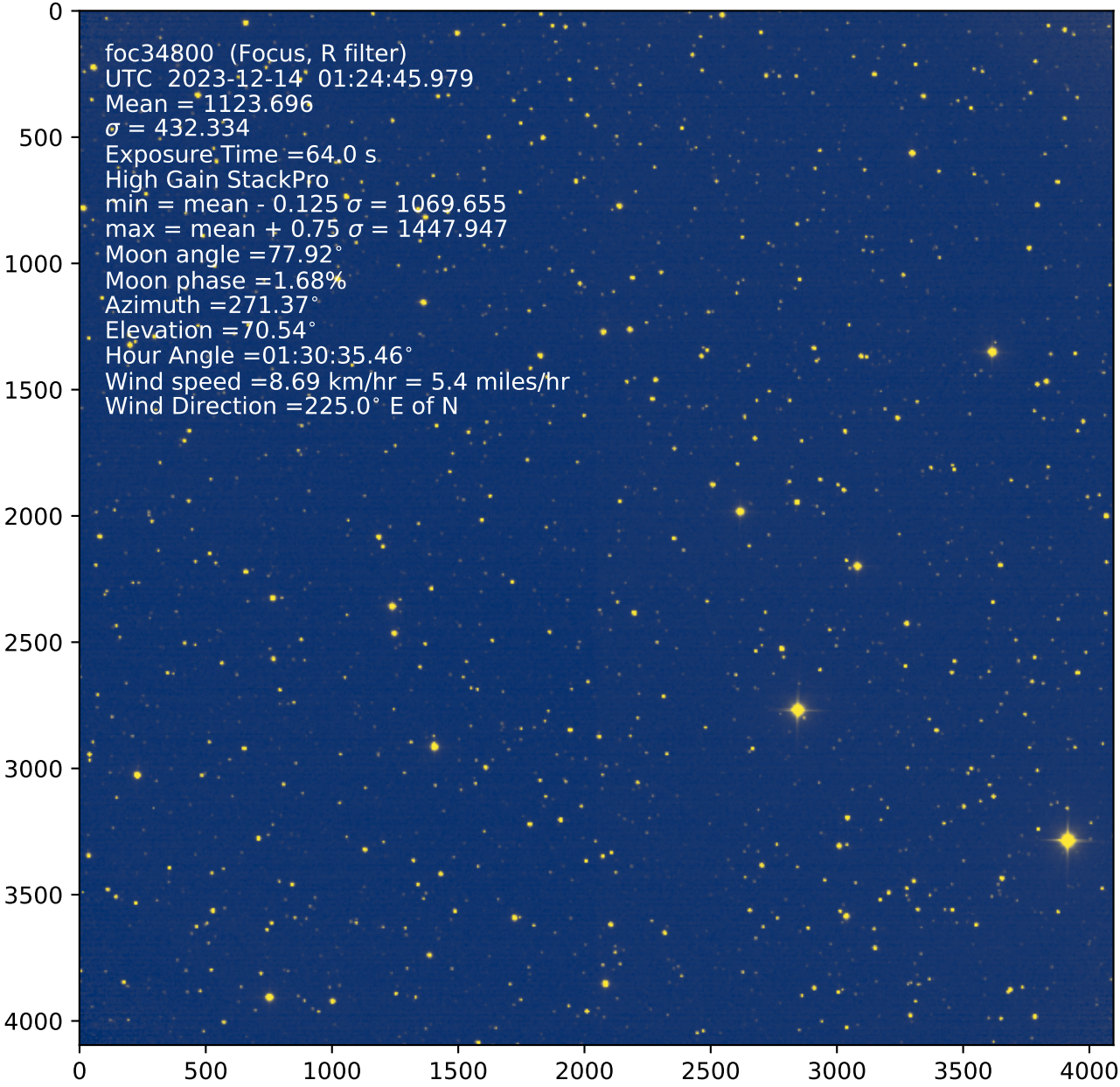
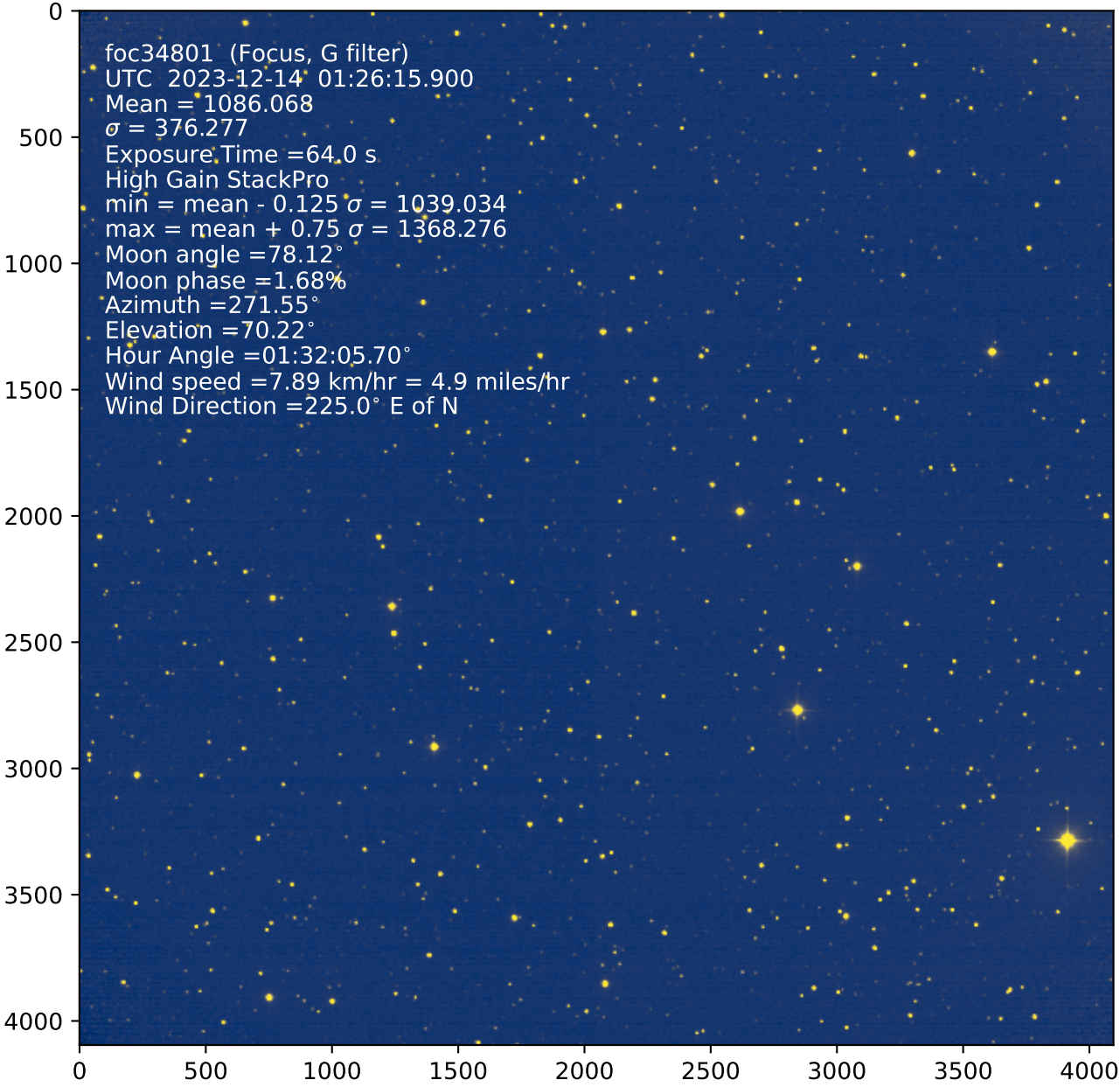

foc34800 (Focus, R filter)
UTC 2023-12-14 01:24:45.979
Mean = 1123.696
σ = 432.334
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1069.655
max = mean + 0.75 σ = 1447.947
Moon angle =77.92°
Moon phase =1.68%
Azimuth =271.37°
Elevation =70.54°
Hour Angle =01:30:35.46°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


foc34801 (Focus, G filter)
UTC 2023-12-14 01:26:15.900
Mean = 1086.068
σ = 376.277
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1039.034
max = mean + 0.75 σ = 1368.276
Moon angle =78.12°
Moon phase =1.68%
Azimuth =271.55°
Elevation =70.22°
Hour Angle =01:32:05.70°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =225.0° E of N
0
500
1000
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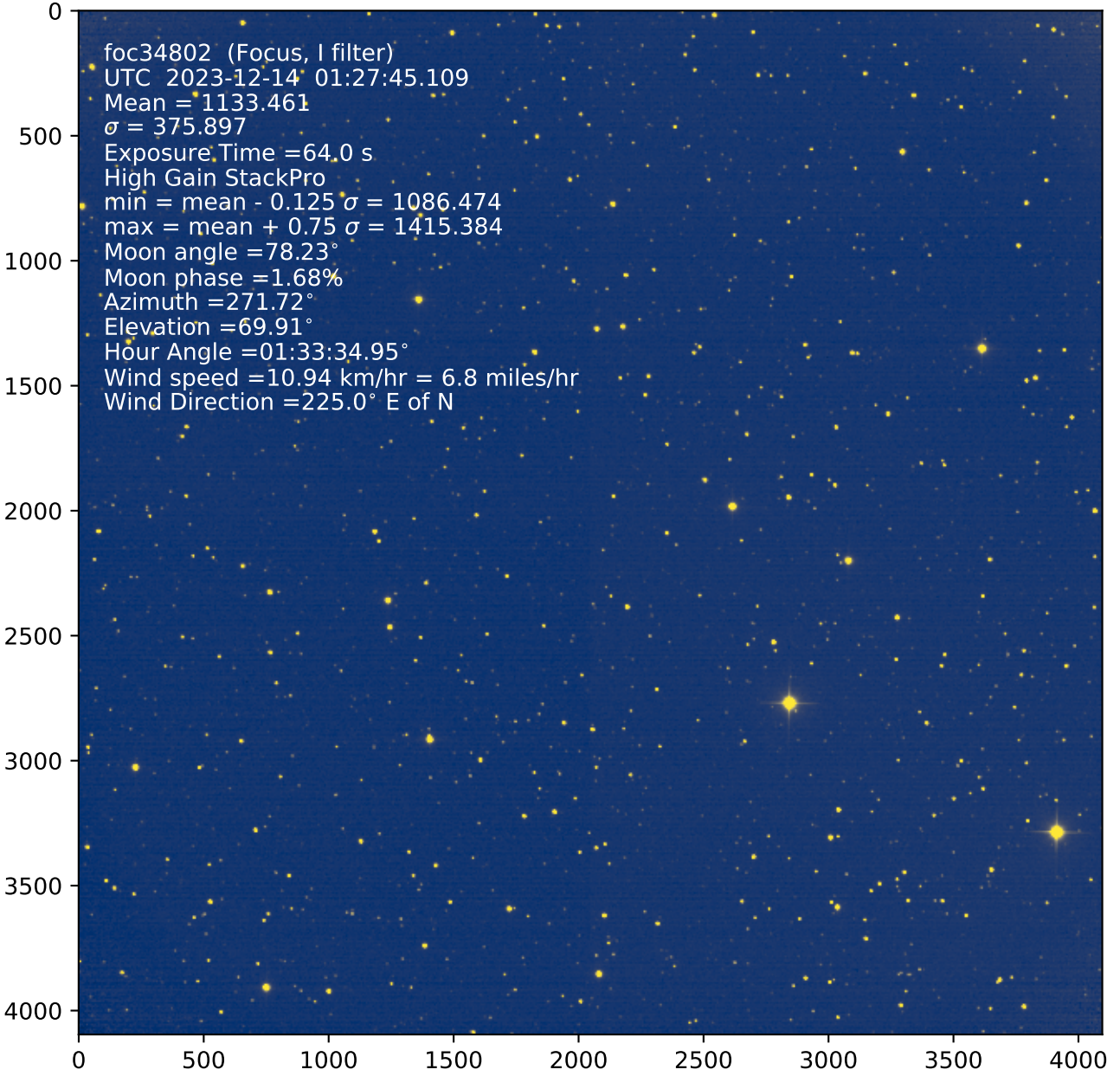
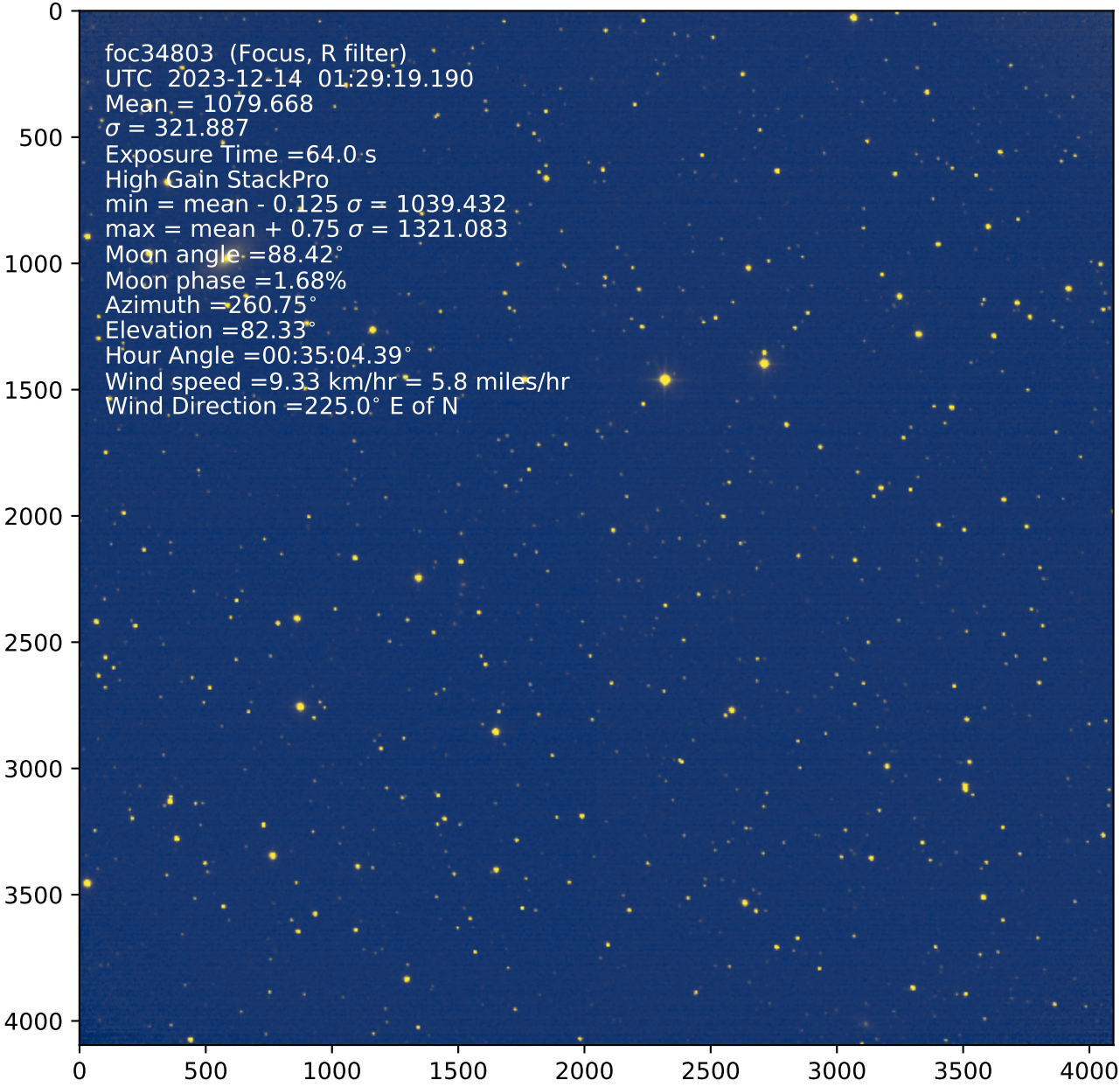
2000
2500
3000
3500
4000


foc34802 (Focus, I filter)
UTC 2023-12-14 01:27:45.109
Mean = 1133.461
σ = 375.897
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1086.474
max = mean + 0.75 σ = 1415.384
Moon angle =78.23°
Moon phase =1.68%
Azimuth =271.72°
Elevation =69.91°
Hour Angle =01:33:34.95°
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


foc34803 (Focus, R filter)
UTC 2023-12-14 01:29:19.190
Mean = 1079.668
σ = 321.887
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1039.432
max = mean + 0.75 σ = 1321.083
Moon angle =88.42°
Moon phase =1.68%
Azimuth =260.75°
Elevation =82.33°
Hour Angle =00:35:04.39°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
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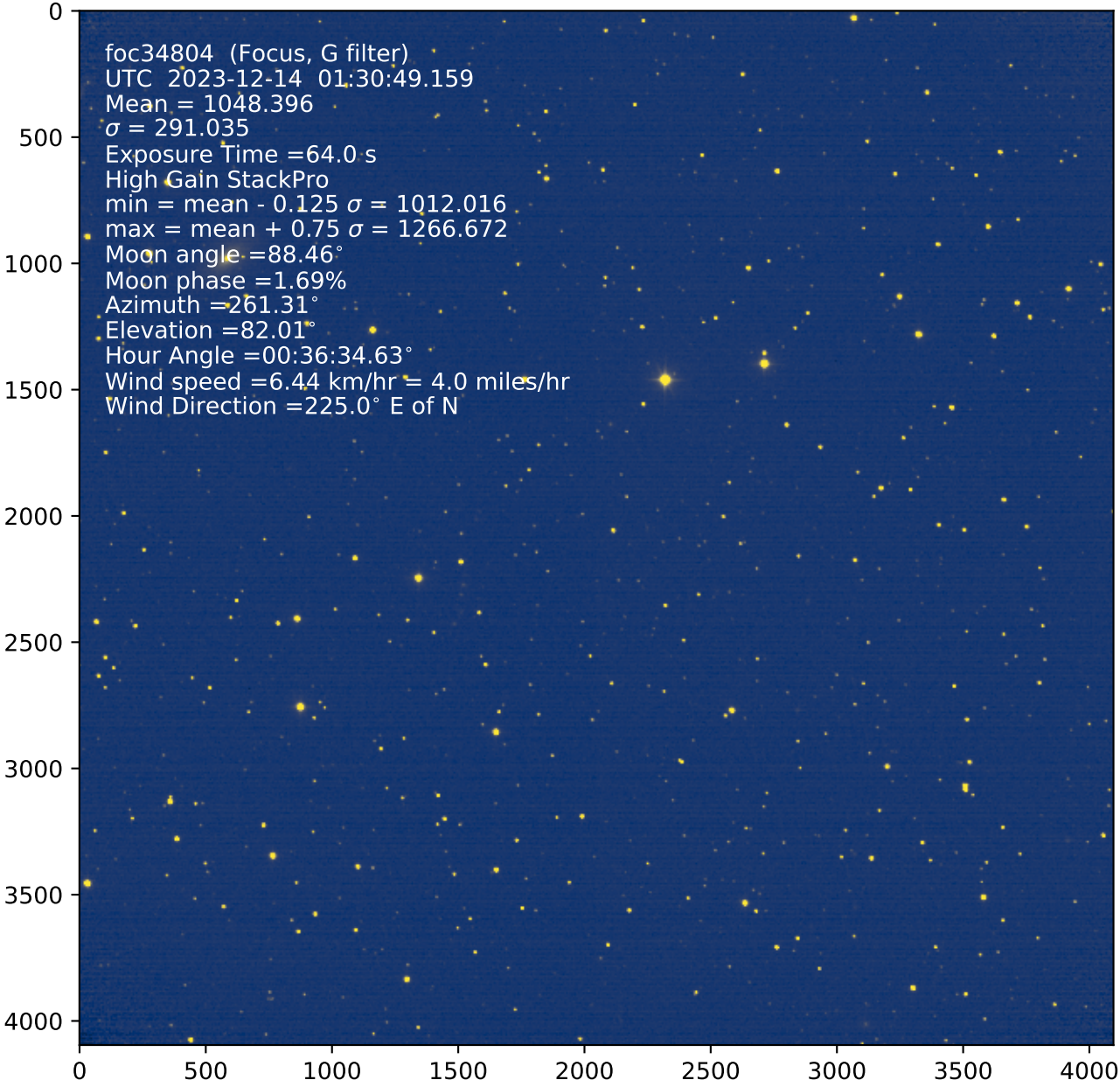
2500
3000
3500
4000


foc34804 (Focus, G filter)
UTC 2023-12-14 01:30:49.159
Mean = 1048.396
σ = 291.035
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1012.016
max = mean + 0.75 σ = 1266.672
Moon angle =88.46°
Moon phase =1.69%
Azimuth =261.31°
Elevation =82.01°
Hour Angle =00:36:34.63°
Wind speed =6.44 km/hr = 4.0 miles/hr
Wind Direction =225.0° E of N
0
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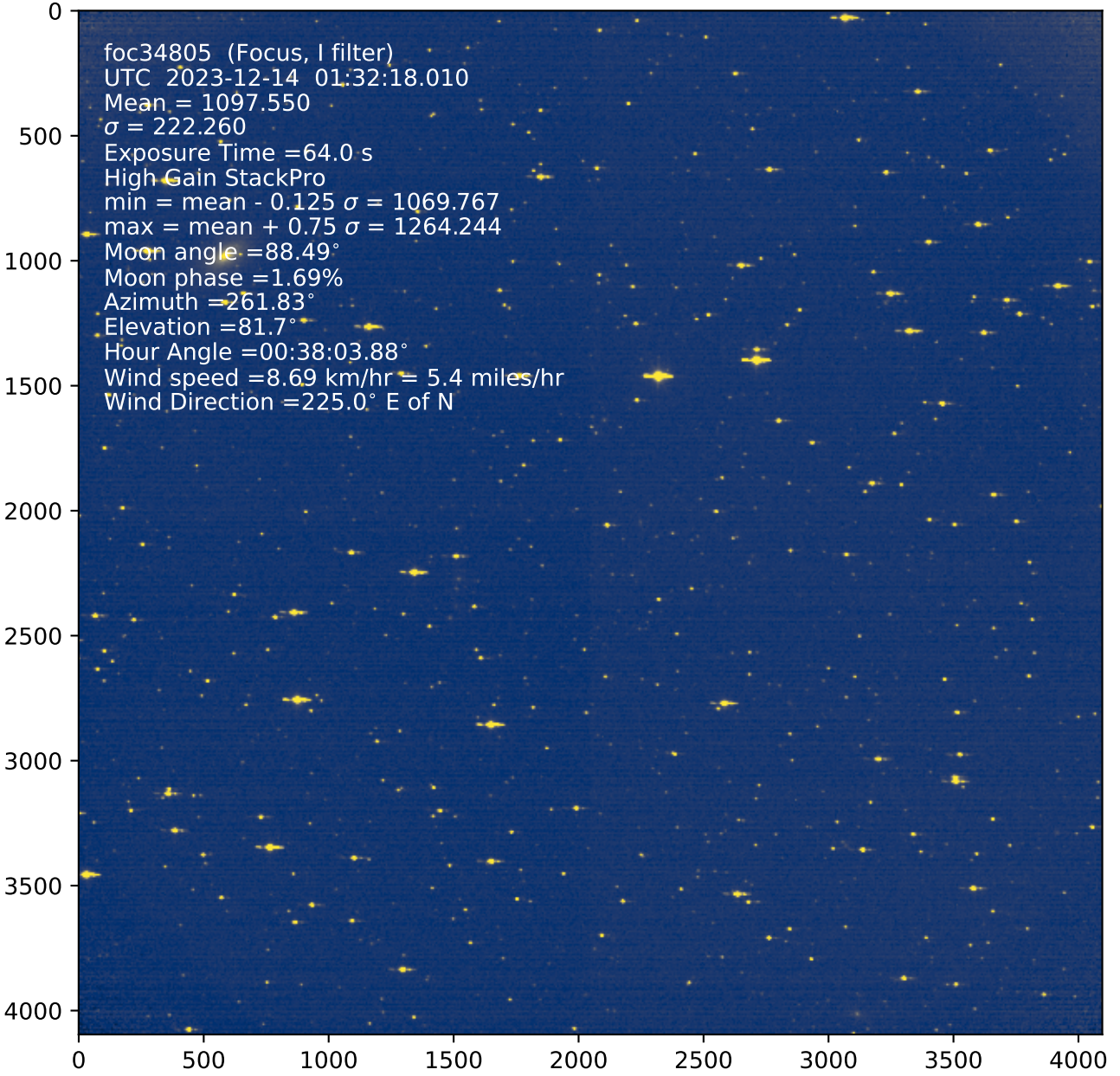
foc34805 (Focus, I filter)
UTC 2023-12-14 01:32:18.010
Mean = 1097.550
σ = 222.260
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1069.767
max = mean + 0.75 σ = 1264.244
Moon angle =88.49°
Moon phase =1.69%
Azimuth =261.83°
Elevation =81.7°
Hour Angle =00:38:03.88°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =225.0° E of N
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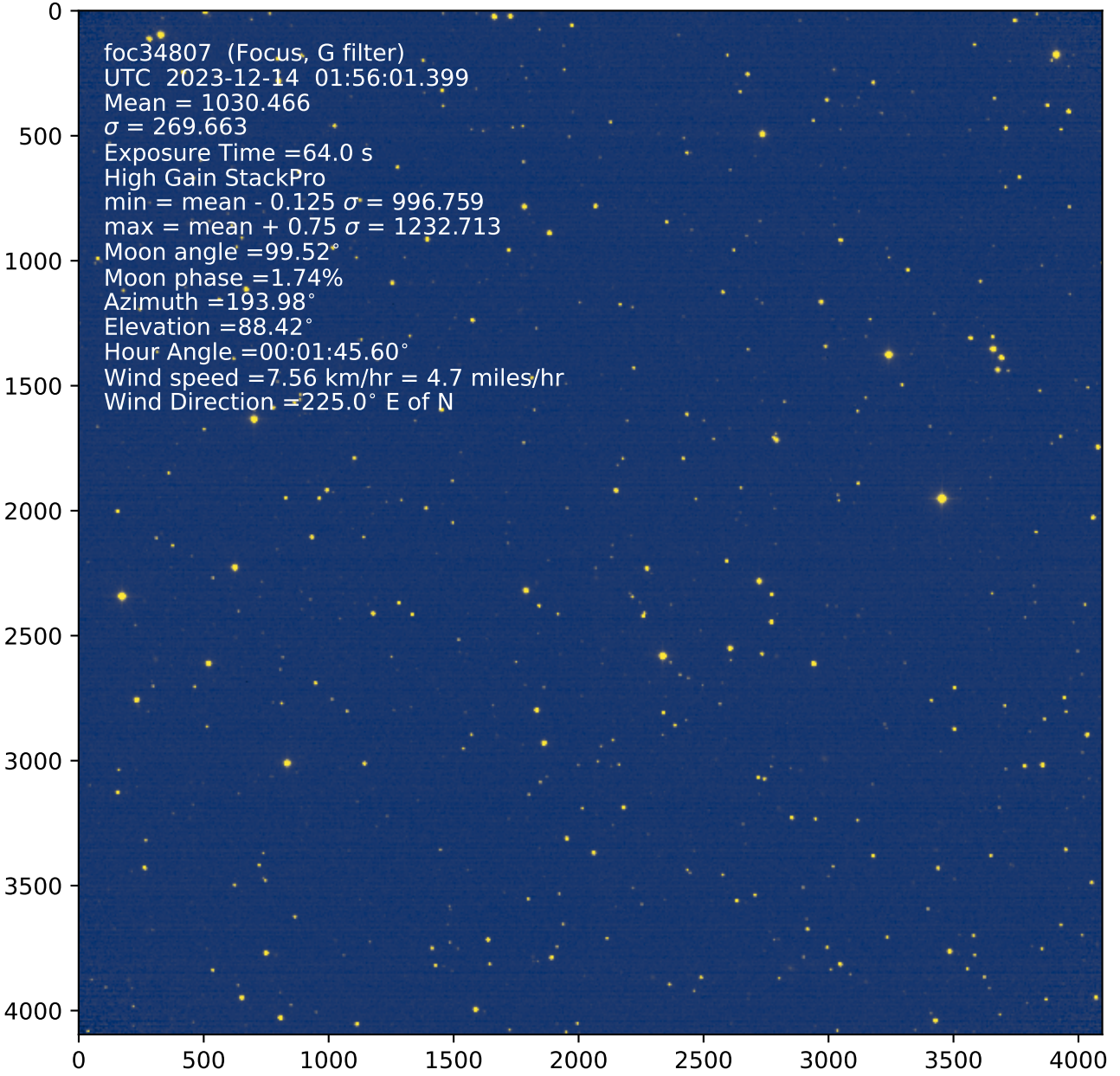
foc34807 (Focus, G filter)
UTC 2023-12-14 01:56:01.399
Mean = 1030.466
σ = 269.663
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 996.759
max = mean + 0.75 σ = 1232.713
Moon angle =99.52°
Moon phase =1.74%
Azimuth =193.98°
Elevation =88.42°
Hour Angle =00:01:45.60°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =225.0° E of N
0
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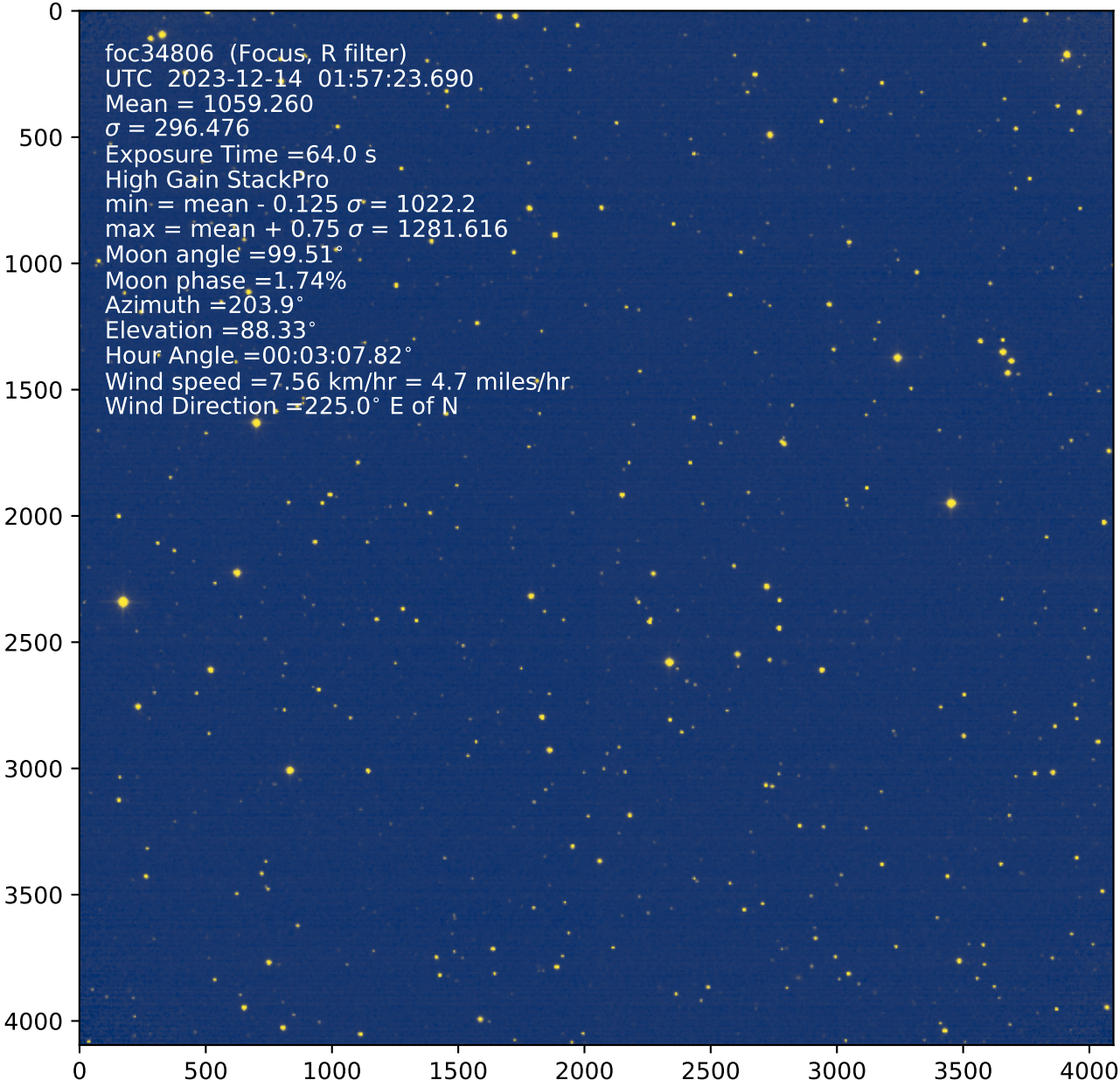
3500
4000


foc34806 (Focus, R filter)
UTC 2023-12-14 01:57:23.690
Mean = 1059.260
σ = 296.476
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1022.2
max = mean + 0.75 σ = 1281.616
Moon angle =99.51°
Moon phase =1.74%
Azimuth =203.9°
Elevation =88.33°
Hour Angle =00:03:07.82°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =225.0° E of N
0
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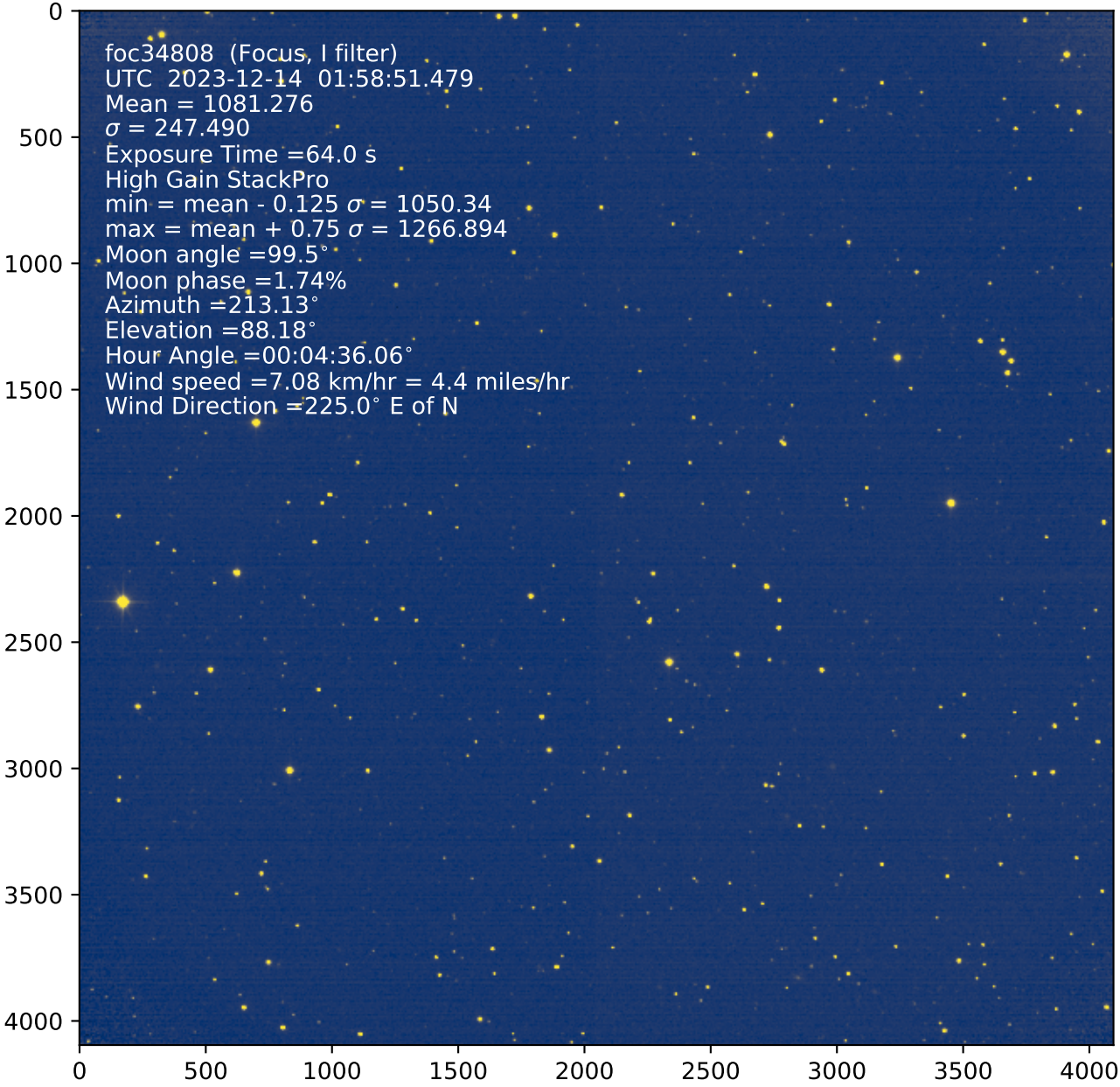
4000


foc34808 (Focus, I filter)
UTC 2023-12-14 01:58:51.479
Mean = 1081.276
σ = 247.490
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1050.34
max = mean + 0.75 σ = 1266.894
Moon angle =99.5°
Moon phase =1.74%
Azimuth =213.13°
Elevation =88.18°
Hour Angle =00:04:36.06°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =225.0° E of N
0
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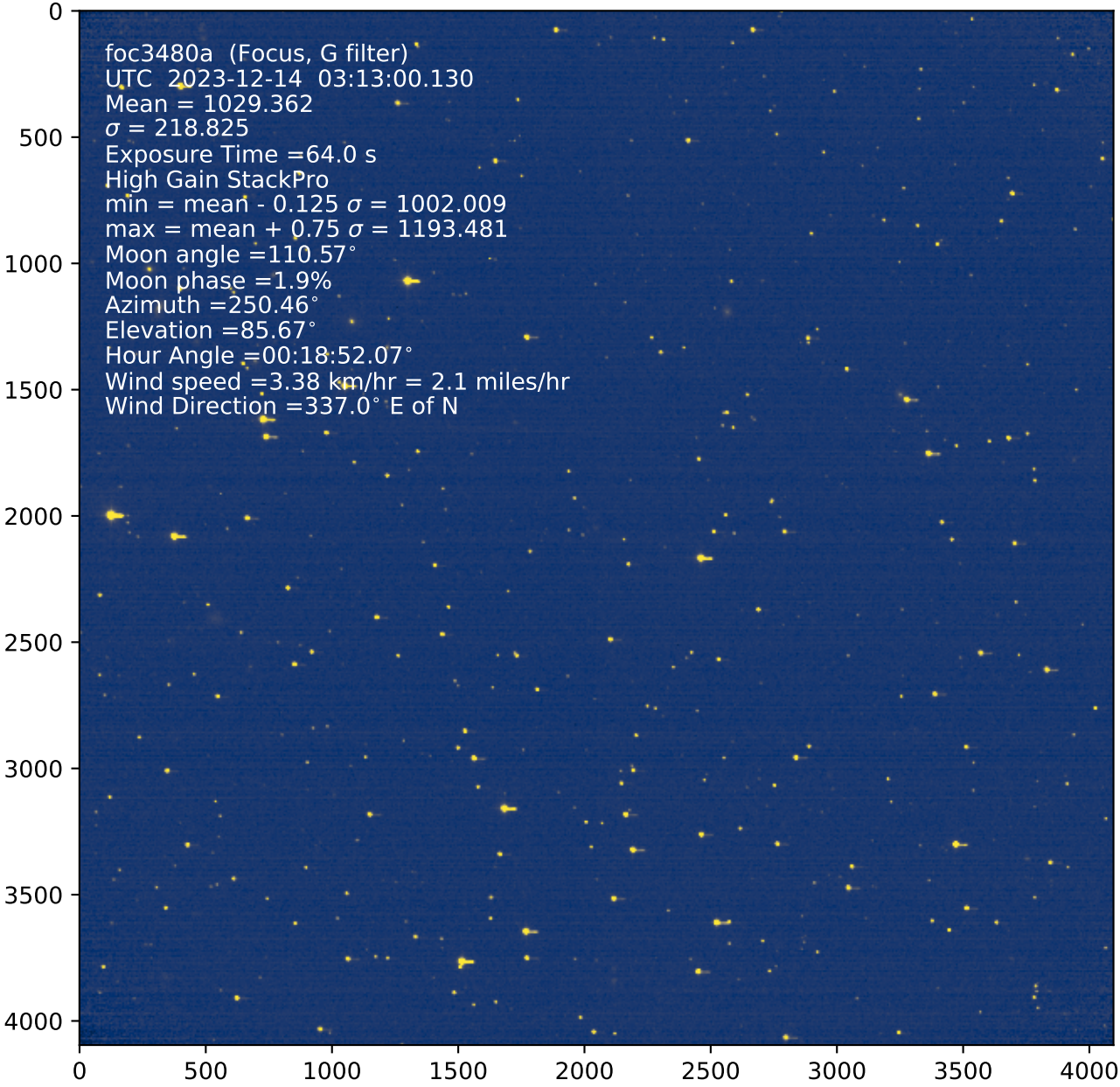
3000
3500
4000


foc3480a (Focus, G filter)
UTC 2023-12-14 03:13:00.130
Mean = 1029.362
σ = 218.825
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1002.009
max = mean + 0.75 σ = 1193.481
Moon angle =110.57°
Moon phase =1.9%
Azimuth =250.46°
Elevation =85.67°
Hour Angle =00:18:52.07°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =337.0° E of N
0
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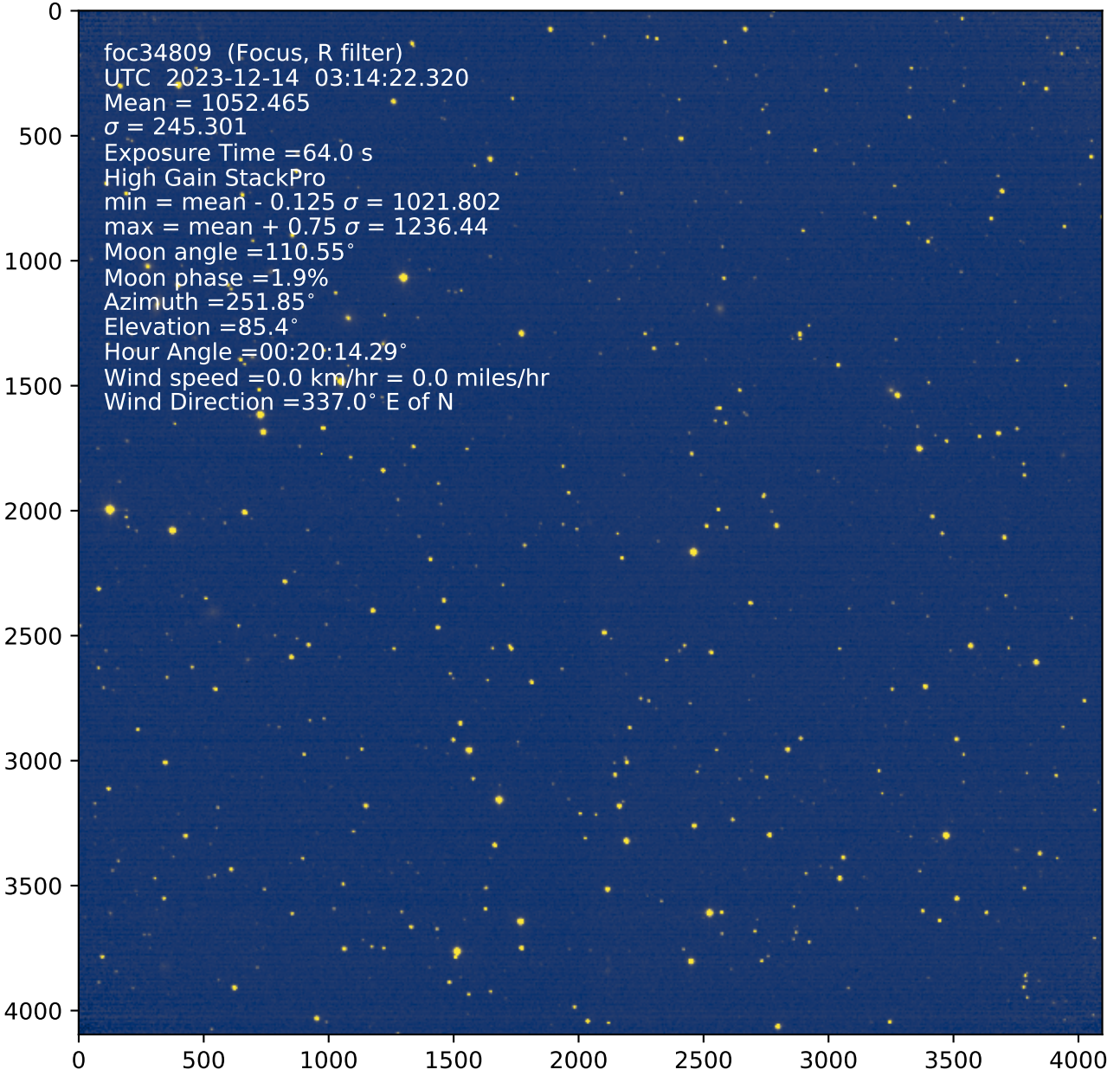
foc34809 (Focus, R filter)
UTC 2023-12-14 03:14:22.320
Mean = 1052.465
σ = 245.301
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1021.802
max = mean + 0.75 σ = 1236.44
Moon angle =110.55°
Moon phase =1.9%
Azimuth =251.85°
Elevation =85.4°
Hour Angle =00:20:14.29°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =337.0° E of N
0
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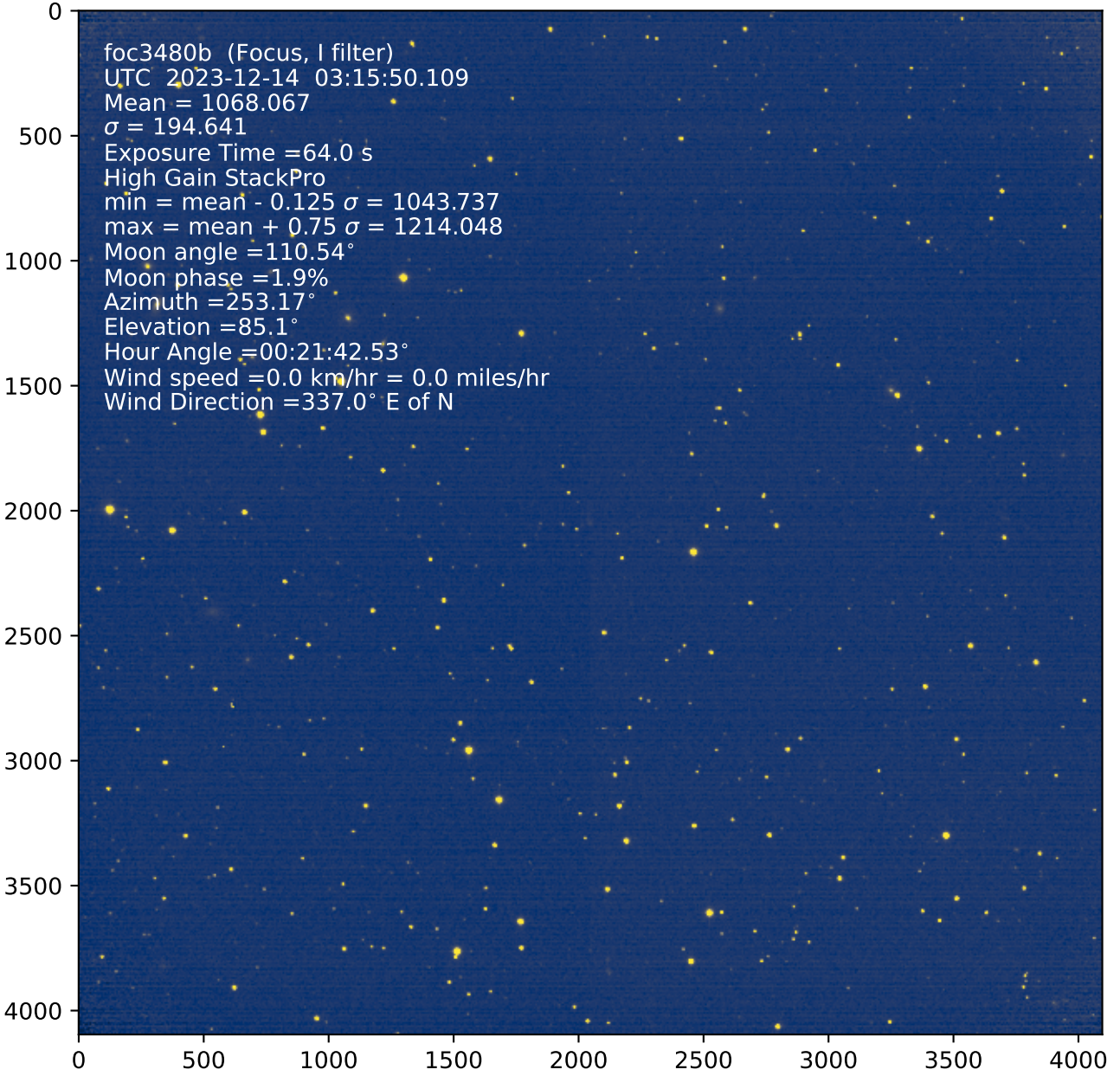
foc3480b (Focus, I filter)
UTC 2023-12-14 03:15:50.109
Mean = 1068.067
σ = 194.641
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1043.737
max = mean + 0.75 σ = 1214.048
Moon angle =110.54°
Moon phase =1.9%
Azimuth =253.17°
Elevation =85.1°
Hour Angle =00:21:42.53°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =337.0° E of N
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3500
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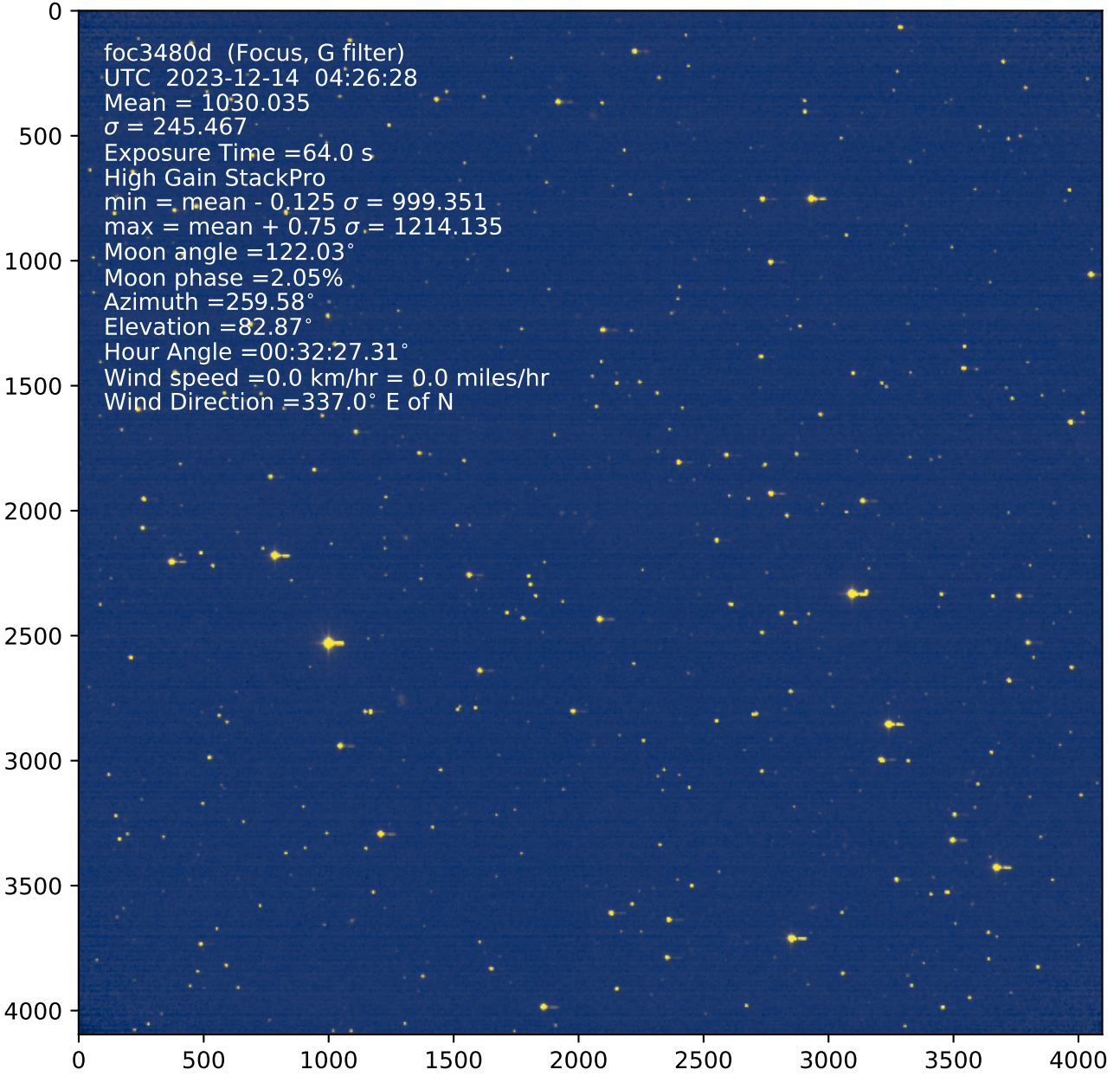
foc3480d (Focus, G filter)
UTC 2023-12-14 04:26:28
Mean = 1030.035
σ = 245.467
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 999.351
max = mean + 0.75 σ = 1214.135
Moon angle =122.03°
Moon phase =2.05%
Azimuth =259.58°
Elevation =82.87°
Hour Angle =00:32:27.31°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =337.0° E of N
0
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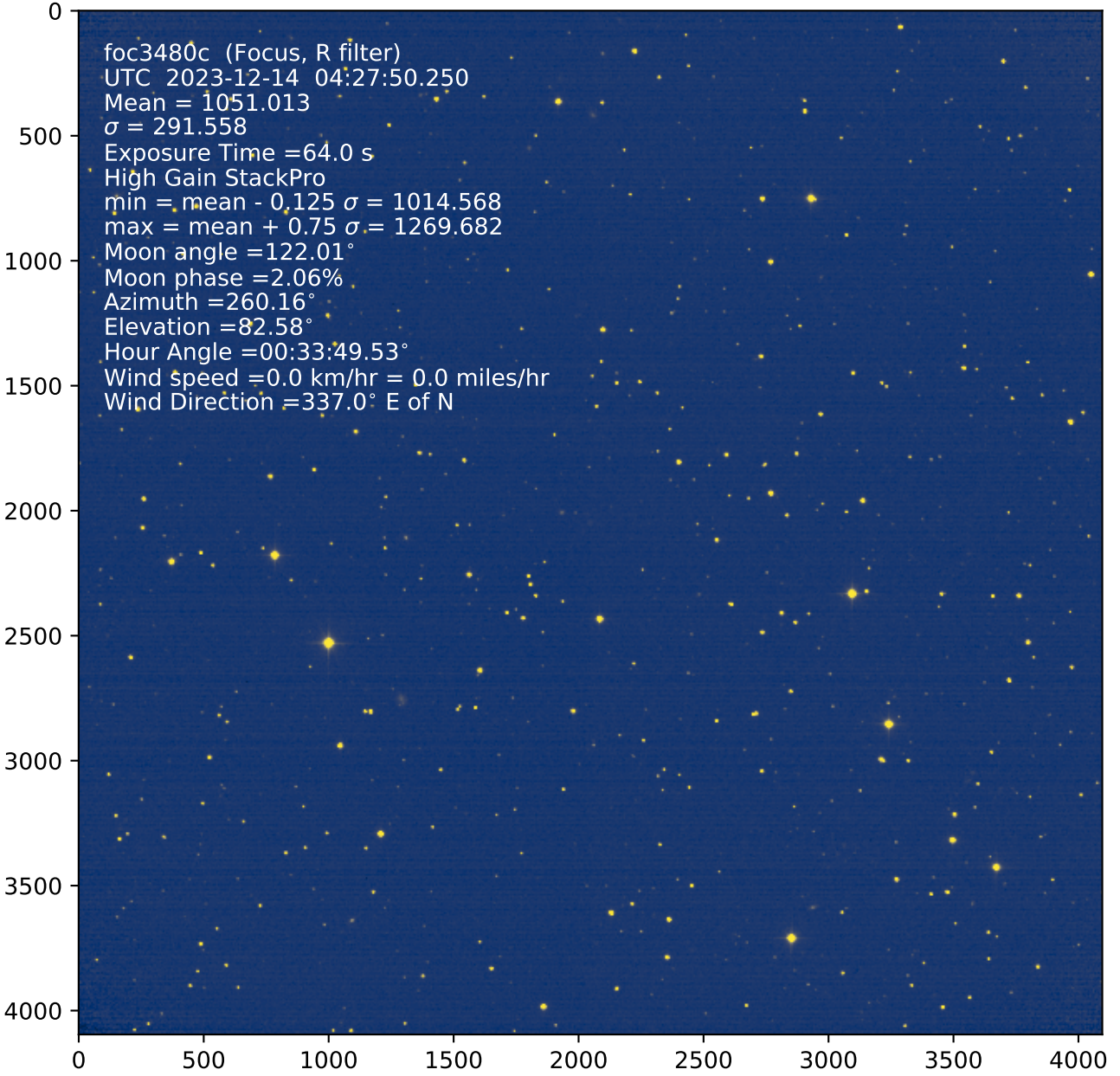
3000
3500
4000


foc3480c (Focus, R filter)
UTC 2023-12-14 04:27:50.250
Mean = 1051.013
σ = 291.558
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1014.568
max = mean + 0.75 σ = 1269.682
Moon angle =122.01°
Moon phase =2.06%
Azimuth =260.16°
Elevation =82.58°
Hour Angle =00:33:49.53°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =337.0° E of N
0
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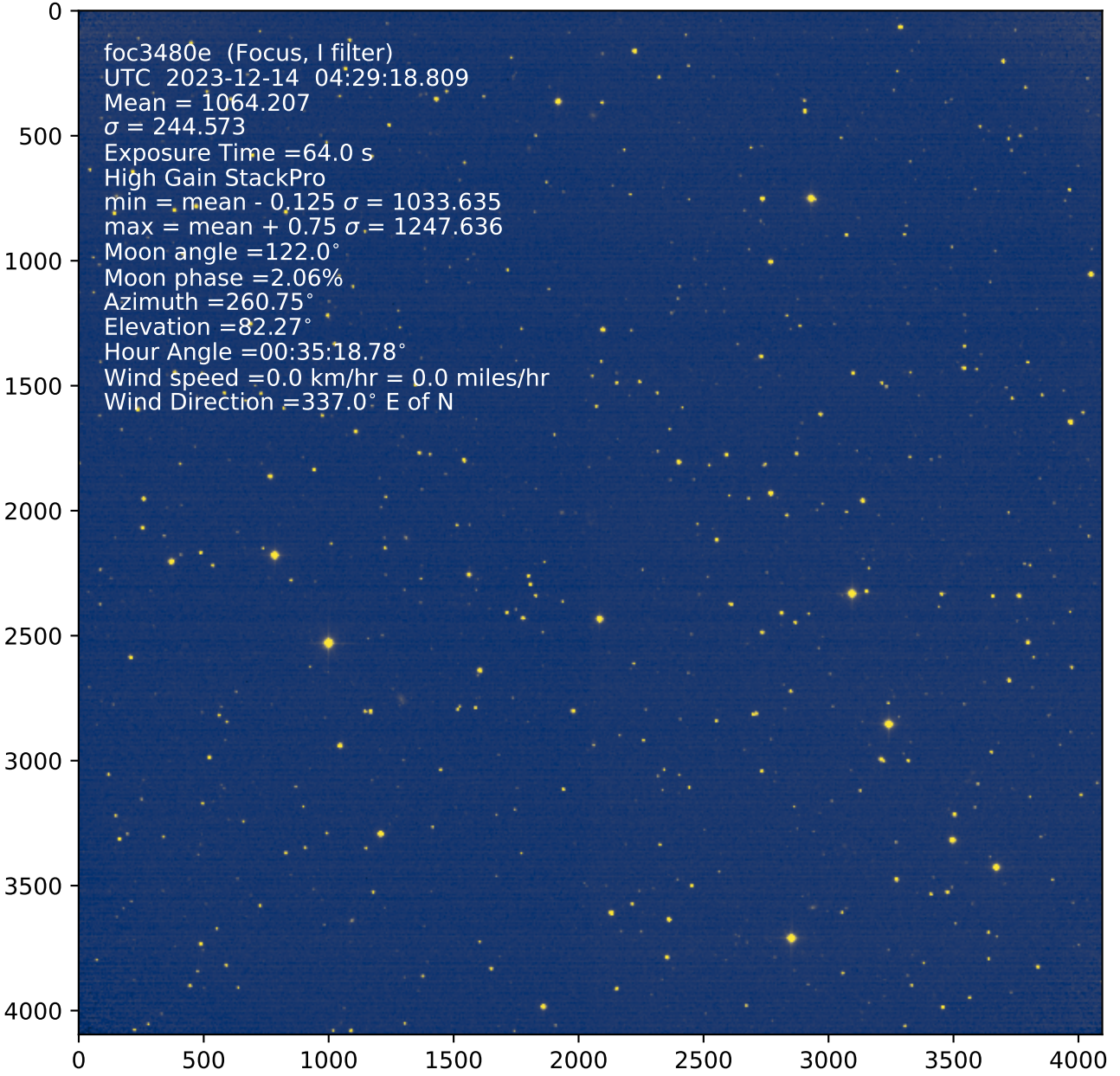
2000
2500
3000
3500
4000


foc3480e (Focus, I filter)
UTC 2023-12-14 04:29:18.809
Mean = 1064.207
σ = 244.573
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1033.635
max = mean + 0.75 σ = 1247.636
Moon angle =122.0°
Moon phase =2.06%
Azimuth =260.75°
Elevation =82.27°
Hour Angle =00:35:18.78°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =337.0° E of N
0
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1500
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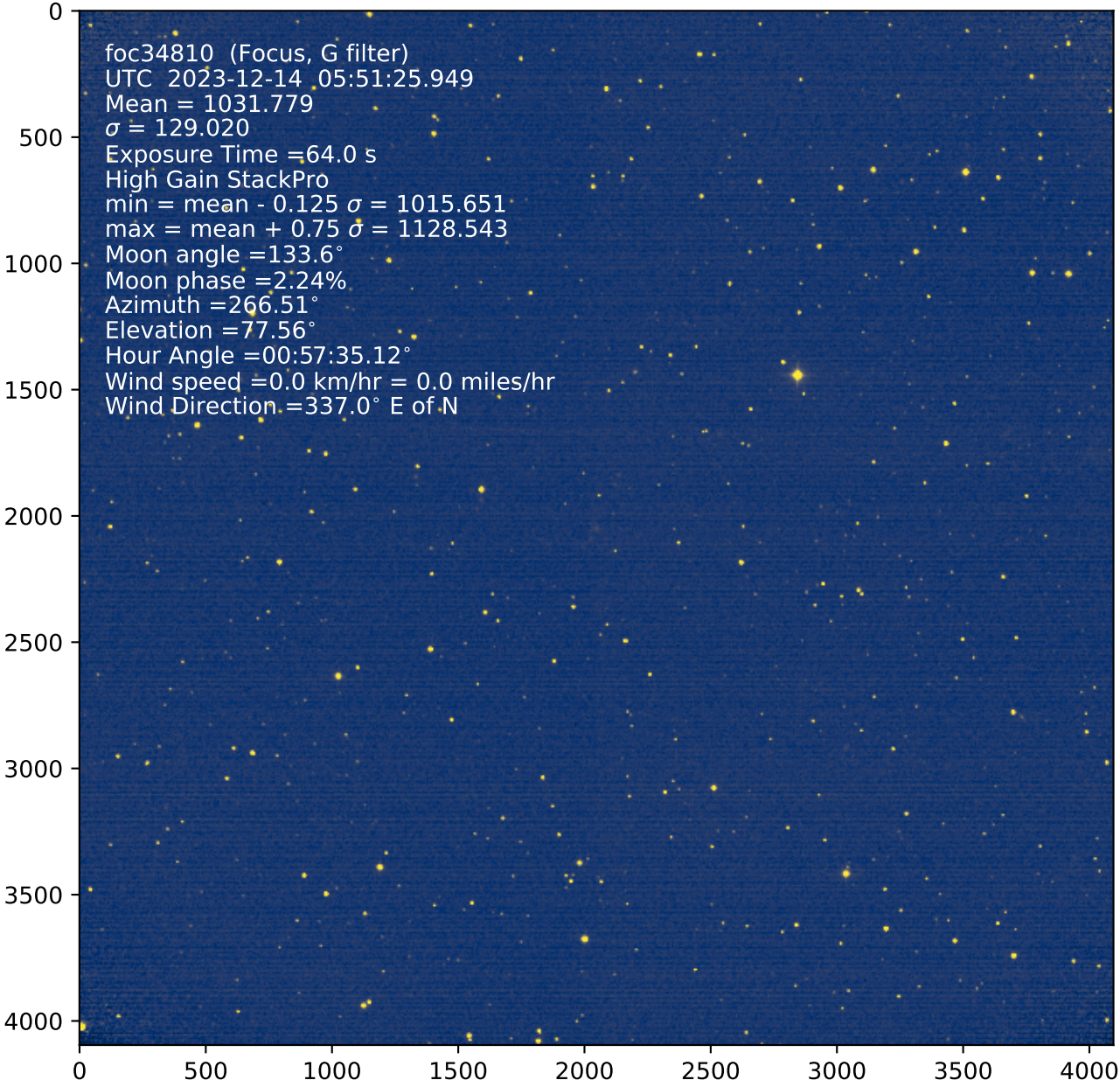
2500
3000
3500
4000


foc34810 (Focus, G filter)
UTC 2023-12-14 05:51:25.949
Mean = 1031.779
σ = 129.020
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1015.651
max = mean + 0.75 σ = 1128.543
Moon angle =133.6°
Moon phase =2.24%
Azimuth =266.51°
Elevation =77.56°
Hour Angle =00:57:35.12°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =337.0° E of N
0
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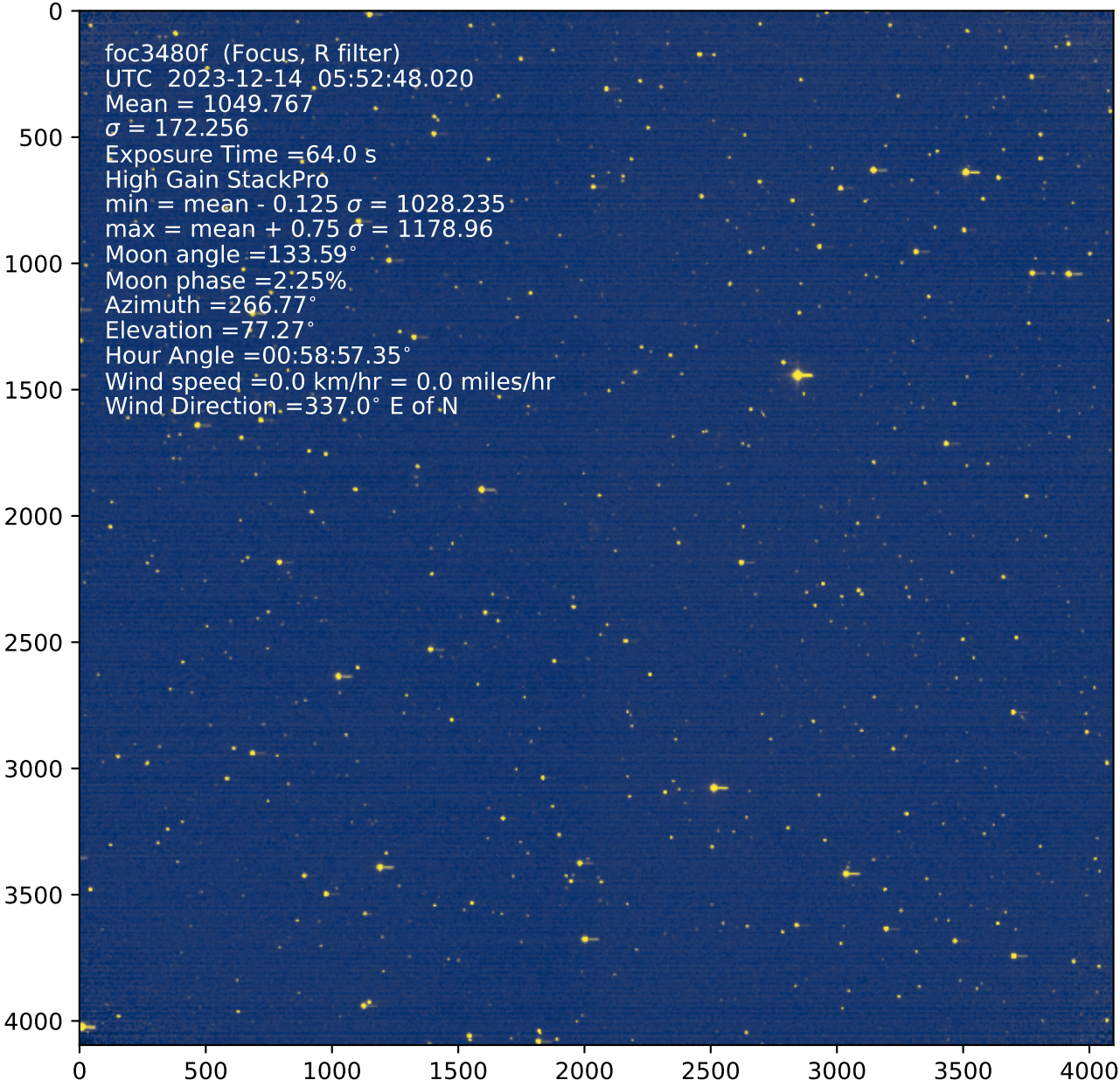
3000
3500
4000


foc3480f (Focus, R filter)
UTC 2023-12-14 05:52:48.020
Mean = 1049.767
σ = 172.256
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1028.235
max = mean + 0.75 σ = 1178.96
Moon angle =133.59°
Moon phase =2.25%
Azimuth =266.77°
Elevation =77.27°
Hour Angle =00:58:57.35°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =337.0° E of N
0
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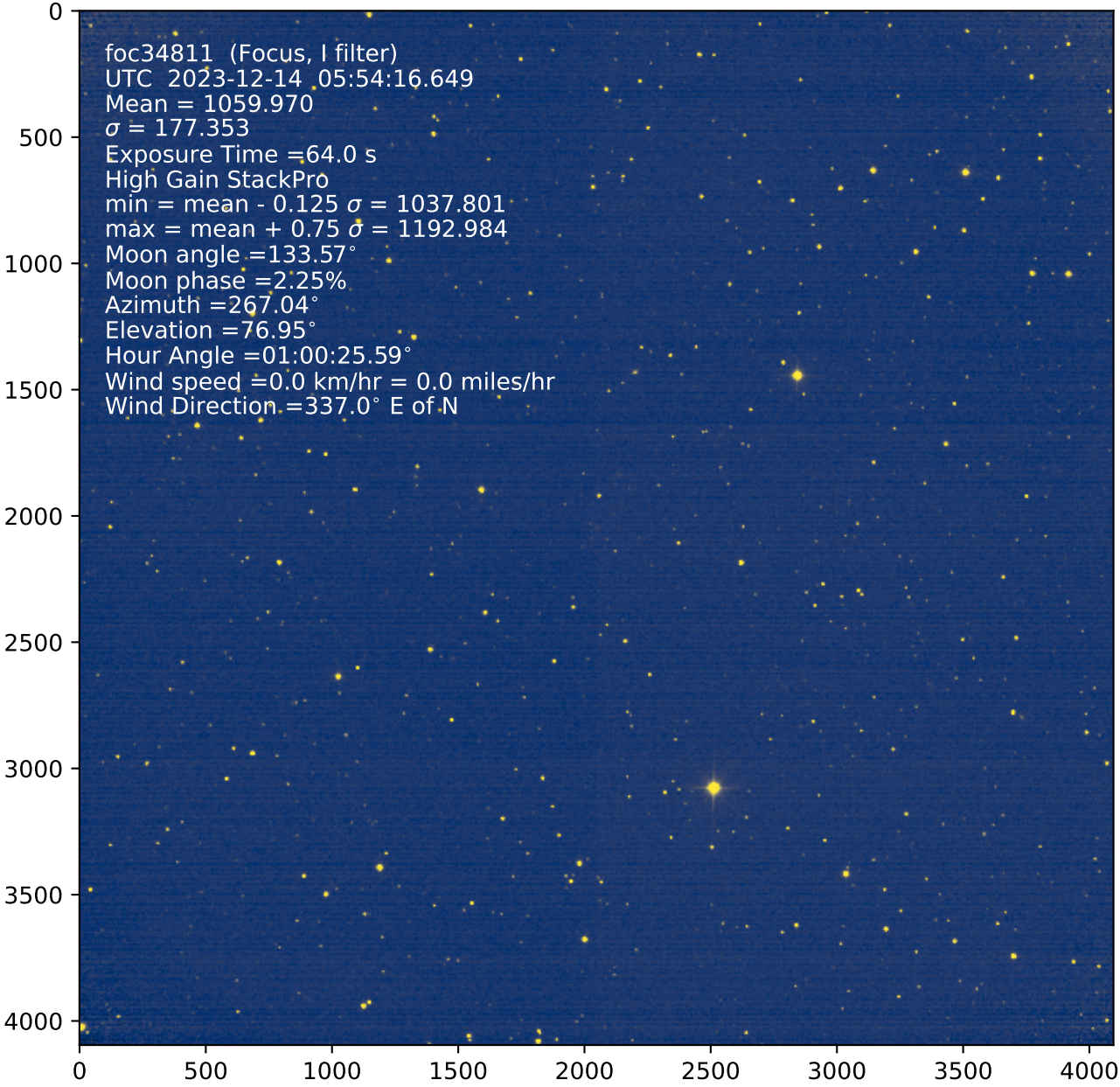
3500
4000


foc34811 (Focus, I filter)
UTC 2023-12-14 05:54:16.649
Mean = 1059.970
σ = 177.353
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1037.801
max = mean + 0.75 σ = 1192.984
Moon angle =133.57°
Moon phase =2.25%
Azimuth =267.04°
Elevation =76.95°
Hour Angle =01:00:25.59°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =337.0° E of N
0
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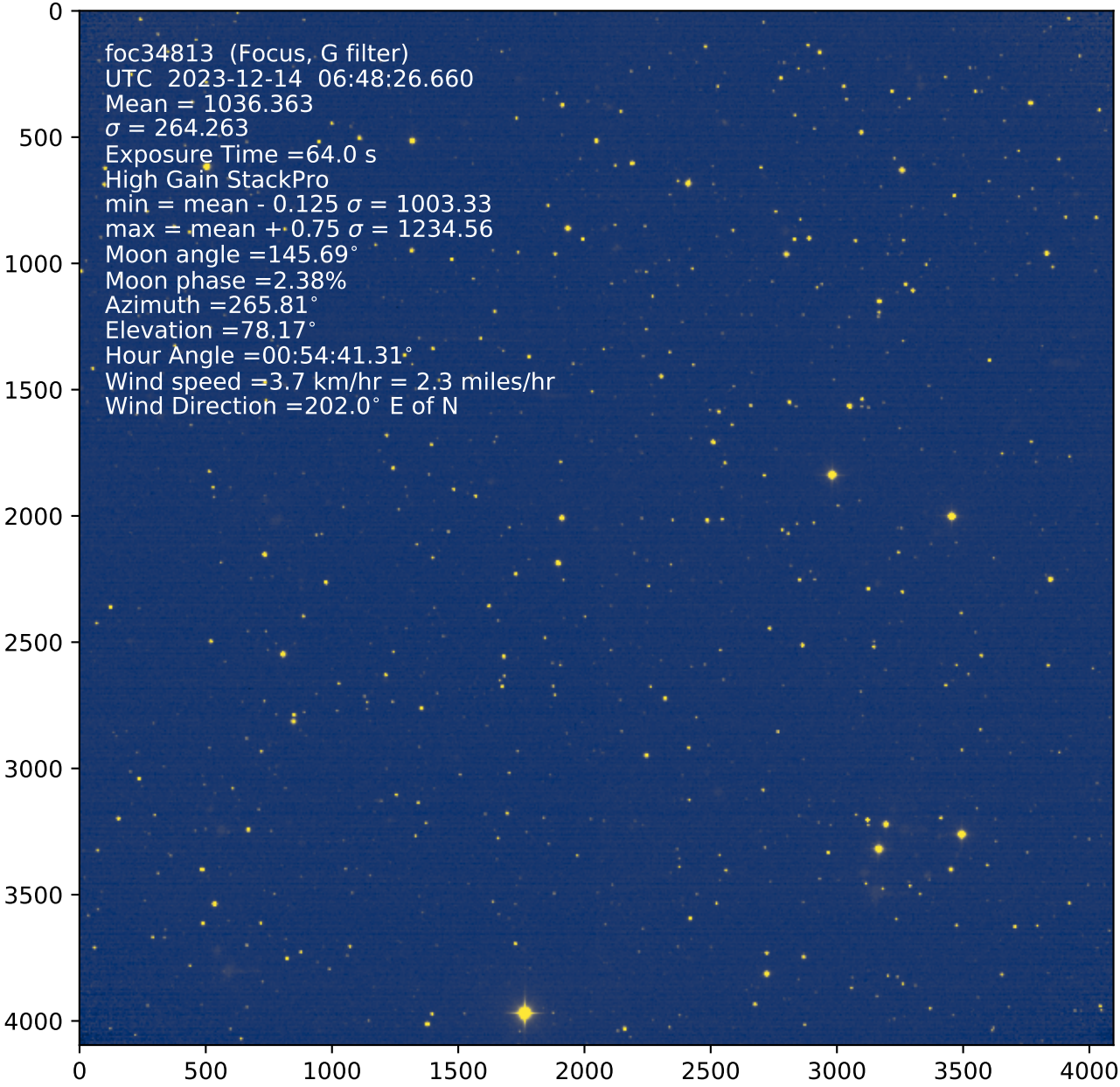
3000
3500
4000


foc34813 (Focus, G filter)
UTC 2023-12-14 06:48:26.660
Mean = 1036.363
σ = 264.263
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1003.33
max = mean + 0.75 σ = 1234.56
Moon angle =145.69°
Moon phase =2.38%
Azimuth =265.81°
Elevation =78.17°
Hour Angle =00:54:41.31°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =202.0° E of N
0
500
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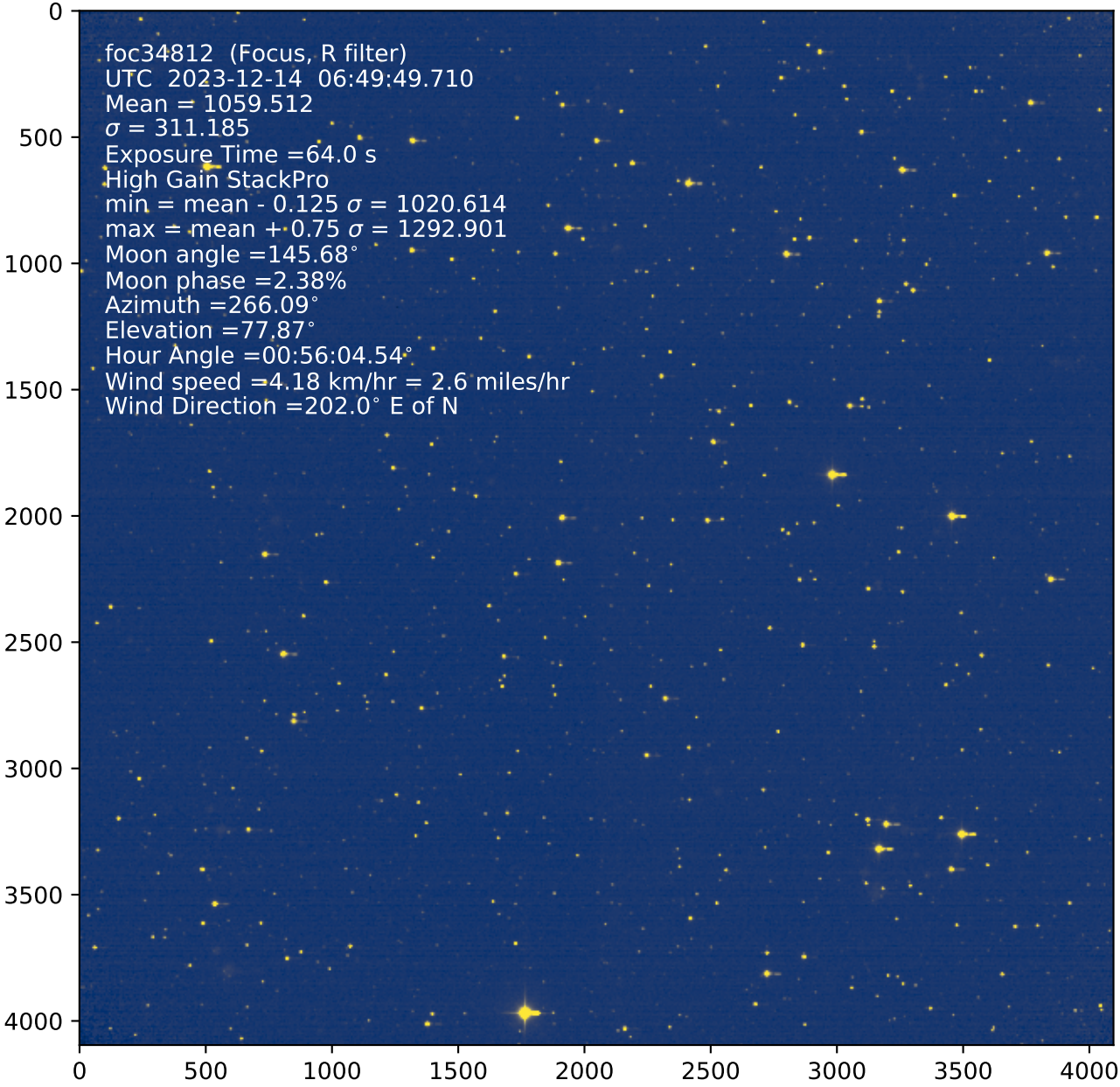
3500
4000


foc34812 (Focus, R filter)
UTC 2023-12-14 06:49:49.710
Mean = 1059.512
σ = 311.185
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1020.614
max = mean + 0.75 σ = 1292.901
Moon angle =145.68°
Moon phase =2.38%
Azimuth =266.09°
Elevation =77.87°
Hour Angle =00:56:04.54°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =202.0° E of N
0
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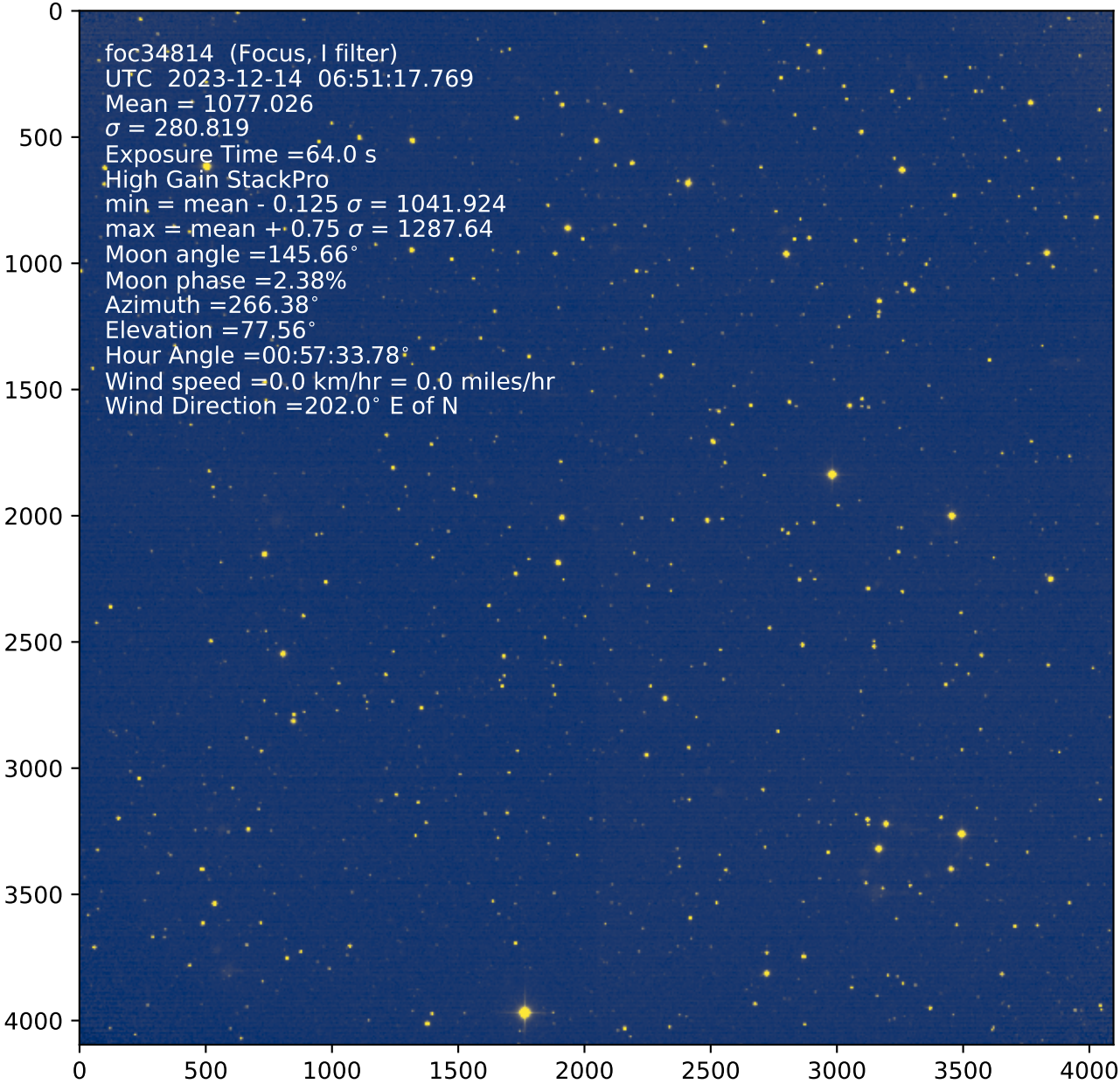
foc34814 (Focus, I filter)
UTC 2023-12-14 06:51:17.769
Mean = 1077.026
σ = 280.819
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1041.924
max = mean + 0.75 σ = 1287.64
Moon angle =145.66°
Moon phase =2.38%
Azimuth =266.38°
Elevation =77.56°
Hour Angle =00:57:33.78°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
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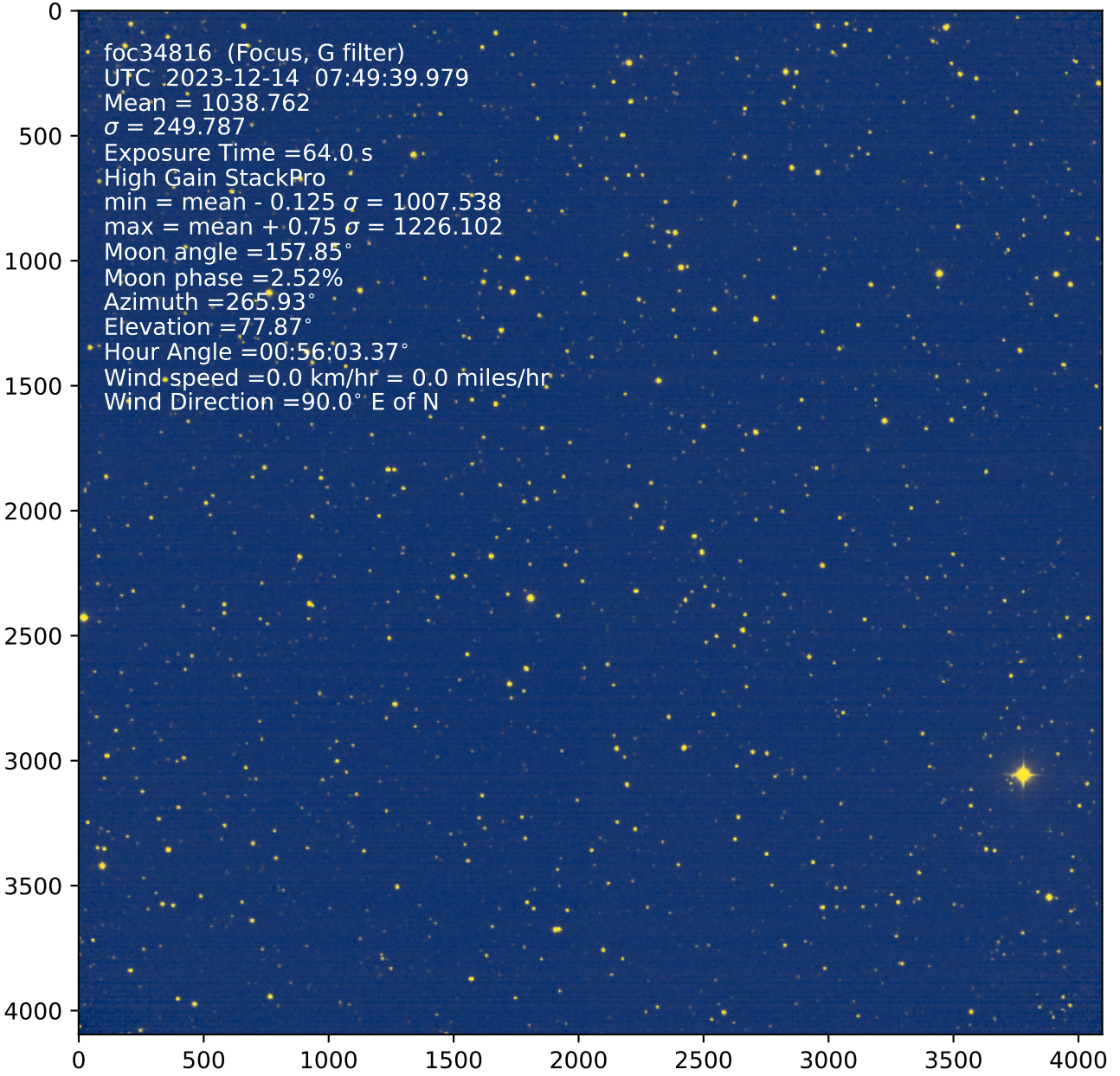
foc34816 (Focus, G filter)
UTC 2023-12-14 07:49:39.979
Mean = 1038.762
σ = 249.787
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1007.538
max = mean + 0.75 σ = 1226.102
Moon angle =157.85°
Moon phase =2.52%
Azimuth =265.93°
Elevation =77.87°
Hour Angle =00:56:03.37°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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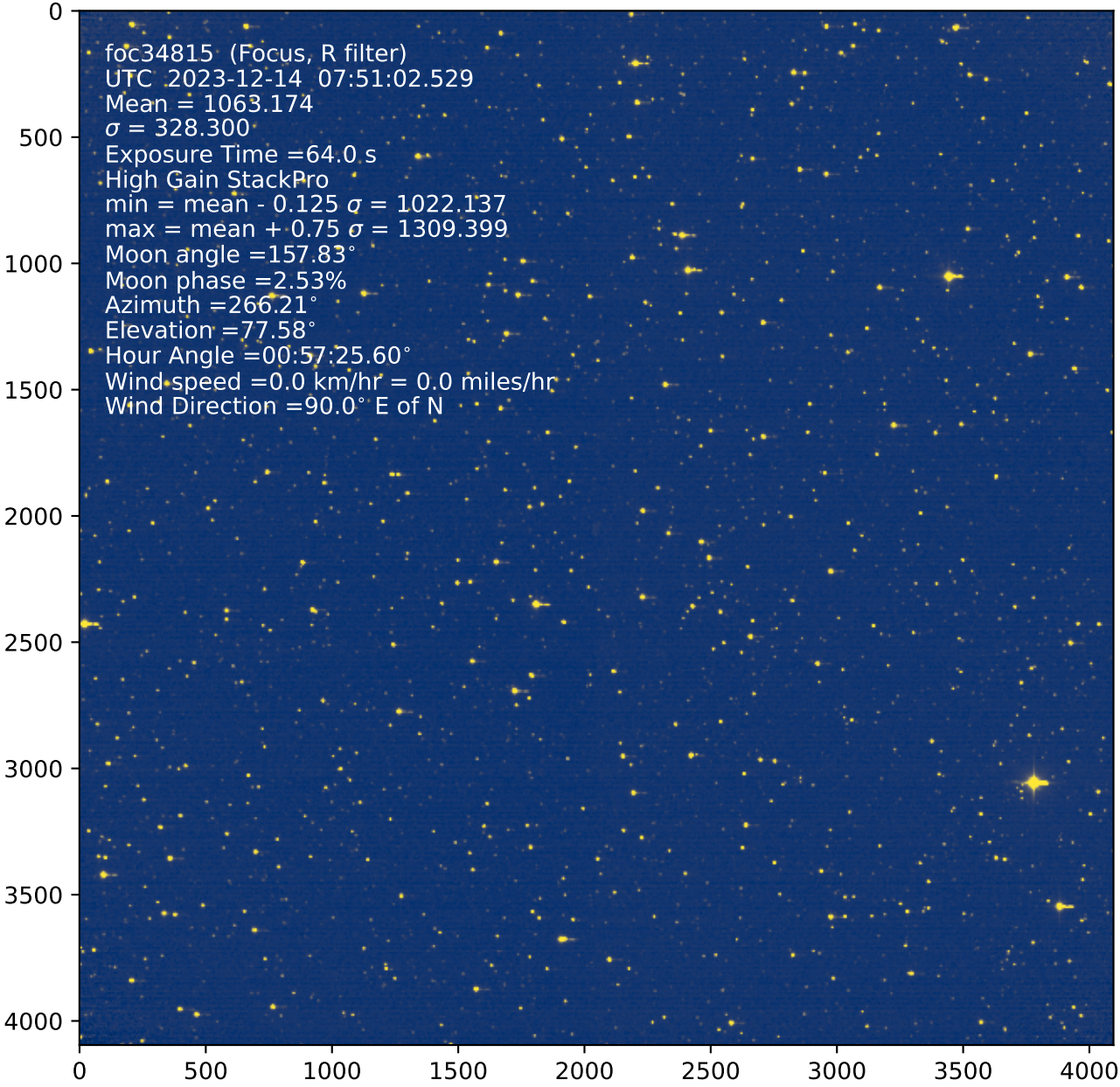
foc34815 (Focus, R filter)
UTC 2023-12-14 07:51:02.529
Mean = 1063.174
σ = 328.300
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1022.137
max = mean + 0.75 σ = 1309.399
Moon angle =157.83°
Moon phase =2.53%
Azimuth =266.21°
Elevation =77.58°
Hour Angle =00:57:25.60°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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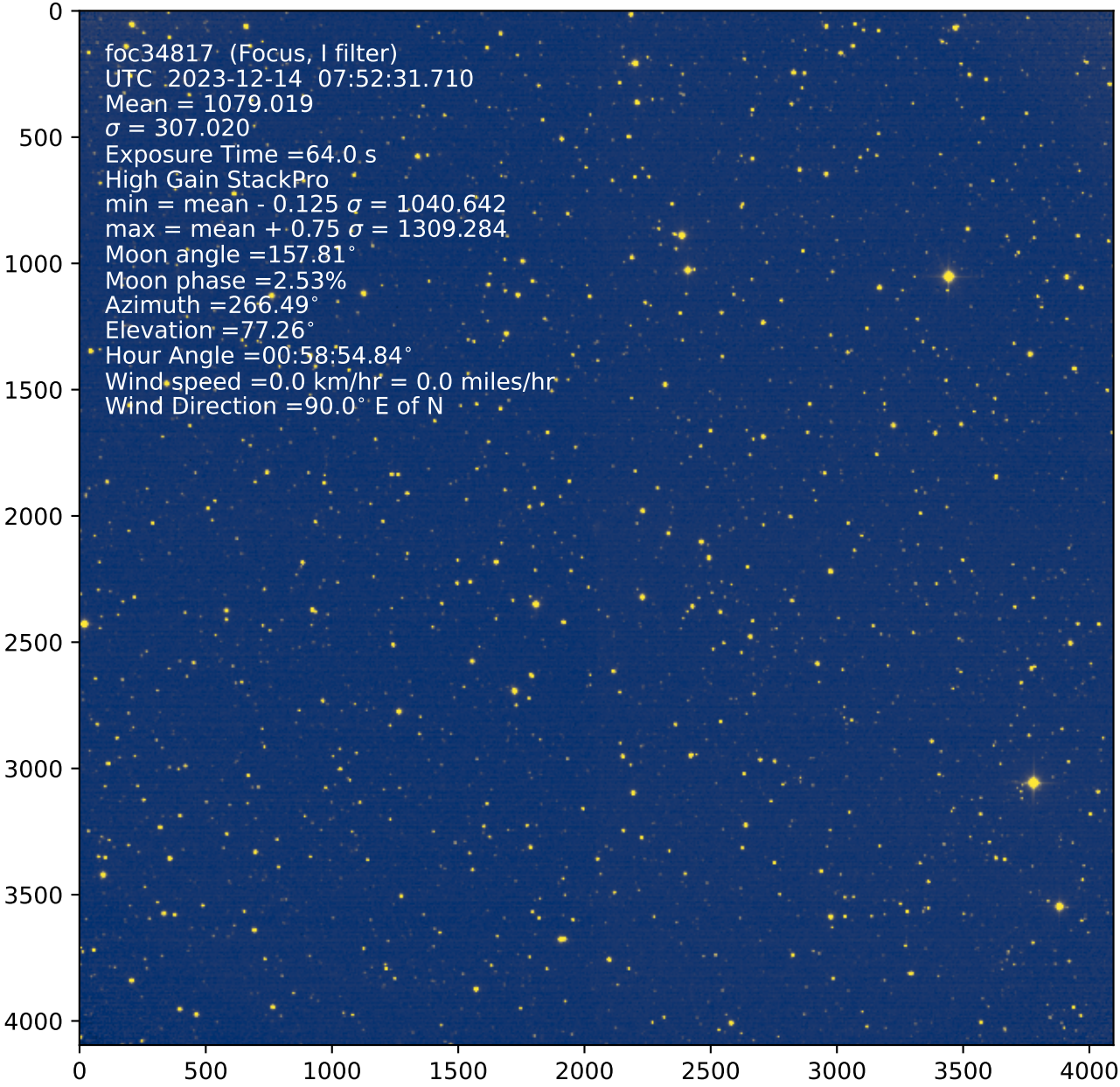
3500
4000


foc34817 (Focus, I filter)
UTC 2023-12-14 07:52:31.710
Mean = 1079.019
σ = 307.020
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1040.642
max = mean + 0.75 σ = 1309.284
Moon angle =157.81°
Moon phase =2.53%
Azimuth =266.49°
Elevation =77.26°
Hour Angle =00:58:54.84°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
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1500
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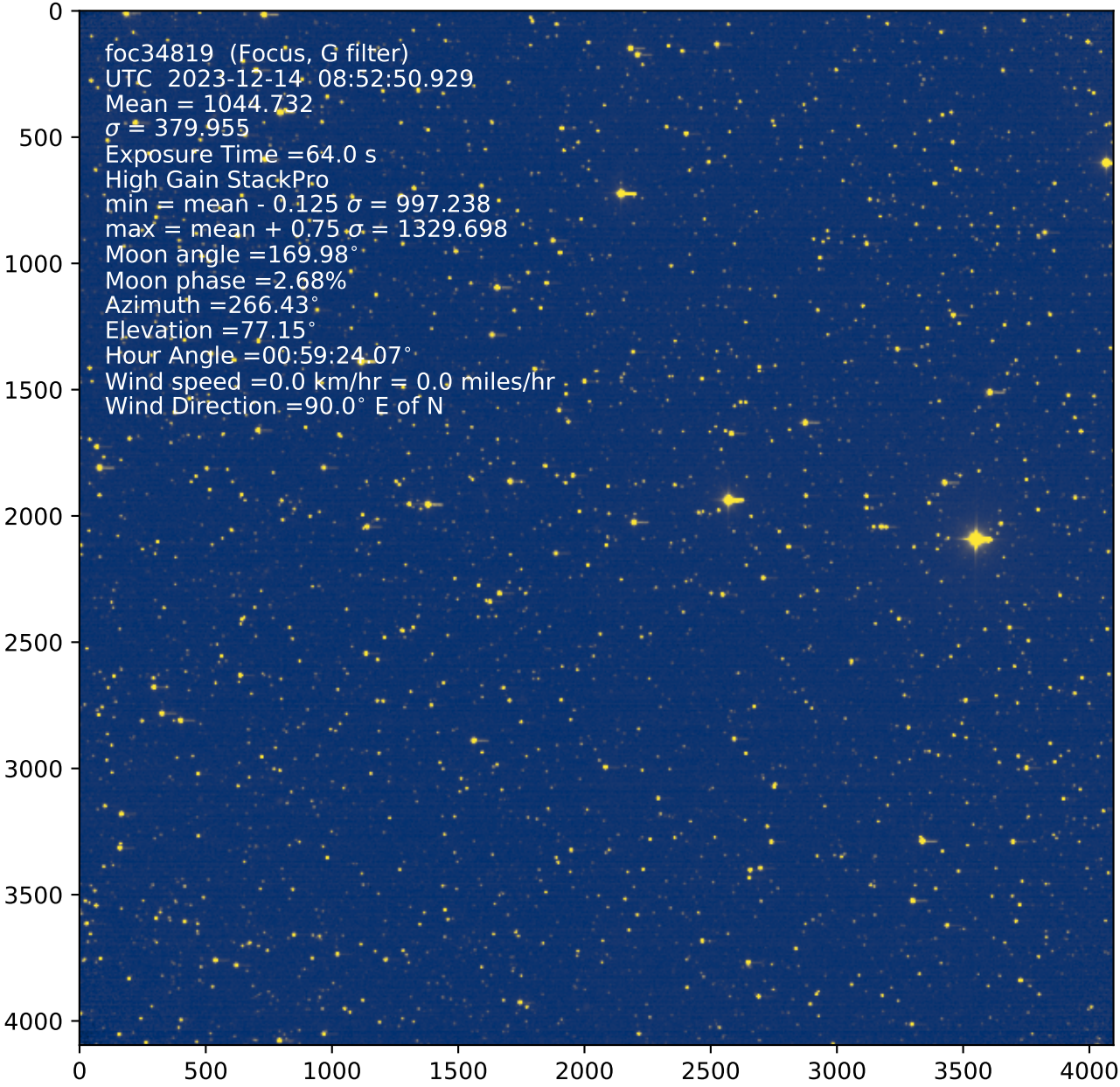
2500
3000
3500
4000


foc34819 (Focus, G filter)
UTC 2023-12-14 08:52:50.929
Mean = 1044.732
σ = 379.955
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 997.238
max = mean + 0.75 σ = 1329.698
Moon angle =169.98°
Moon phase =2.68%
Azimuth =266.43°
Elevation =77.15°
Hour Angle =00:59:24.07°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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3500
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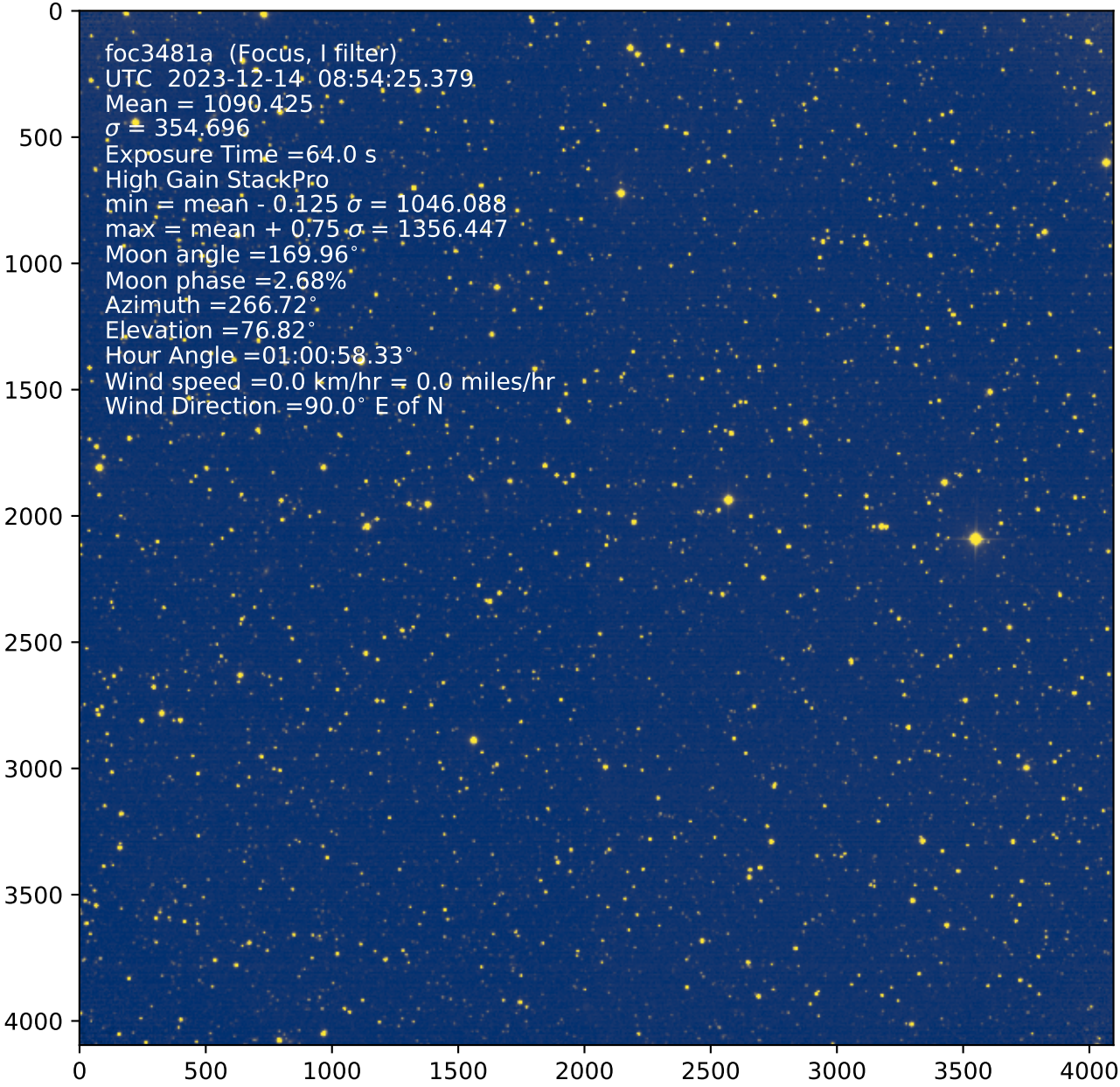
foc3481a (Focus, I filter)
UTC 2023-12-14 08:54:25.379
Mean = 1090.425
σ = 354.696
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1046.088
max = mean + 0.75 σ = 1356.447
Moon angle =169.96°
Moon phase =2.68%
Azimuth =266.72°
Elevation =76.82°
Hour Angle =01:00:58.33°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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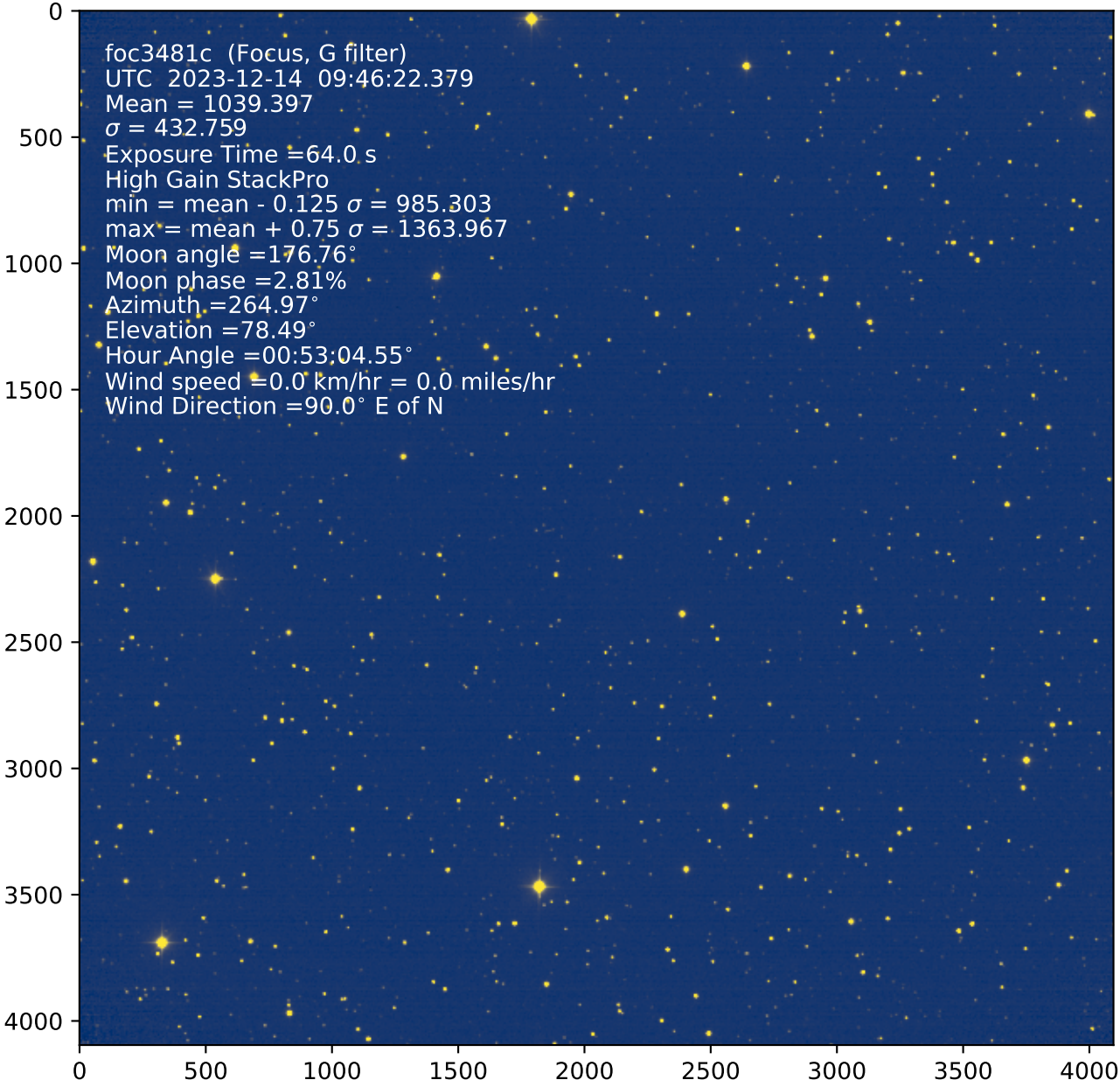
2500
3000
3500
4000


foc3481c (Focus, G filter)
UTC 2023-12-14 09:46:22.379
Mean = 1039.397
σ = 432.759
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 985.303
max = mean + 0.75 σ = 1363.967
Moon angle =176.76°
Moon phase =2.81%
Azimuth =264.97°
Elevation =78.49°
Hour Angle =00:53:04.55°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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3500
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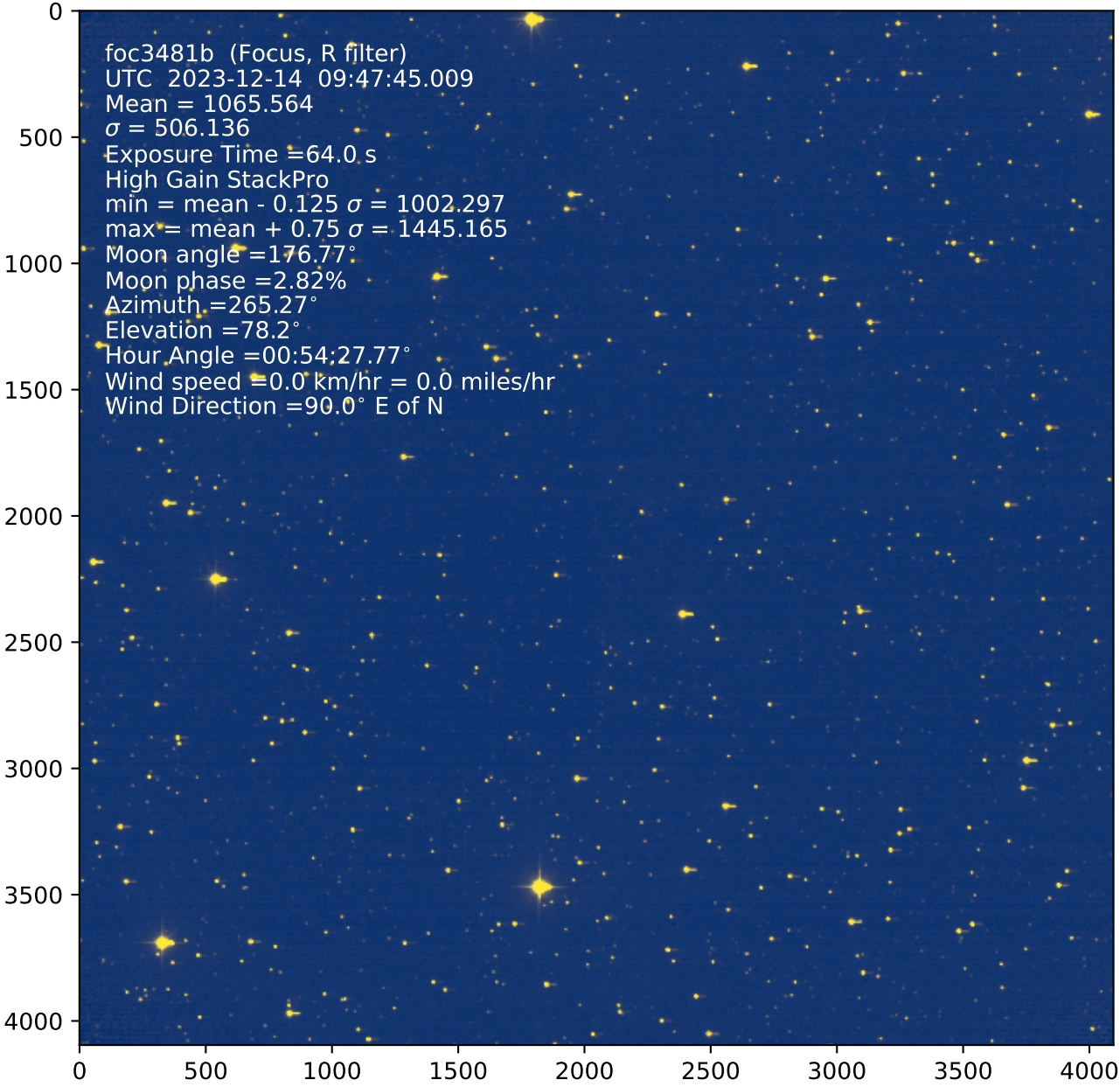
foc3481b (Focus, R filter)
UTC 2023-12-14 09:47:45.009
Mean = 1065.564
σ = 506.136
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1002.297
max = mean + 0.75 σ = 1445.165
Moon angle =176.77°
Moon phase =2.82%
Azimuth =265.27°
Elevation =78.2°
Hour Angle =00:54:27.77°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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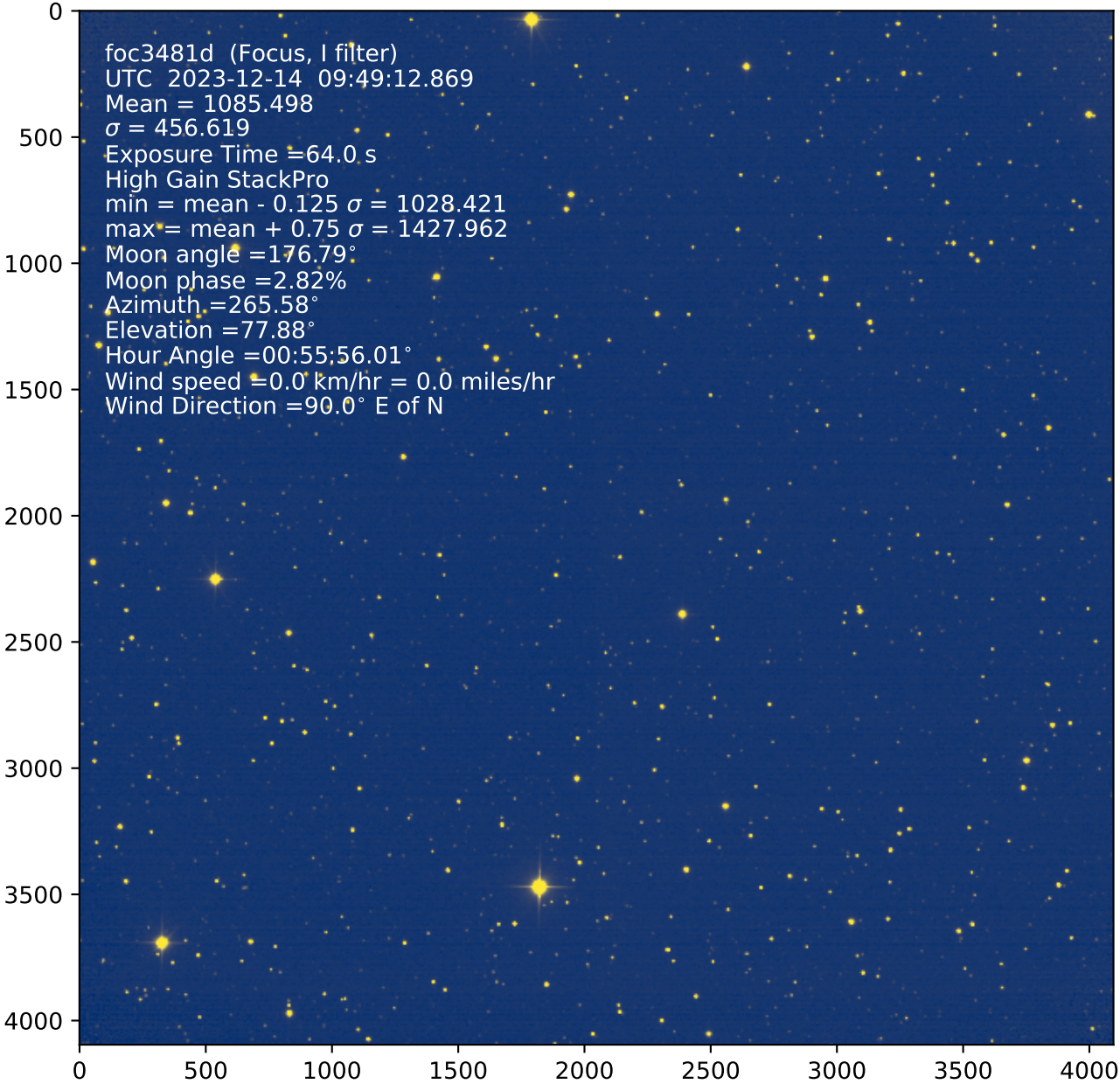
3000
3500
4000


foc3481d (Focus, I filter)
UTC 2023-12-14 09:49:12.869
Mean = 1085.498
σ = 456.619
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1028.421
max = mean + 0.75 σ = 1427.962
Moon angle =176.79°
Moon phase =2.82%
Azimuth =265.58°
Elevation =77.88°
Hour Angle =00:55:56.01°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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3500
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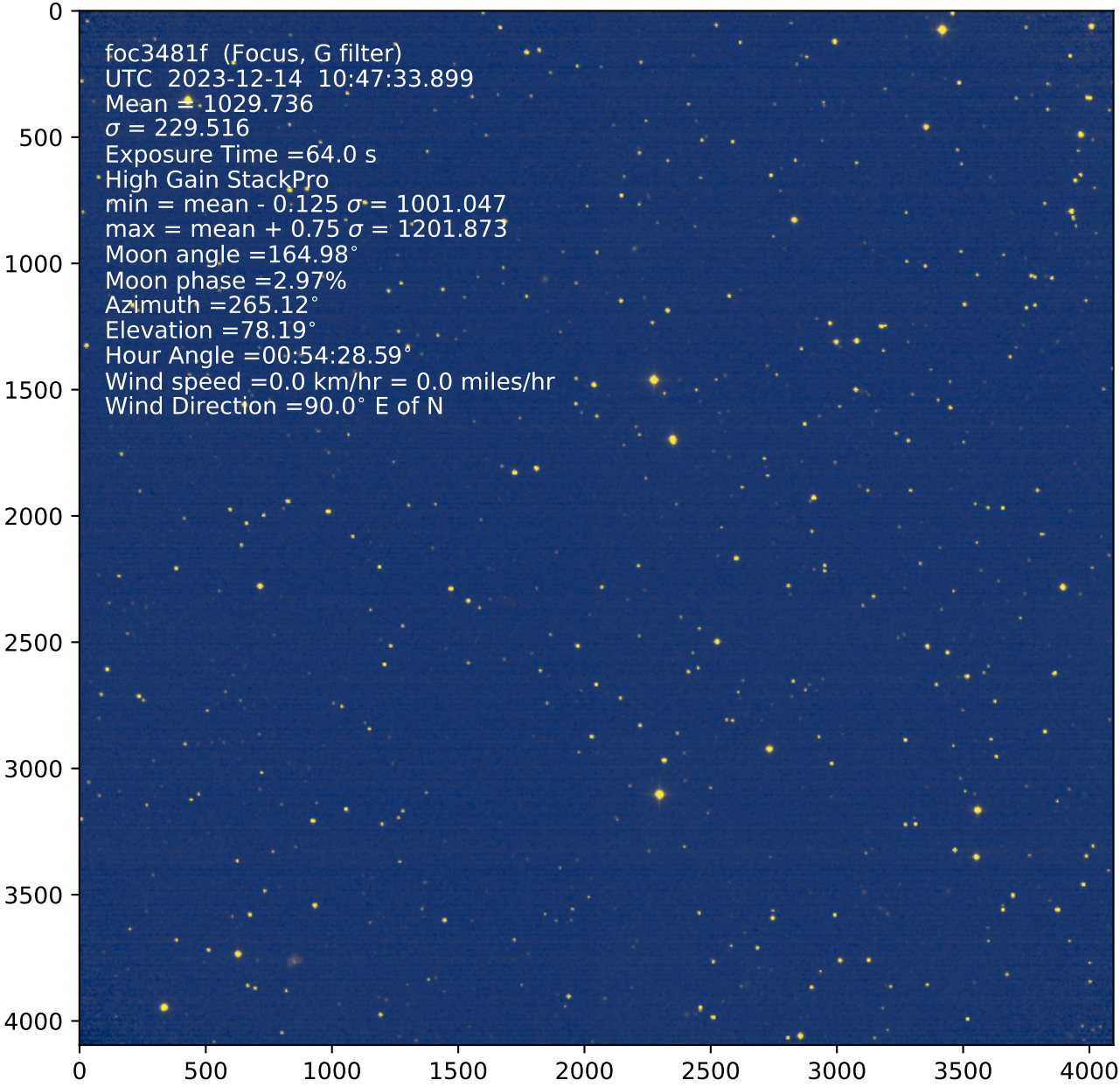
foc3481f (Focus, G filter)
UTC 2023-12-14 10:47:33.899
Mean = 1029.736
σ = 229.516
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1001.047
max = mean + 0.75 σ = 1201.873
Moon angle =164.98˚
Moon phase =2.97%
Azimuth =265.12˚
Elevation =78.19˚
Hour Angle =00:54:28.59˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
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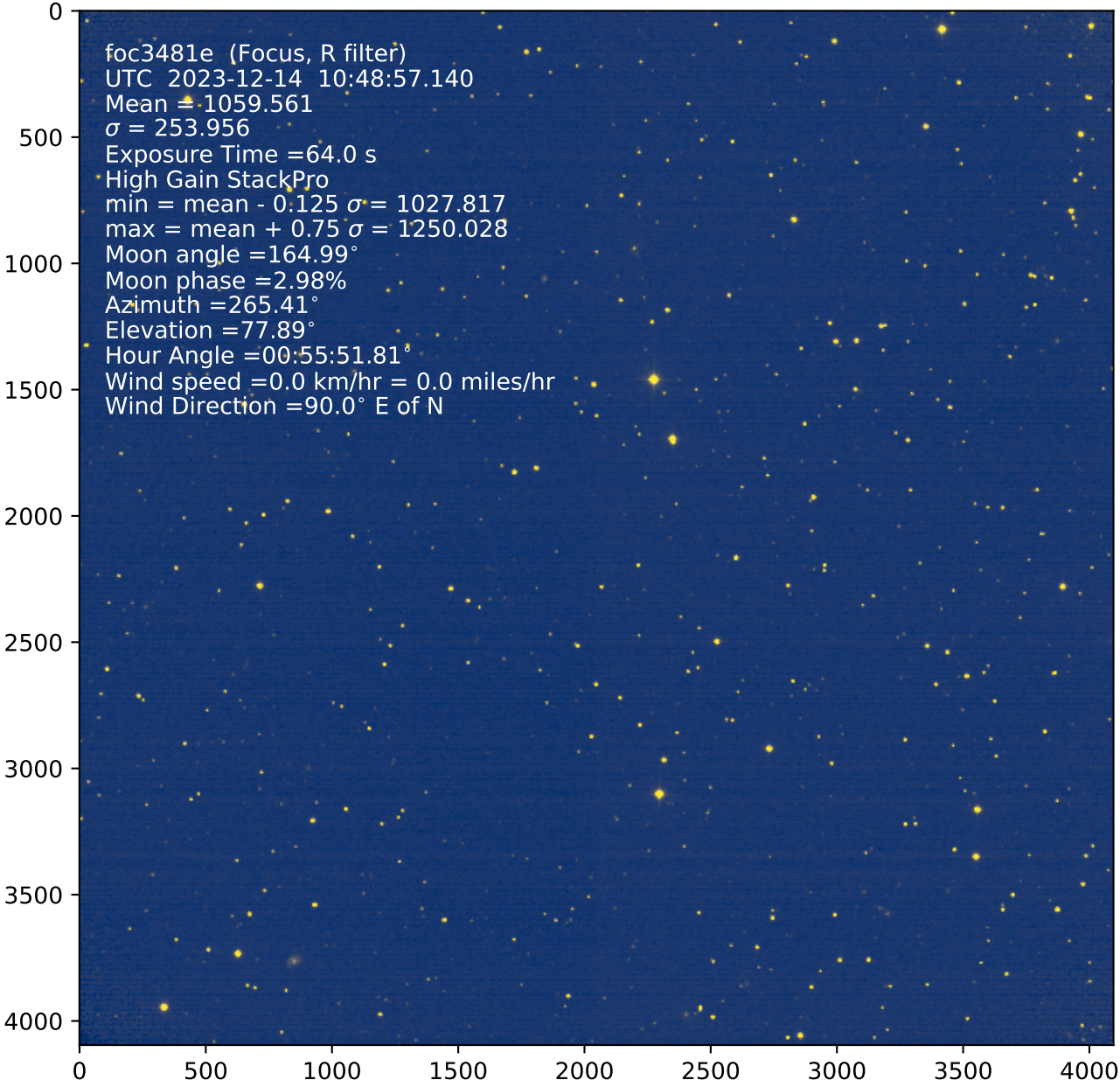
4000


foc3481e (Focus, R filter)
UTC 2023-12-14 10:48:57.140
Mean = 1059.561
σ = 253.956
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1027.817
max = mean + 0.75 σ = 1250.028
Moon angle =164.99˚
Moon phase =2.98%
Azimuth =265.41˚
Elevation =77.89˚
Hour Angle =00:55:51.81˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
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3500
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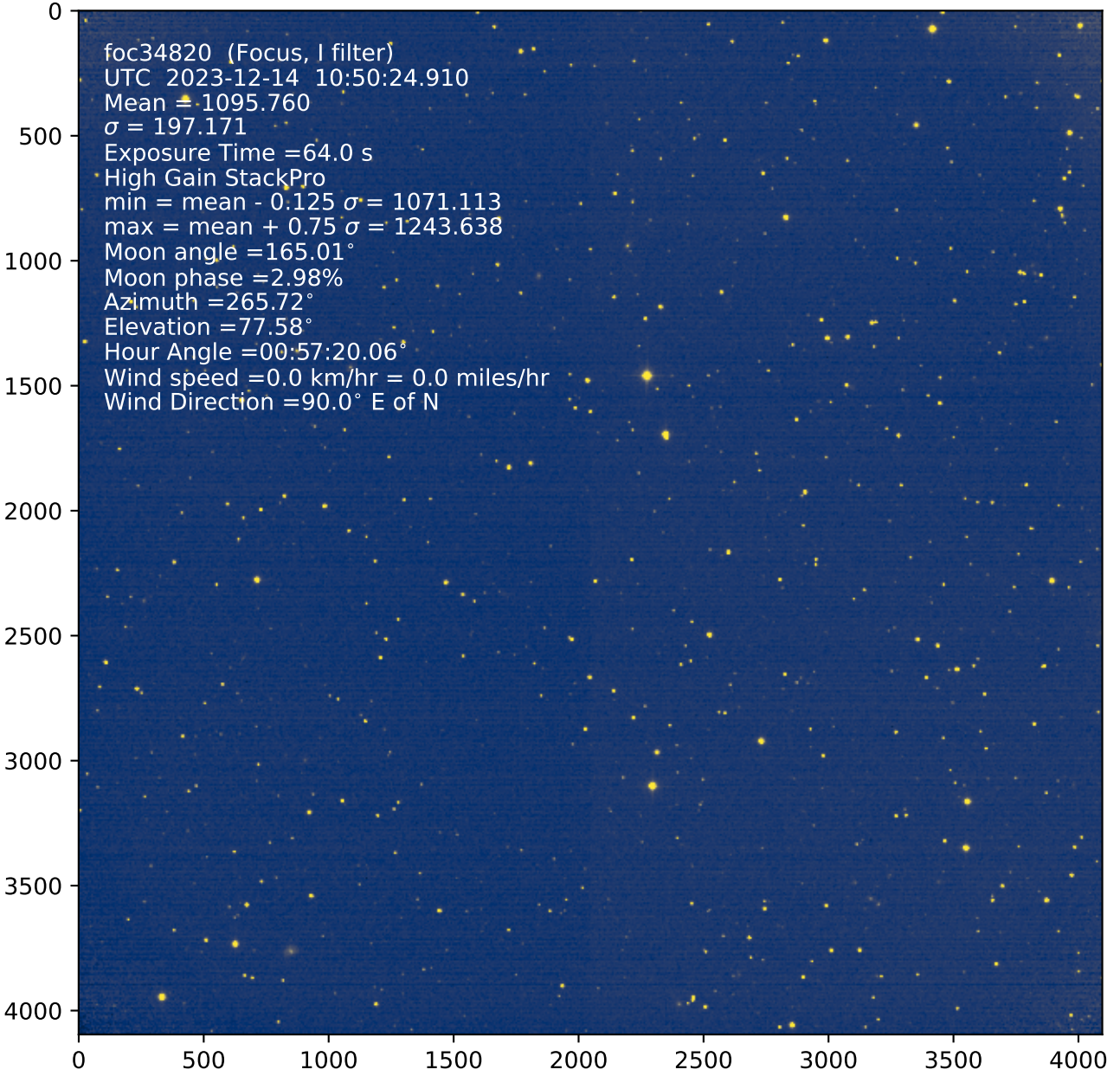
foc34820 (Focus, I filter)
UTC 2023-12-14 10:50:24.910
Mean = 1095.760
σ = 197.171
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1071.113
max = mean + 0.75 σ = 1243.638
Moon angle =165.01˚
Moon phase =2.98%
Azimuth =265.72˚
Elevation =77.58˚
Hour Angle =00:57:20.06˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
0
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3000
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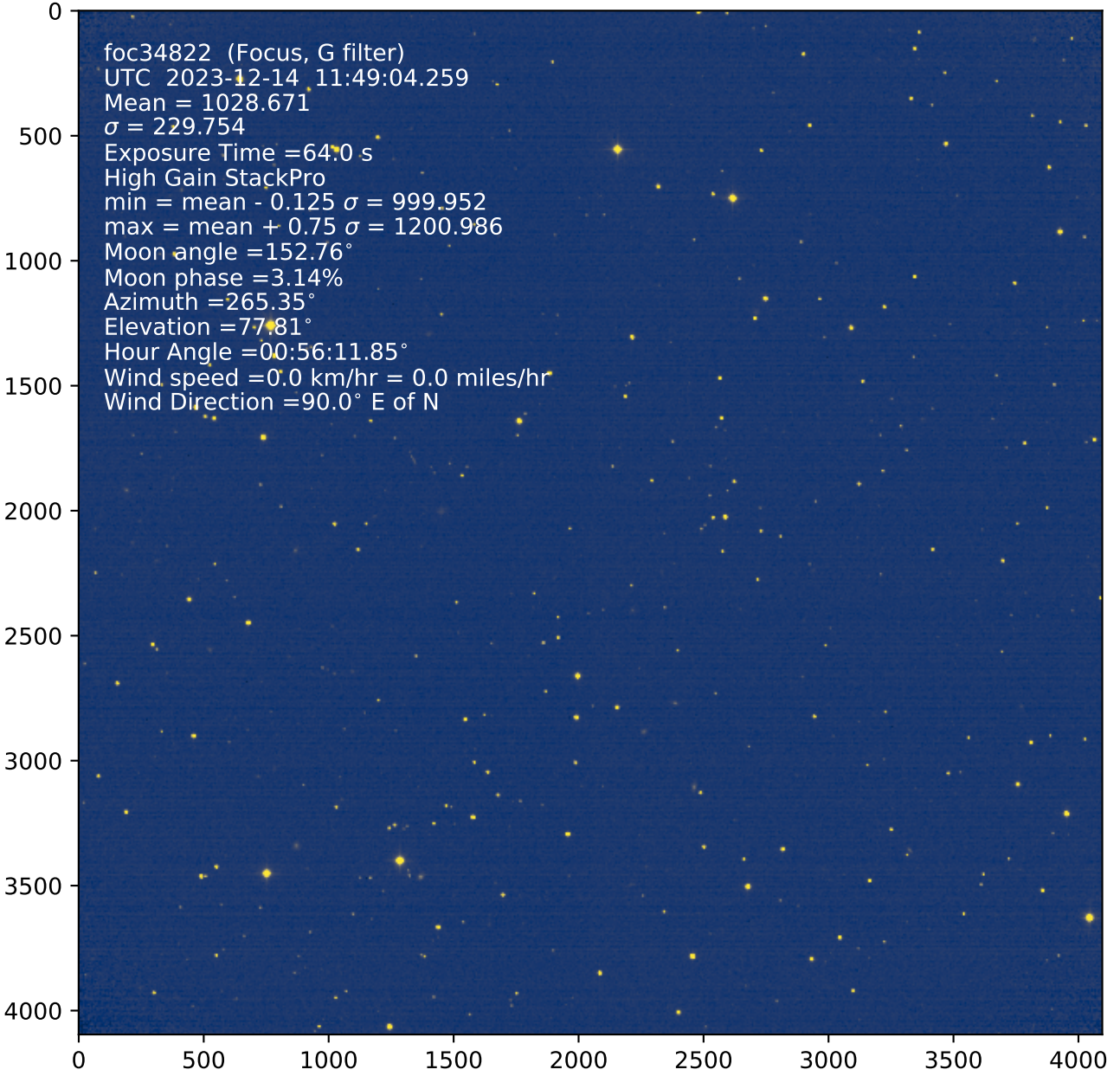
4000


foc34822 (Focus, G filter)
UTC 2023-12-14 11:49:04.259
Mean = 1028.671
σ = 229.754
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 999.952
max = mean + 0.75 σ = 1200.986
Moon angle =152.76˚
Moon phase =3.14%
Azimuth =265.35˚
Elevation =77.81˚
Hour Angle =00:56:11.85˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
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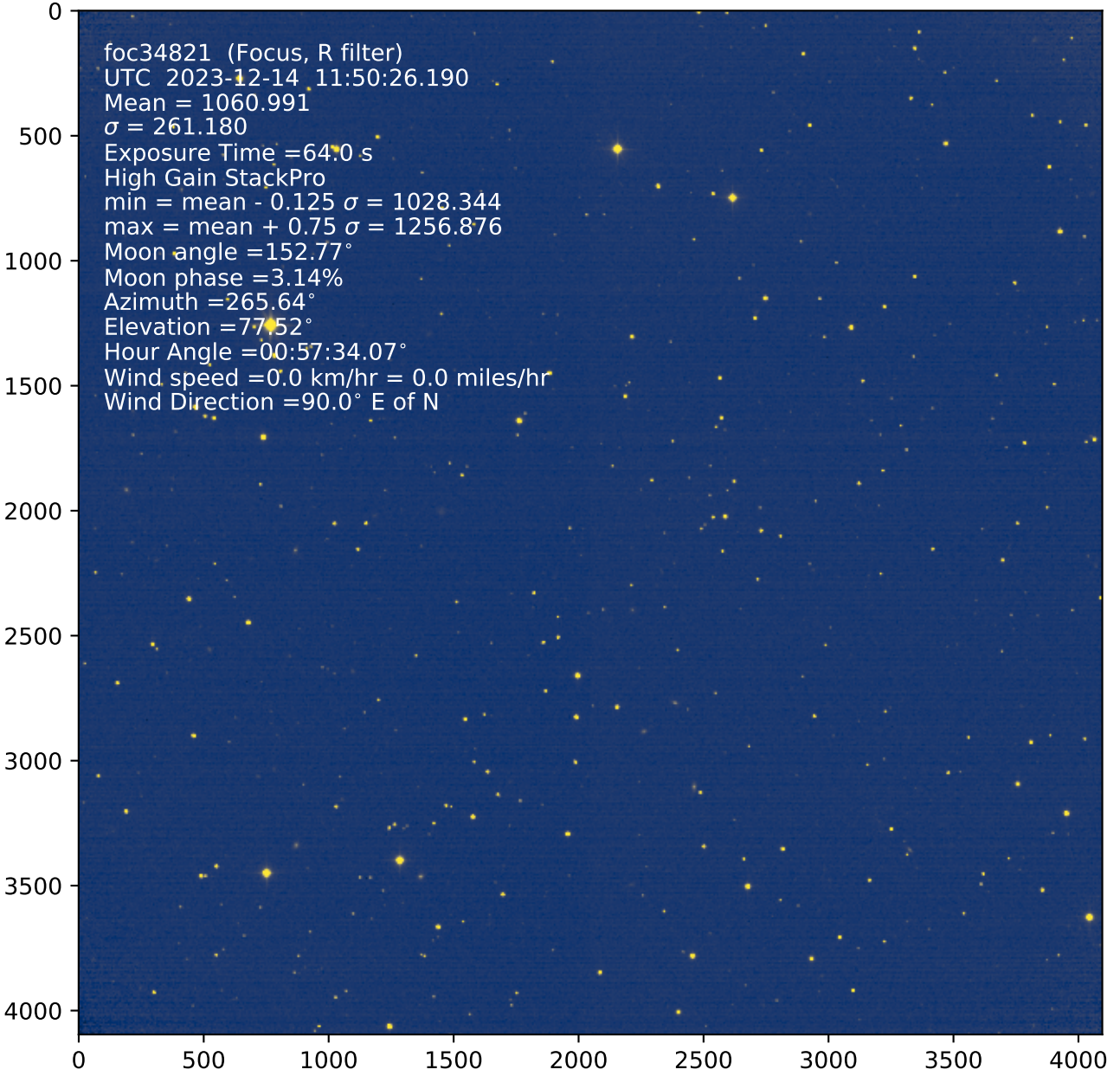
4000


foc34821 (Focus, R filter)
UTC 2023-12-14 11:50:26.190
Mean = 1060.991
σ = 261.180
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1028.344
max = mean + 0.75 σ = 1256.876
Moon angle =152.77°
Moon phase =3.14%
Azimuth =265.64°
Elevation =77.52°
Hour Angle =00:57:34.07°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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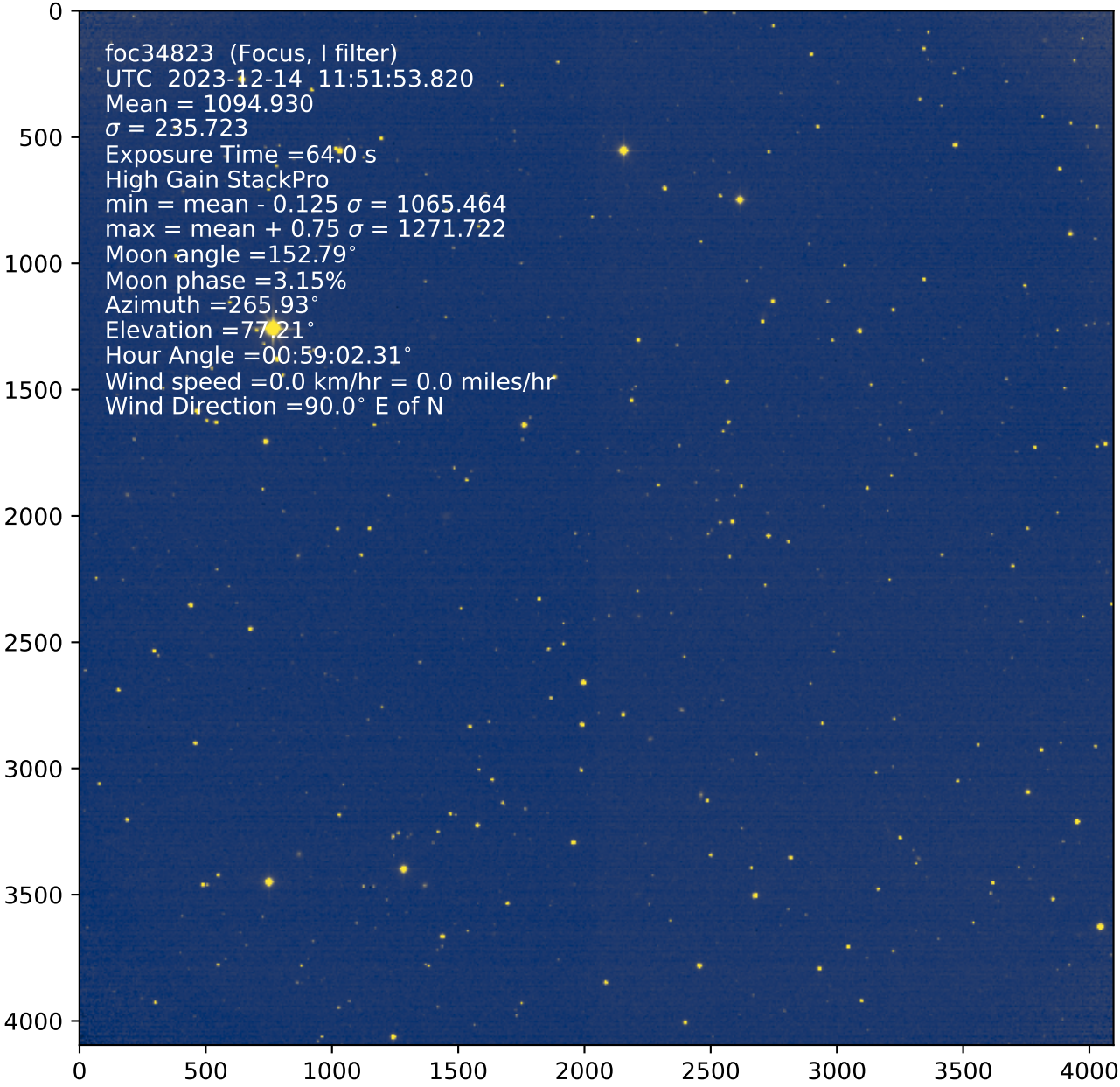
foc34823 (Focus, I filter)
UTC 2023-12-14 11:51:53.820
Mean = 1094.930
σ = 235.723
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1065.464
max = mean + 0.75 σ = 1271.722
Moon angle =152.79˚
Moon phase =3.15%
Azimuth =265.93˚
Elevation =77.21˚
Hour Angle =00:59:02.31˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
0
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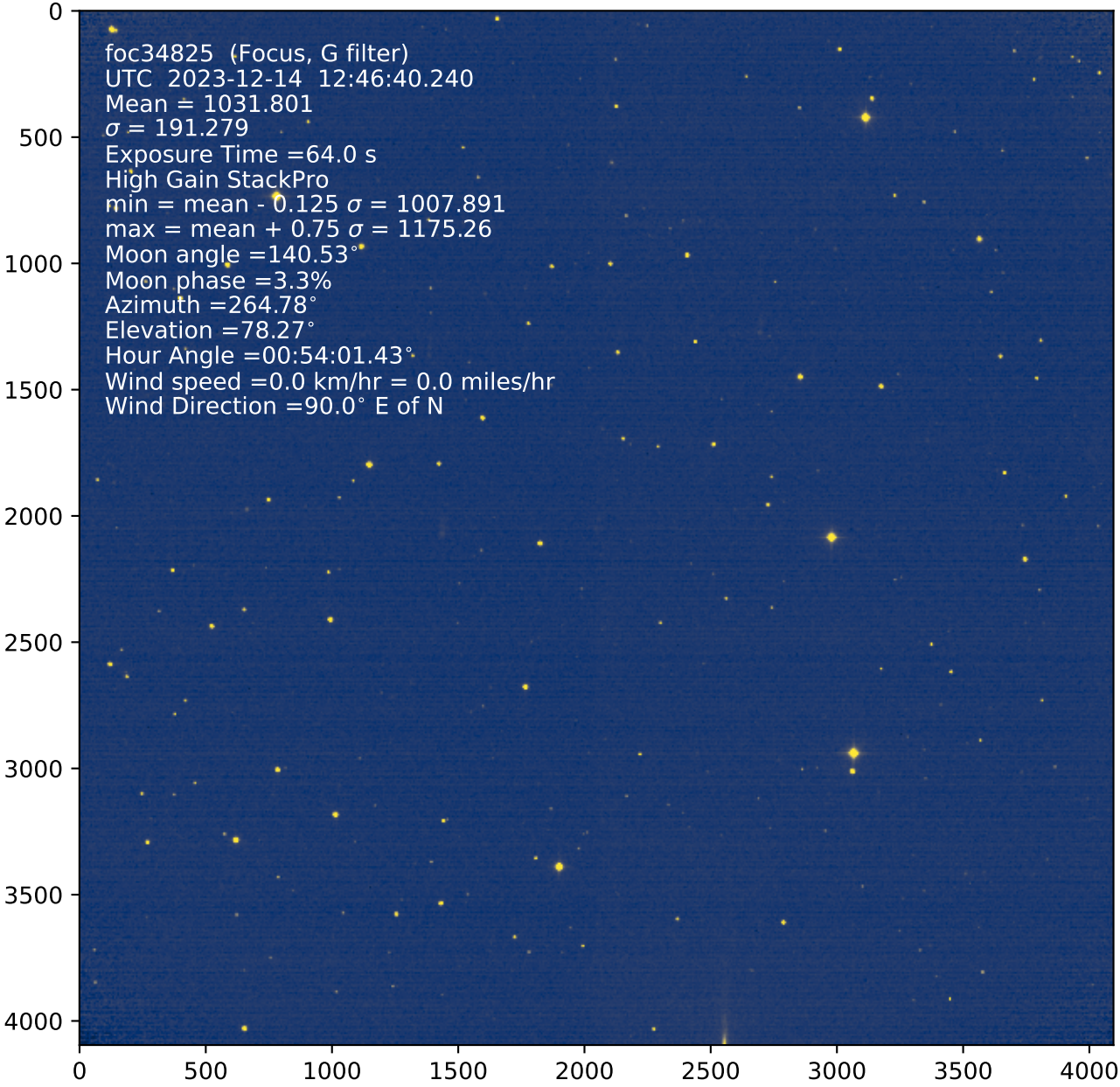
foc34825 (Focus, G filter)
UTC 2023-12-14 12:46:40.240
Mean = 1031.801
σ = 191.279
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1007.891
max = mean + 0.75 σ = 1175.26
Moon angle =140.53°
Moon phase =3.3%
Azimuth =264.78°
Elevation =78.27°
Hour Angle =00:54:01.43°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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3500
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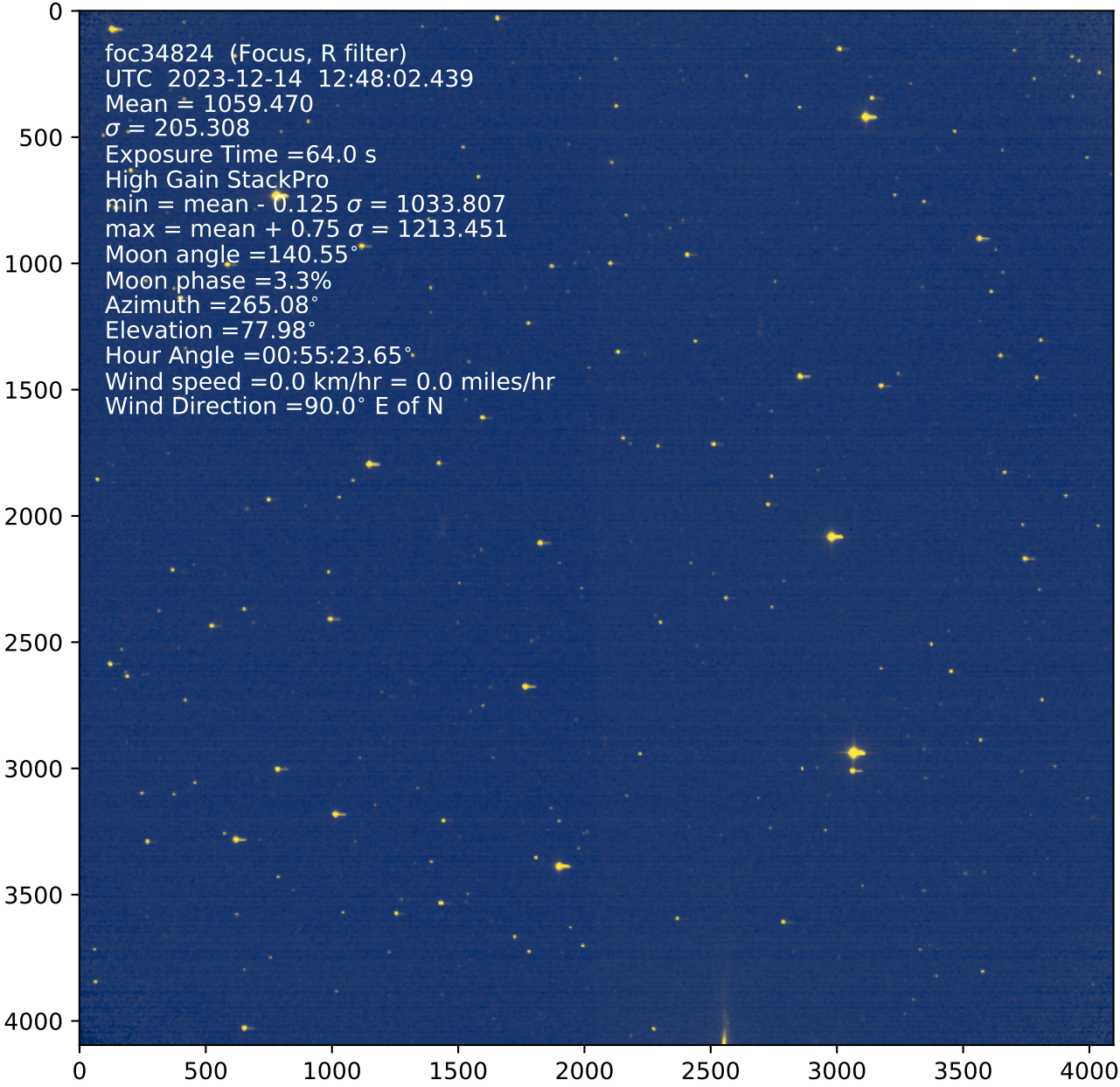
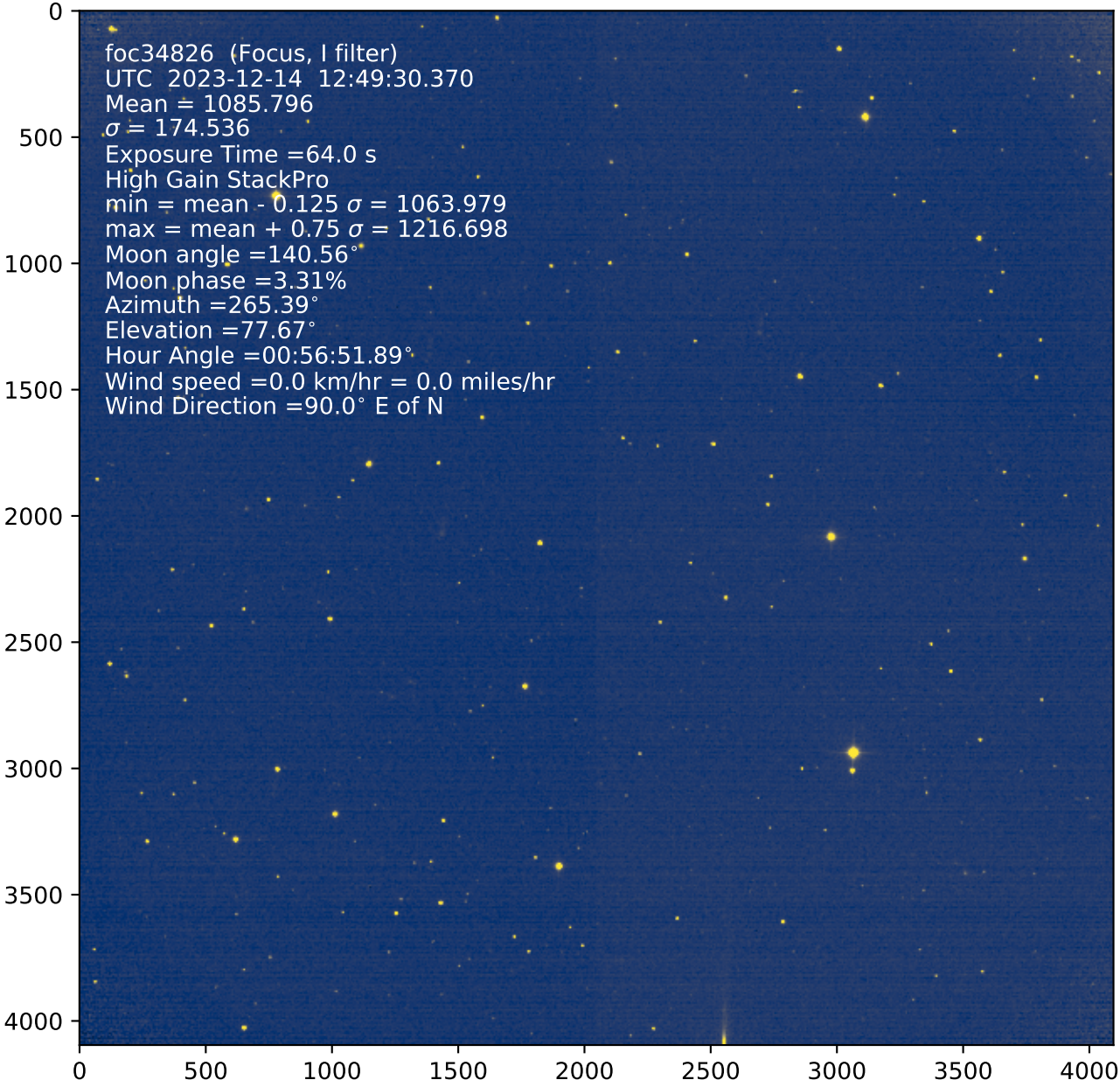

foc34824 (Focus, R filter)
UTC 2023-12-14 12:48:02.439
Mean = 1059.470
σ = 205.308
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1033.807
max = mean + 0.75 σ = 1213.451
Moon angle =140.55°
Moon phase =3.3%
Azimuth =265.08°
Elevation =77.98°
Hour Angle =00:55:23.65°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


foc34826 (Focus, I filter)
UTC 2023-12-14 12:49:30.370
Mean = 1085.796
σ = 174.536
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1063.979
max = mean + 0.75 σ = 1216.698
Moon angle =140.56°
Moon phase =3.31%
Azimuth =265.39°
Elevation =77.67°
Hour Angle =00:56:51.89°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
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1500
2000
2500
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3500
4000