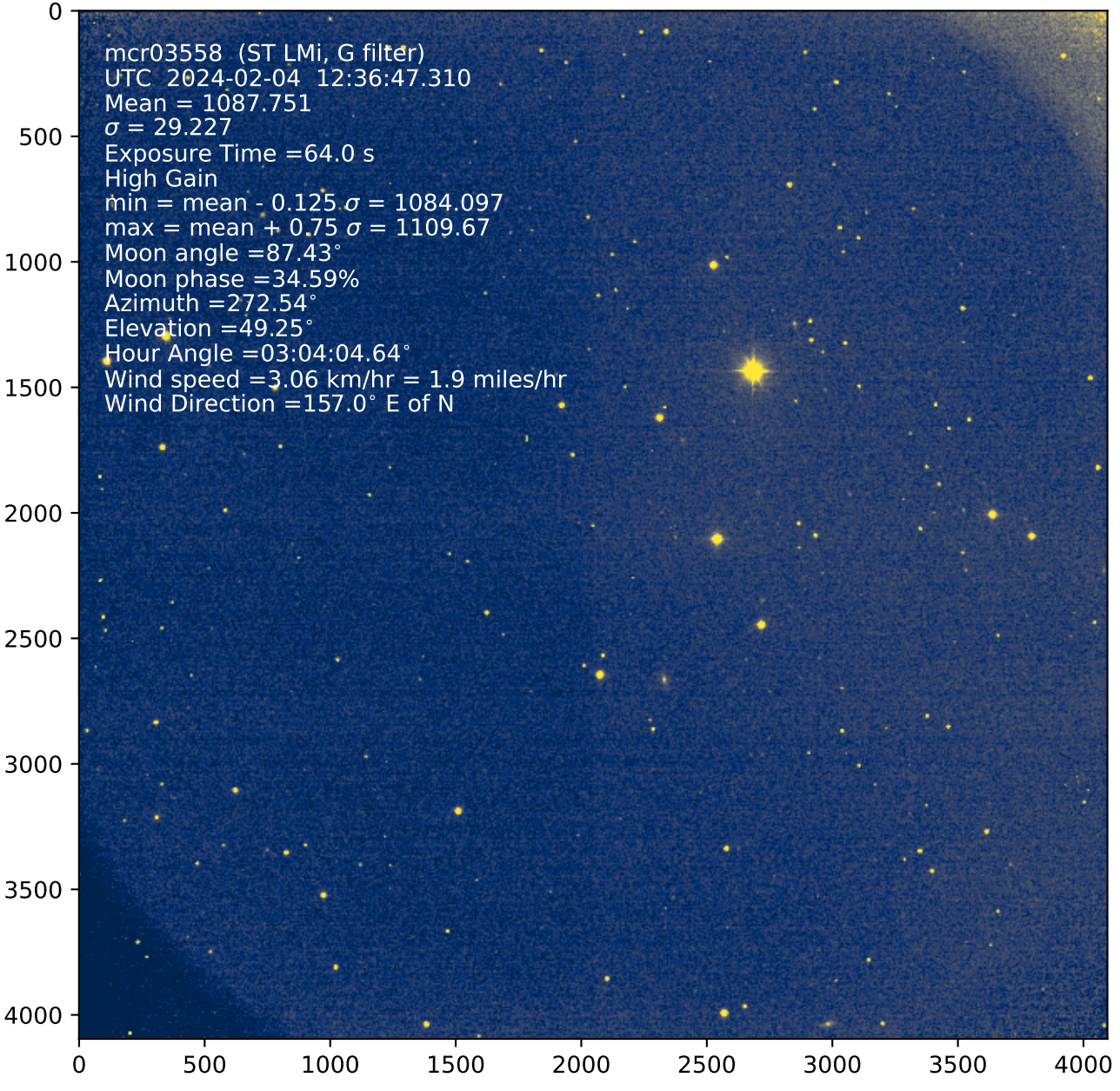

foc03520 (Focus, I filter)
UTC 2024-02-04 12:24:12.029
Mean = 1053.558
σ = 125.882
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1037.823
max = mean + 0.75 σ = 1147.97
Moon angle =70.17°
Moon phase =34.68%
Azimuth =265.29°
Elevation =77.69°
Hour Angle =00:56:44.01°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

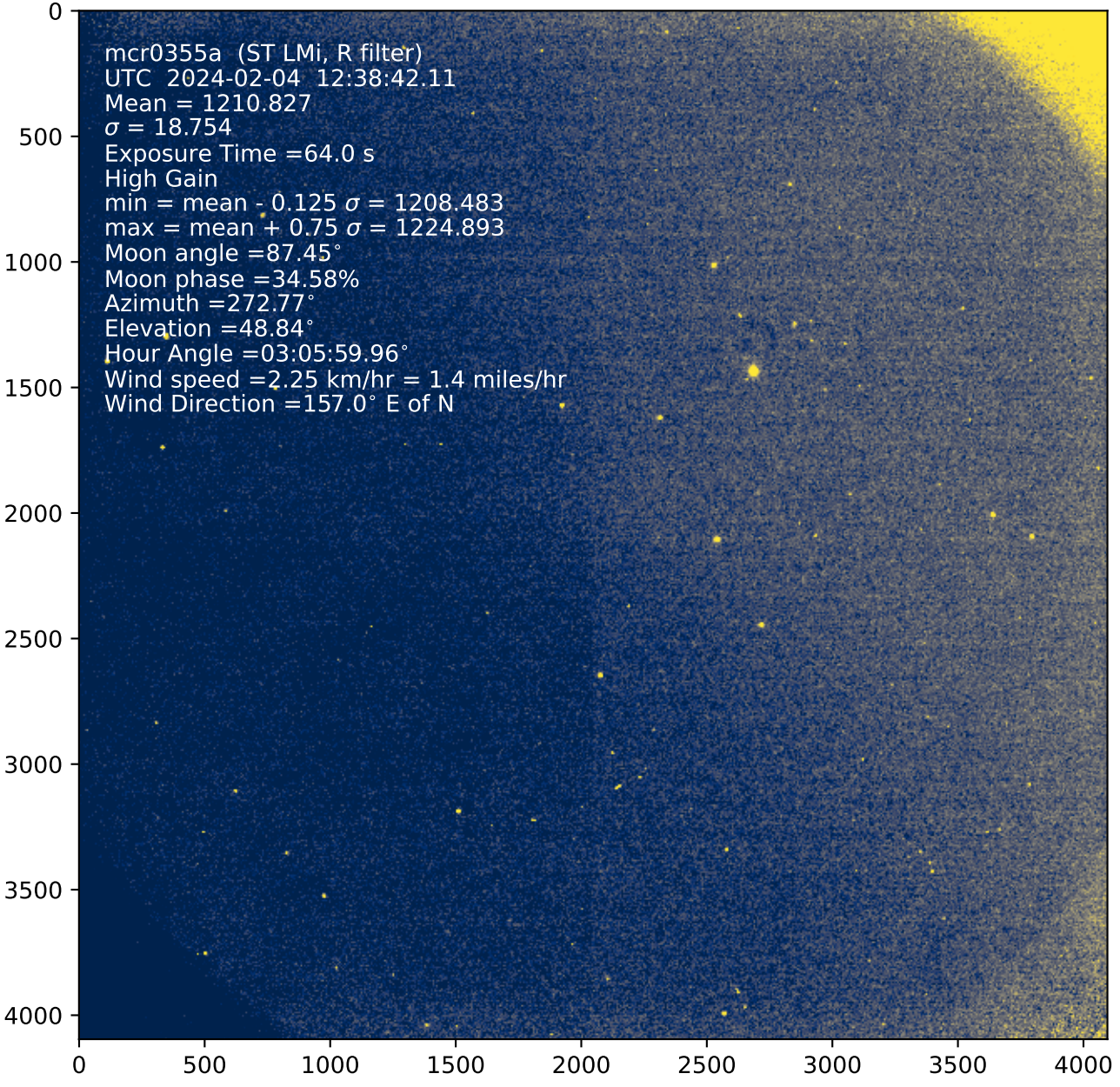

foc0351f (Focus, G filter)
UTC 2024-02-04 12:25:35.250
Mean = 1043.941
σ = 134.785
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1027.093
max = mean + 0.75 σ = 1145.029
Moon angle =70.18°
Moon phase =34.67%
Azimuth =265.58°
Elevation =77.4°
Hour Angle =00:58:07.24°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

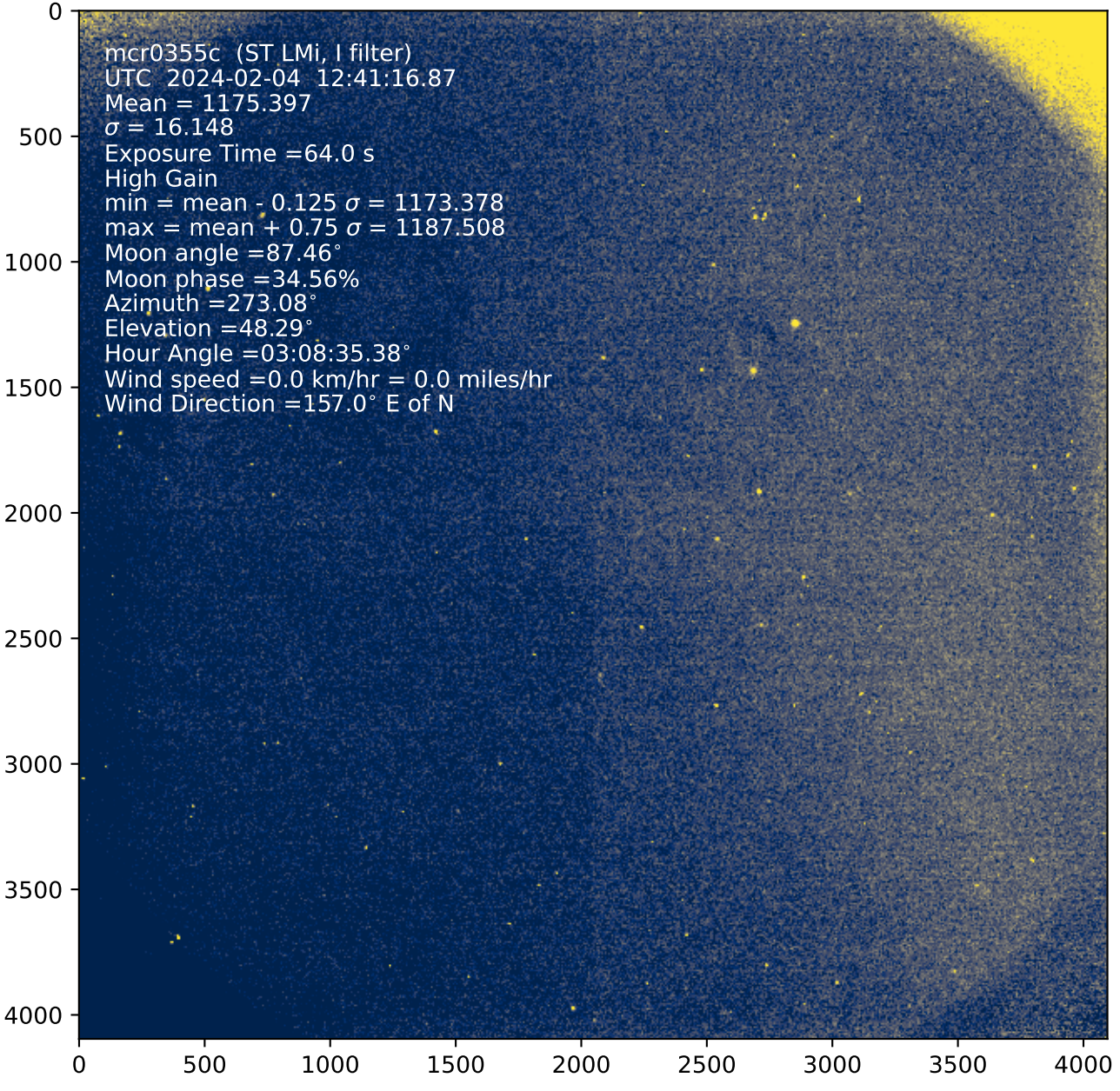

mmb0352f (SN2024gy, 6 filter)
UTC 2024-02-04 12:27:30.93
Mean = 1023.973
σ = 59.527
Exposure Time =128.0 s
High Gain
min = mean - 0.125 σ = 1016.532
max = mean + 0.75 σ = 1068.618
Moon angle =67.0°
Moon phase =34.66%
Azimuth =238.05°
Elevation =59.58°
Hour Angle =01:44:40.09°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

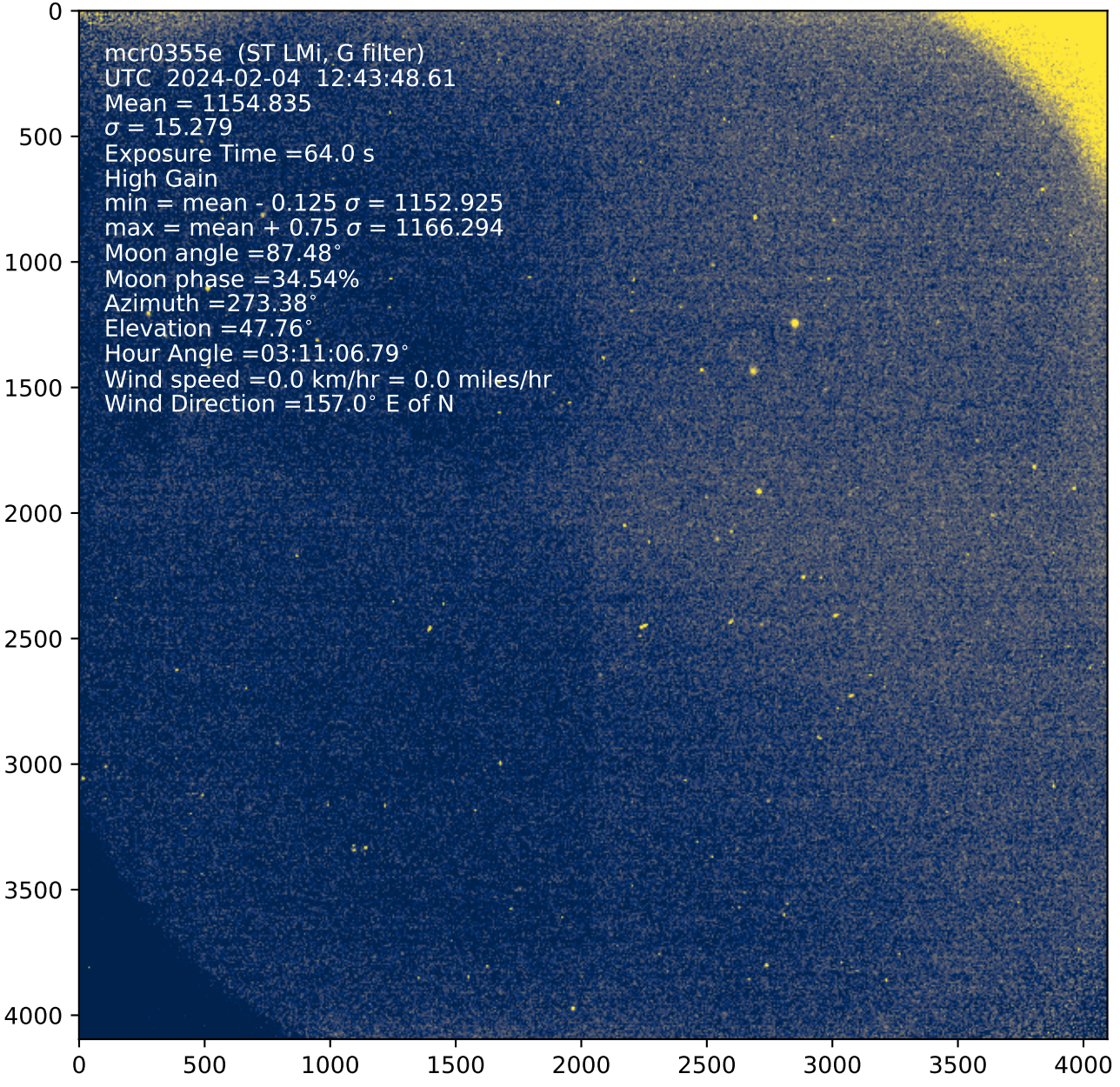

mmb03529 (SN2024gy, G filter)
UTC 2024-02-04 12:31:14.099
Mean = 1012.439
σ = 19.496
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1010.002
max = mean + 0.75 σ = 1027.061
Moon angle =67.02°
Moon phase =34.63%
Azimuth =239.24°
Elevation =58.91°
Hour Angle =01:48:23.70°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

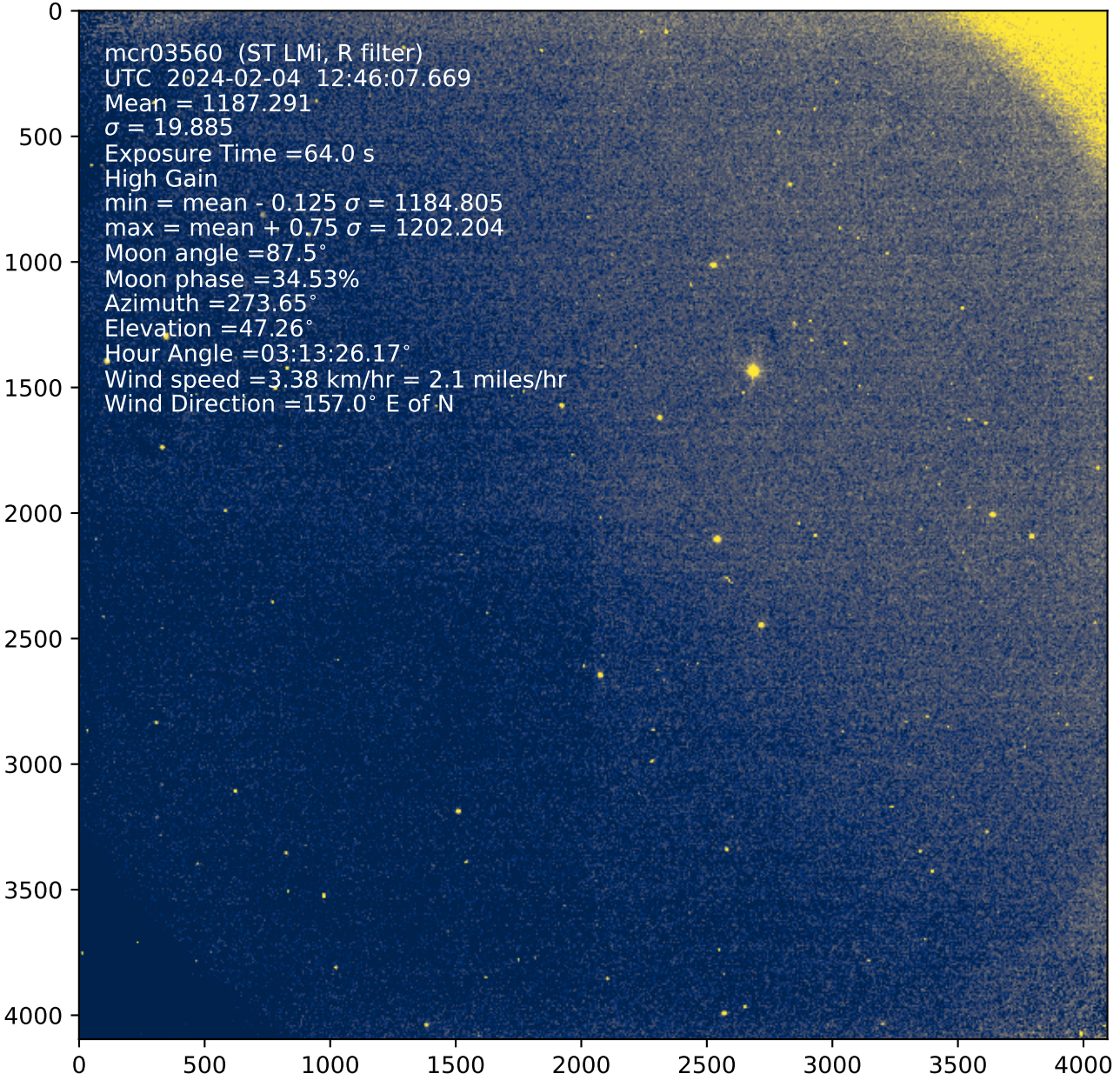

mcr03557 (ST LMi, R filter)
UTC 2024-02-04 12:35:12.710
Mean = 1073.861
σ = 42.202
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1068.586
max = mean + 0.75 σ = 1105.513
Moon angle =87.42°
Moon phase =34.6%
Azimuth =272.35°
Elevation =49.59°
Hour Angle =03:02:29.38°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

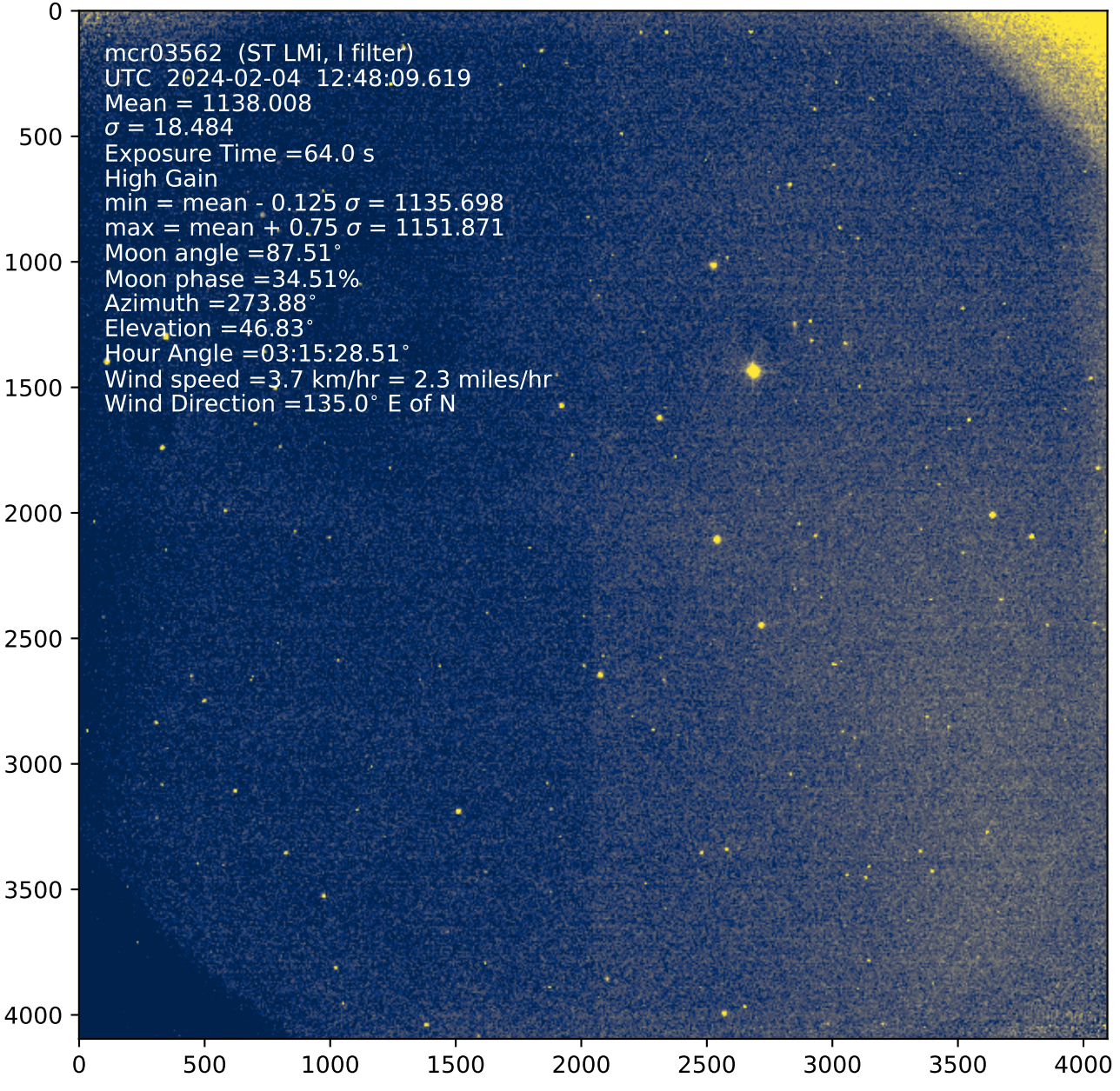

mcr03558 (ST LMi, G filter)
UTC 2024-02-04 12:36:47.310
Mean = 1087.751
σ = 29.227
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1084.097
max = mean + 0.75 σ = 1109.67
Moon angle =87.43°
Moon phase =34.59%
Azimuth =272.54°
Elevation =49.25°
Hour Angle =03:04:04.64°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

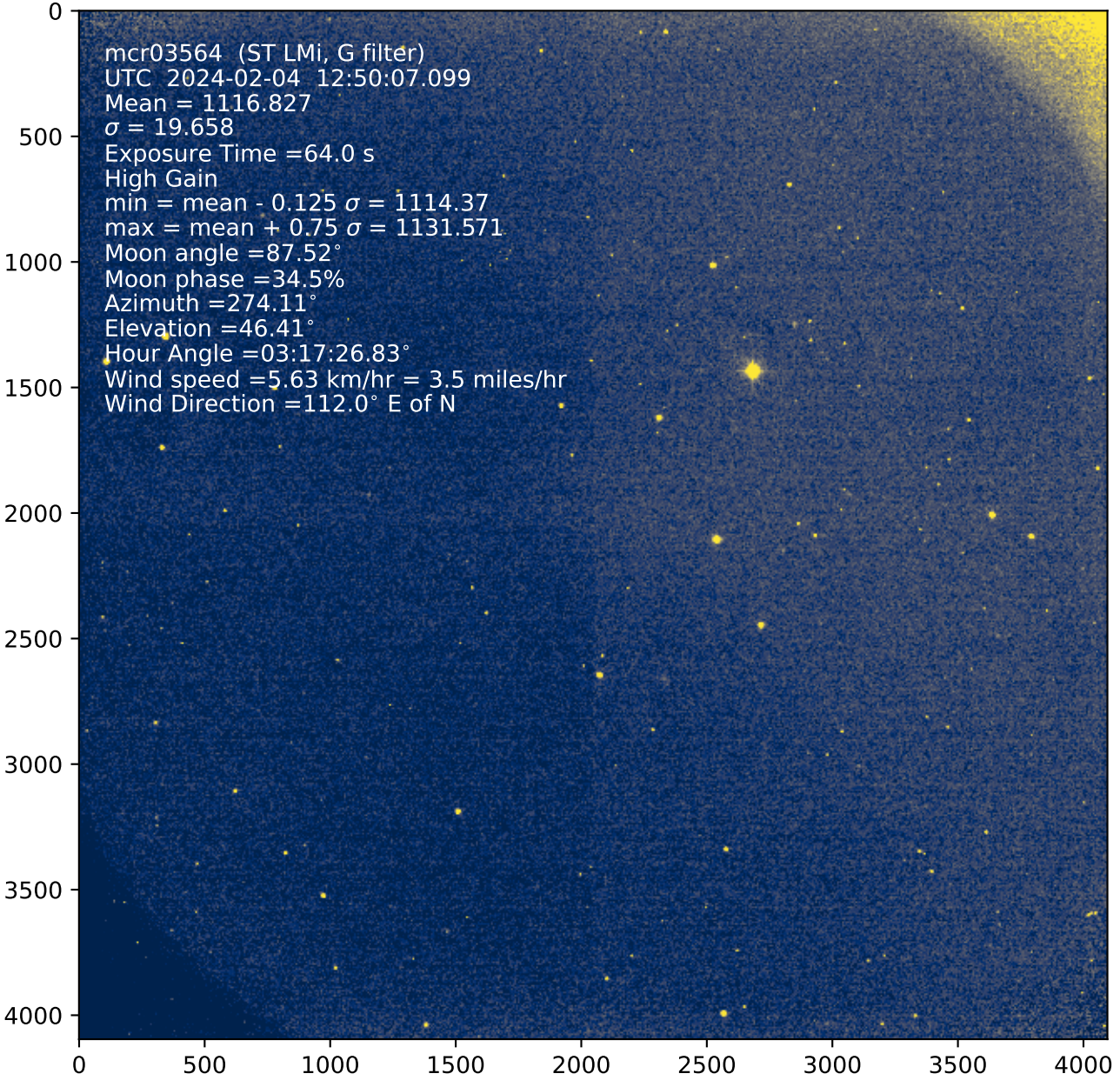

mcr0355a (ST LMi, R filter)
UTC 2024-02-04 12:38:42.11
Mean = 1210.827
σ = 18.754
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1208.483
max = mean + 0.75 σ = 1224.893
Moon angle =87.45°
Moon phase =34.58%
Azimuth =272.77°
Elevation =48.84°
Hour Angle =03:05:59.96°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

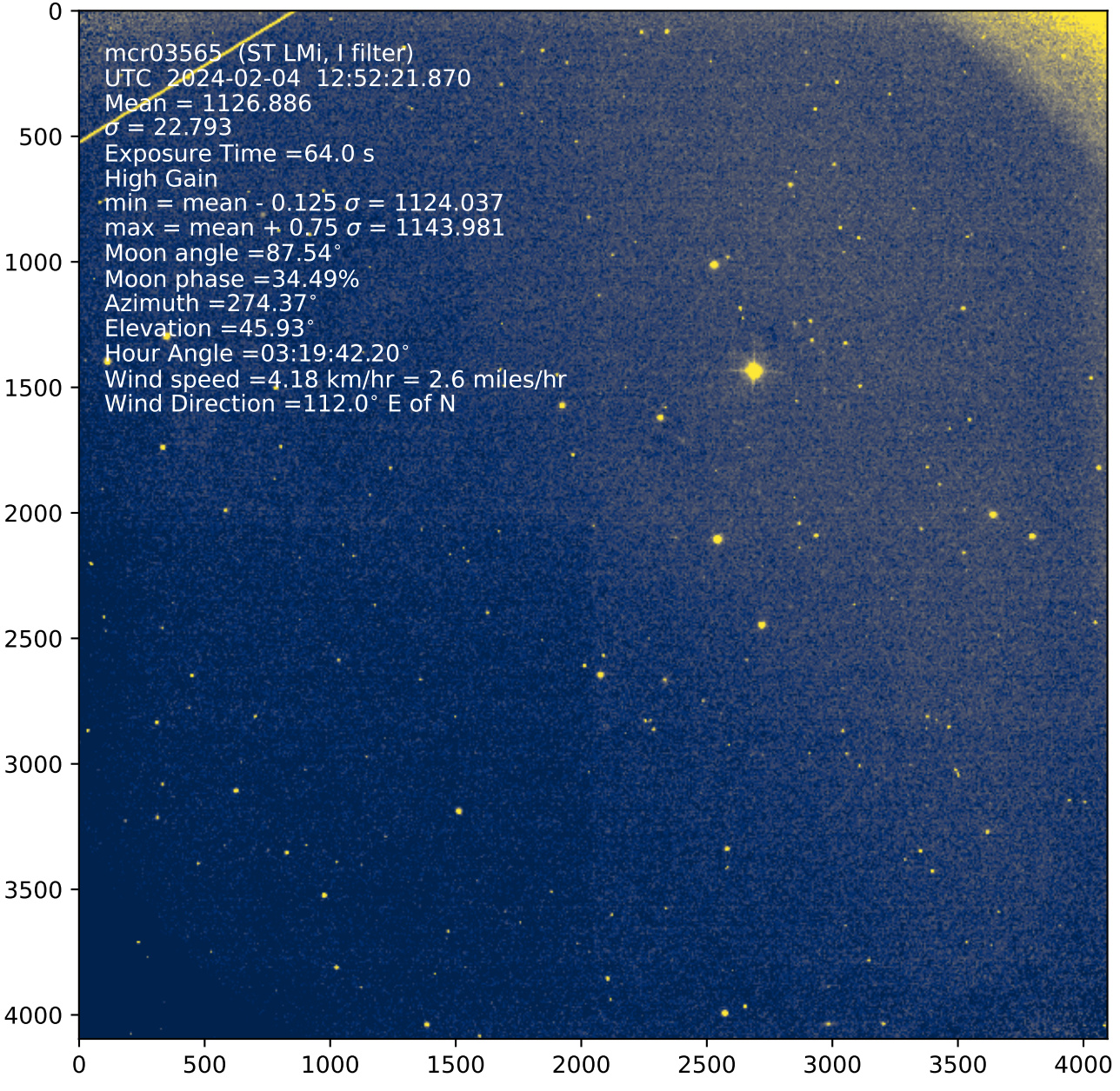

mcr0355c (ST LMi, I filter)
UTC 2024-02-04 12:41:16.87
Mean = 1175.397
σ = 16.148
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1173.378
max = mean + 0.75 σ = 1187.508
Moon angle =87.46°
Moon phase =34.56%
Azimuth =273.08°
Elevation =48.29°
Hour Angle =03:08:35.38°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

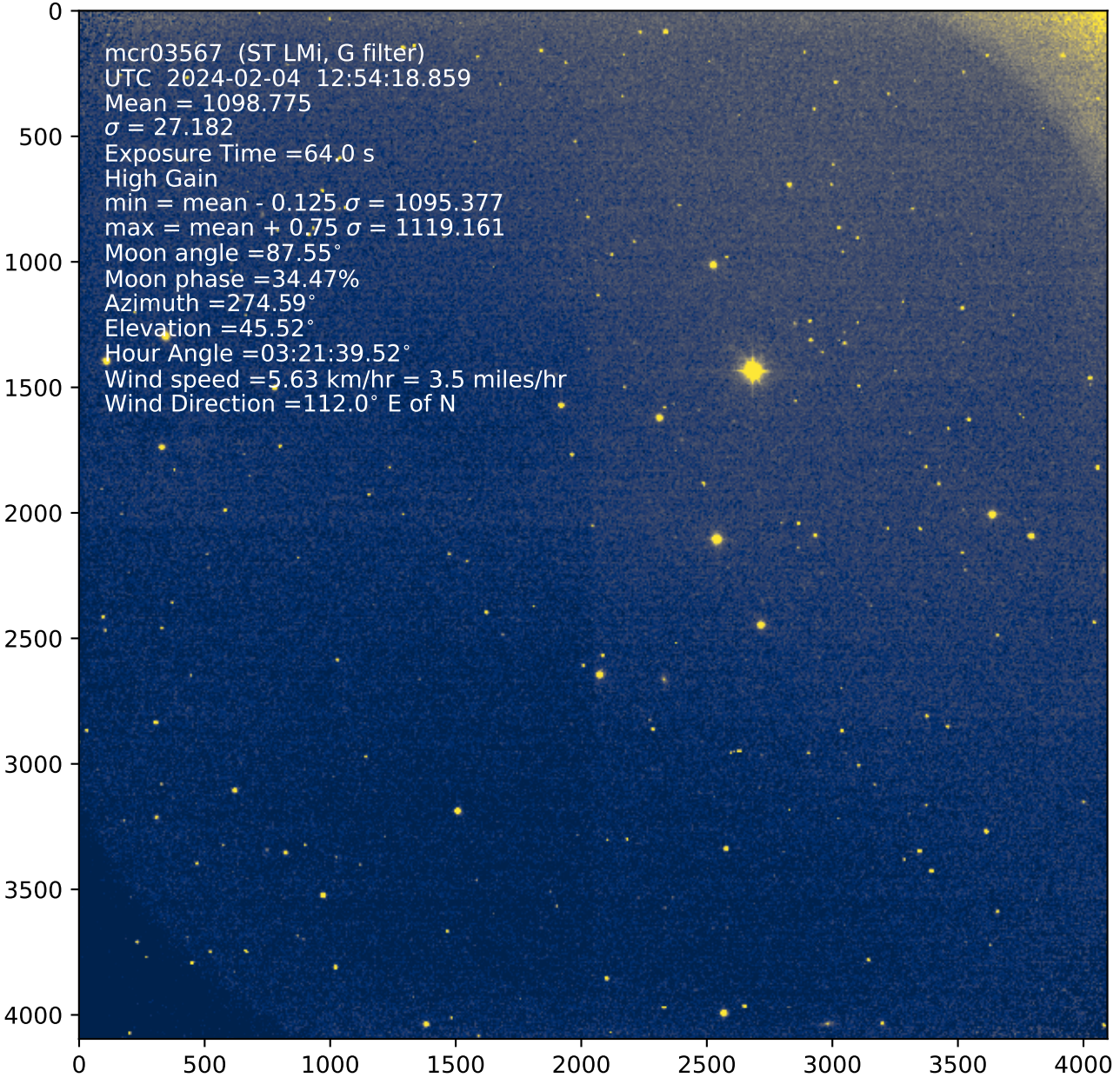

mcr0355e (ST LMi, G filter)
UTC 2024-02-04 12:43:48.61
Mean = 1154.835
σ = 15.279
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1152.925
max = mean + 0.75 σ = 1166.294
Moon angle =87.48°
Moon phase =34.54%
Azimuth =273.38°
Elevation =47.76°
Hour Angle =03:11:06.79°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

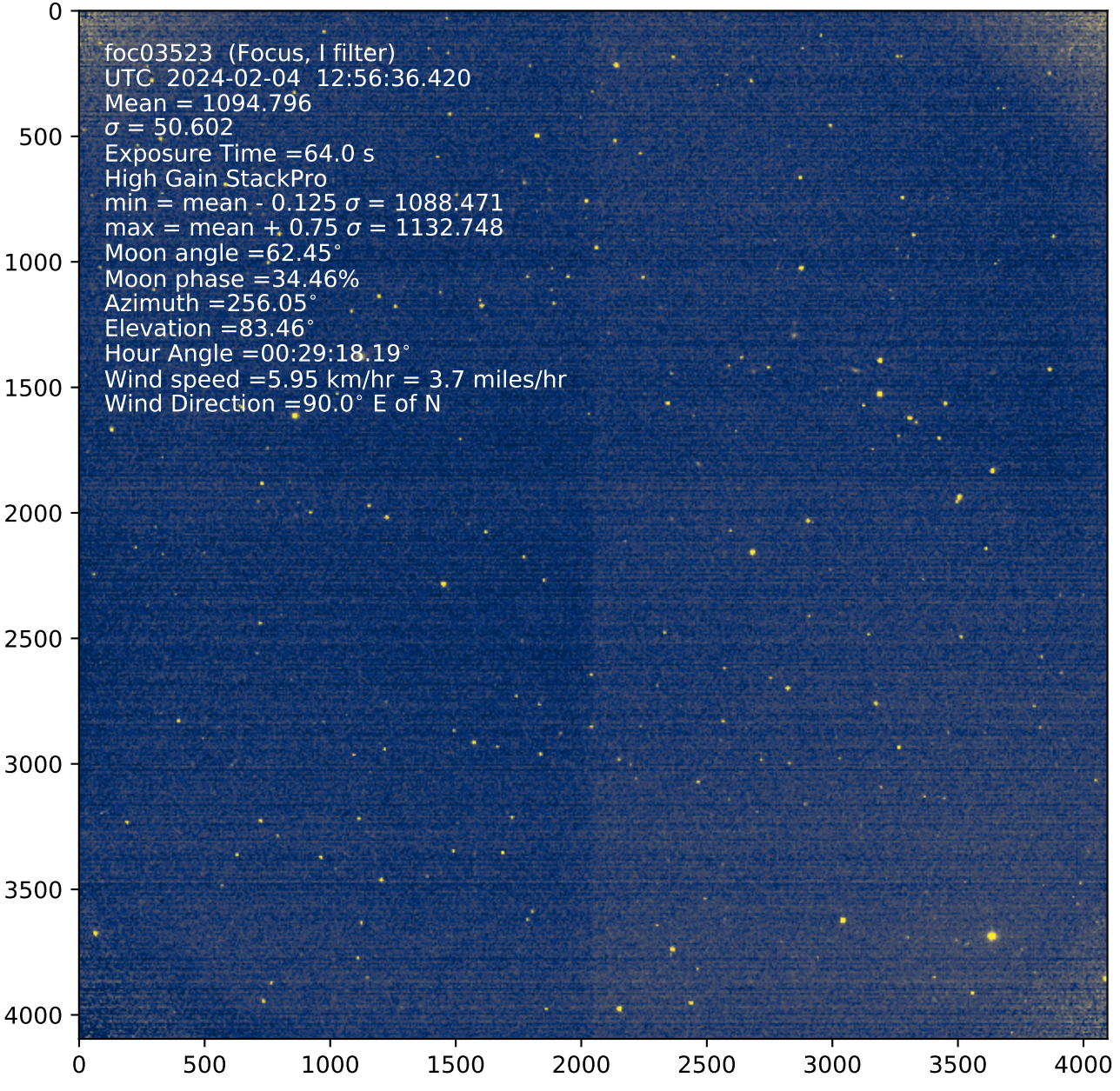

mcr03560 (ST LMi, R filter)
UTC 2024-02-04 12:46:07.669
Mean = 1187.291
σ = 19.885
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1184.805
max = mean + 0.75 σ = 1202.204
Moon angle =87.5°
Moon phase =34.53%
Azimuth =273.65°
Elevation =47.26°
Hour Angle =03:13:26.17°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

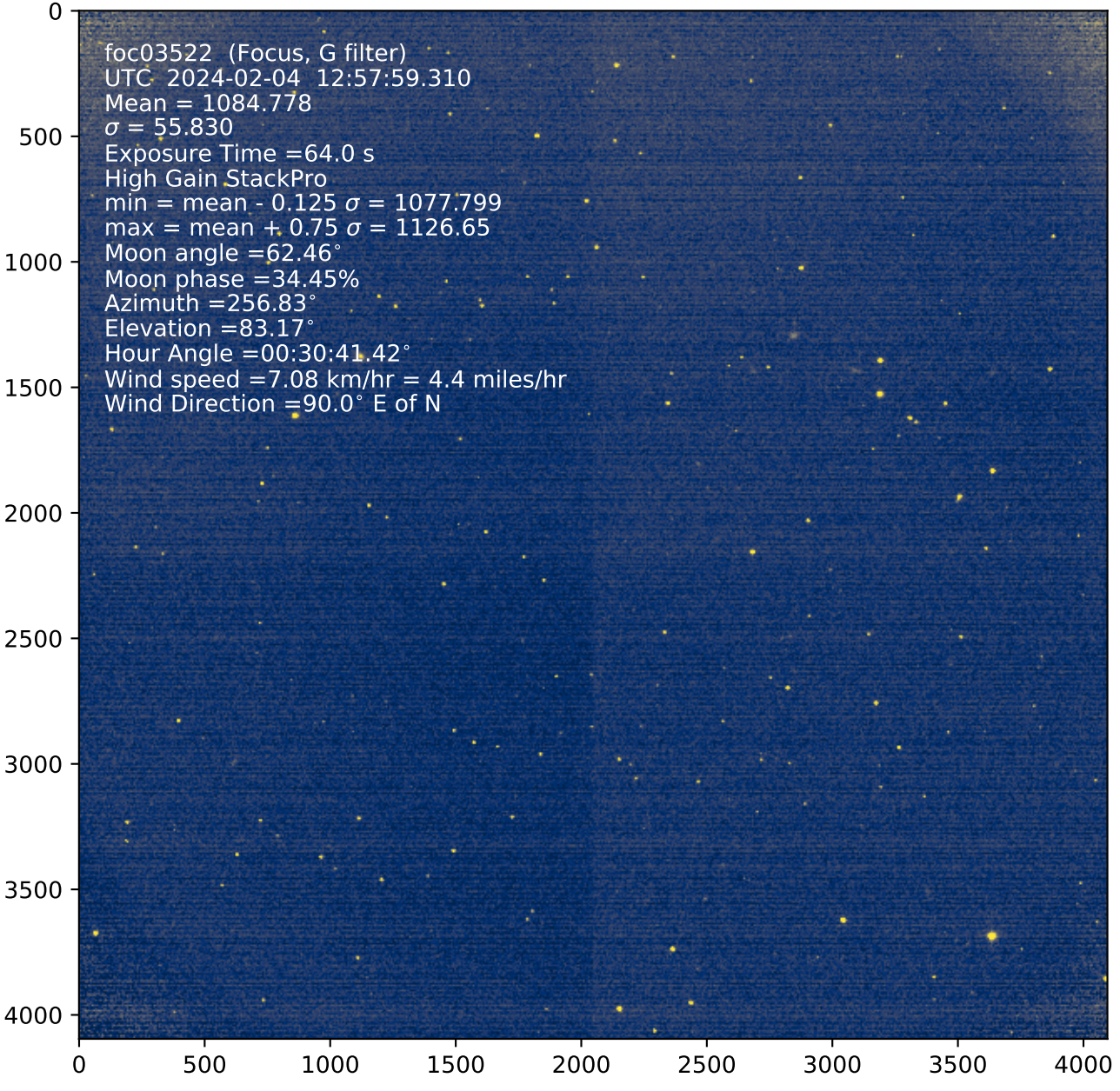

mcr03562 (ST LMi, I filter)
UTC 2024-02-04 12:48:09.619
Mean = 1138.008
σ = 18.484
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1135.698
max = mean + 0.75 σ = 1151.871
Moon angle =87.51°
Moon phase =34.51%
Azimuth =273.88°
Elevation =46.83°
Hour Angle =03:15:28.51°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

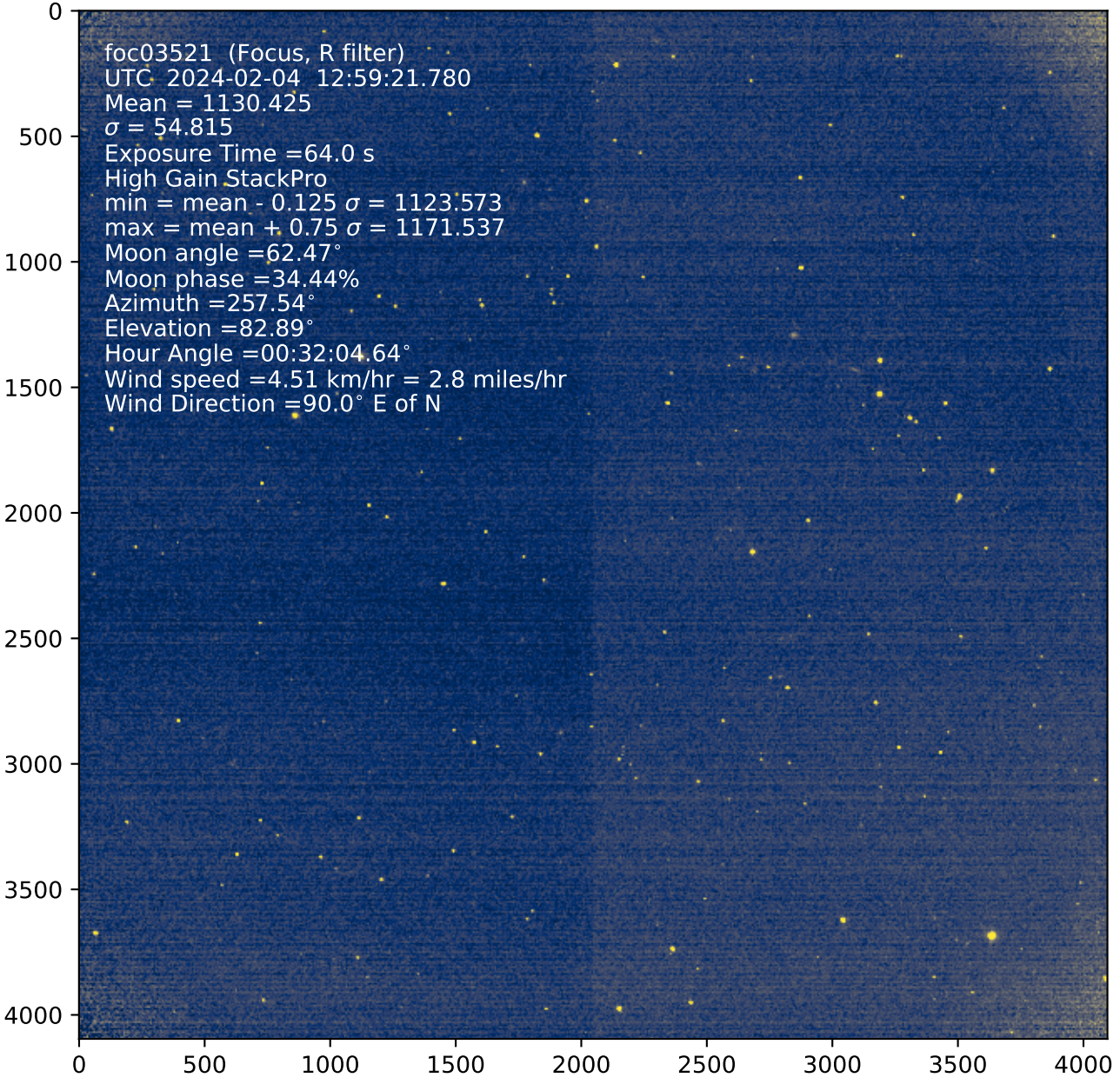

mcr03564 (ST LMi, G filter)
UTC 2024-02-04 12:50:07.099
Mean = 1116.827
σ = 19.658
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1114.37
max = mean + 0.75 σ = 1131.571
Moon angle =87.52°
Moon phase =34.5%
Azimuth =274.11°
Elevation =46.41°
Hour Angle =03:17:26.83°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

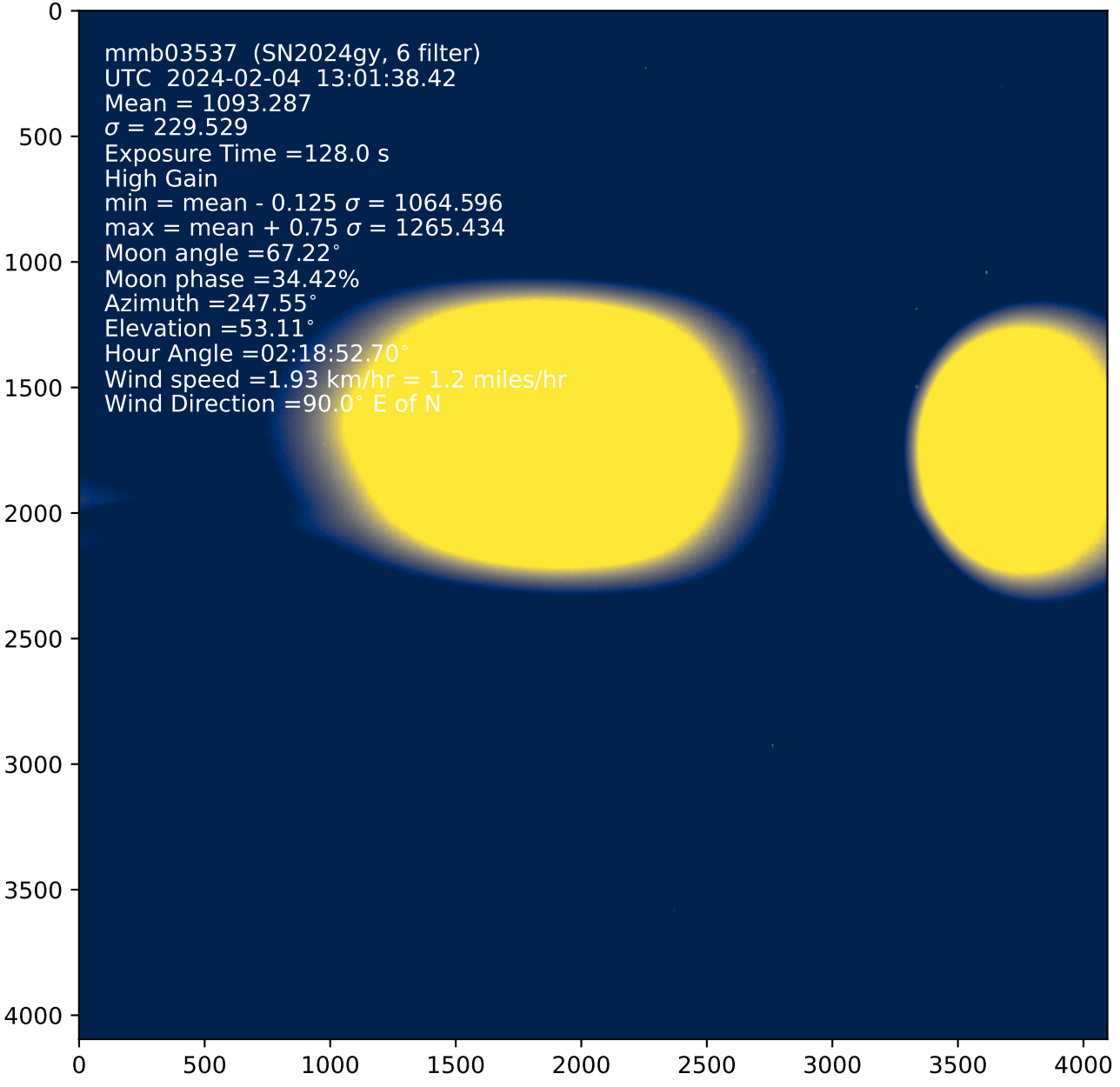

mcr03565 (ST LMi, I filter)
UTC 2024-02-04 12:52:21.870
Mean = 1126.886
σ = 22.793
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1124.037
max = mean + 0.75 σ = 1143.981
Moon angle =87.54°
Moon phase =34.49%
Azimuth =274.37°
Elevation =45.93°
Hour Angle =03:19:42.20°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

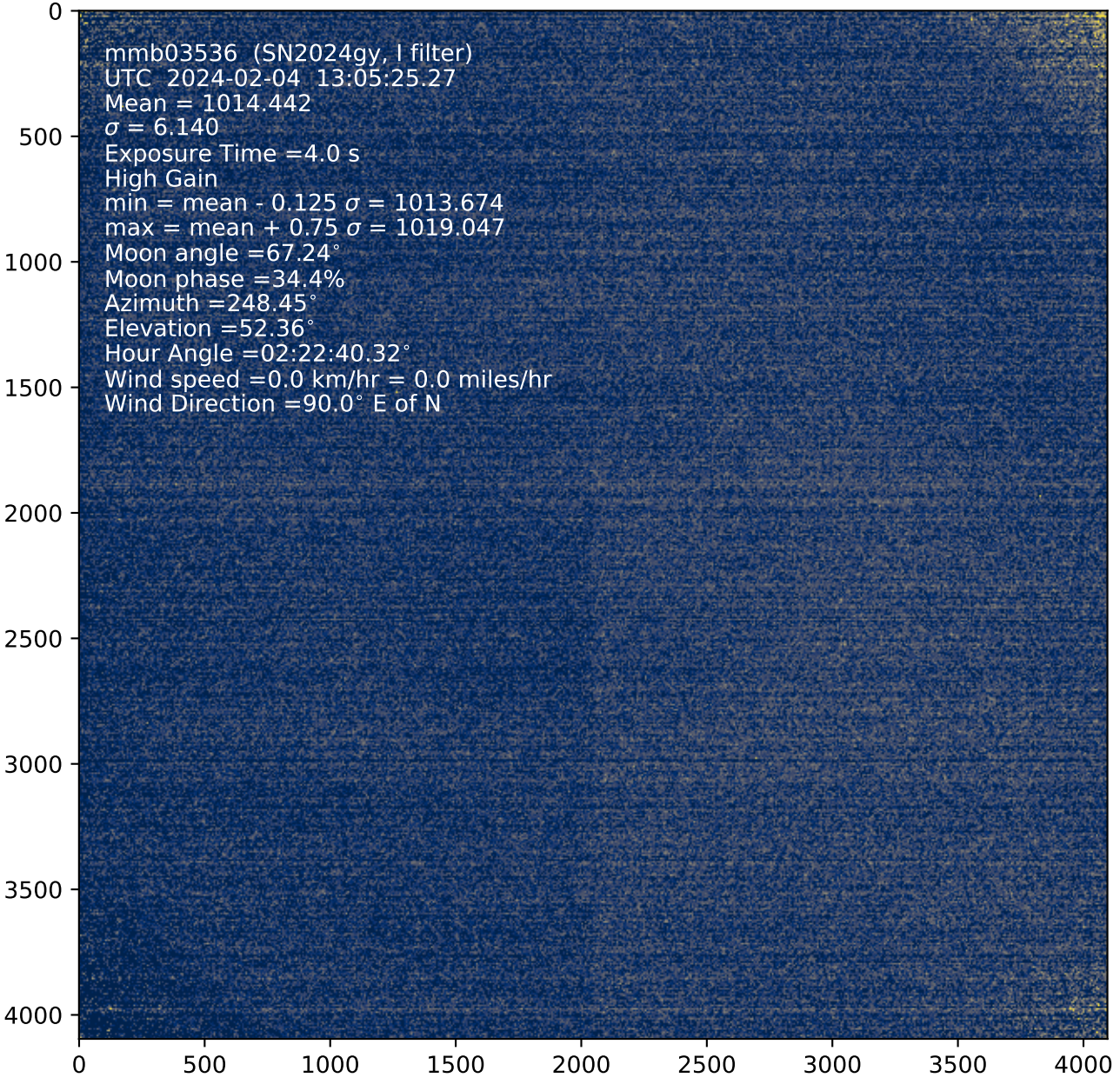

mcr03567 (ST LMi, G filter)
UTC 2024-02-04 12:54:18.859
Mean = 1098.775
σ = 27.182
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1095.377
max = mean + 0.75 σ = 1119.161
Moon angle =87.55°
Moon phase =34.47%
Azimuth =274.59°
Elevation =45.52°
Hour Angle =03:21:39.52°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

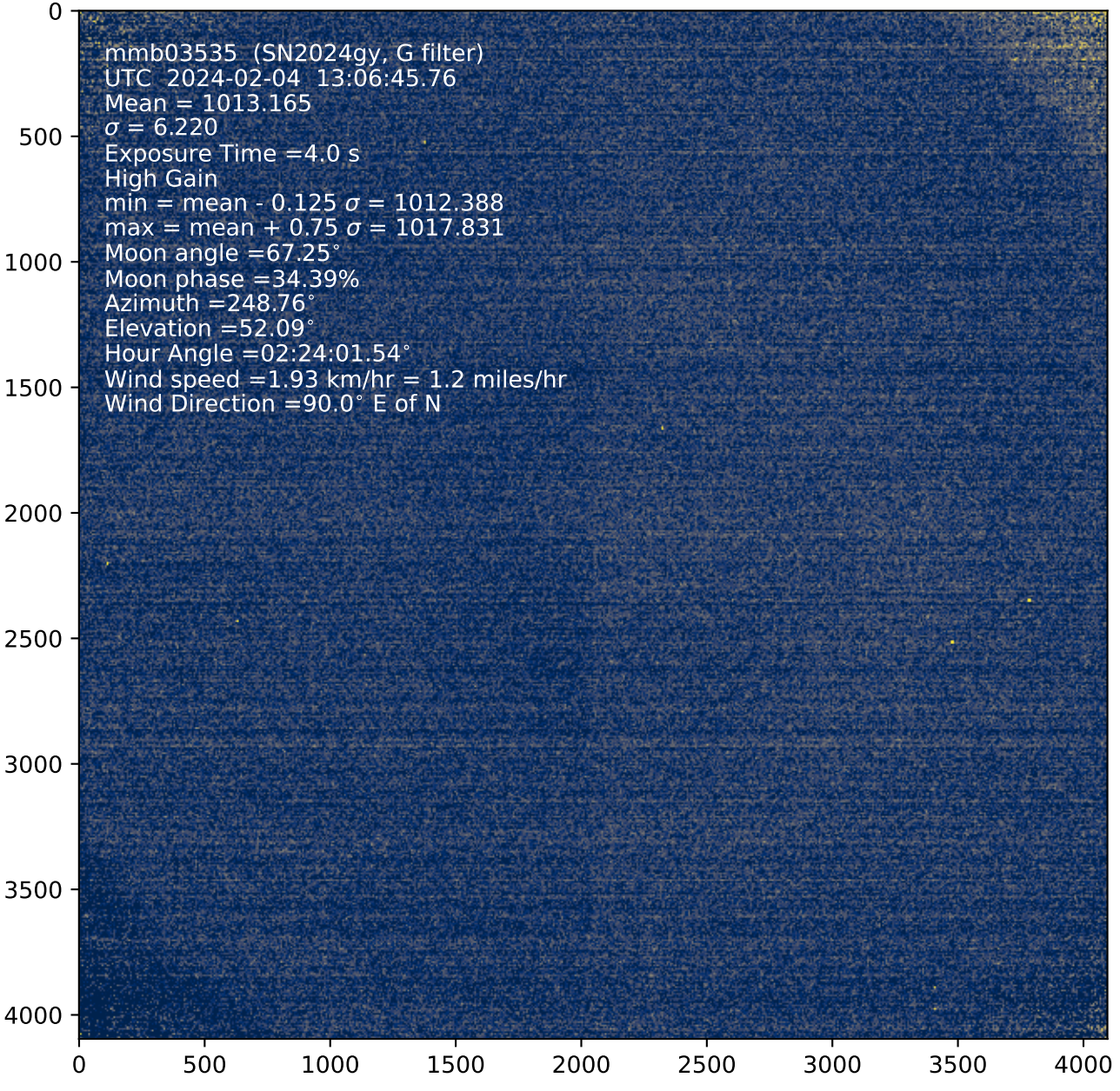

foc03523 (Focus, I filter)
UTC 2024-02-04 12:56:36.420
Mean = 1094.796
σ = 50.602
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1088.471
max = mean + 0.75 σ = 1132.748
Moon angle =62.45°
Moon phase =34.46%
Azimuth =256.05°
Elevation =83.46°
Hour Angle =00:29:18.19°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

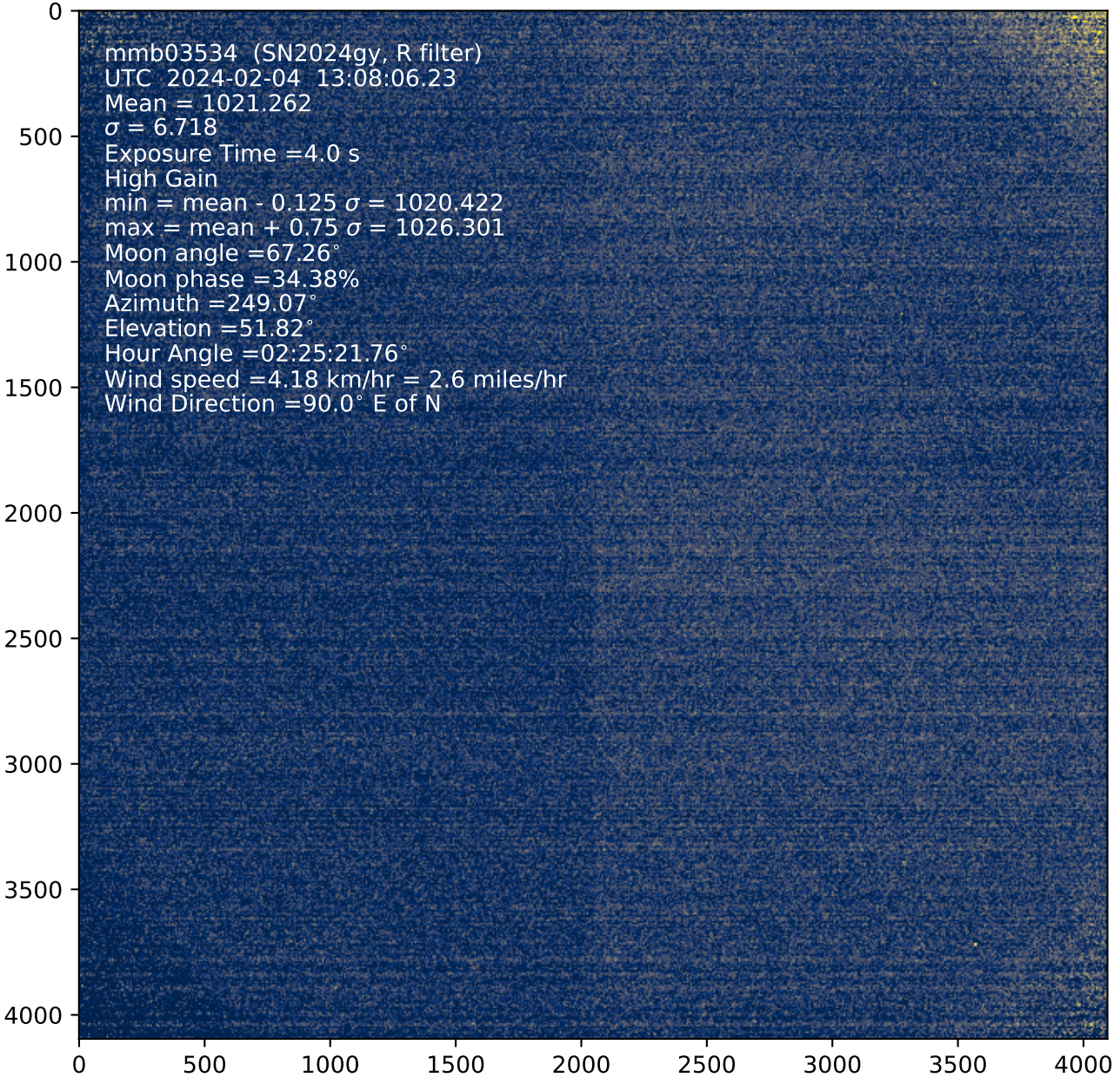

foc03522 (Focus, G filter)
UTC 2024-02-04 12:57:59.310
Mean = 1084.778
σ = 55.830
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1077.799
max = mean + 0.75 σ = 1126.65
Moon angle =62.46°
Moon phase =34.45%
Azimuth =256.83°
Elevation =83.17°
Hour Angle =00:30:41.42°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

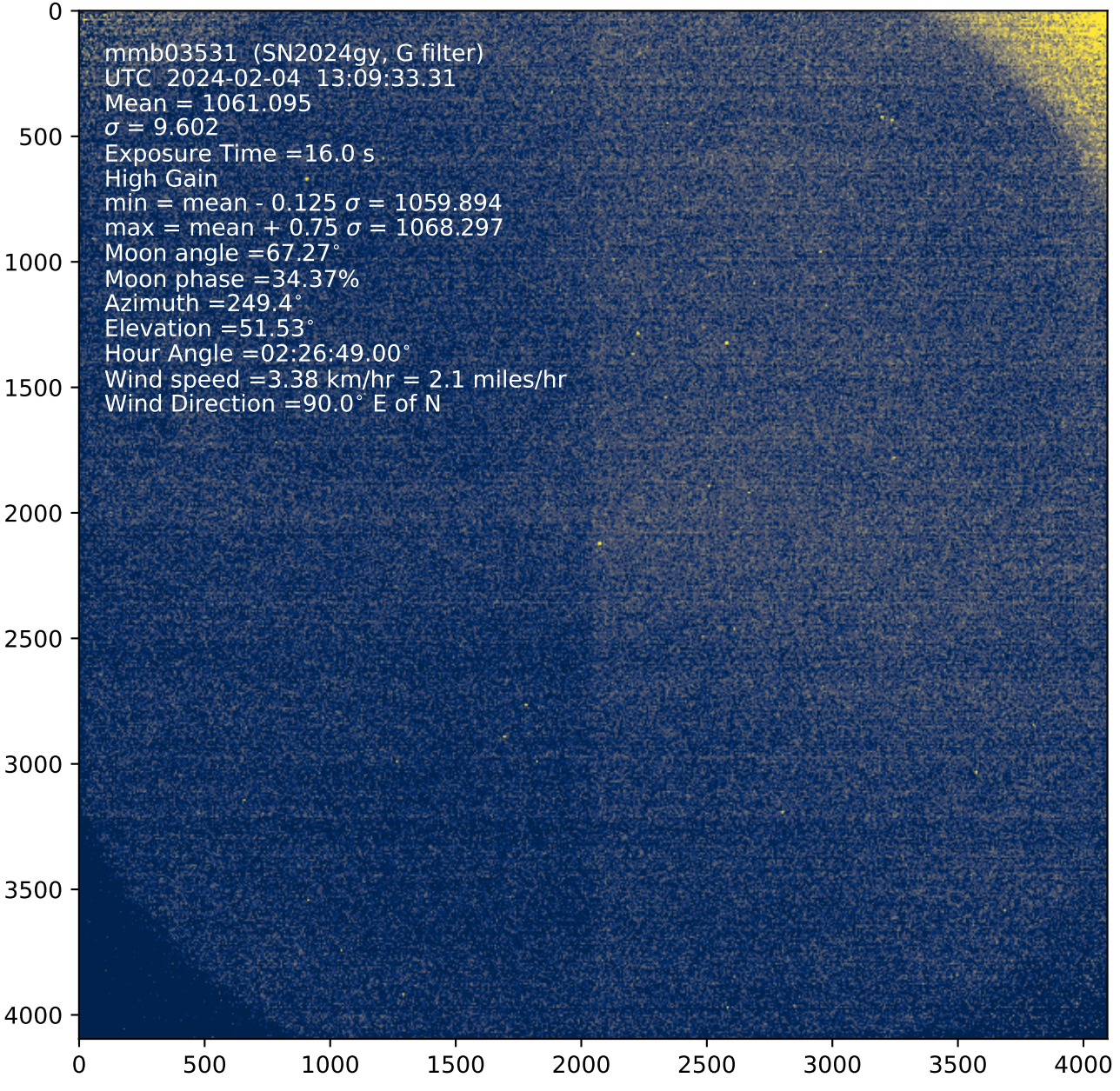

foc03521 (Focus, R filter)
UTC 2024-02-04 12:59:21.780
Mean = 1130.425
σ = 54.815
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1123.573
max = mean + 0.75 σ = 1171.537
Moon angle =62.47°
Moon phase =34.44%
Azimuth =257.54°
Elevation =82.89°
Hour Angle =00:32:04.64°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

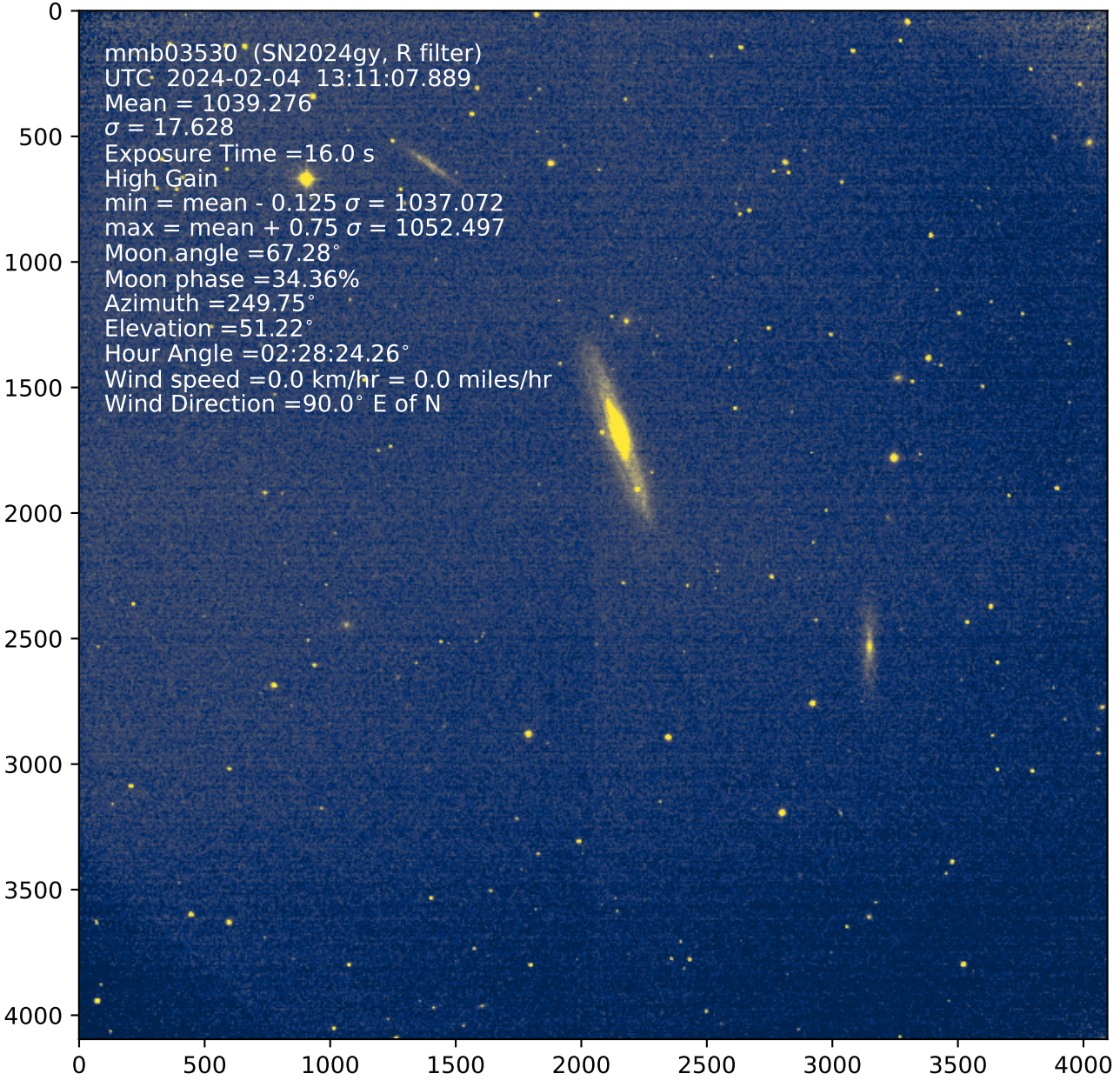

mmb03537 (SN2024gy, 6 filter)
UTC 2024-02-04 13:01:38.42
Mean = 1093.287
σ = 229.529
Exposure Time =128.0 s
High Gain
min = mean - 0.125 σ = 1064.596
max = mean + 0.75 σ = 1265.434
Moon angle =67.22°
Moon phase =34.42%
Azimuth =247.55°
Elevation =53.11°
Hour Angle =02:18:52.70°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

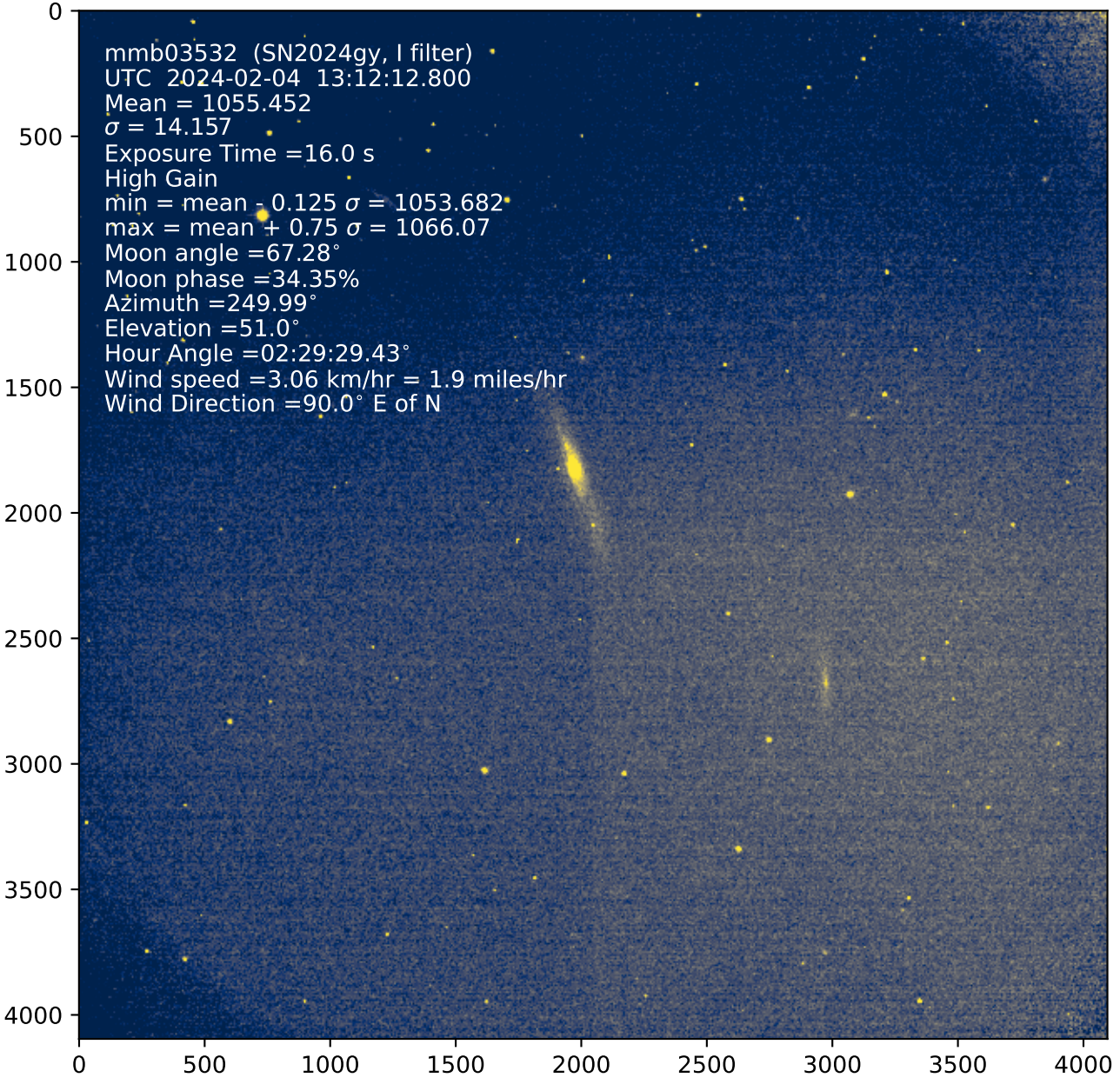

mmb03536 (SN2024gy, I filter)
UTC 2024-02-04 13:05:25.27
Mean = 1014.442
σ = 6.140
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1013.674
max = mean + 0.75 σ = 1019.047
Moon angle =67.24°
Moon phase =34.4%
Azimuth =248.45°
Elevation =52.36°
Hour Angle =02:22:40.32°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

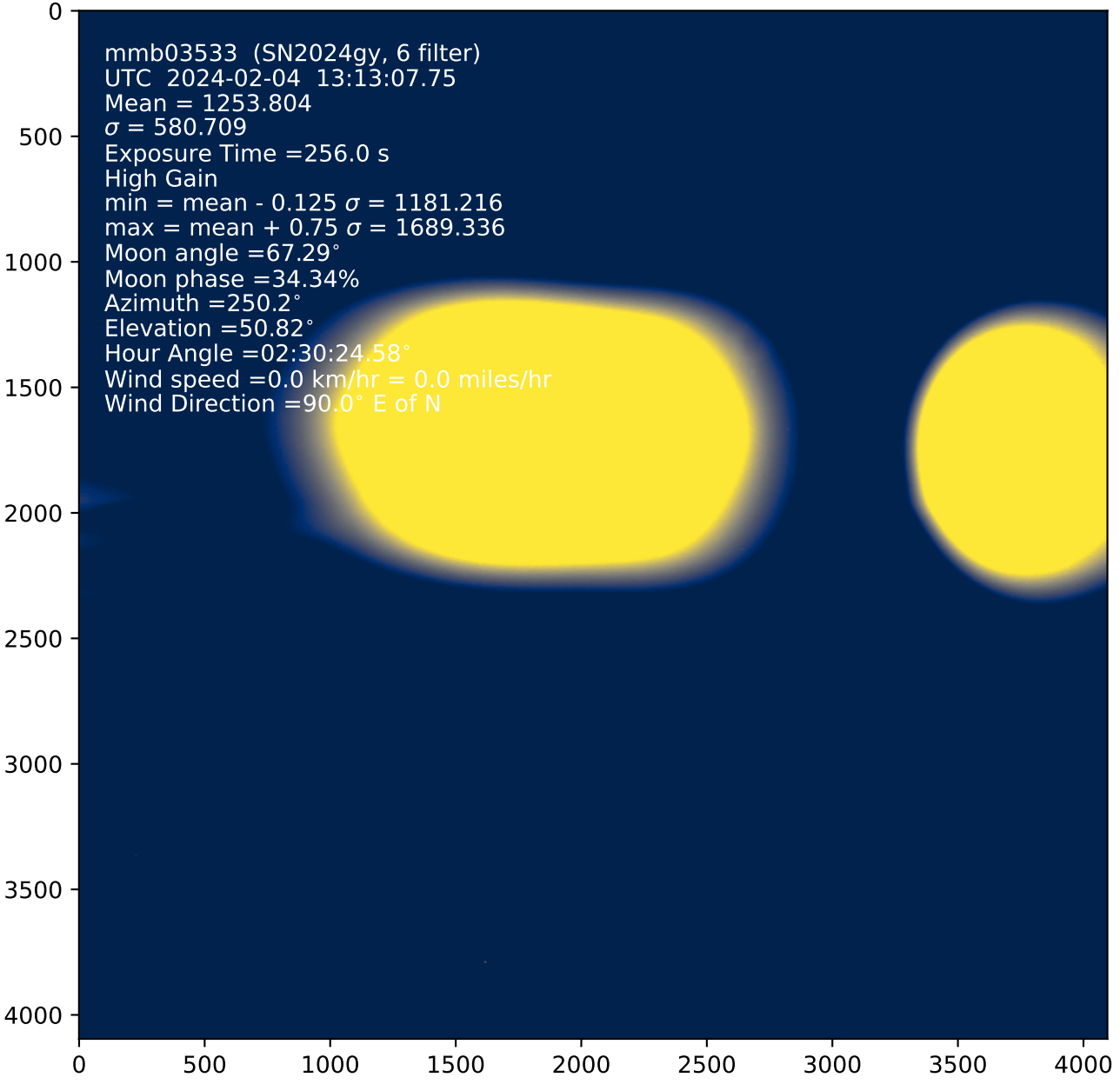

mmb03535 (SN2024gy, G filter)
UTC 2024-02-04 13:06:45.76
Mean = 1013.165
σ = 6.220
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1012.388
max = mean + 0.75 σ = 1017.831
Moon angle =67.25°
Moon phase =34.39%
Azimuth =248.76°
Elevation =52.09°
Hour Angle =02:24:01.54°
Wind speed =1.93 km/hr = 1.2 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


mmb03534 (SN2024gy, R filter)
UTC 2024-02-04 13:08:06.23
Mean = 1021.262
σ = 6.718
Exposure Time =4.0 s
High Gain
min = mean - 0.125 σ = 1020.422
max = mean + 0.75 σ = 1026.301
Moon angle =67.26°
Moon phase =34.38%
Azimuth =249.07°
Elevation =51.82°
Hour Angle =02:25:21.76°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


mmb03531 (SN2024gy, G filter)
UTC 2024-02-04 13:09:33.31
Mean = 1061.095
σ = 9.602
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1059.894
max = mean + 0.75 σ = 1068.297
Moon angle =67.27°
Moon phase =34.37%
Azimuth =249.4°
Elevation =51.53°
Hour Angle =02:26:49.00°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


mmb03530 (SN2024gy, R filter)
UTC 2024-02-04 13:11:07.889
Mean = 1039.276
σ = 17.628
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1037.072
max = mean + 0.75 σ = 1052.497
Moon angle =67.28°
Moon phase =34.36%
Azimuth =249.75°
Elevation =51.22°
Hour Angle =02:28:24.26°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


mmb03532 (SN2024gy, I filter)
UTC 2024-02-04 13:12:12.800
Mean = 1055.452
σ = 14.157
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1053.682
max = mean + 0.75 σ = 1066.07
Moon angle =67.28°
Moon phase =34.35%
Azimuth =249.99°
Elevation =51.0°
Hour Angle =02:29:29.43°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


mmb03533 (SN2024gy, 6 filter)
UTC 2024-02-04 13:13:07.75
Mean = 1253.804
σ = 580.709
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1181.216
max = mean + 0.75 σ = 1689.336
Moon angle =67.29°
Moon phase =34.34%
Azimuth =250.2°
Elevation =50.82°
Hour Angle =02:30:24.58°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000