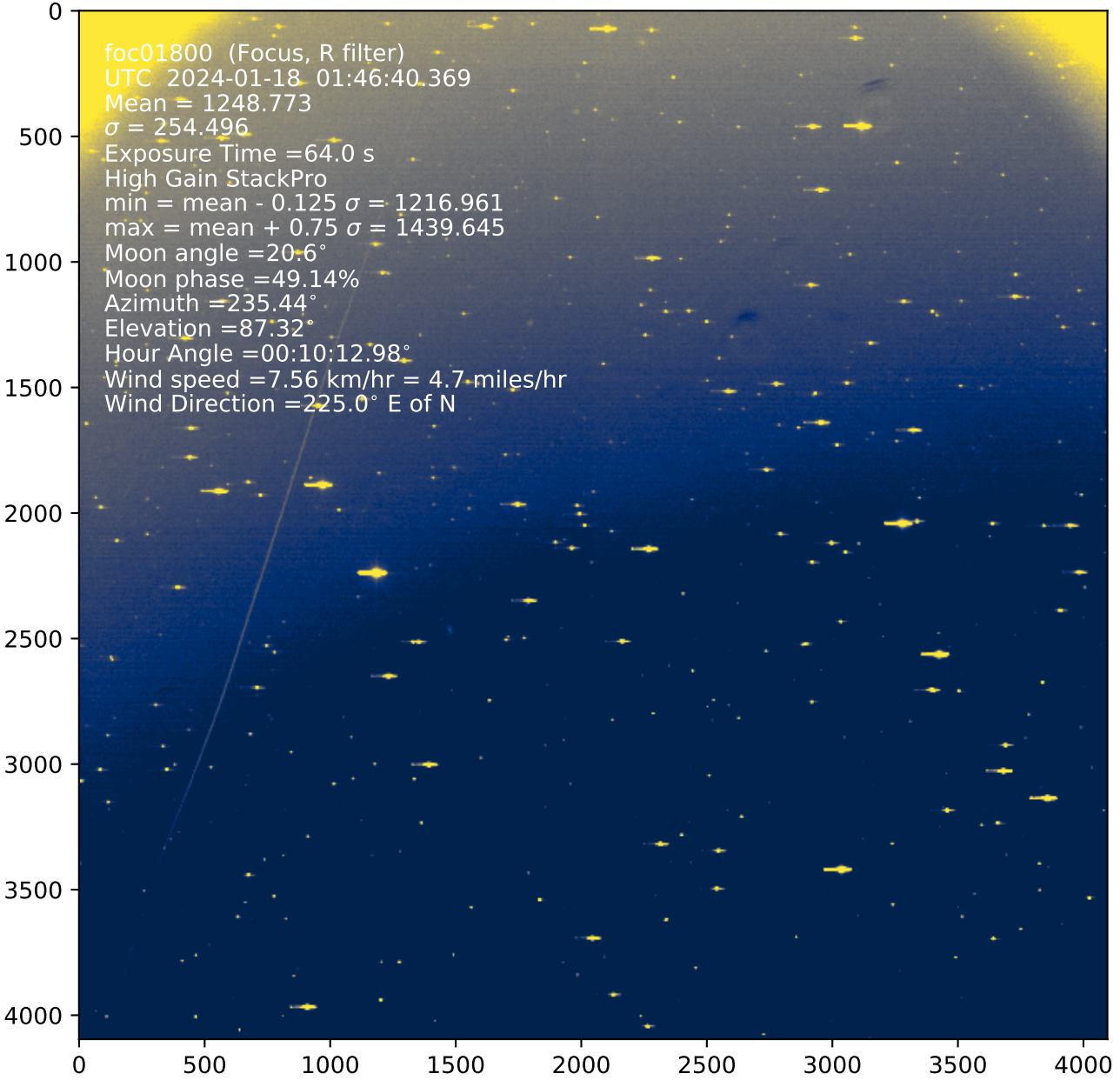
foc01800 (Focus, R filter)
UTC 2024-01-18 01:46:40.369
Mean = 1248.773
σ = 254.496
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1216.961
max = mean + 0.75 σ = 1439.645
Moon angle =20.6°
Moon phase =49.14%
Azimuth =235.44°
Elevation =87.32°
Hour Angle =00:10:12.98°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =225.0° E of N
0
500
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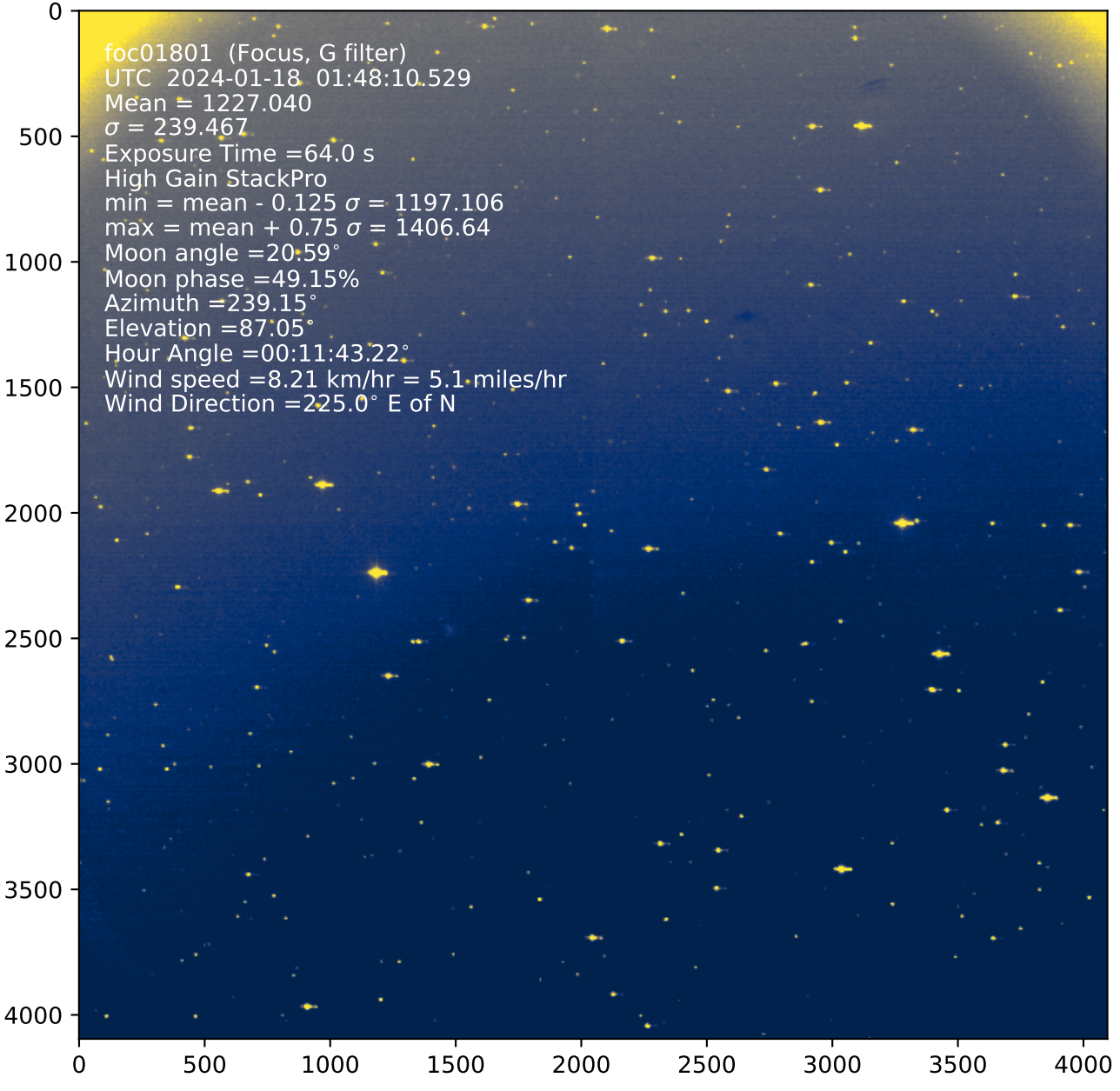
3000
3500
4000


foc01801 (Focus, G filter)
UTC 2024-01-18 01:48:10.529
Mean = 1227.040
σ = 239.467
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1197.106
max = mean + 0.75 σ = 1406.64
Moon angle =20.59°
Moon phase =49.15%
Azimuth =239.15°
Elevation =87.05°
Hour Angle =00:11:43.22°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =225.0° E of N
0
500
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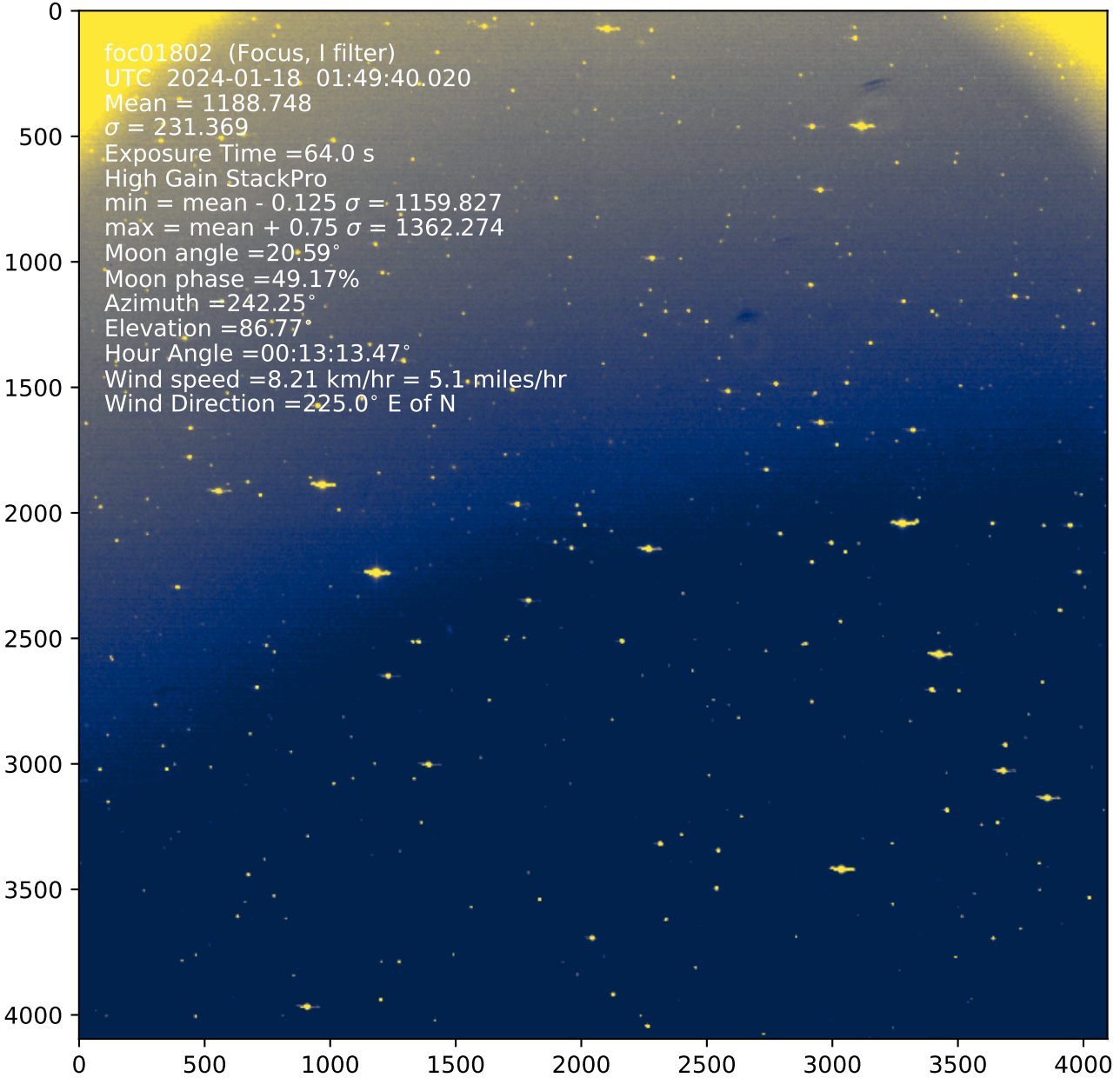
3500
4000


foc01802 (Focus, I filter)
UTC 2024-01-18 01:49:40.020
Mean = 1188.748
σ = 231.369
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1159.827
max = mean + 0.75 σ = 1362.274
Moon angle =20.59°
Moon phase =49.17%
Azimuth =242.25°
Elevation =86.77°
Hour Angle =00:13:13.47°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =225.0° E of N
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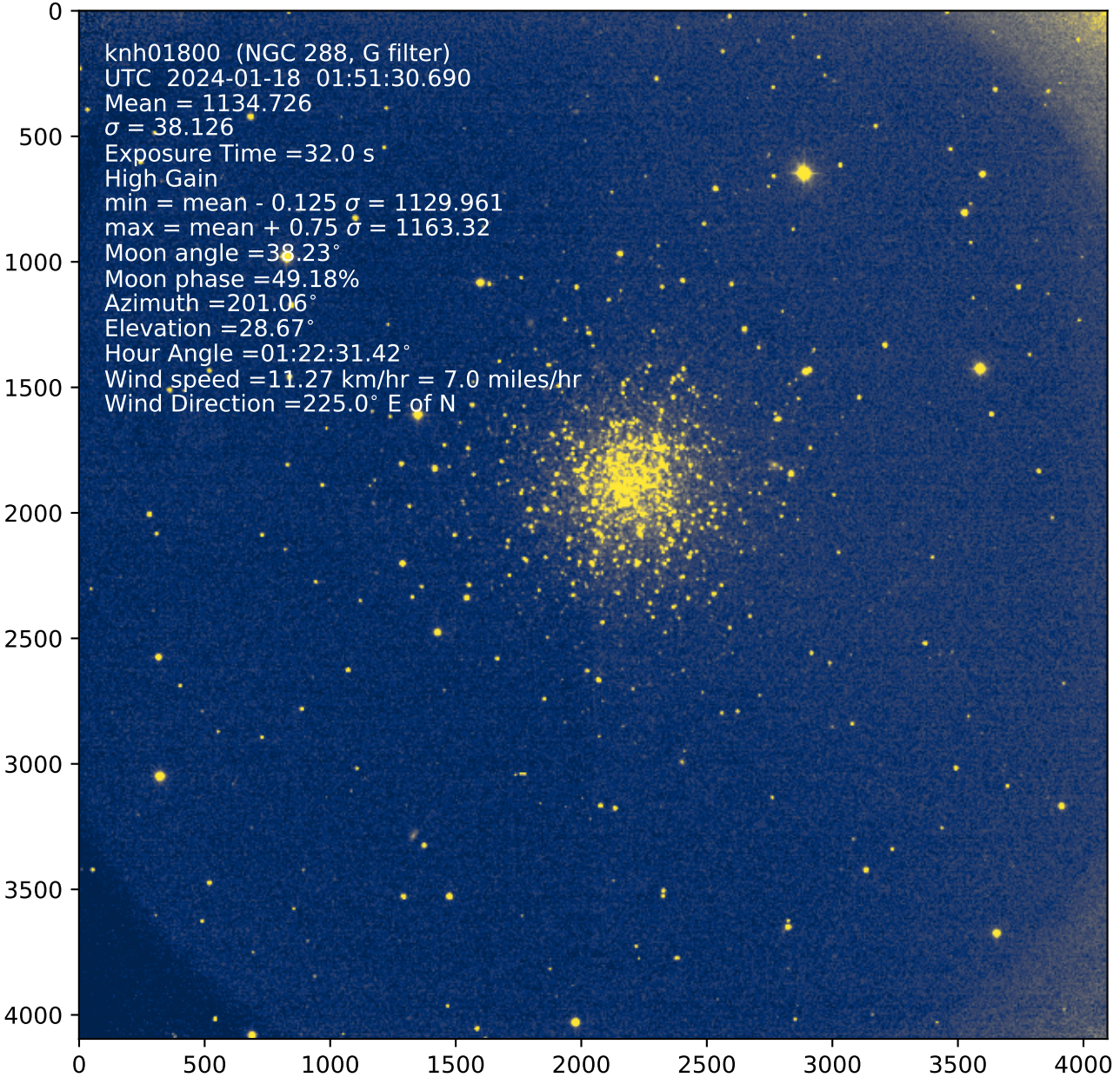
3500
4000


knh01800 (NGC 288, G filter)
UTC 2024-01-18 01:51:30.690
Mean = 1134.726
σ = 38.126
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1129.961
max = mean + 0.75 σ = 1163.32
Moon angle =38.23°
Moon phase =49.18%
Azimuth =201.06°
Elevation =28.67°
Hour Angle =01:22:31.42°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =225.0° E of N
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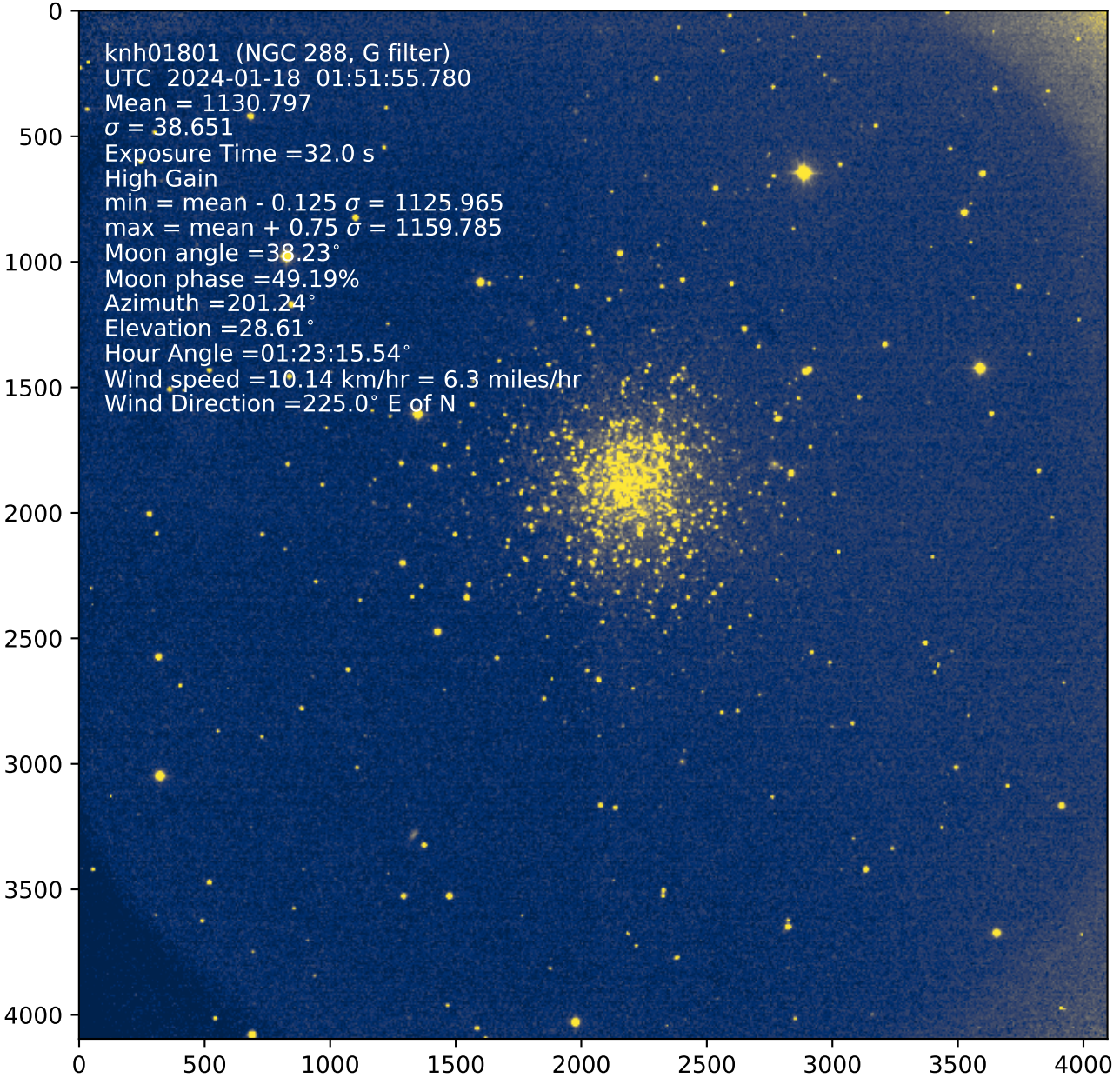
knh01801 (NGC 288, G filter)
UTC 2024-01-18 01:51:55.780
Mean = 1130.797
σ = 38.651
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1125.965
max = mean + 0.75 σ = 1159.785
Moon angle =38.23°
Moon phase =49.19%
Azimuth =201.24°
Elevation =28.61°
Hour Angle =01:23:15.54°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
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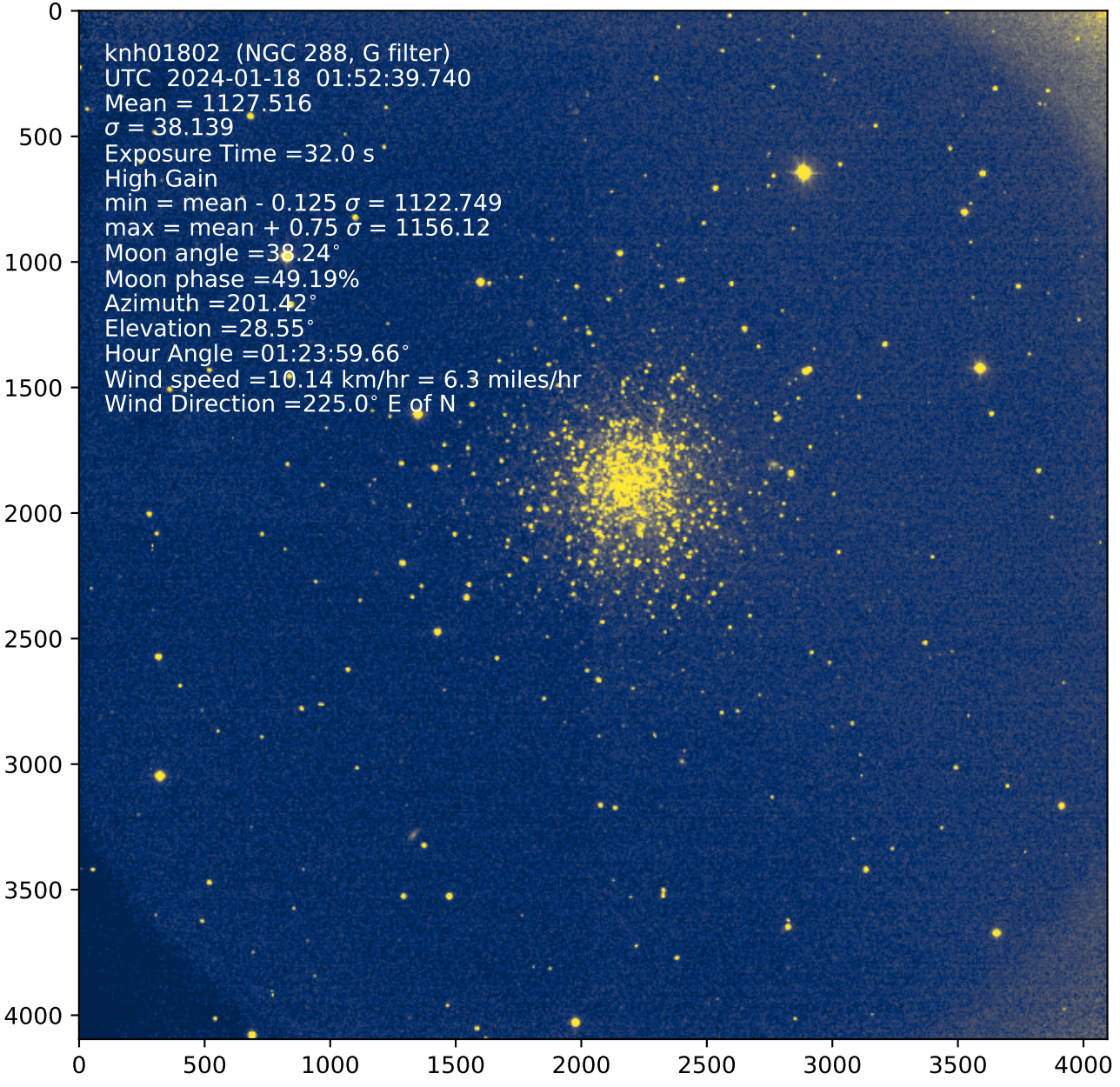
knh01802 (NGC 288, G filter)
UTC 2024-01-18 01:52:39.740
Mean = 1127.516
σ = 38.139
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1122.749
max = mean + 0.75 σ = 1156.12
Moon angle =38.24°
Moon phase =49.19%
Azimuth =201.42°
Elevation =28.55°
Hour Angle =01:23:59.66°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
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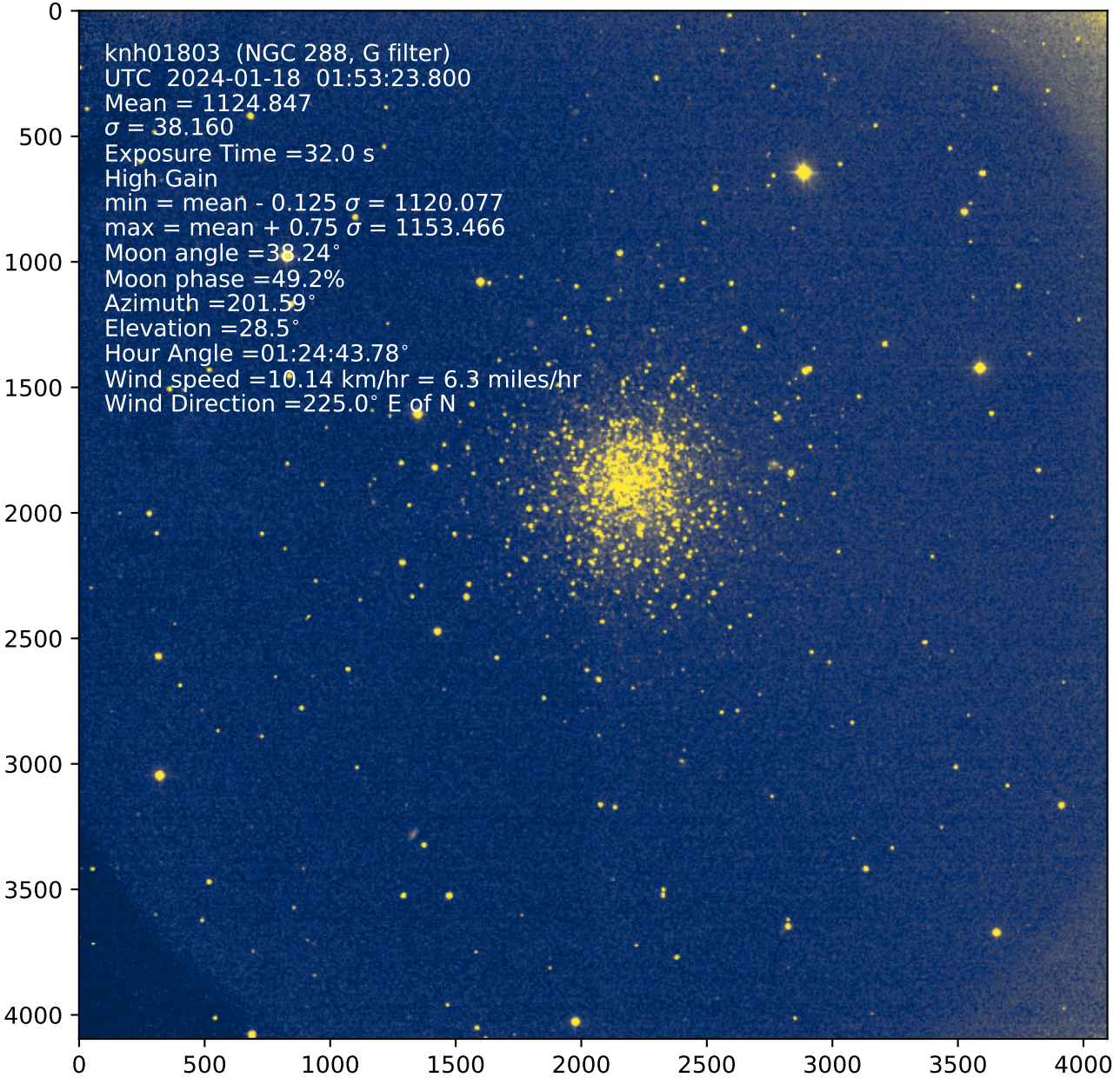
knh01803 (NGC 288, G filter)
UTC 2024-01-18 01:53:23.800
Mean = 1124.847
σ = 38.160
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1120.077
max = mean + 0.75 σ = 1153.466
Moon angle =38.24°
Moon phase =49.2%
Azimuth =201.59°
Elevation =28.5°
Hour Angle =01:24:43.78°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
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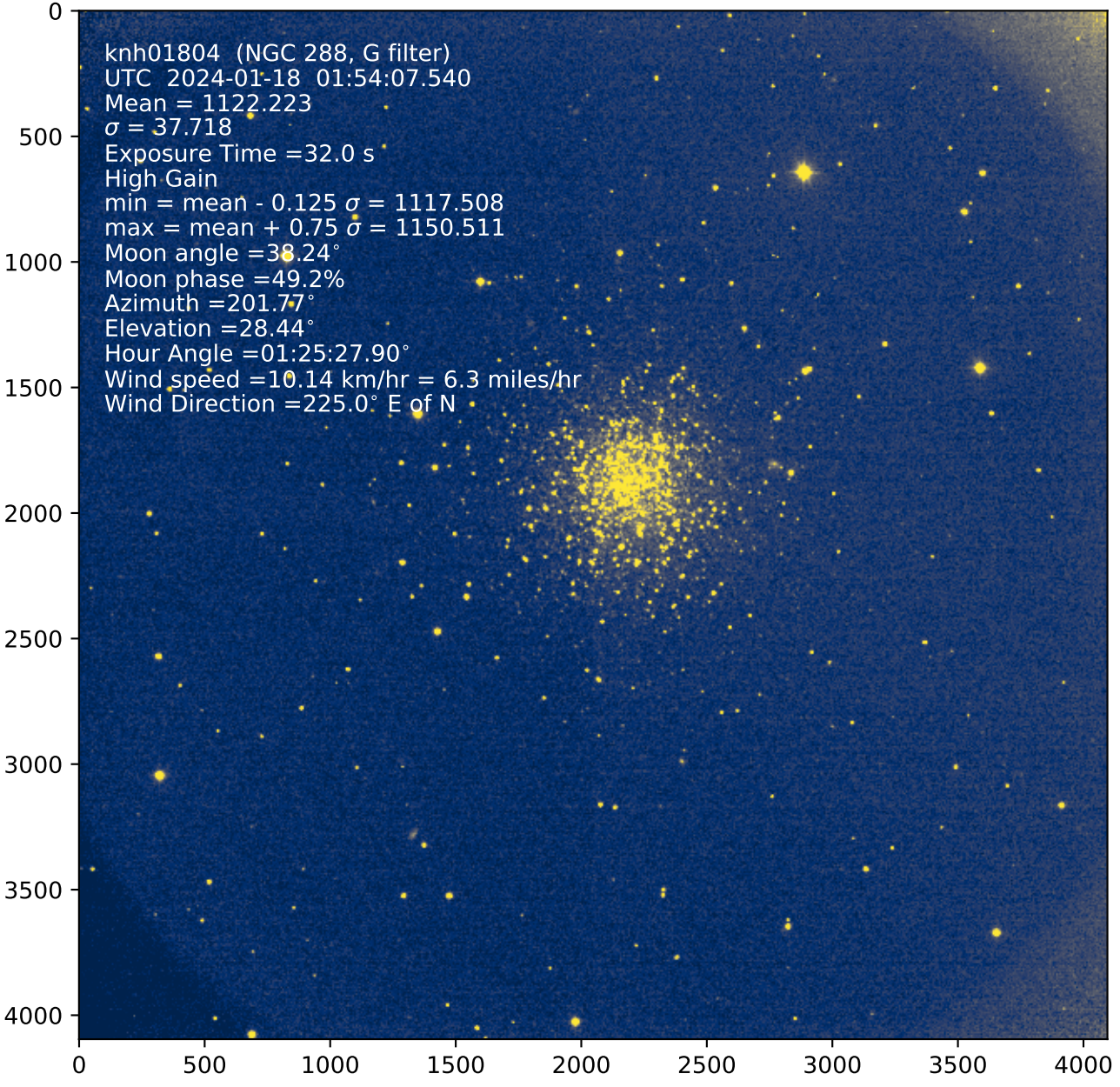
knh01804 (NGC 288, G filter)
UTC 2024-01-18 01:54:07.540
Mean = 1122.223
σ = 37.718
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1117.508
max = mean + 0.75 σ = 1150.511
Moon angle =38.24°
Moon phase =49.2%
Azimuth =201.77°
Elevation =28.44°
Hour Angle =01:25:27.90°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
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3000
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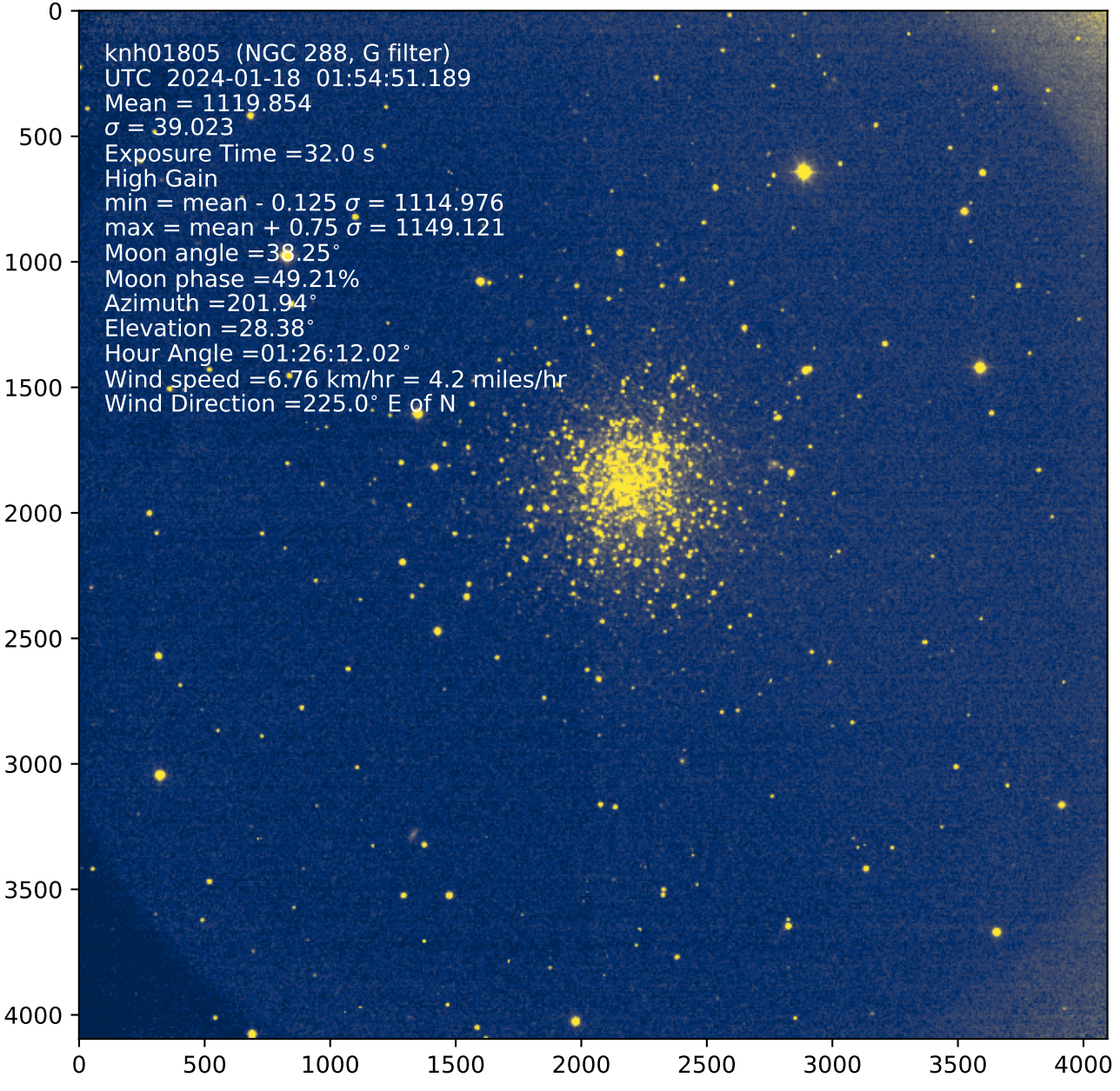
4000


knh01805 (NGC 288, G filter)
UTC 2024-01-18 01:54:51.189
Mean = 1119.854
σ = 39.023
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1114.976
max = mean + 0.75 σ = 1149.121
Moon angle =38.25°
Moon phase =49.21%
Azimuth =201.94°
Elevation =28.38°
Hour Angle =01:26:12.02°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =225.0° E of N
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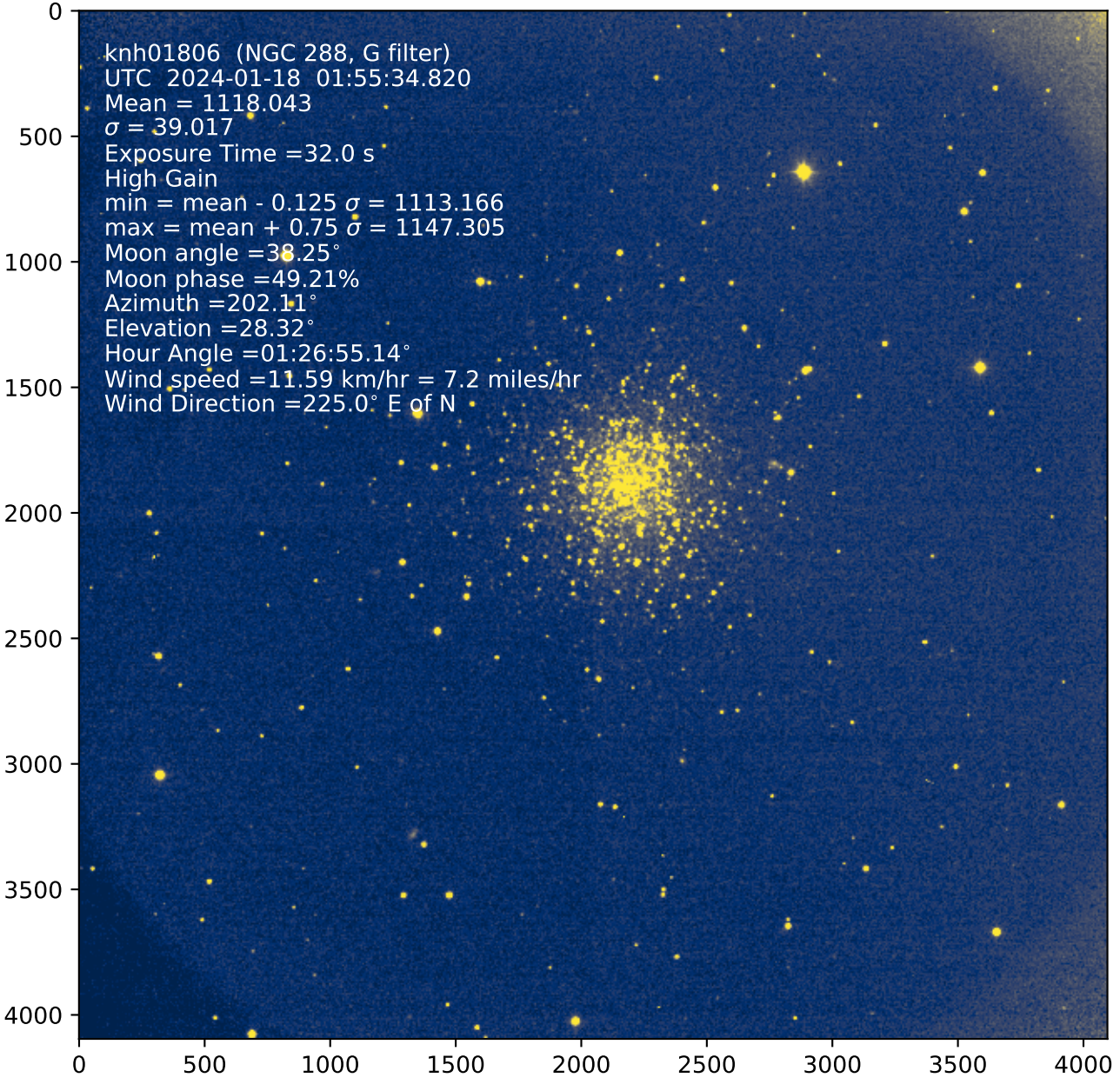
4000


knh01806 (NGC 288, G filter)
UTC 2024-01-18 01:55:34.820
Mean = 1118.043
σ = 39.017
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1113.166
max = mean + 0.75 σ = 1147.305
Moon angle =38.25°
Moon phase =49.21%
Azimuth =202.11°
Elevation =28.32°
Hour Angle =01:26:55.14°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =225.0° E of N
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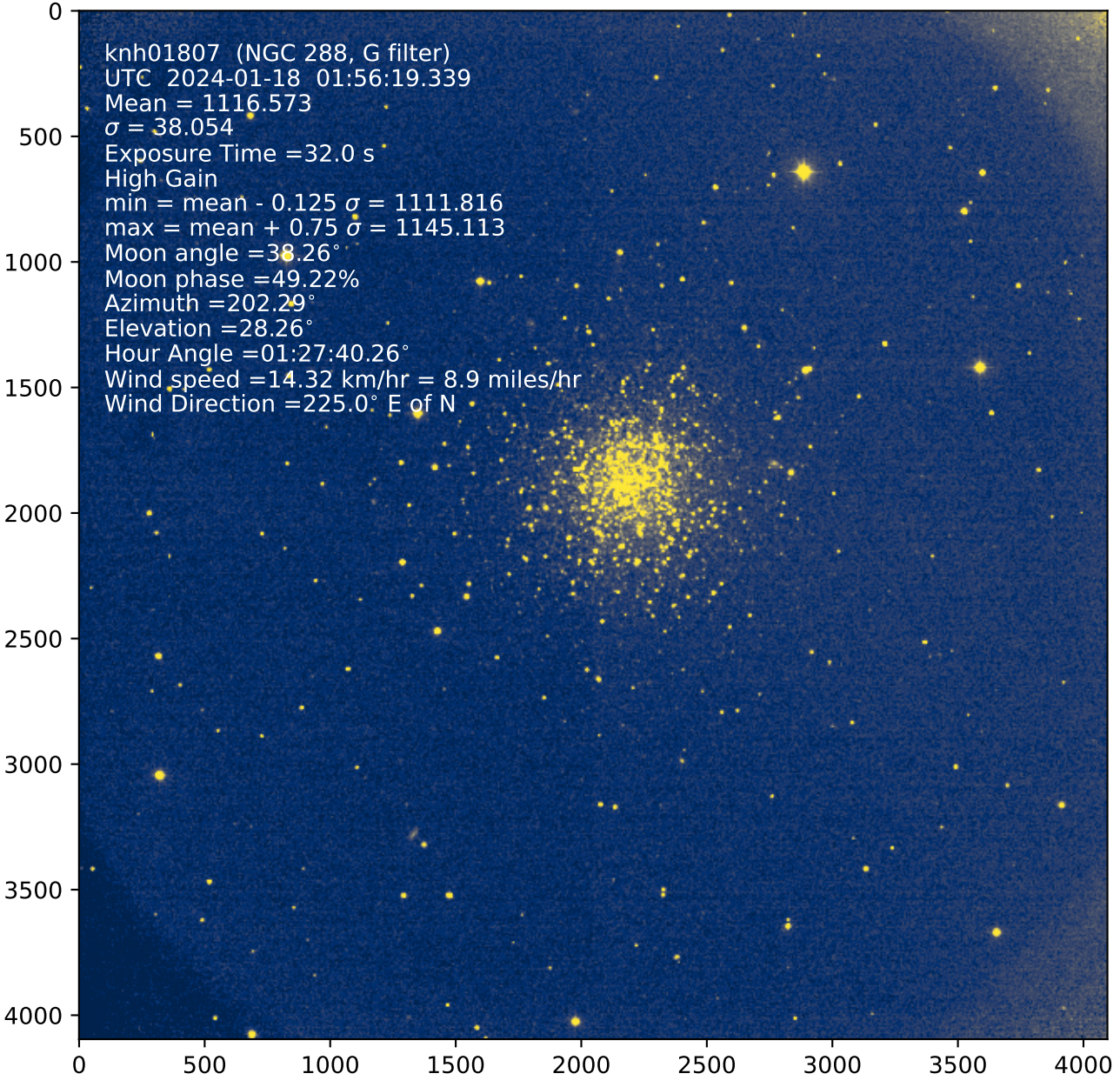
knh01807 (NGC 288, G filter)
UTC 2024-01-18 01:56:19.339
Mean = 1116.573
σ = 38.054
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1111.816
max = mean + 0.75 σ = 1145.113
Moon angle =38.26°
Moon phase =49.22%
Azimuth =202.29°
Elevation =28.26°
Hour Angle =01:27:40.26°
Wind speed =14.32 km/hr = 8.9 miles/hr
Wind Direction =225.0° E of N
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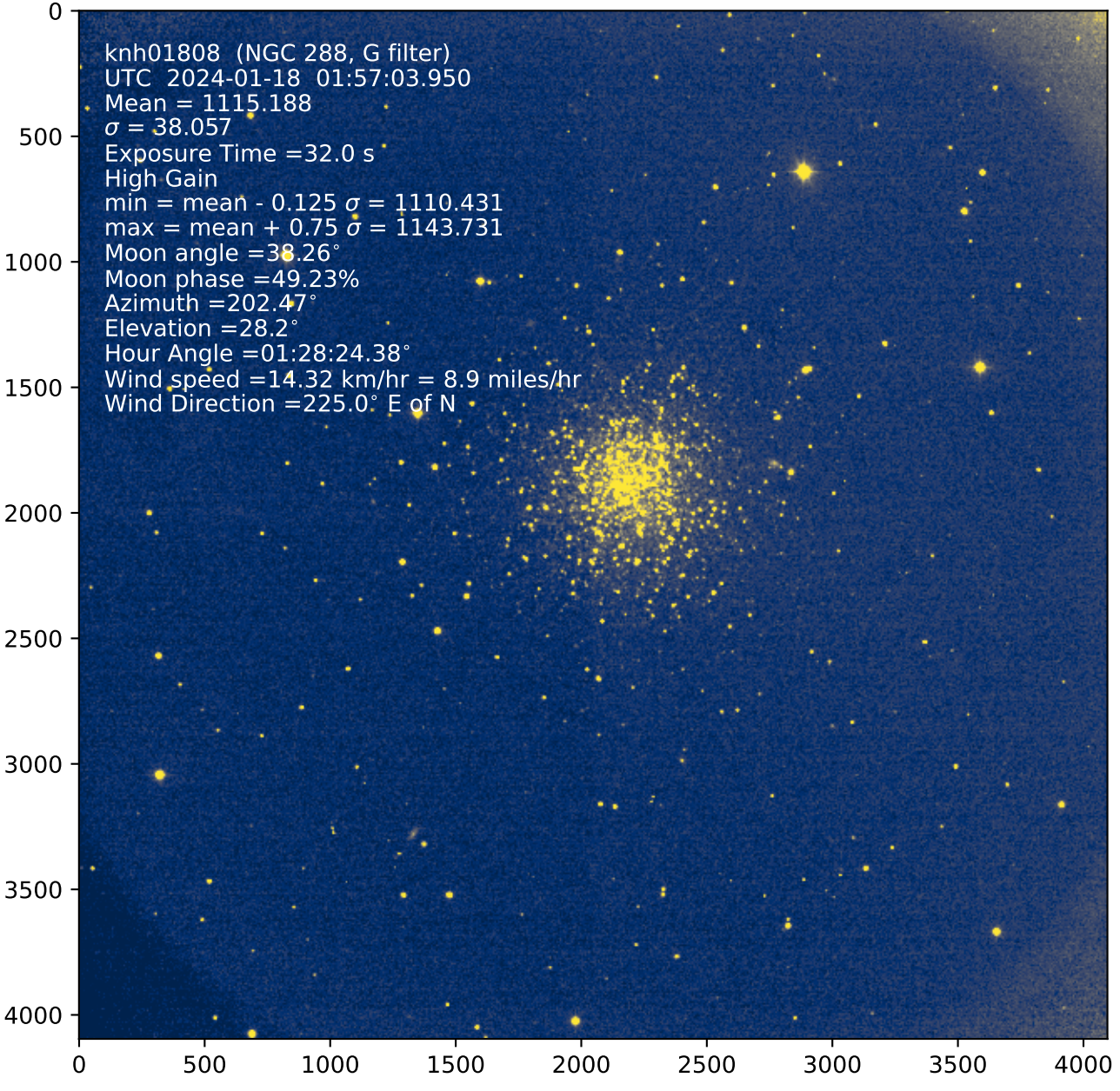
knh01808 (NGC 288, G filter)
UTC 2024-01-18 01:57:03.950
Mean = 1115.188
σ = 38.057
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1110.431
max = mean + 0.75 σ = 1143.731
Moon angle =38.26°
Moon phase =49.23%
Azimuth =202.47°
Elevation =28.2°
Hour Angle =01:28:24.38°
Wind speed =14.32 km/hr = 8.9 miles/hr
Wind Direction =225.0° E of N
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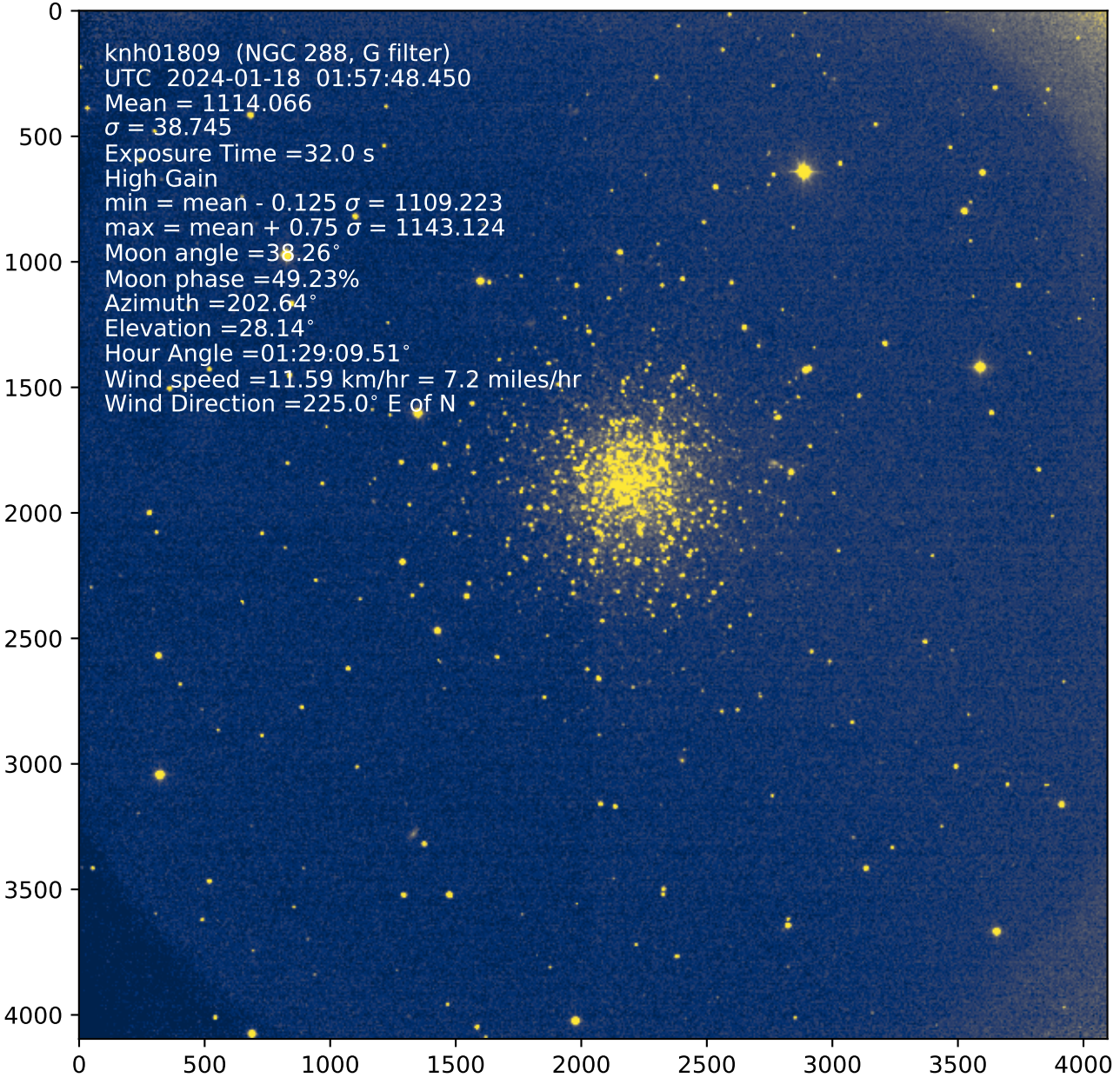
knh01809 (NGC 288, G filter)
UTC 2024-01-18 01:57:48.450
Mean = 1114.066
σ = 38.745
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1109.223
max = mean + 0.75 σ = 1143.124
Moon angle =38.26°
Moon phase =49.23%
Azimuth =202.64°
Elevation =28.14°
Hour Angle =01:29:09.51°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =225.0° E of N
0
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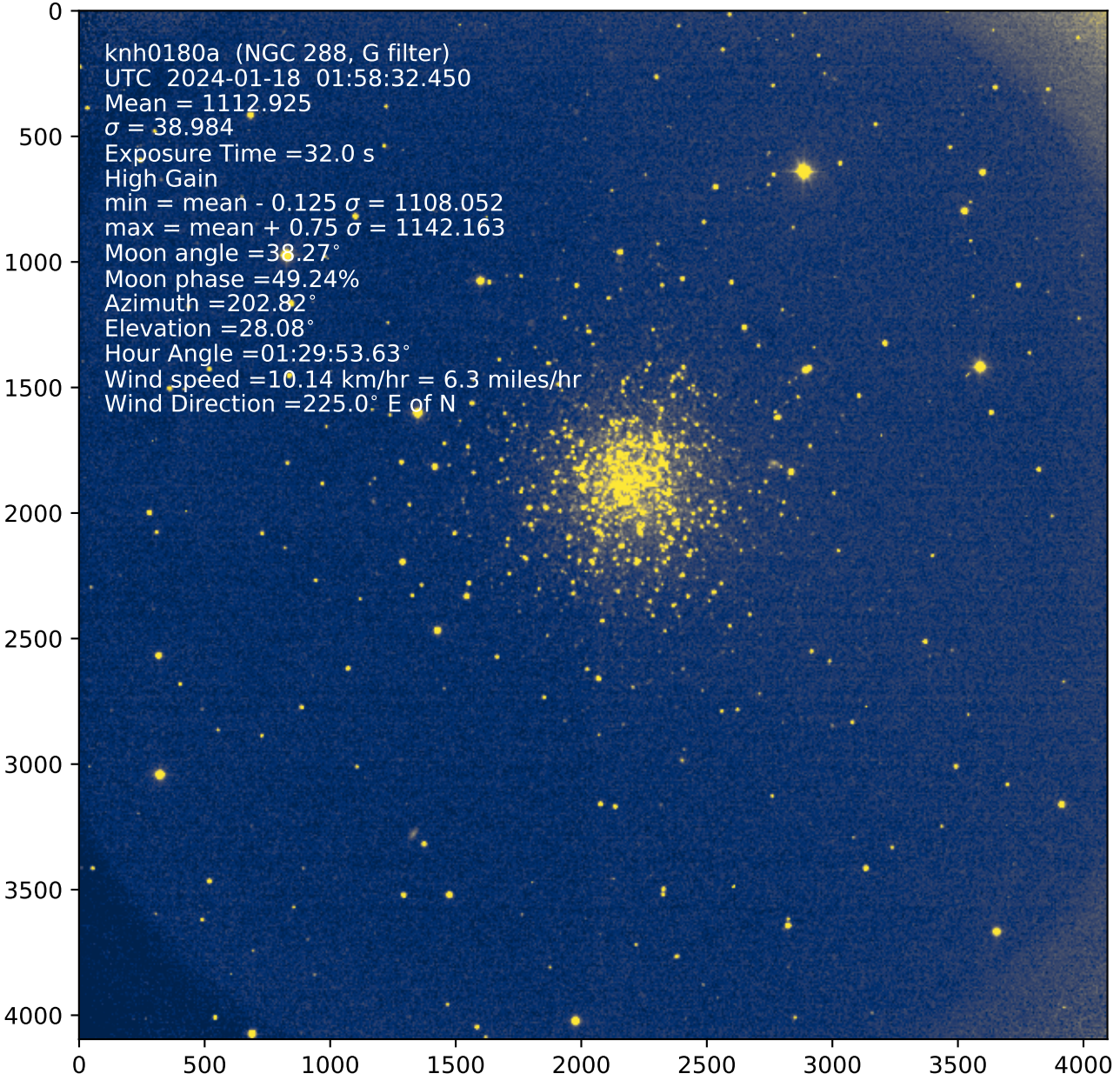
3000
3500
4000


knh0180a (NGC 288, G filter)
UTC 2024-01-18 01:58:32.450
Mean = 1112.925
σ = 38.984
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1108.052
max = mean + 0.75 σ = 1142.163
Moon angle =38.27°
Moon phase =49.24%
Azimuth =202.82°
Elevation =28.08°
Hour Angle =01:29:53.63°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
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2500
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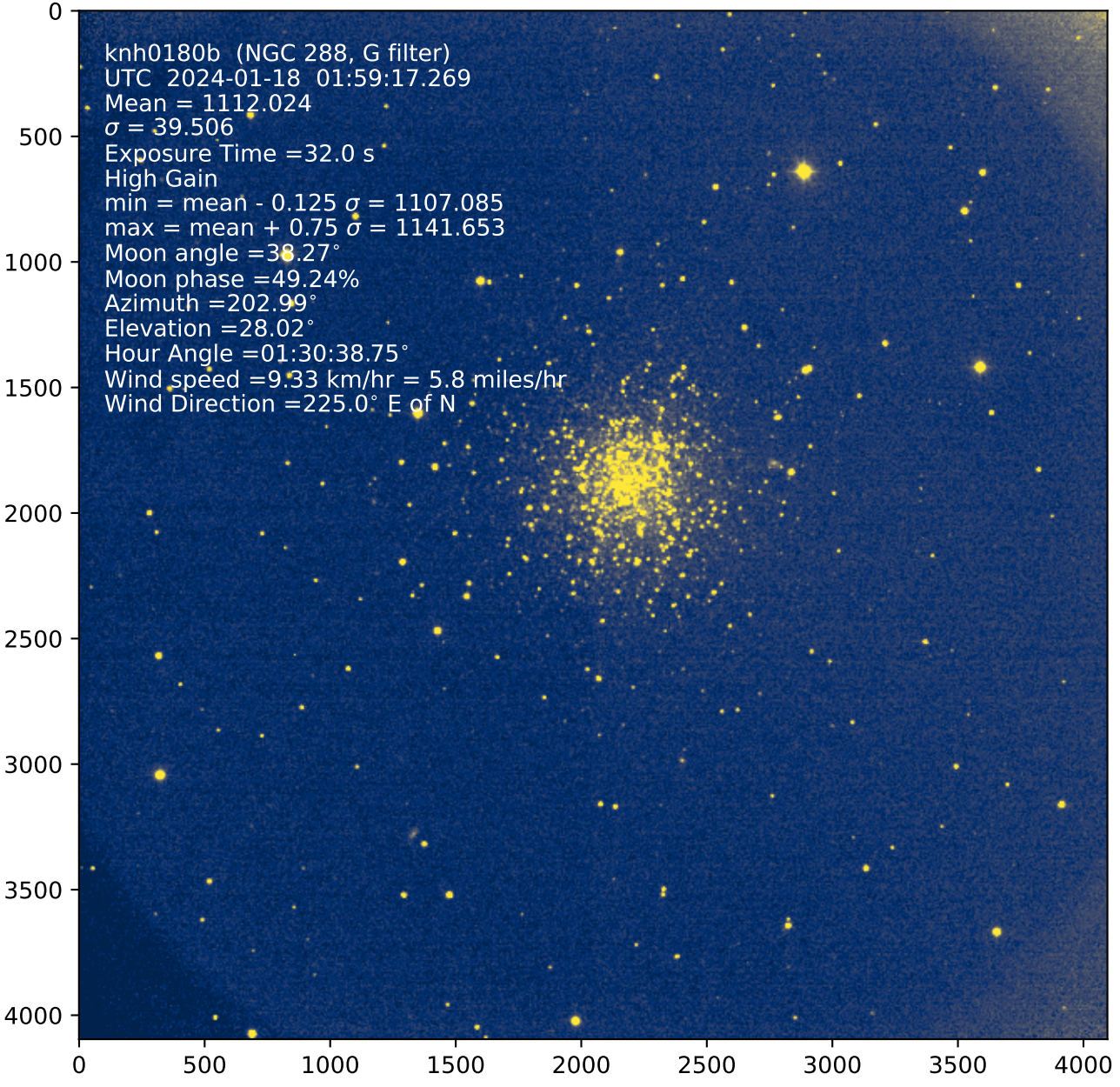
knh0180b (NGC 288, G filter)
UTC 2024-01-18 01:59:17.269
Mean = 1112.024
σ = 39.506
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1107.085
max = mean + 0.75 σ = 1141.653
Moon angle =38.27°
Moon phase =49.24%
Azimuth =202.99°
Elevation =28.02°
Hour Angle =01:30:38.75°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
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2500
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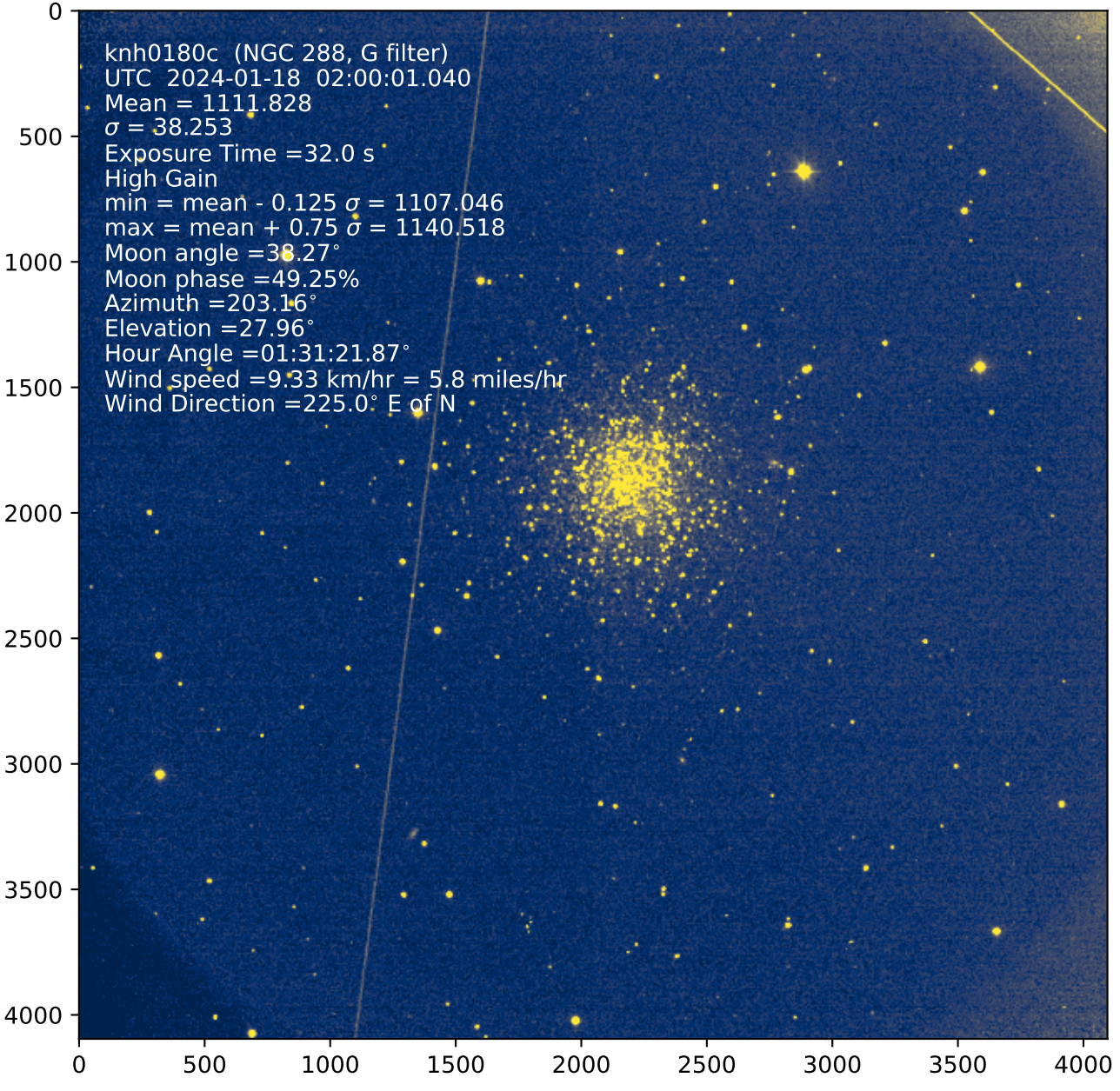
3500
4000


knh0180c (NGC 288, G filter)
UTC 2024-01-18 02:00:01.040
Mean = 1111.828
σ = 38.253
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1107.046
max = mean + 0.75 σ = 1140.518
Moon angle =38.27°
Moon phase =49.25%
Azimuth =203.16°
Elevation =27.96°
Hour Angle =01:31:21.87°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
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2500
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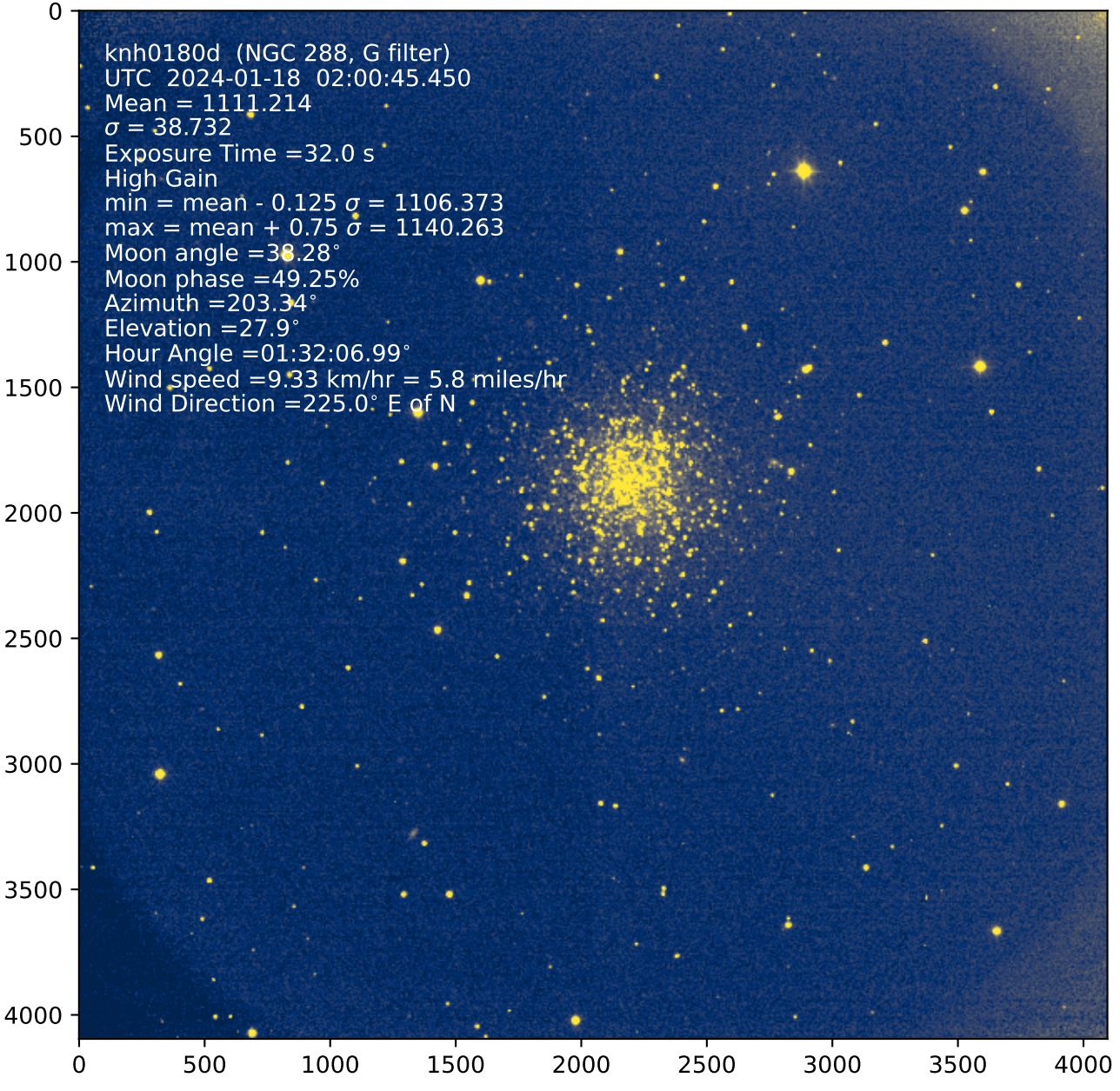
3500
4000


knh0180d (NGC 288, G filter)
UTC 2024-01-18 02:00:45.450
Mean = 1111.214
σ = 38.732
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1106.373
max = mean + 0.75 σ = 1140.263
Moon angle =38.28°
Moon phase =49.25%
Azimuth =203.34°
Elevation =27.9°
Hour Angle =01:32:06.99°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
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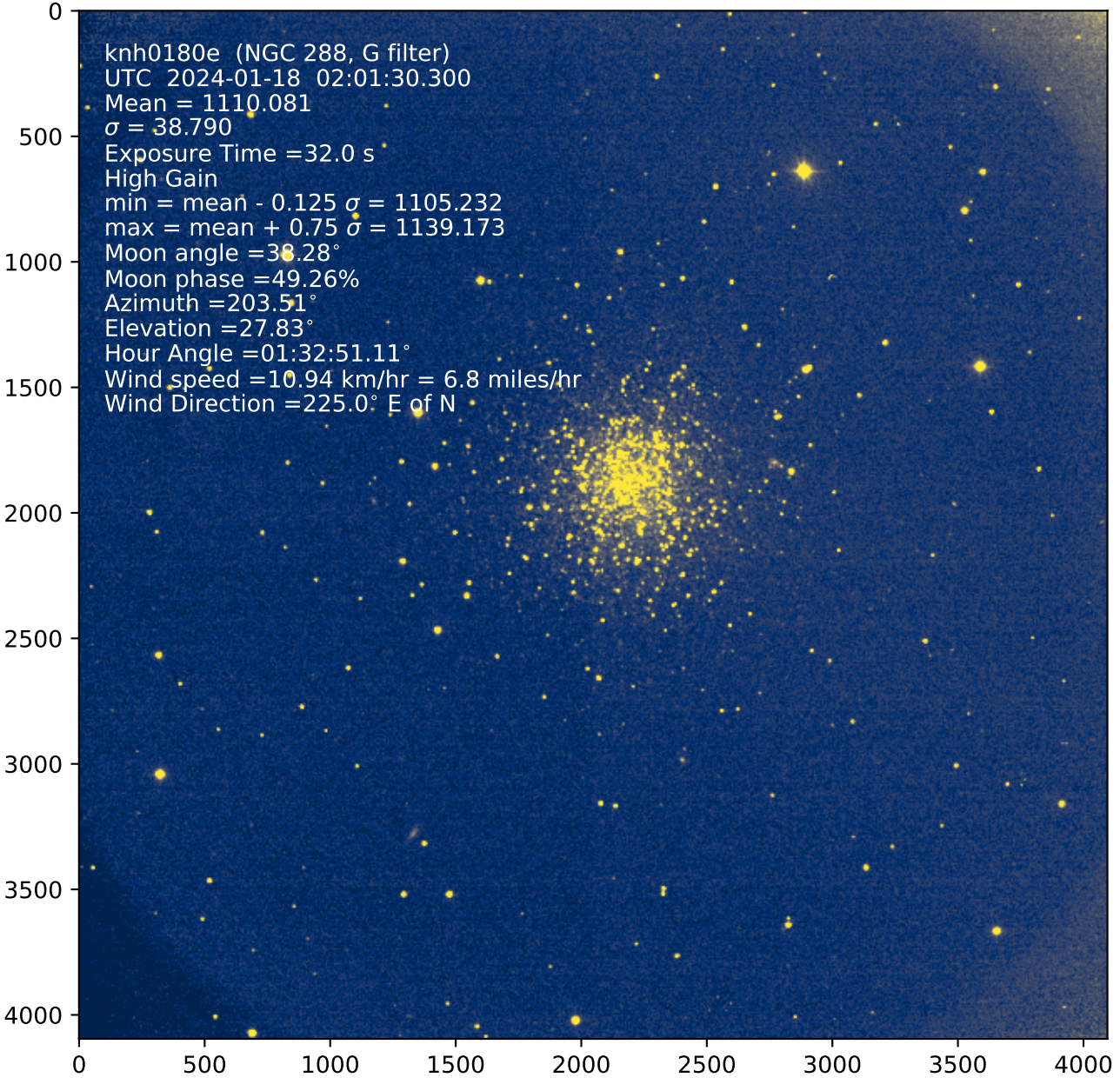
knh0180e (NGC 288, G filter)
UTC 2024-01-18 02:01:30.300
Mean = 1110.081
σ = 38.790
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1105.232
max = mean + 0.75 σ = 1139.173
Moon angle =38.28°
Moon phase =49.26%
Azimuth =203.51°
Elevation =27.83°
Hour Angle =01:32:51.11°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
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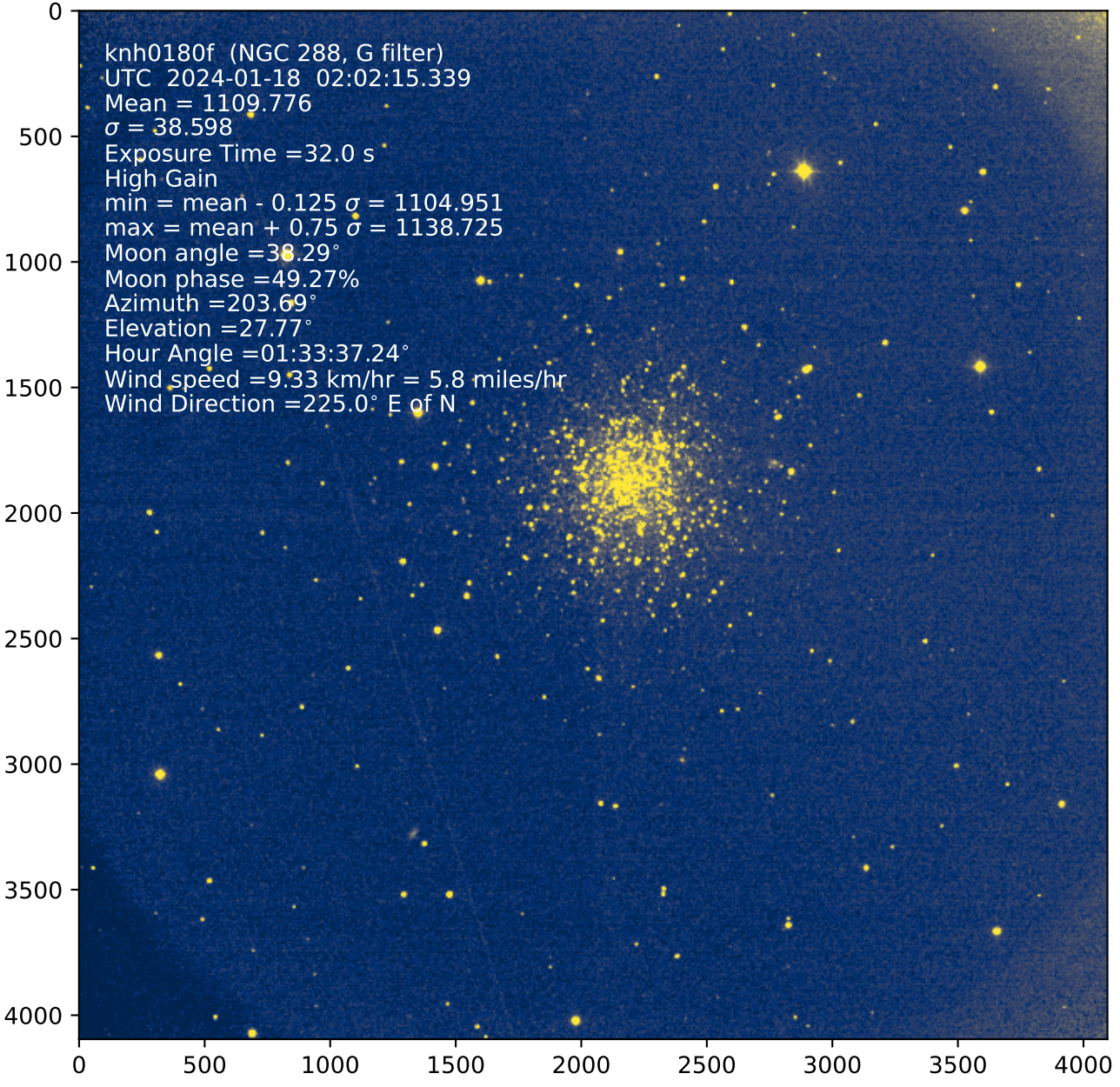
knh0180f (NGC 288, G filter)
UTC 2024-01-18 02:02:15.339
Mean = 1109.776
σ = 38.598
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1104.951
max = mean + 0.75 σ = 1138.725
Moon angle =38.29°
Moon phase =49.27%
Azimuth =203.69°
Elevation =27.77°
Hour Angle =01:33:37.24°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
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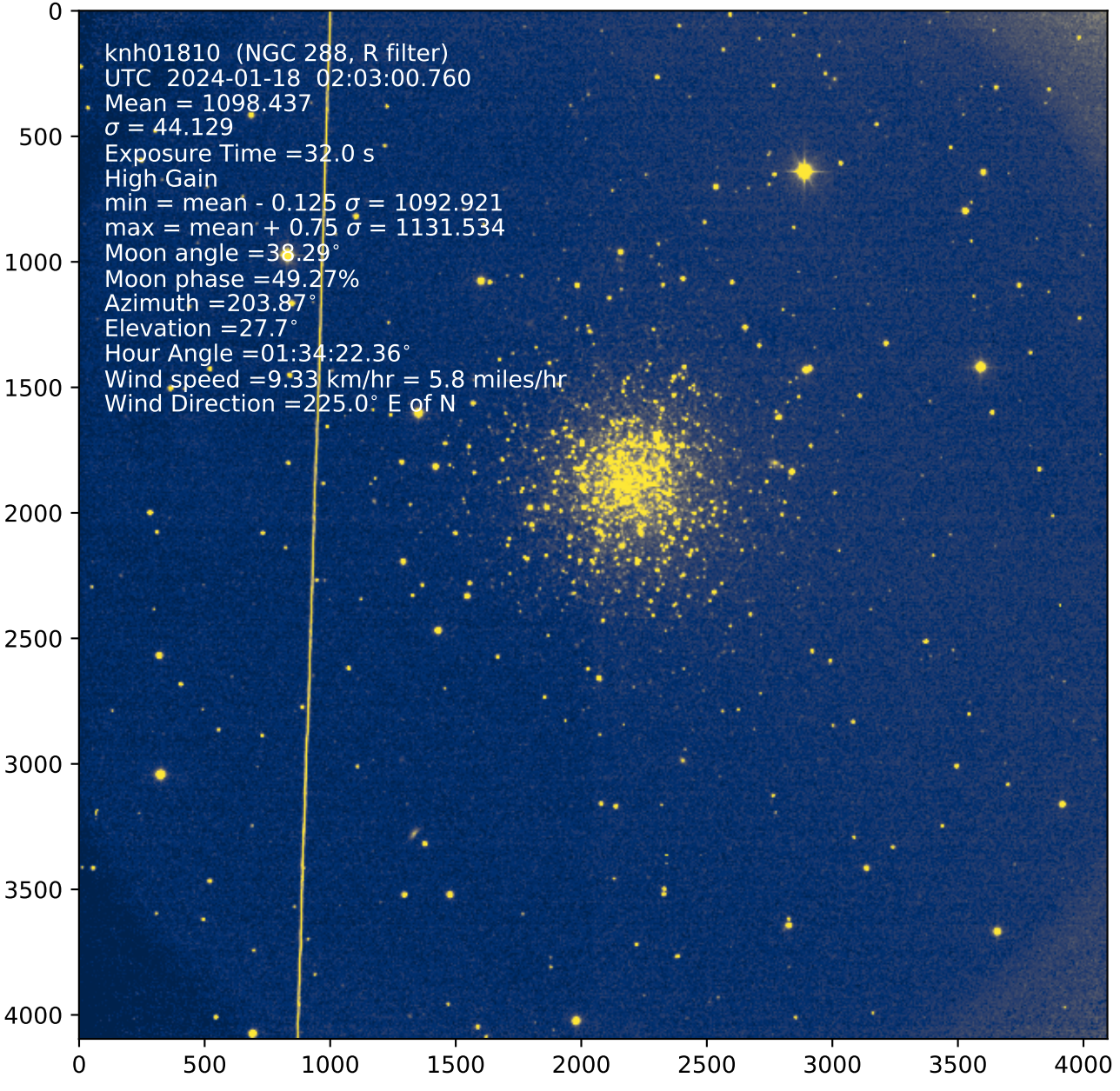
knh01810 (NGC 288, R filter)
UTC 2024-01-18 02:03:00.760
Mean = 1098.437
σ = 44.129
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.921
max = mean + 0.75 σ = 1131.534
Moon angle =38.29°
Moon phase =49.27%
Azimuth =203.87°
Elevation =27.7°
Hour Angle =01:34:22.36°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
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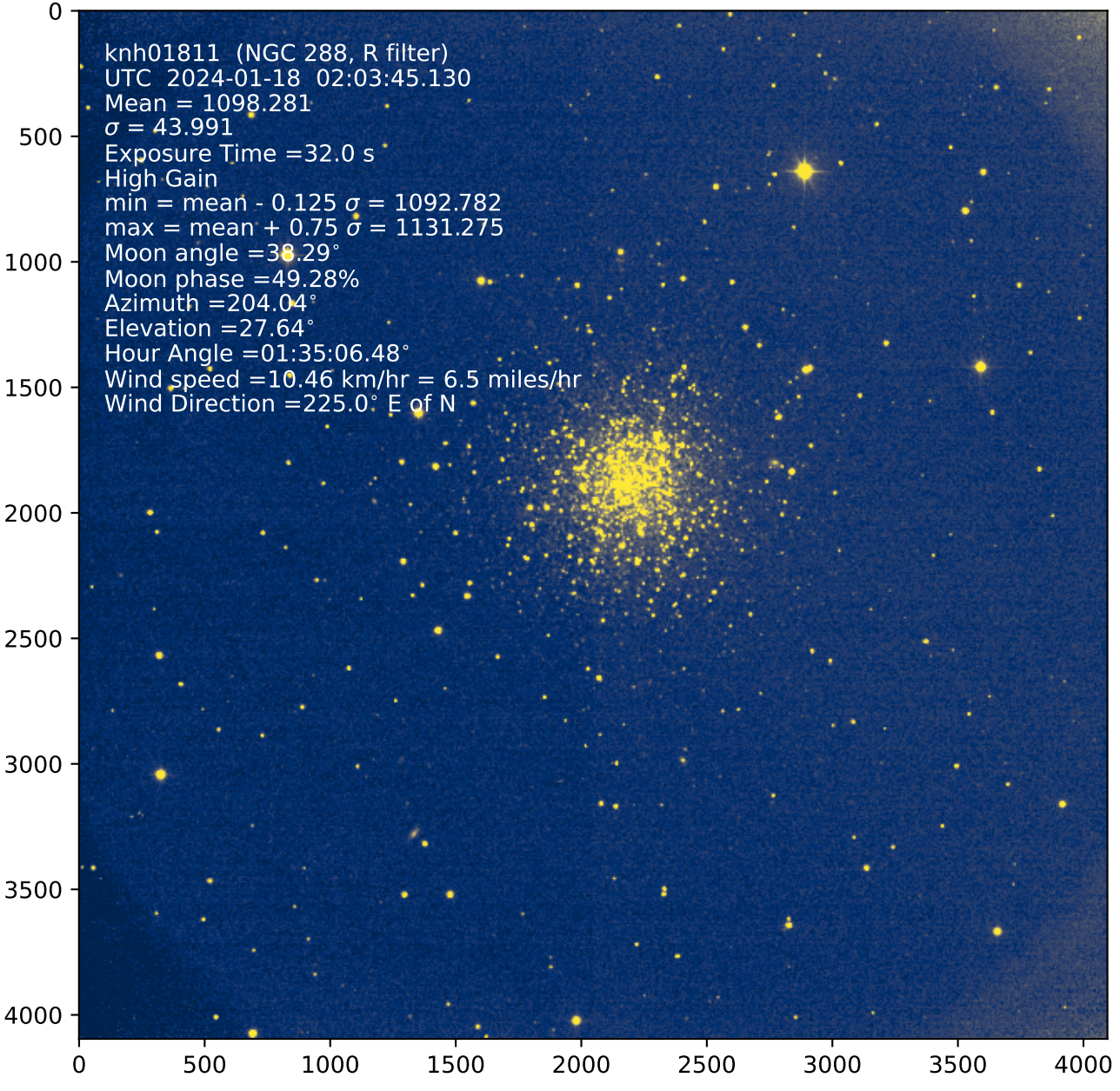
knh01811 (NGC 288, R filter)
UTC 2024-01-18 02:03:45.130
Mean = 1098.281
σ = 43.991
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.782
max = mean + 0.75 σ = 1131.275
Moon angle =38.29°
Moon phase =49.28%
Azimuth =204.04°
Elevation =27.64°
Hour Angle =01:35:06.48°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =225.0° E of N
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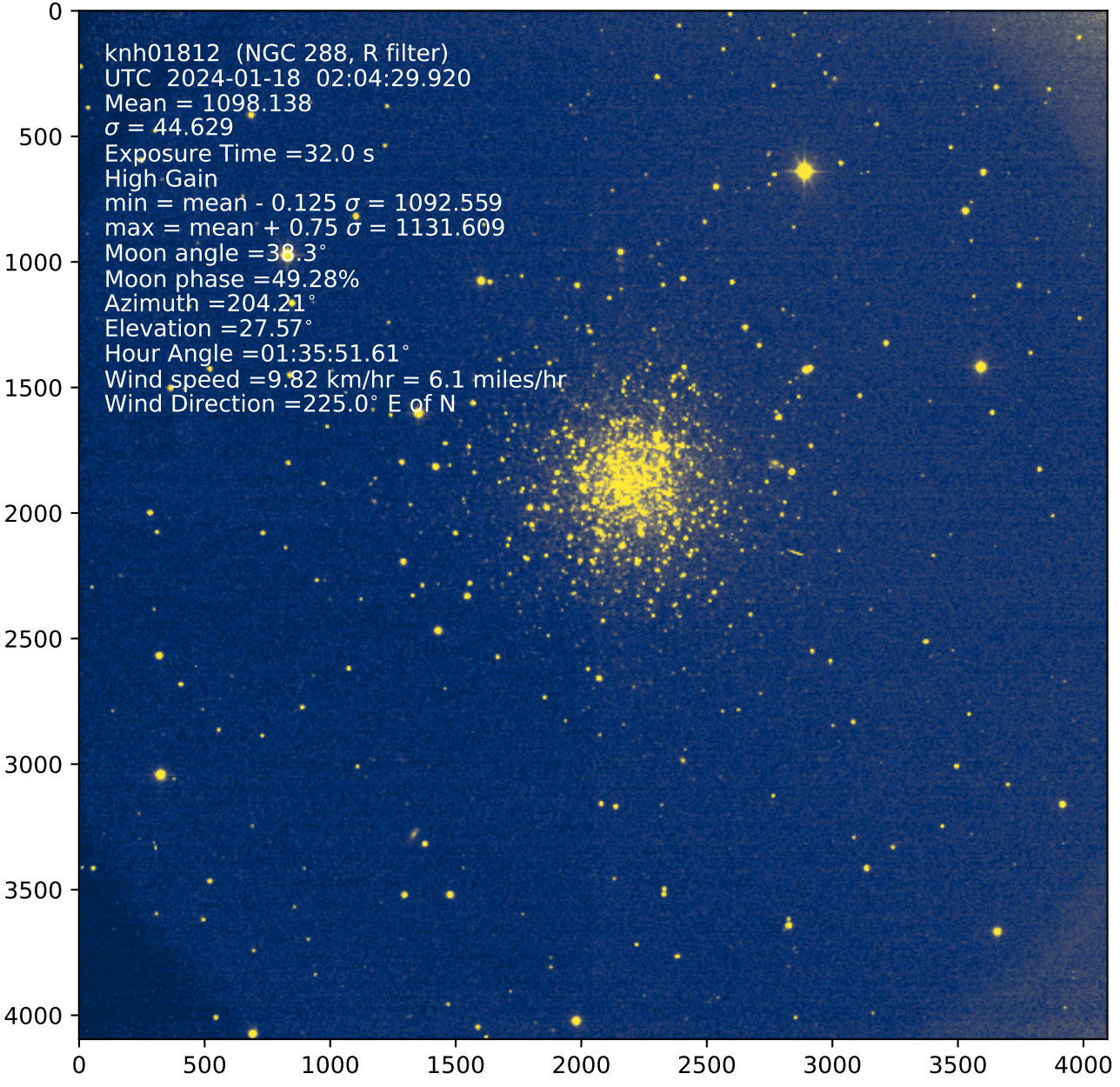
knh01812 (NGC 288, R filter)
UTC 2024-01-18 02:04:29.920
Mean = 1098.138
σ = 44.629
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.559
max = mean + 0.75 σ = 1131.609
Moon angle =38.3°
Moon phase =49.28%
Azimuth =204.21°
Elevation =27.57°
Hour Angle =01:35:51.61°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
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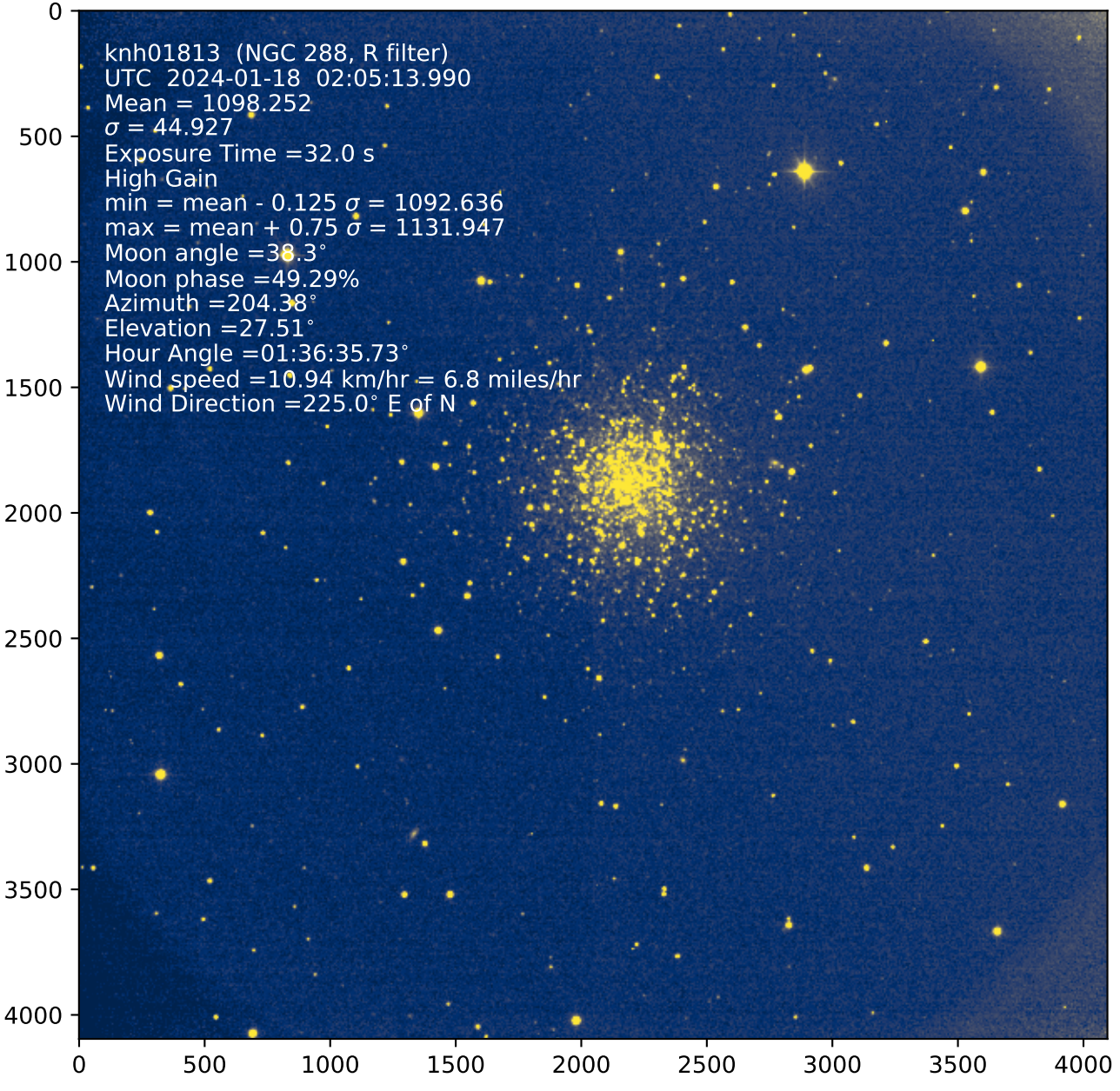
knh01813 (NGC 288, R filter)
UTC 2024-01-18 02:05:13.990
Mean = 1098.252
σ = 44.927
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.636
max = mean + 0.75 σ = 1131.947
Moon angle =38.3°
Moon phase =49.29%
Azimuth =204.38°
Elevation =27.51°
Hour Angle =01:36:35.73°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
0
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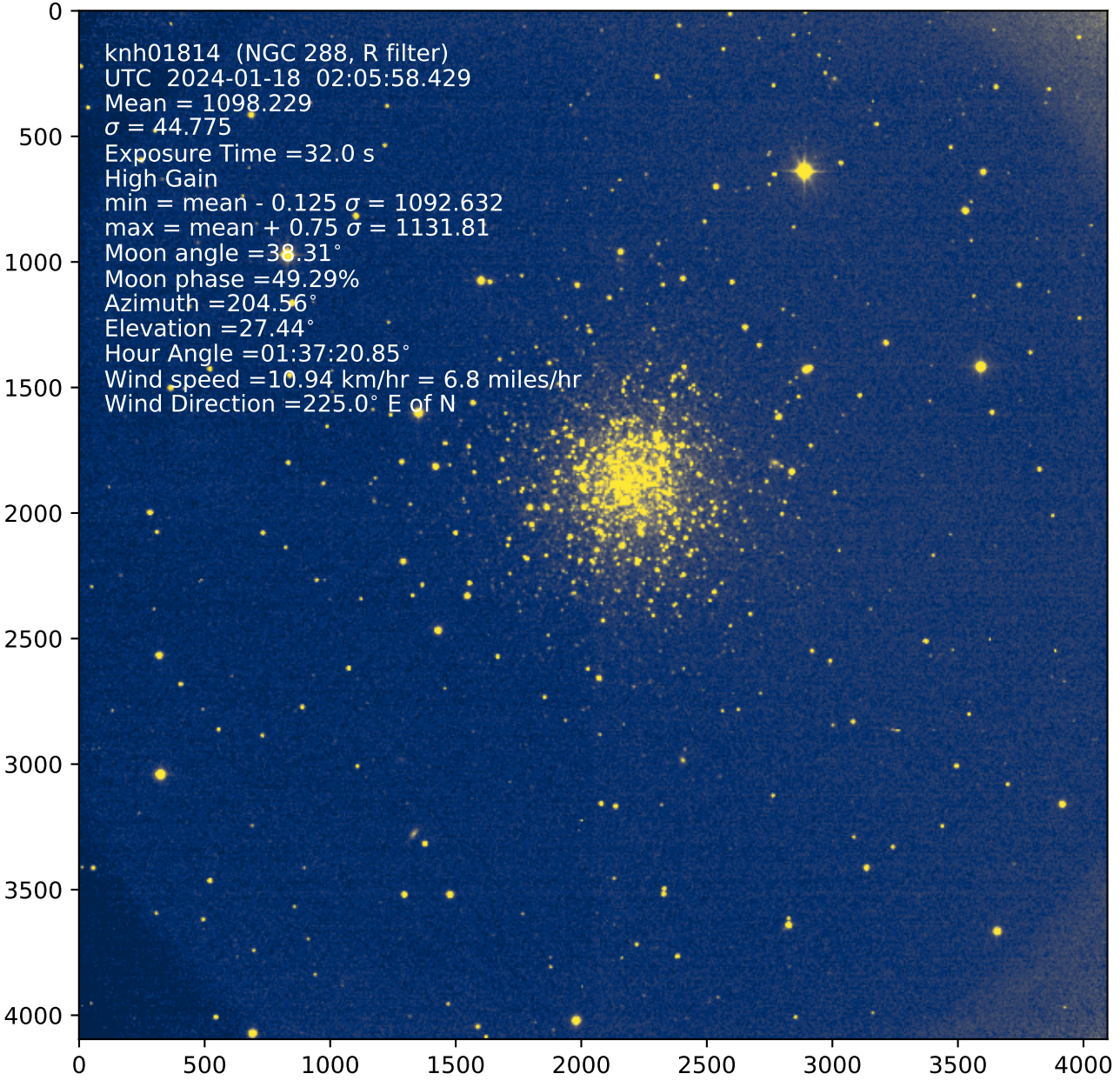
knh01814 (NGC 288, R filter)
UTC 2024-01-18 02:05:58.429
Mean = 1098.229
σ = 44.775
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.632
max = mean + 0.75 σ = 1131.81
Moon angle =38.31°
Moon phase =49.29%
Azimuth =204.56°
Elevation =27.44°
Hour Angle =01:37:20.85°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
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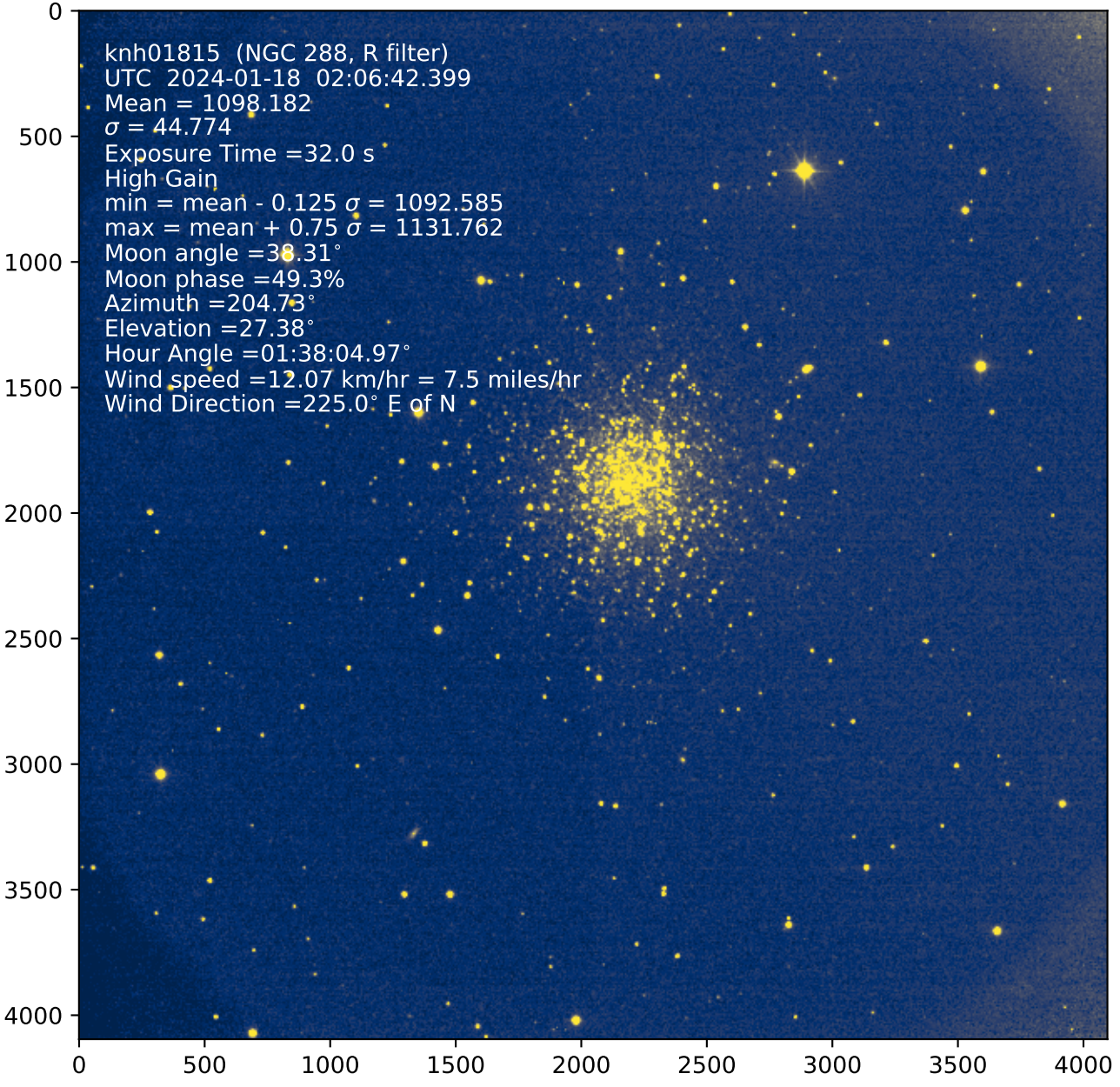
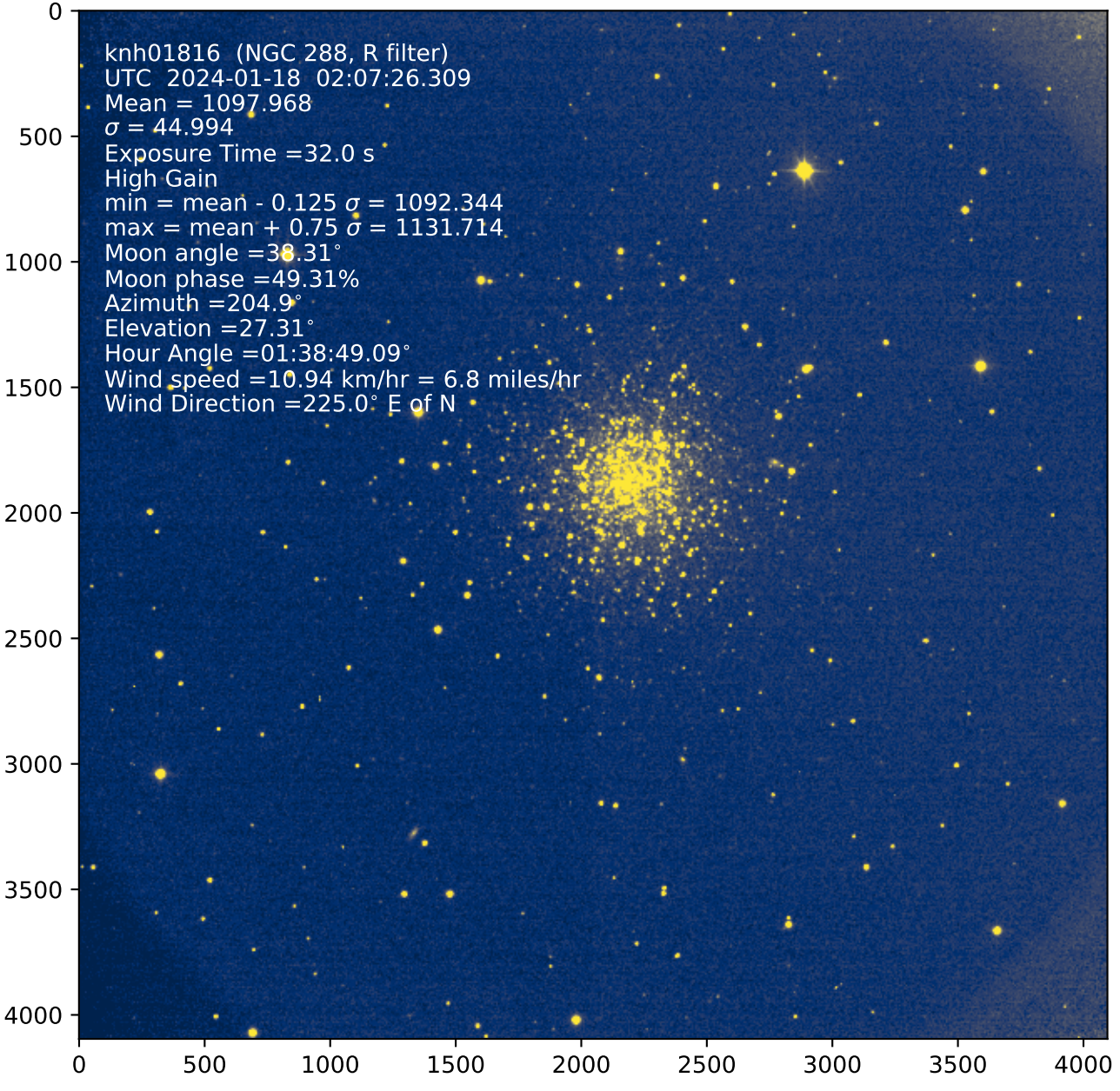
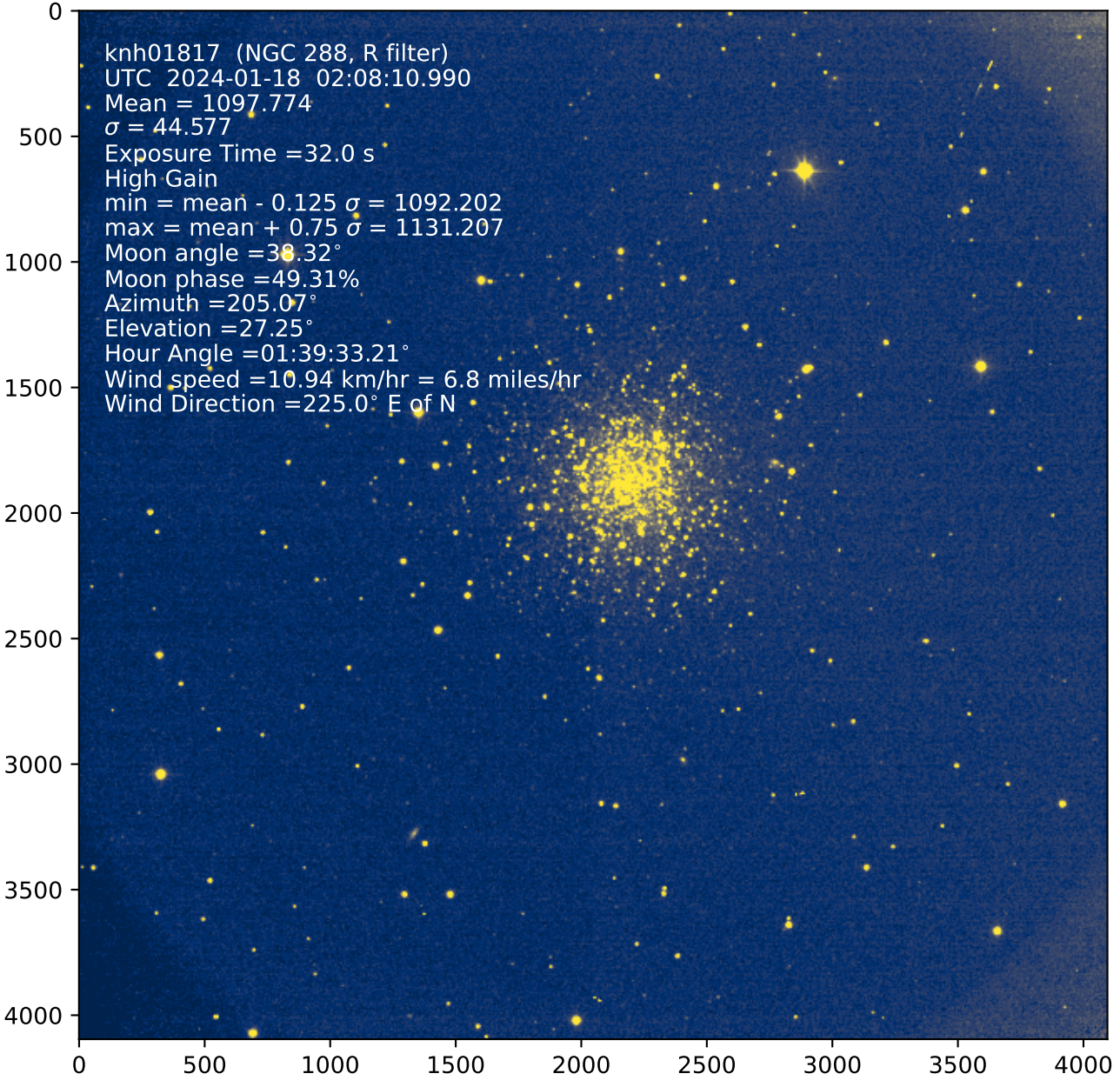
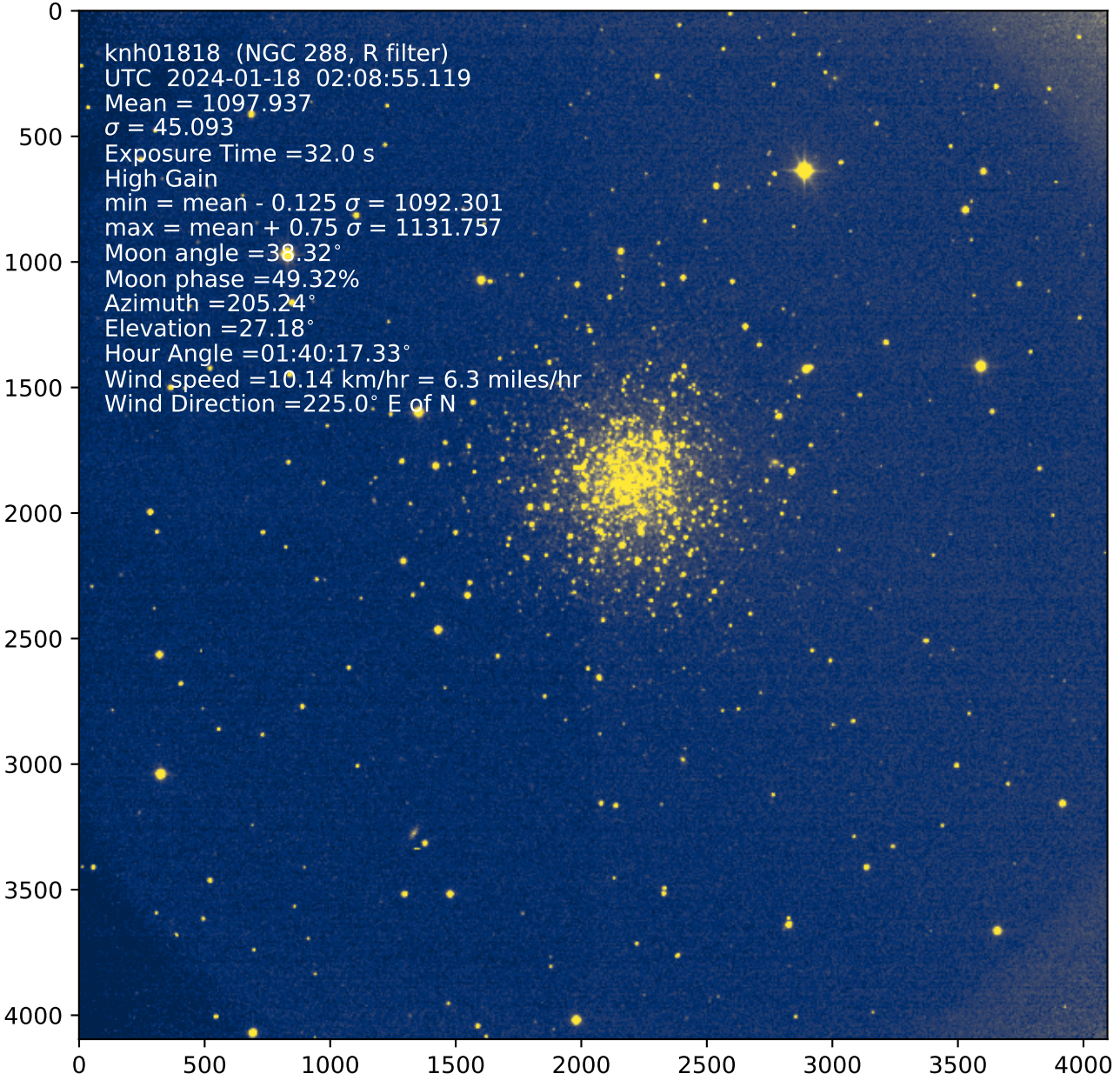
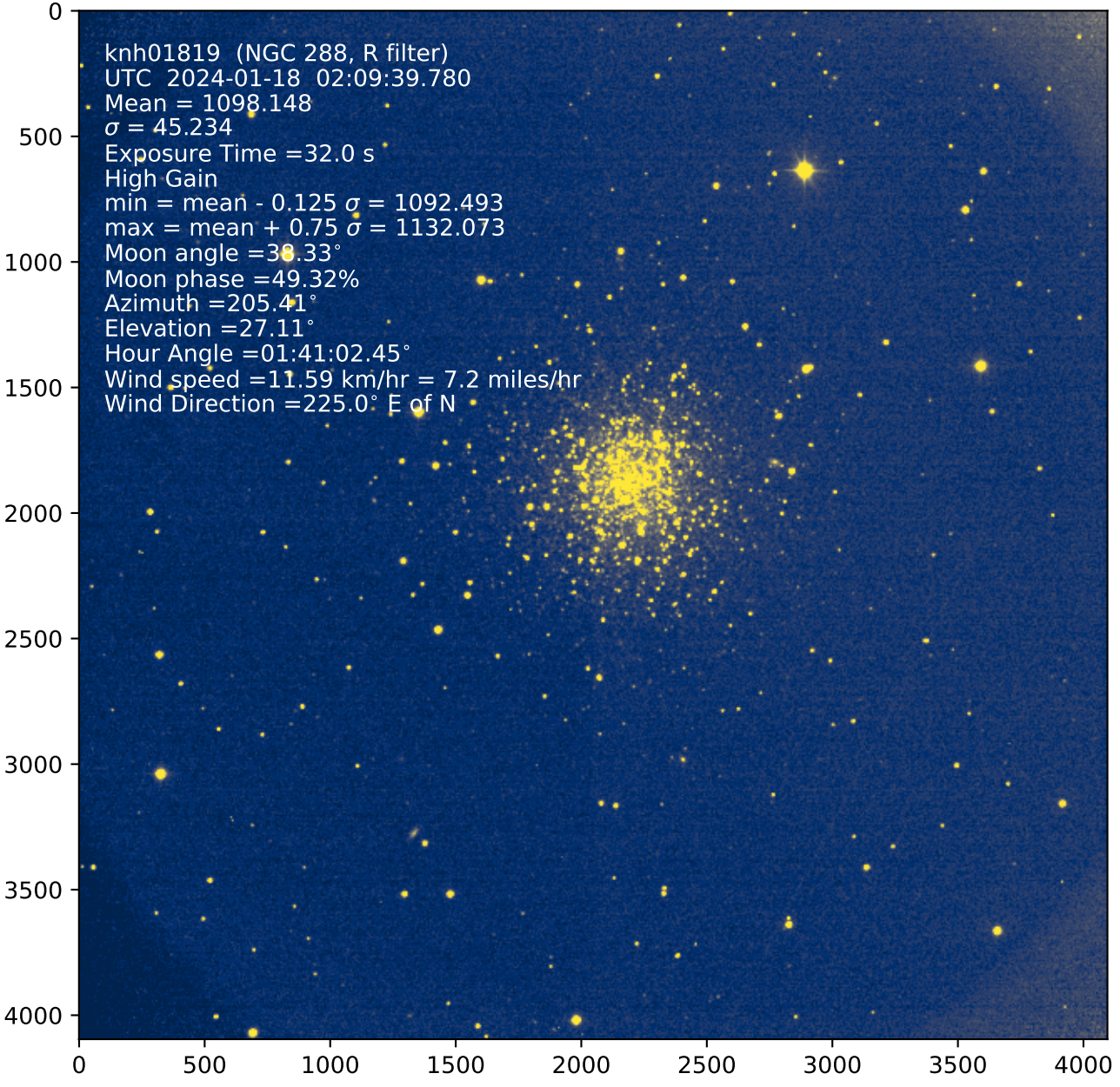
3500
4000

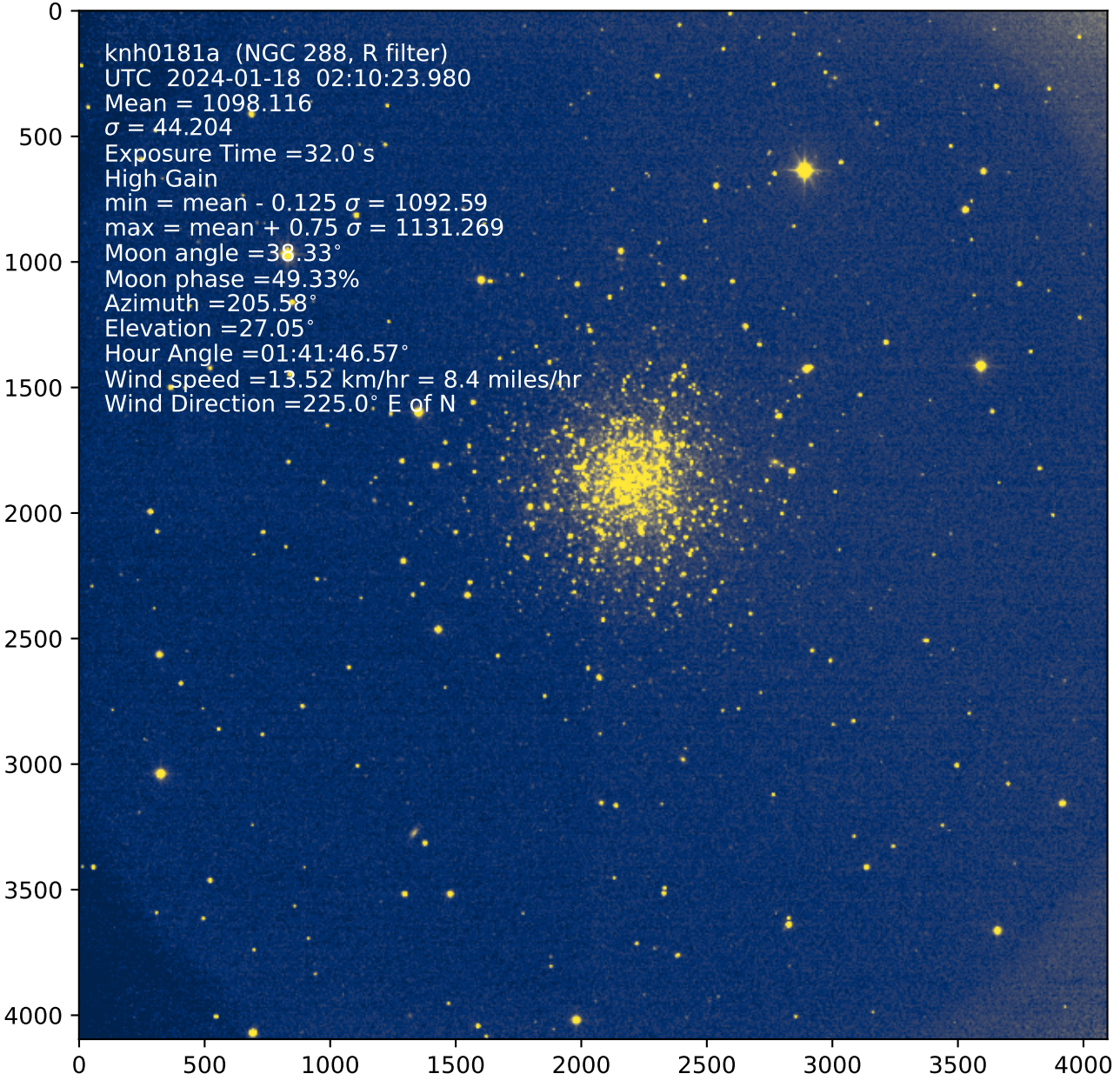

knh01815 (NGC 288, R filter)
UTC 2024-01-18 02:06:42.399
Mean = 1098.182
σ = 44.774
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.585
max = mean + 0.75 σ = 1131.762
Moon angle =38.31°
Moon phase =49.3%
Azimuth =204.73°
Elevation =27.38°
Hour Angle =01:38:04.97°
Wind speed =12.07 km/hr = 7.5 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01816 (NGC 288, R filter)
UTC 2024-01-18 02:07:26.309
Mean = 1097.968
σ = 44.994
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.344
max = mean + 0.75 σ = 1131.714
Moon angle =38.31°
Moon phase =49.31%
Azimuth =204.9°
Elevation =27.31°
Hour Angle =01:38:49.09°
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


knh01817 (NGC 288, R filter)
UTC 2024-01-18 02:08:10.990
Mean = 1097.774
σ = 44.577
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.202
max = mean + 0.75 σ = 1131.207
Moon angle =38.32°
Moon phase =49.31%
Azimuth =205.07°
Elevation =27.25°
Hour Angle =01:39:33.21°
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


knh01818 (NGC 288, R filter)
UTC 2024-01-18 02:08:55.119
Mean = 1097.937
σ = 45.093
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.301
max = mean + 0.75 σ = 1131.757
Moon angle =38.32°
Moon phase =49.32%
Azimuth =205.24°
Elevation =27.18°
Hour Angle =01:40:17.33°
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


knh01819 (NGC 288, R filter)
UTC 2024-01-18 02:09:39.780
Mean = 1098.148
σ = 45.234
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.493
max = mean + 0.75 σ = 1132.073
Moon angle =38.33°
Moon phase =49.32%
Azimuth =205.41°
Elevation =27.11°
Hour Angle =01:41:02.45°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh0181a (NGC 288, R filter)
UTC 2024-01-18 02:10:23.980
Mean = 1098.116
σ = 44.204
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.59
max = mean + 0.75 σ = 1131.269
Moon angle =38.33°
Moon phase =49.33%
Azimuth =205.58°
Elevation =27.05°
Hour Angle =01:41:46.57°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =225.0° E of N
0
500
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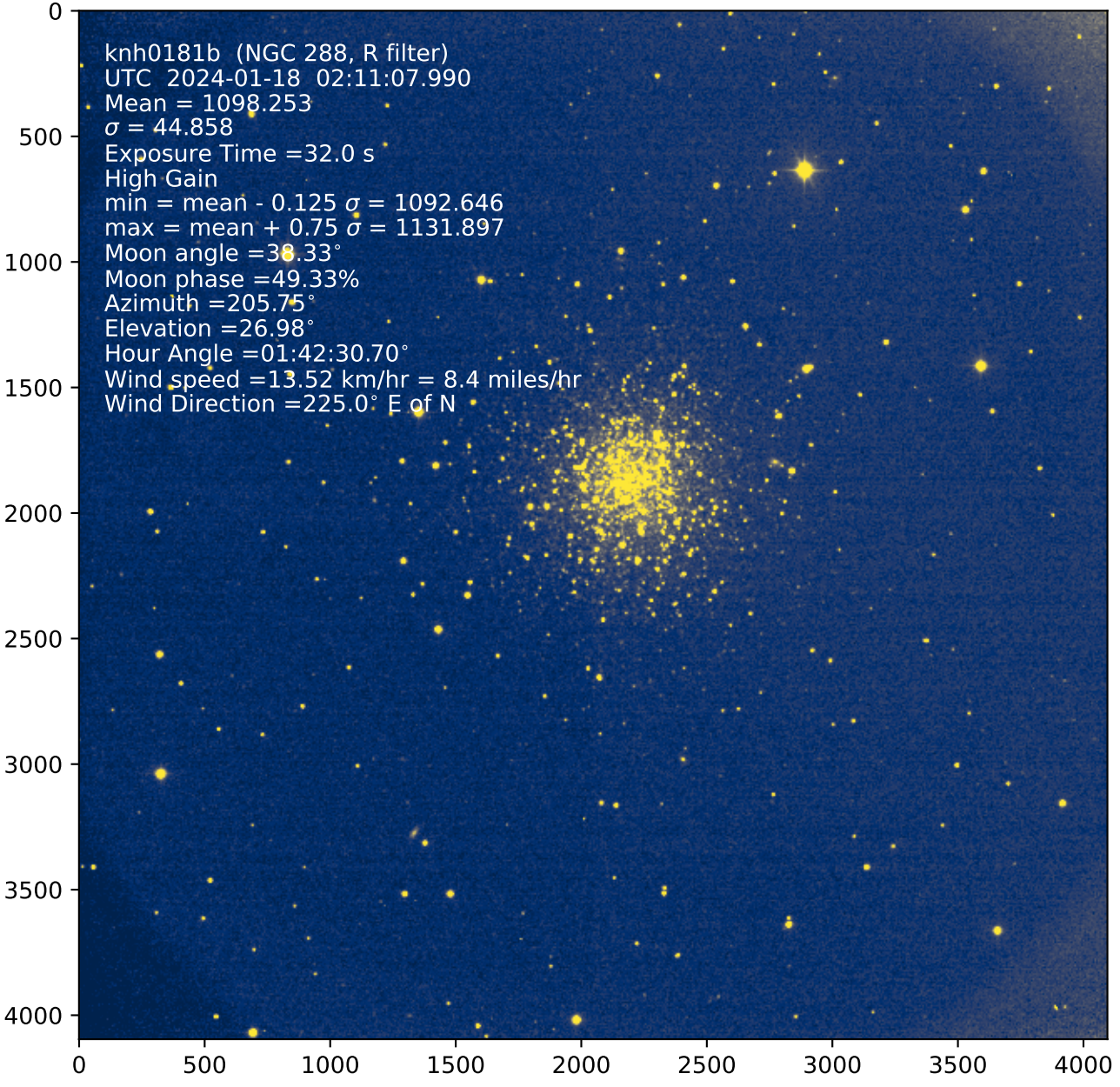
2500
3000
3500
4000


knh0181b (NGC 288, R filter)
UTC 2024-01-18 02:11:07.990
Mean = 1098.253
σ = 44.858
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.646
max = mean + 0.75 σ = 1131.897
Moon angle =38.33°
Moon phase =49.33%
Azimuth =205.75°
Elevation =26.98°
Hour Angle =01:42:30.70°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =225.0° E of N
0
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2500
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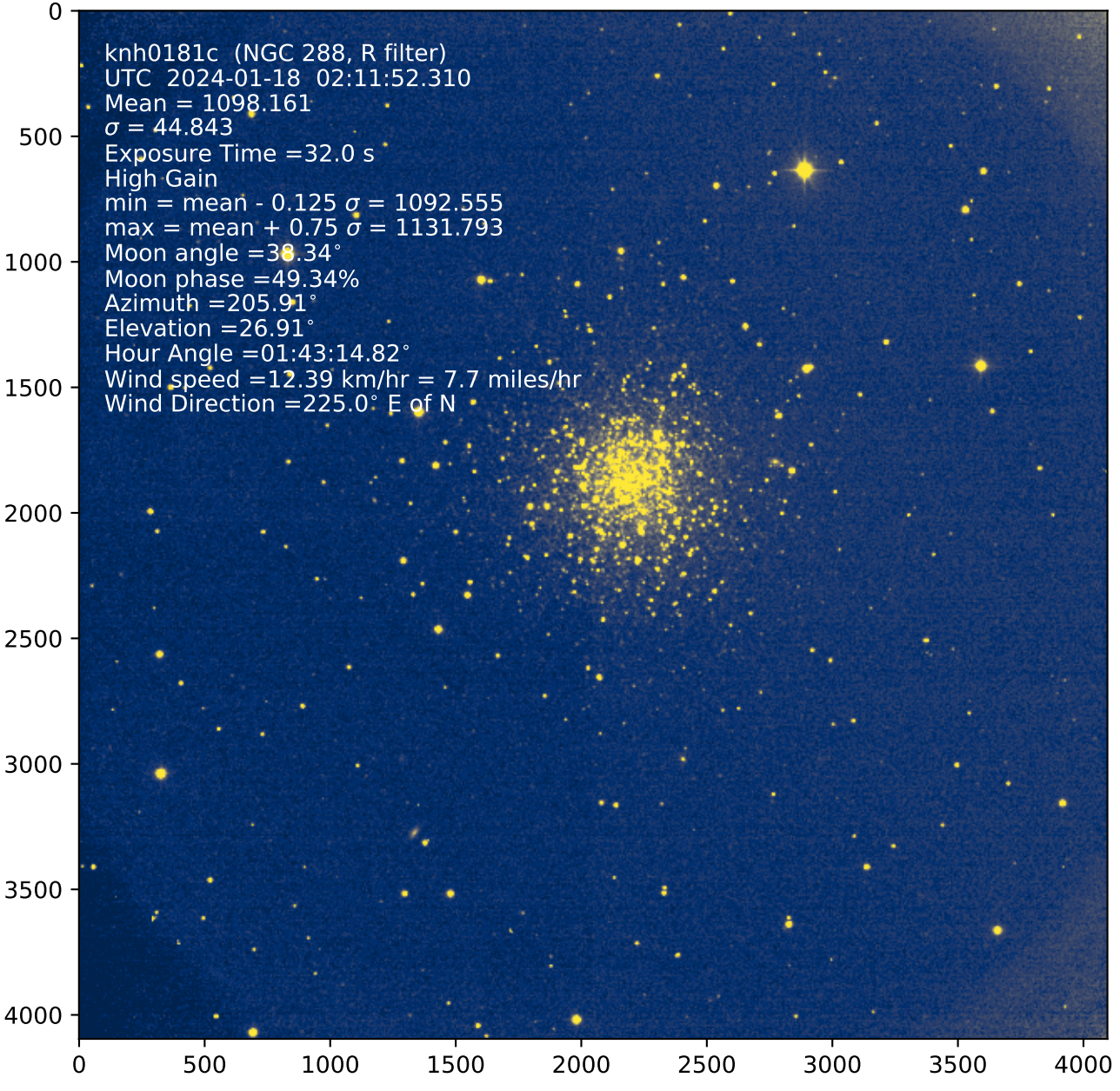
3500
4000


knh0181c (NGC 288, R filter)
UTC 2024-01-18 02:11:52.310
Mean = 1098.161
σ = 44.843
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.555
max = mean + 0.75 σ = 1131.793
Moon angle =38.34°
Moon phase =49.34%
Azimuth =205.91°
Elevation =26.91°
Hour Angle =01:43:14.82°
Wind speed =12.39 km/hr = 7.7 miles/hr
Wind Direction =225.0° E of N
0
500
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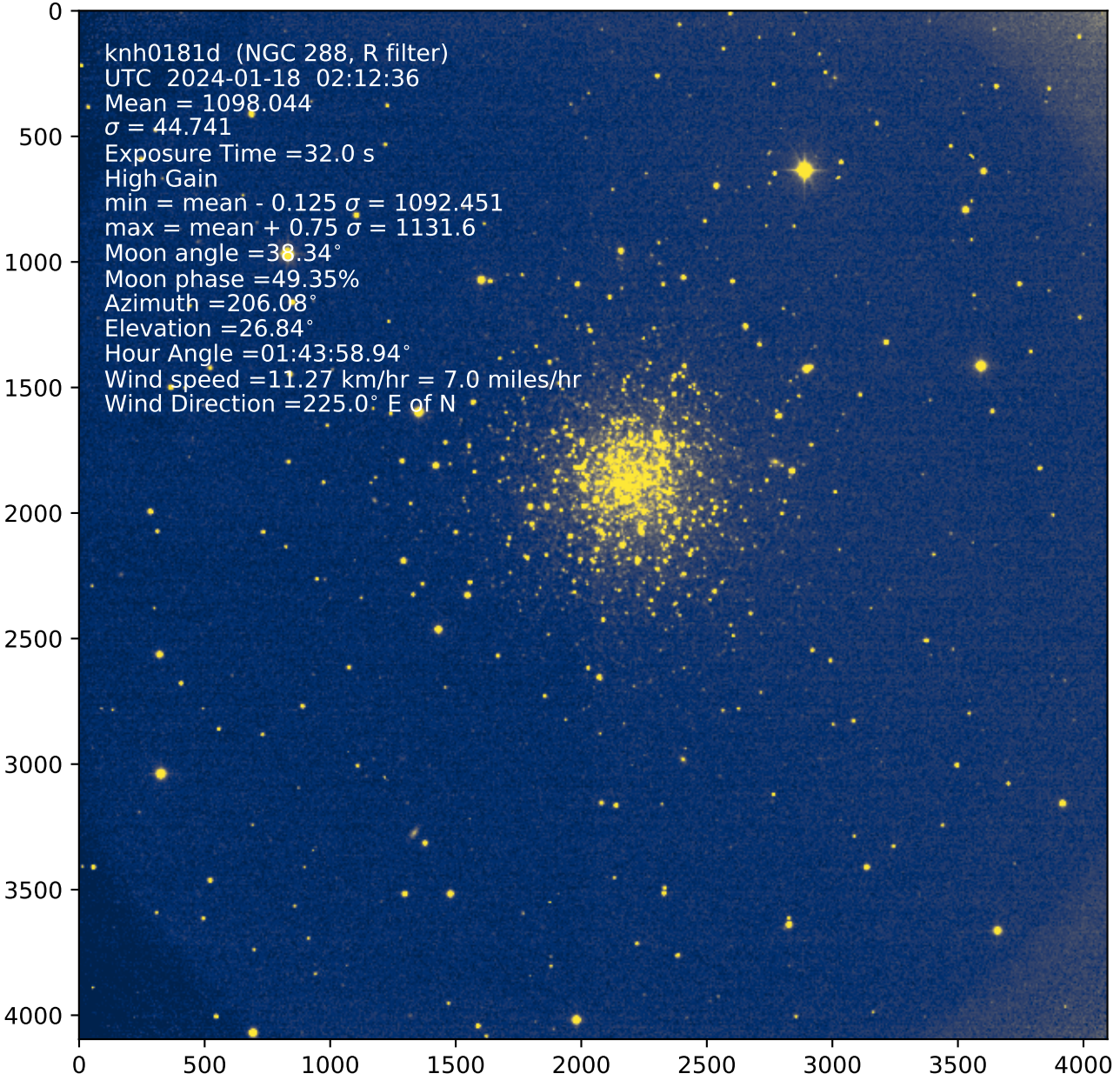
2500
3000
3500
4000


knh0181d (NGC 288, R filter)
UTC 2024-01-18 02:12:36
Mean = 1098.044
σ = 44.741
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.451
max = mean + 0.75 σ = 1131.6
Moon angle =38.34°
Moon phase =49.35%
Azimuth =206.08°
Elevation =26.84°
Hour Angle =01:43:58.94°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =225.0° E of N
0
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2500
3000
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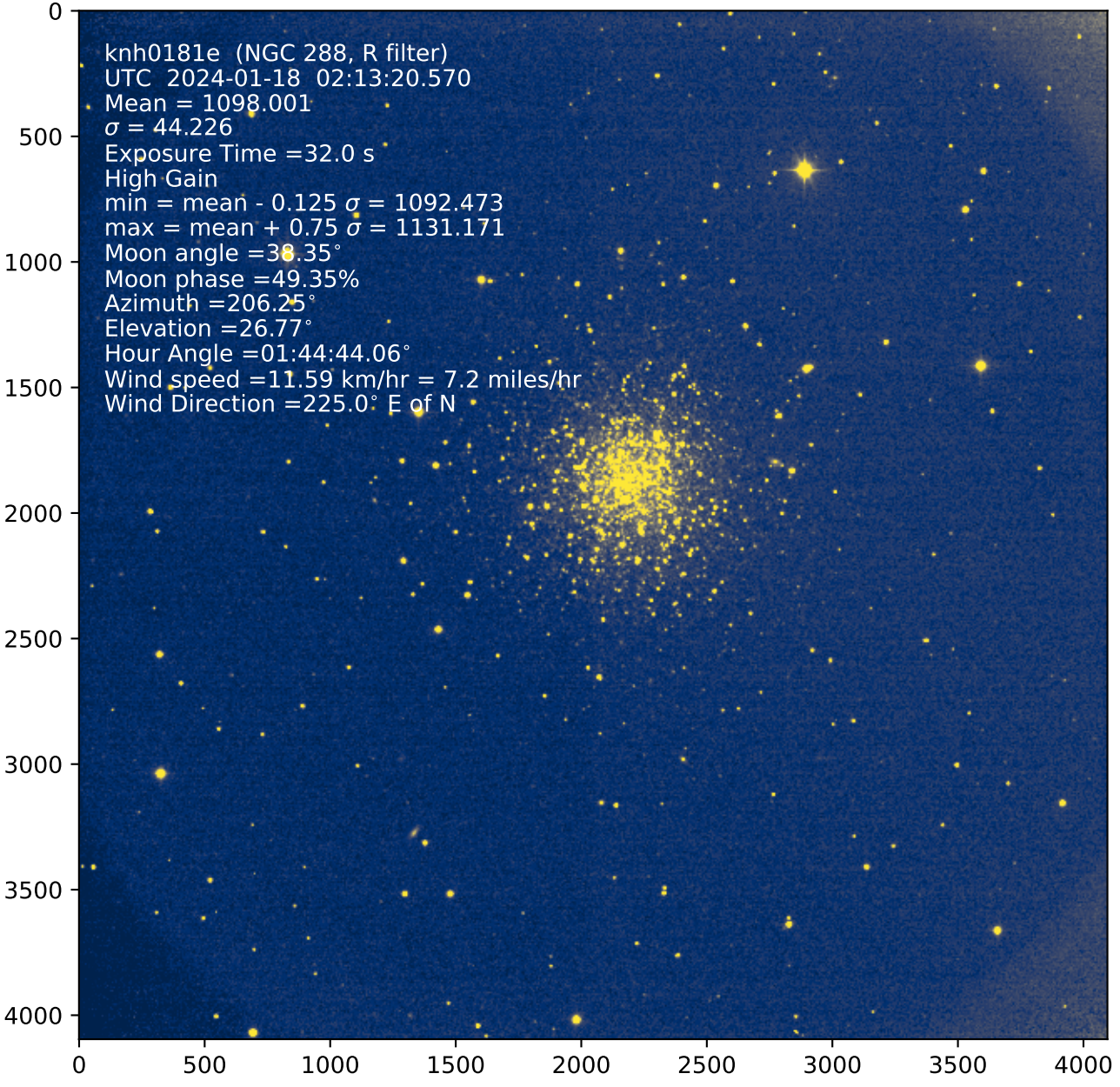
4000


knh0181e (NGC 288, R filter)
UTC 2024-01-18 02:13:20.570
Mean = 1098.001
σ = 44.226
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.473
max = mean + 0.75 σ = 1131.171
Moon angle =38.35°
Moon phase =49.35%
Azimuth =206.25°
Elevation =26.77°
Hour Angle =01:44:44.06°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =225.0° E of N
0
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2500
3000
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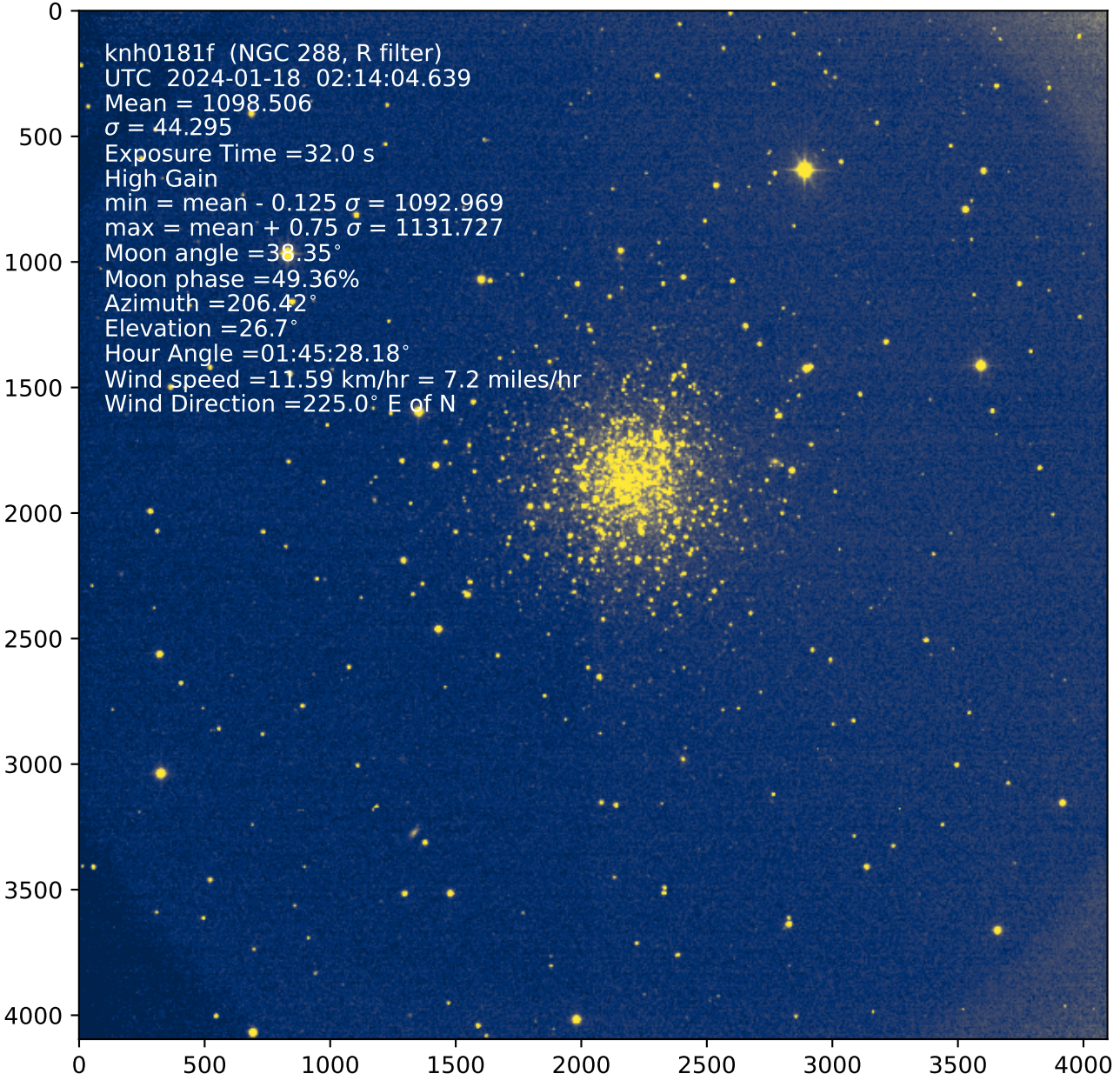
4000


knh0181f (NGC 288, R filter)
UTC 2024-01-18 02:14:04.639
Mean = 1098.506
σ = 44.295
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1092.969
max = mean + 0.75 σ = 1131.727
Moon angle =38.35°
Moon phase =49.36%
Azimuth =206.42°
Elevation =26.7°
Hour Angle =01:45:28.18°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =225.0° E of N
0
500
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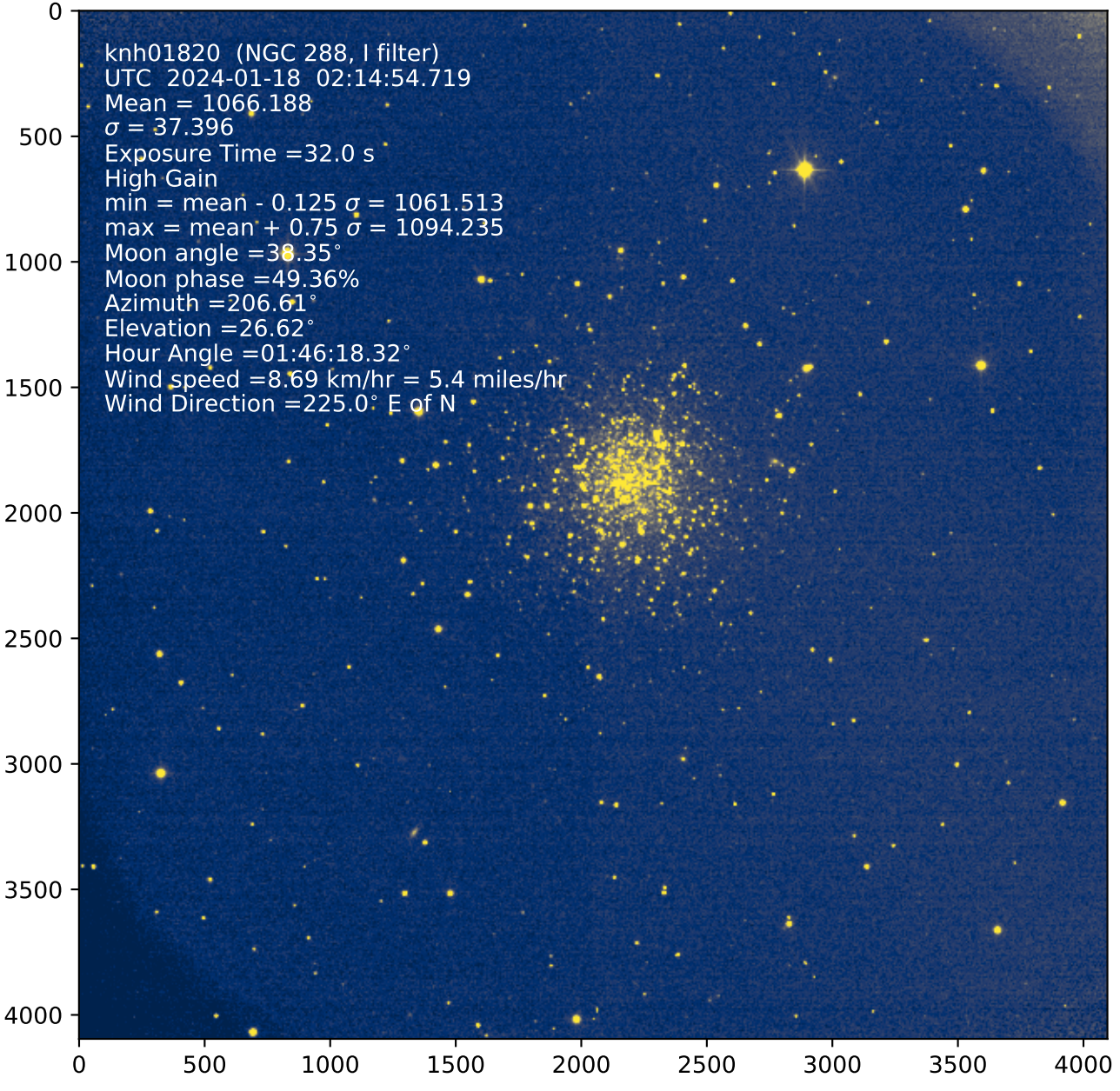
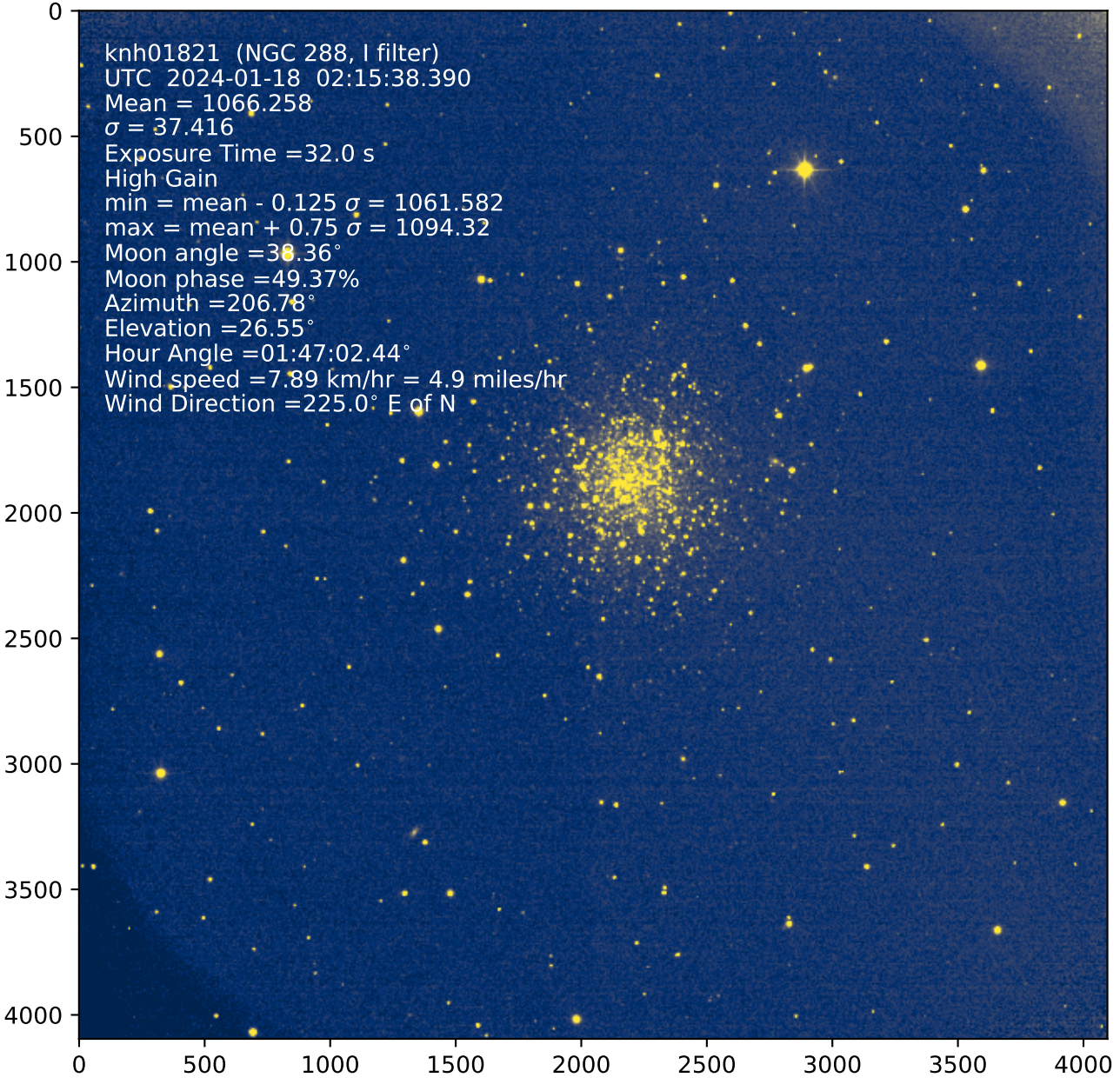
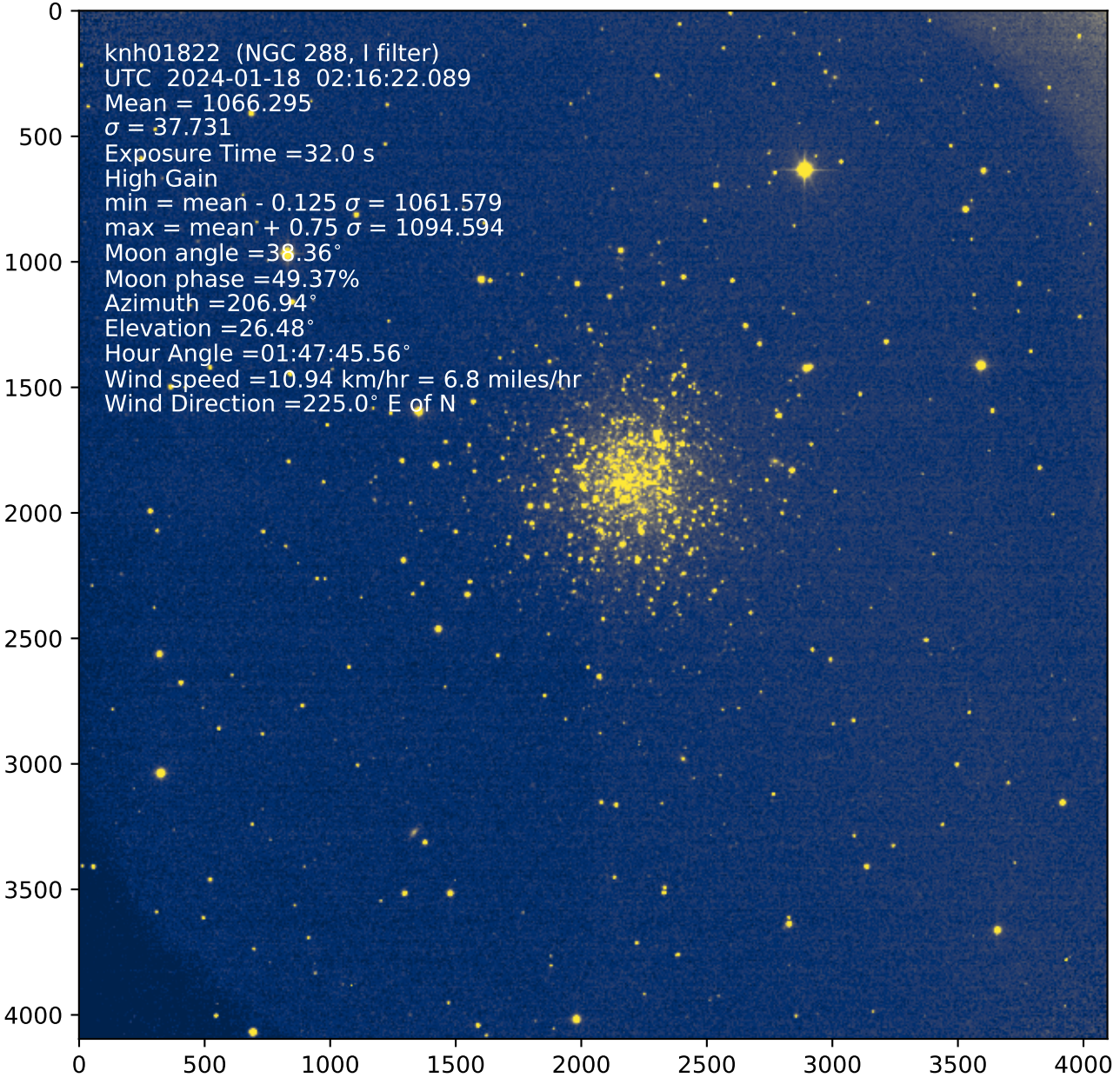
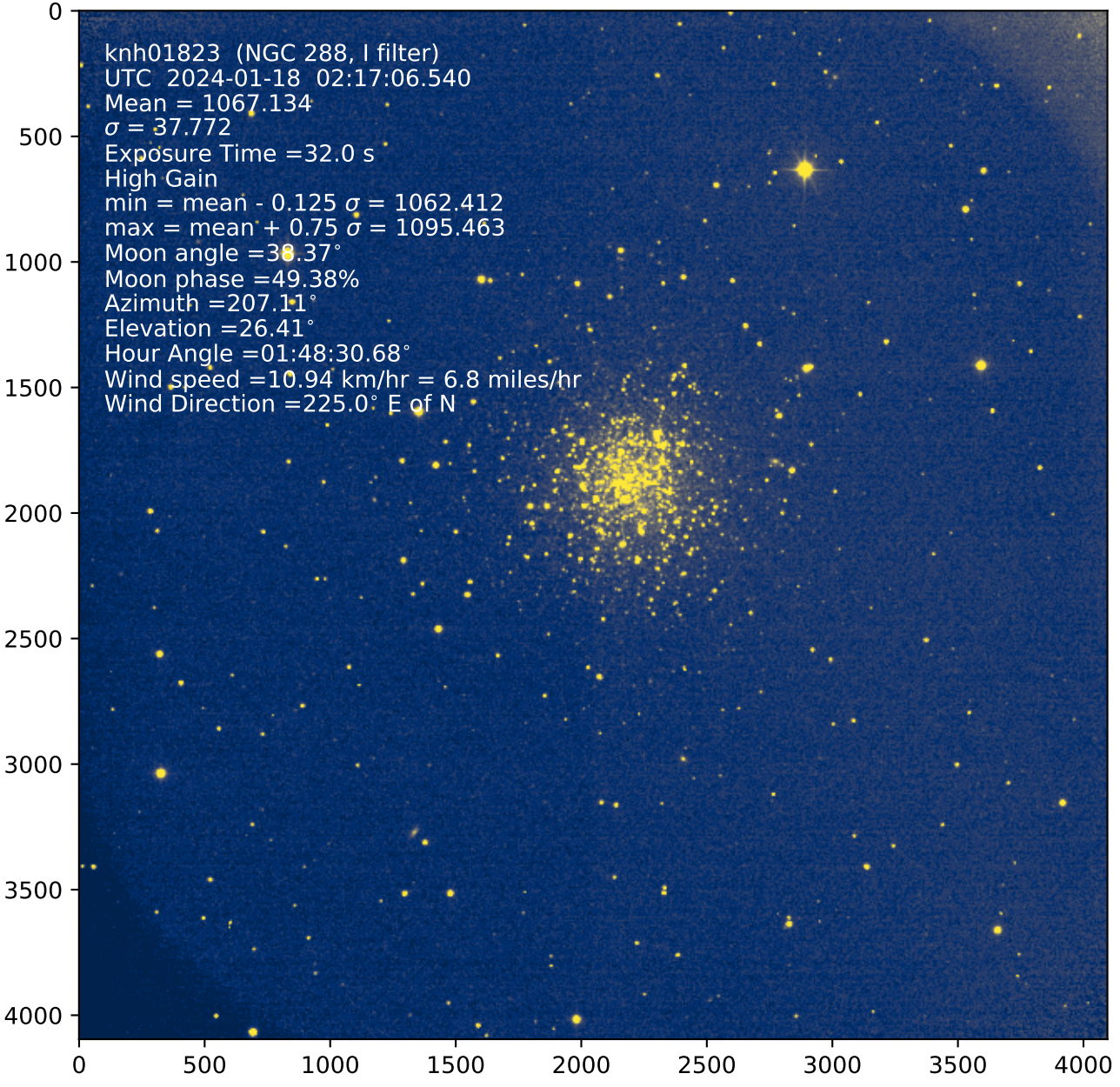
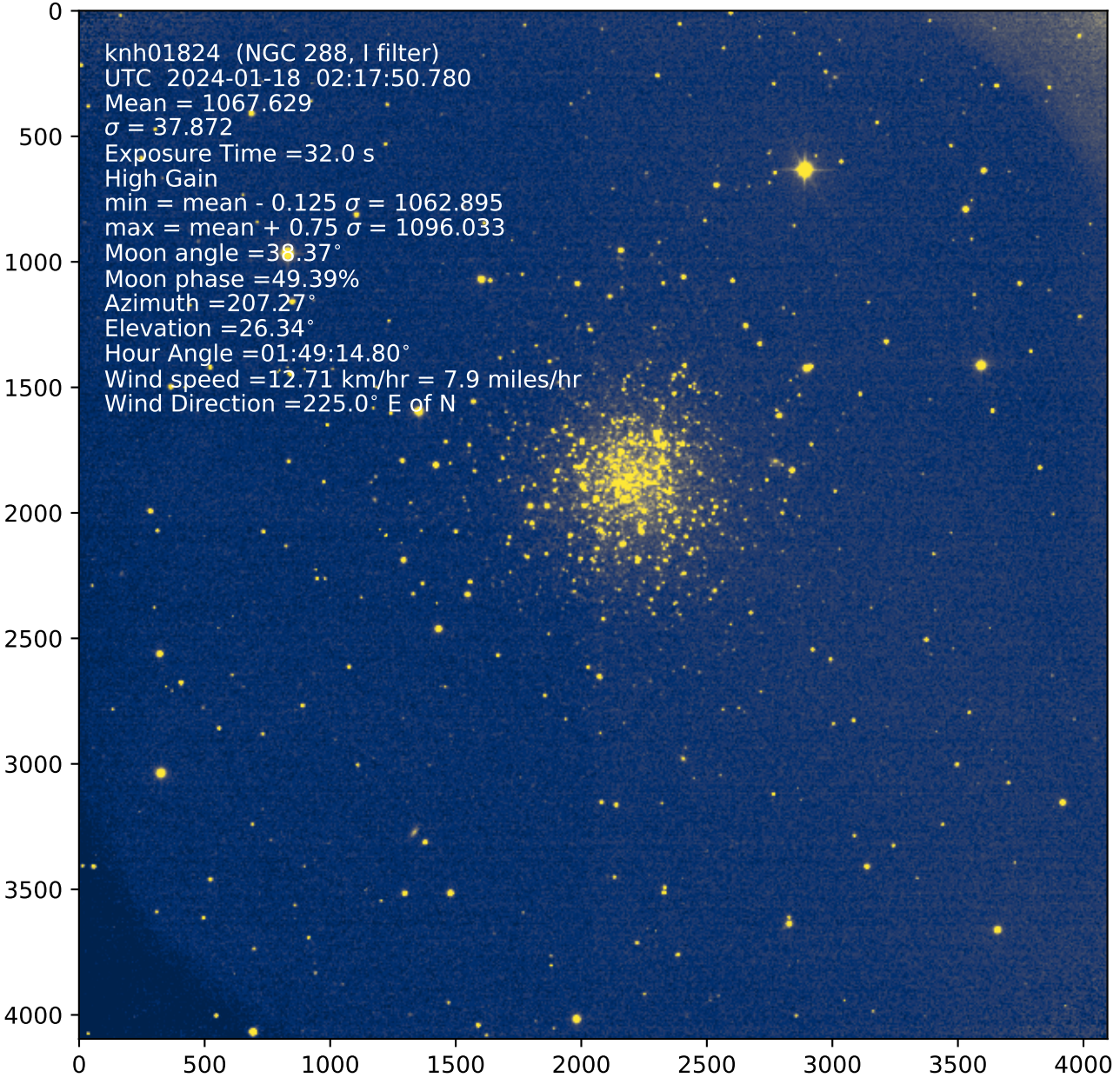
2000
2500
3000
3500
4000

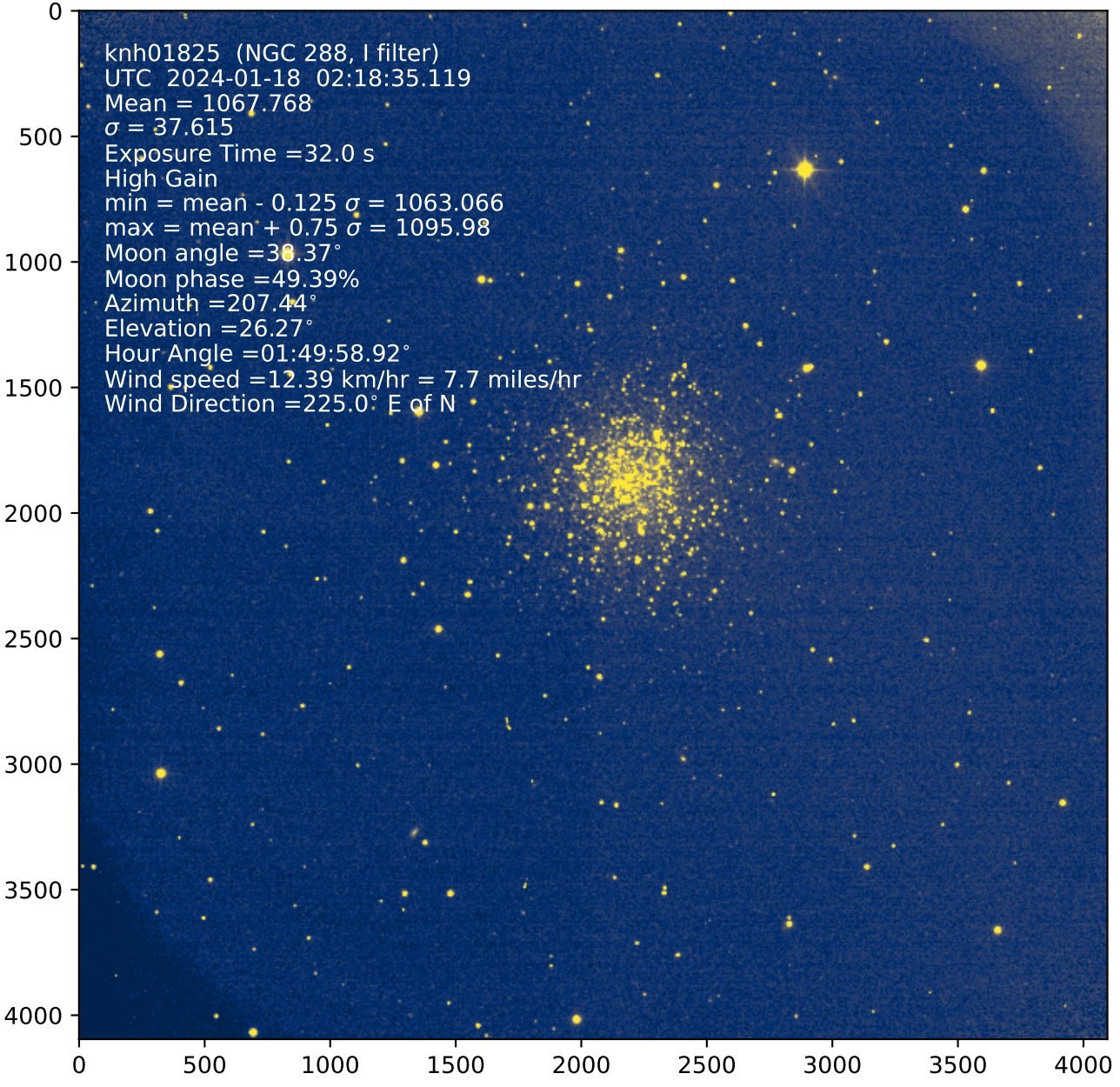

knh01820 (NGC 288, I filter)
UTC 2024-01-18 02:14:54.719
Mean = 1066.188
σ = 37.396
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1061.513
max = mean + 0.75 σ = 1094.235
Moon angle =38.35°
Moon phase =49.36%
Azimuth =206.61°
Elevation =26.62°
Hour Angle =01:46:18.32°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

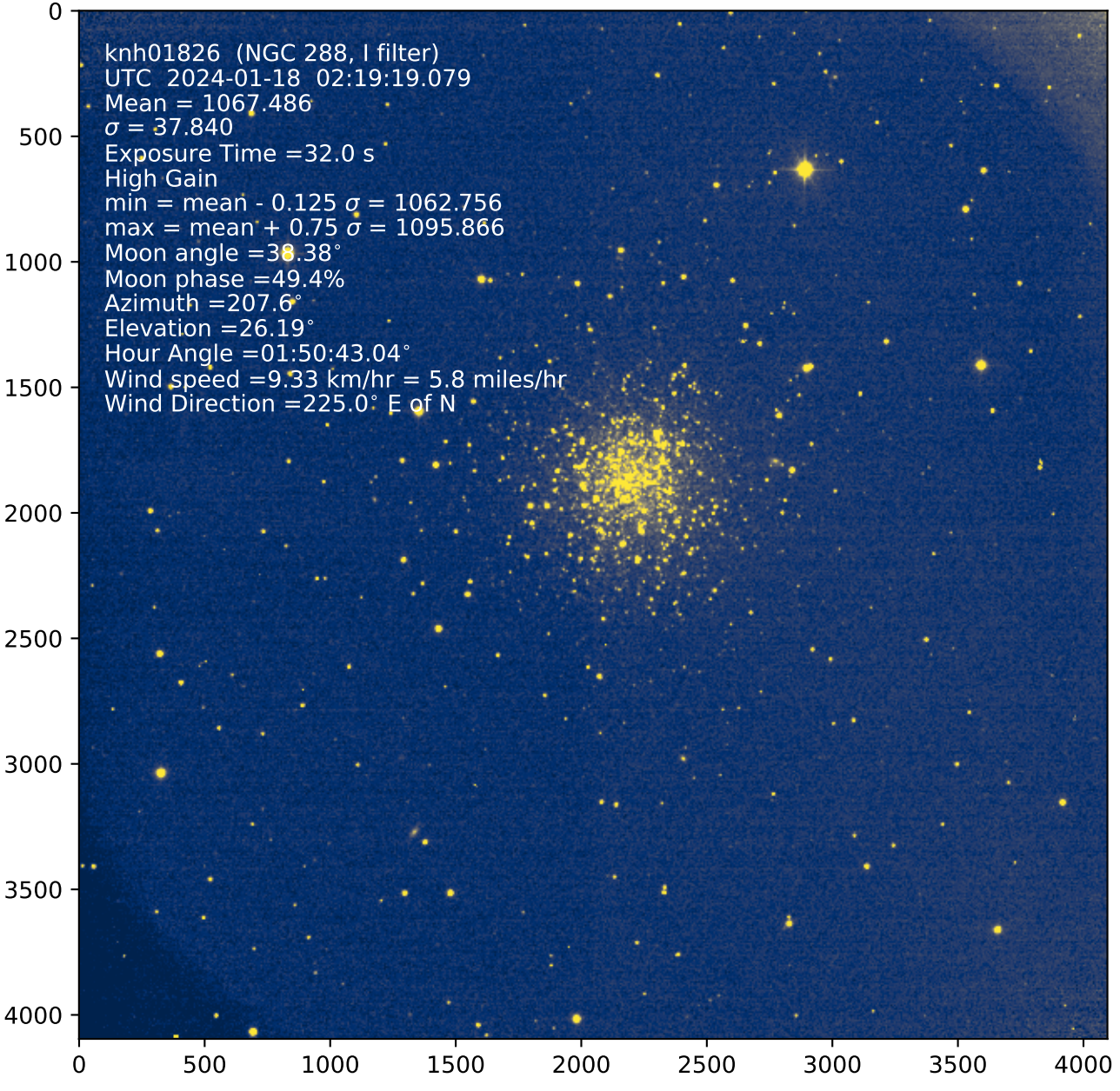

knh01821 (NGC 288, I filter)
UTC 2024-01-18 02:15:38.390
Mean = 1066.258
σ = 37.416
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1061.582
max = mean + 0.75 σ = 1094.32
Moon angle =38.36°
Moon phase =49.37%
Azimuth =206.78°
Elevation =26.55°
Hour Angle =01:47:02.44°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01822 (NGC 288, I filter)
UTC 2024-01-18 02:16:22.089
Mean = 1066.295
σ = 37.731
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1061.579
max = mean + 0.75 σ = 1094.594
Moon angle =38.36°
Moon phase =49.37%
Azimuth =206.94°
Elevation =26.48°
Hour Angle =01:47:45.56°
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


knh01823 (NGC 288, I filter)
UTC 2024-01-18 02:17:06.540
Mean = 1067.134
σ = 37.772
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.412
max = mean + 0.75 σ = 1095.463
Moon angle =38.37°
Moon phase =49.38%
Azimuth =207.11°
Elevation =26.41°
Hour Angle =01:48:30.68°
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


knh01824 (NGC 288, I filter)
UTC 2024-01-18 02:17:50.780
Mean = 1067.629
σ = 37.872
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.895
max = mean + 0.75 σ = 1096.033
Moon angle =38.37°
Moon phase =49.39%
Azimuth =207.27°
Elevation =26.34°
Hour Angle =01:49:14.80°
Wind speed =12.71 km/hr = 7.9 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01825 (NGC 288, I filter)
UTC 2024-01-18 02:18:35.119
Mean = 1067.768
σ = 37.615
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1063.066
max = mean + 0.75 σ = 1095.98
Moon angle =38.37°
Moon phase =49.39%
Azimuth =207.44°
Elevation =26.27°
Hour Angle =01:49:58.92°
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


knh01826 (NGC 288, I filter)
UTC 2024-01-18 02:19:19.079
Mean = 1067.486
σ = 37.840
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.756
max = mean + 0.75 σ = 1095.866
Moon angle =38.38°
Moon phase =49.4%
Azimuth =207.6°
Elevation =26.19°
Hour Angle =01:50:43.04°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
500
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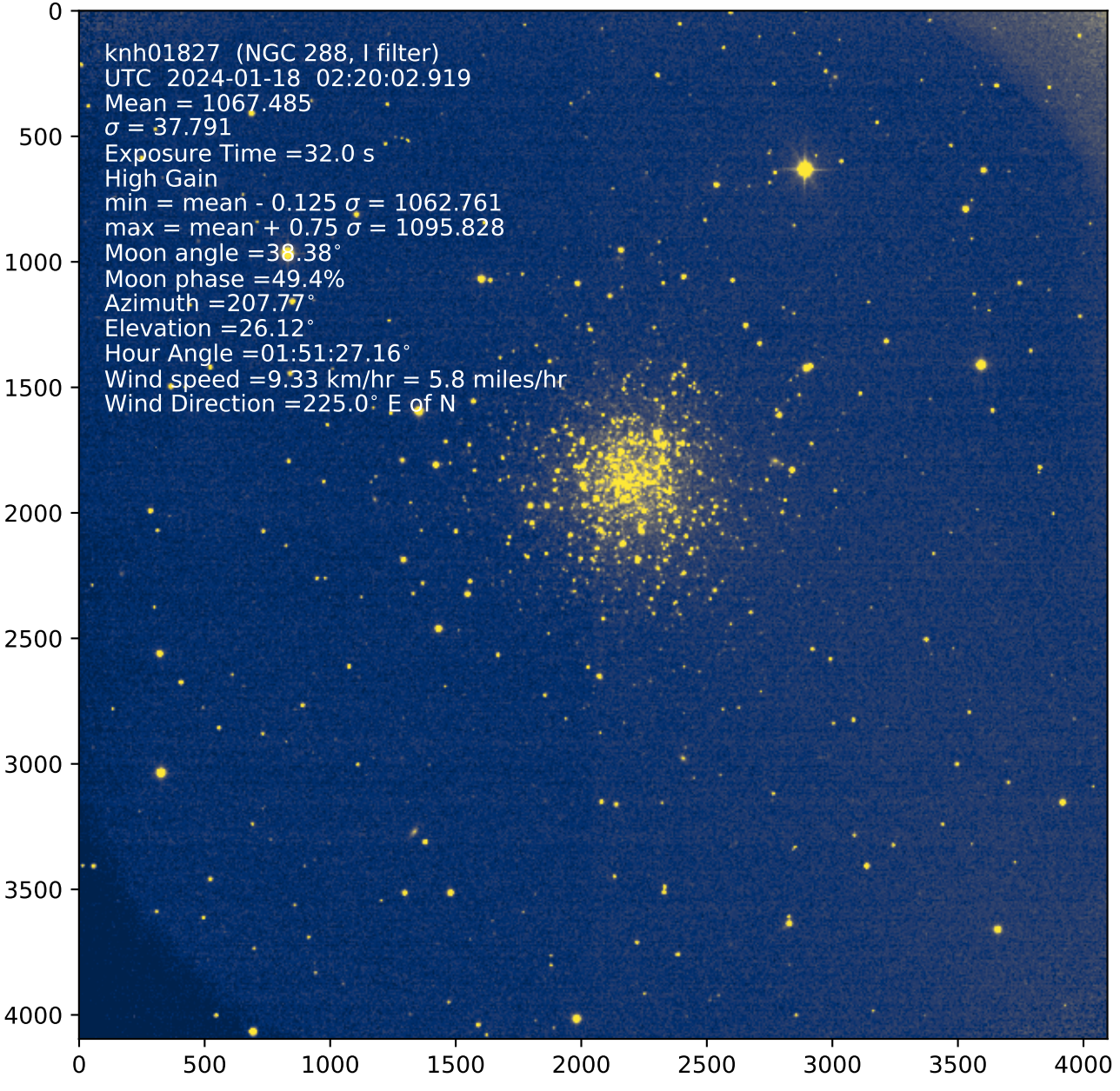
2000
2500
3000
3500
4000


knh01827 (NGC 288, I filter)
UTC 2024-01-18 02:20:02.919
Mean = 1067.485
σ = 37.791
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.761
max = mean + 0.75 σ = 1095.828
Moon angle =38.38°
Moon phase =49.4%
Azimuth =207.77°
Elevation =26.12°
Hour Angle =01:51:27.16°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
500
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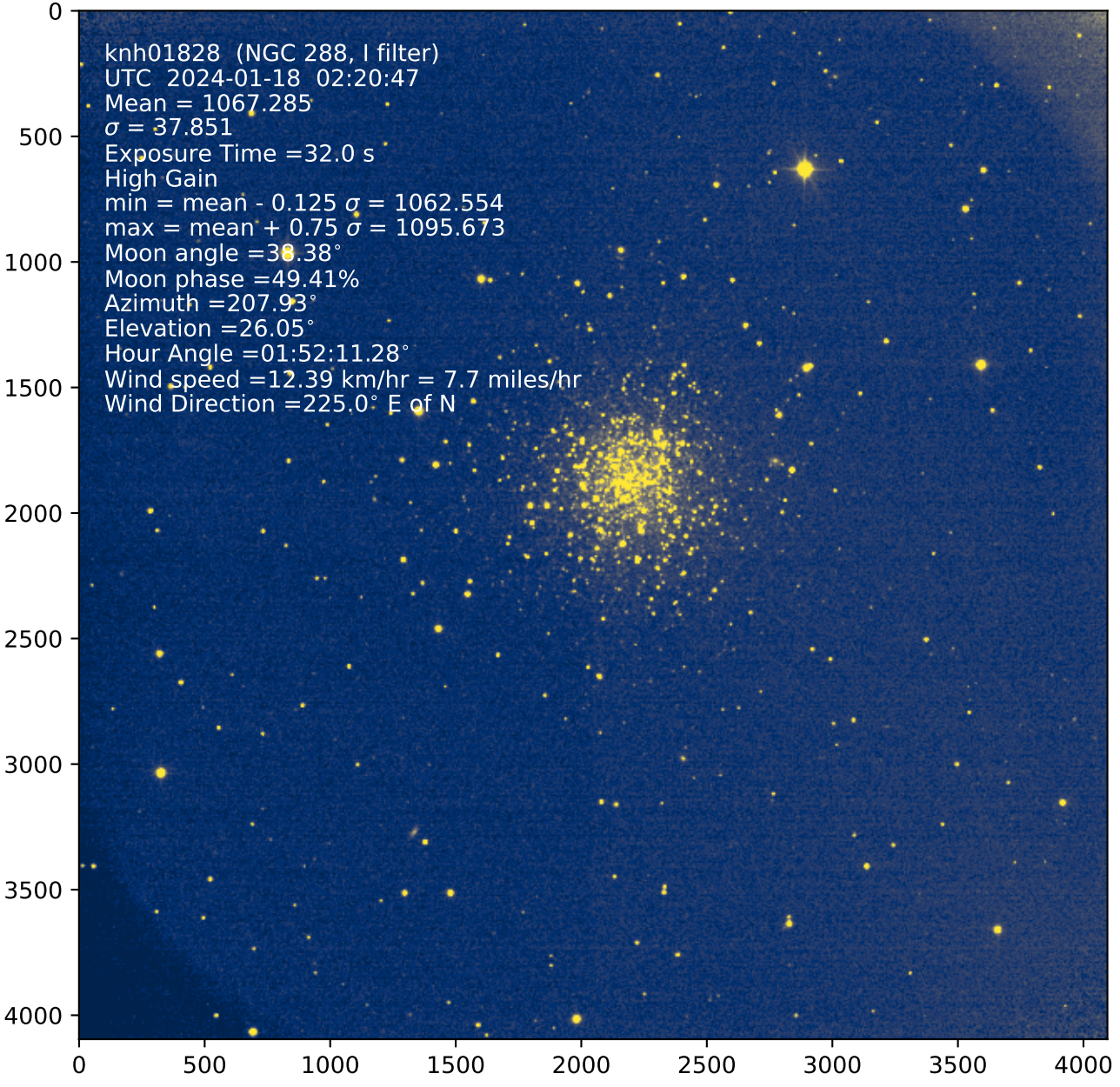
2000
2500
3000
3500
4000


knh01828 (NGC 288, I filter)
UTC 2024-01-18 02:20:47
Mean = 1067.285
σ = 37.851
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.554
max = mean + 0.75 σ = 1095.673
Moon angle =38.38°
Moon phase =49.41%
Azimuth =207.93°
Elevation =26.05°
Hour Angle =01:52:11.28°
Wind speed =12.39 km/hr = 7.7 miles/hr
Wind Direction =225.0° E of N
0
500
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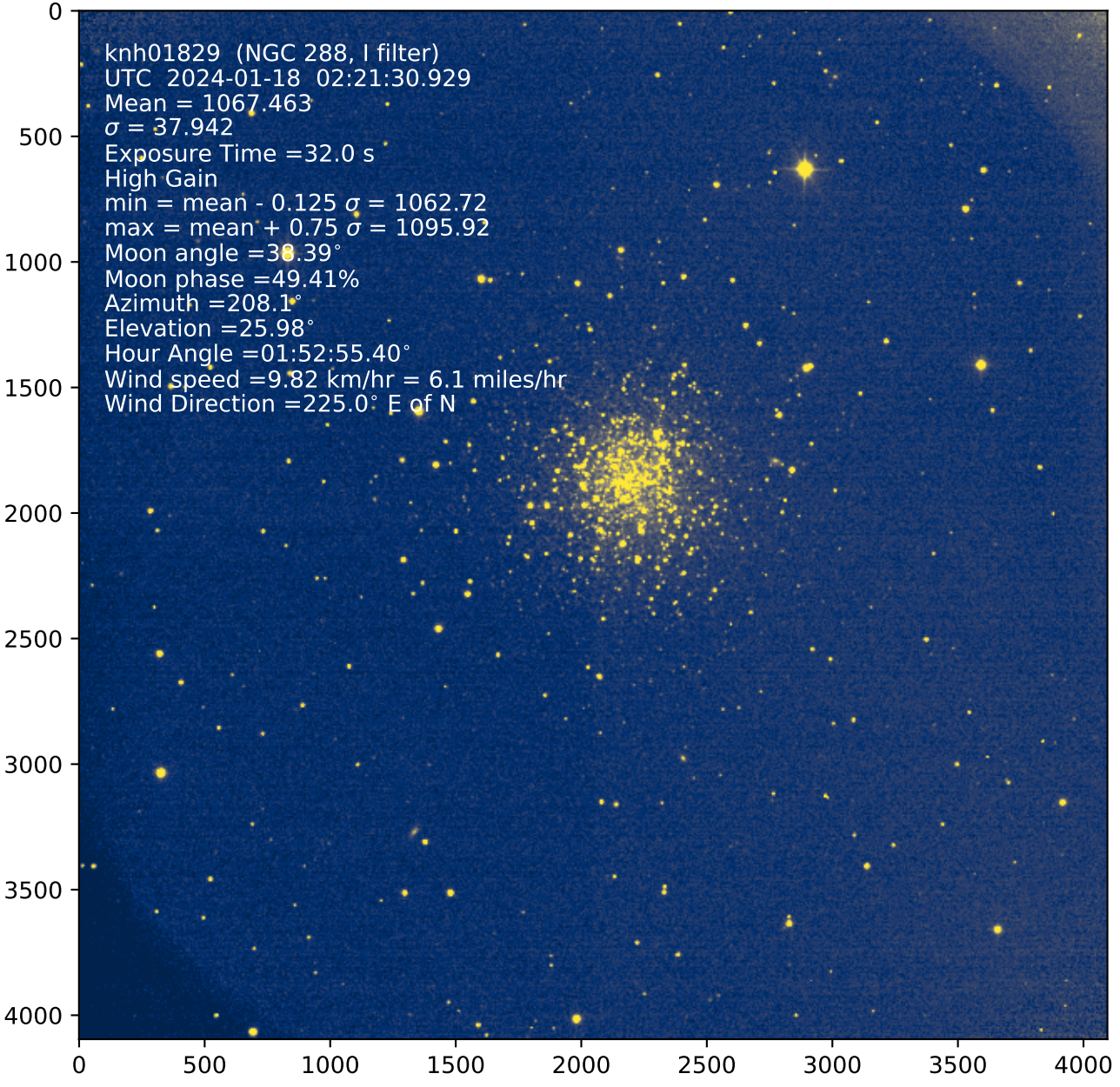
3000
3500
4000


knh01829 (NGC 288, I filter)
UTC 2024-01-18 02:21:30.929
Mean = 1067.463
σ = 37.942
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.72
max = mean + 0.75 σ = 1095.92
Moon angle =38.39°
Moon phase =49.41%
Azimuth =208.1°
Elevation =25.98°
Hour Angle =01:52:55.40°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
0
500
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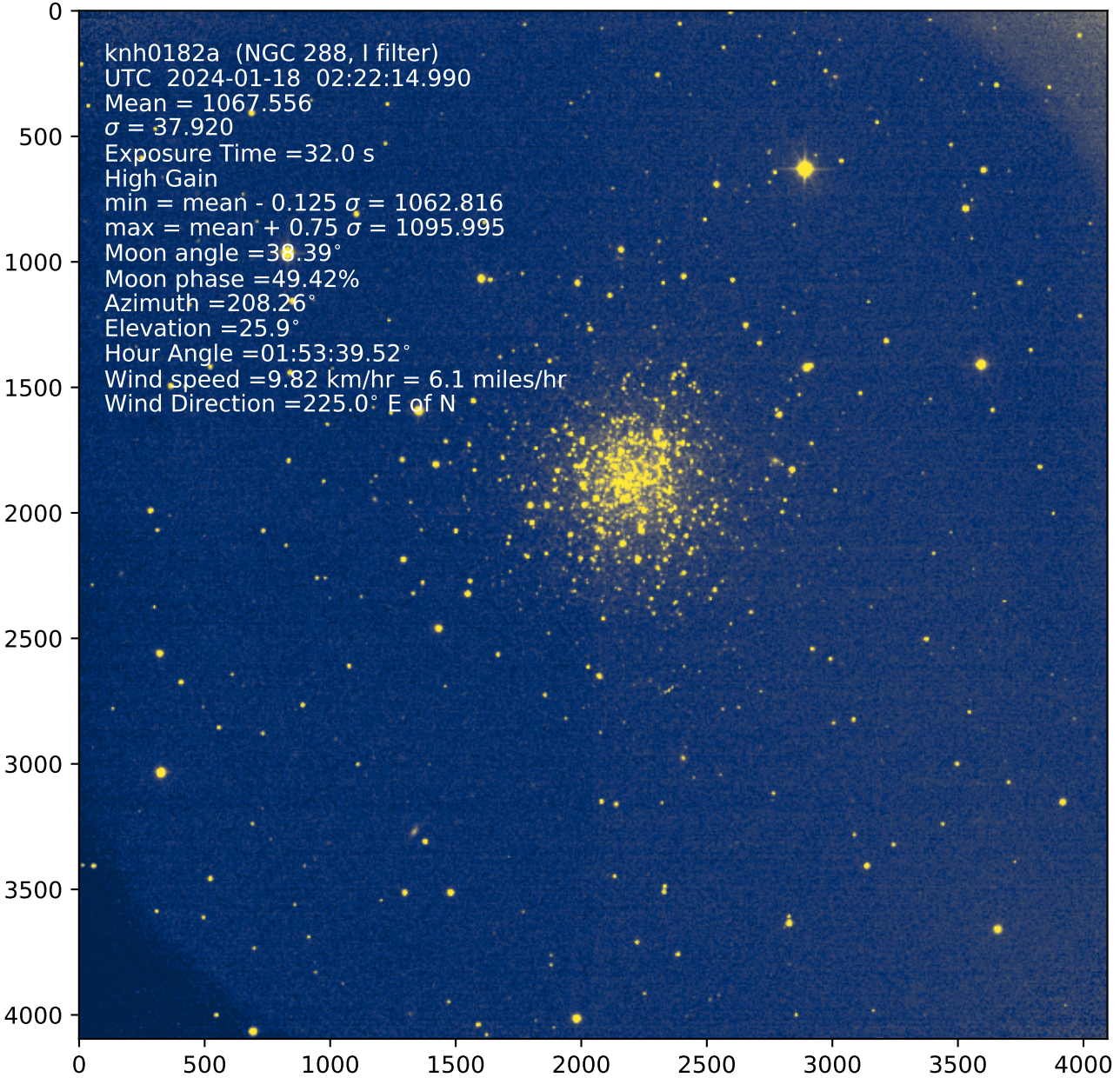
2500
3000
3500
4000


knh0182a (NGC 288, I filter)
UTC 2024-01-18 02:22:14.990
Mean = 1067.556
σ = 37.920
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.816
max = mean + 0.75 σ = 1095.995
Moon angle =38.39°
Moon phase =49.42%
Azimuth =208.26°
Elevation =25.9°
Hour Angle =01:53:39.52°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
0
500
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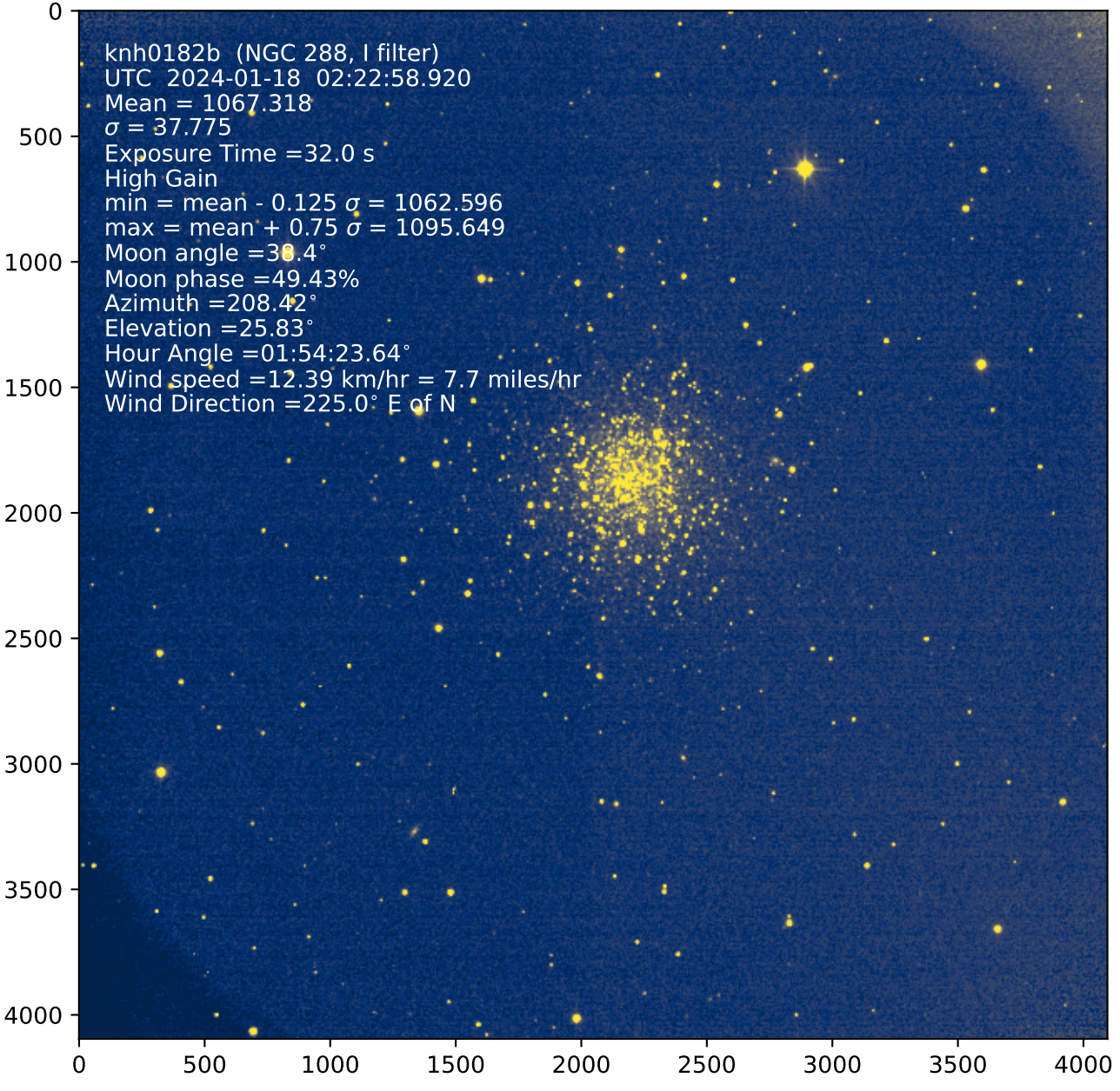
3000
3500
4000


knh0182b (NGC 288, I filter)
UTC 2024-01-18 02:22:58.920
Mean = 1067.318
σ = 37.775
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.596
max = mean + 0.75 σ = 1095.649
Moon angle =38.4°
Moon phase =49.43%
Azimuth =208.42°
Elevation =25.83°
Hour Angle =01:54:23.64°
Wind speed =12.39 km/hr = 7.7 miles/hr
Wind Direction =225.0° E of N
0
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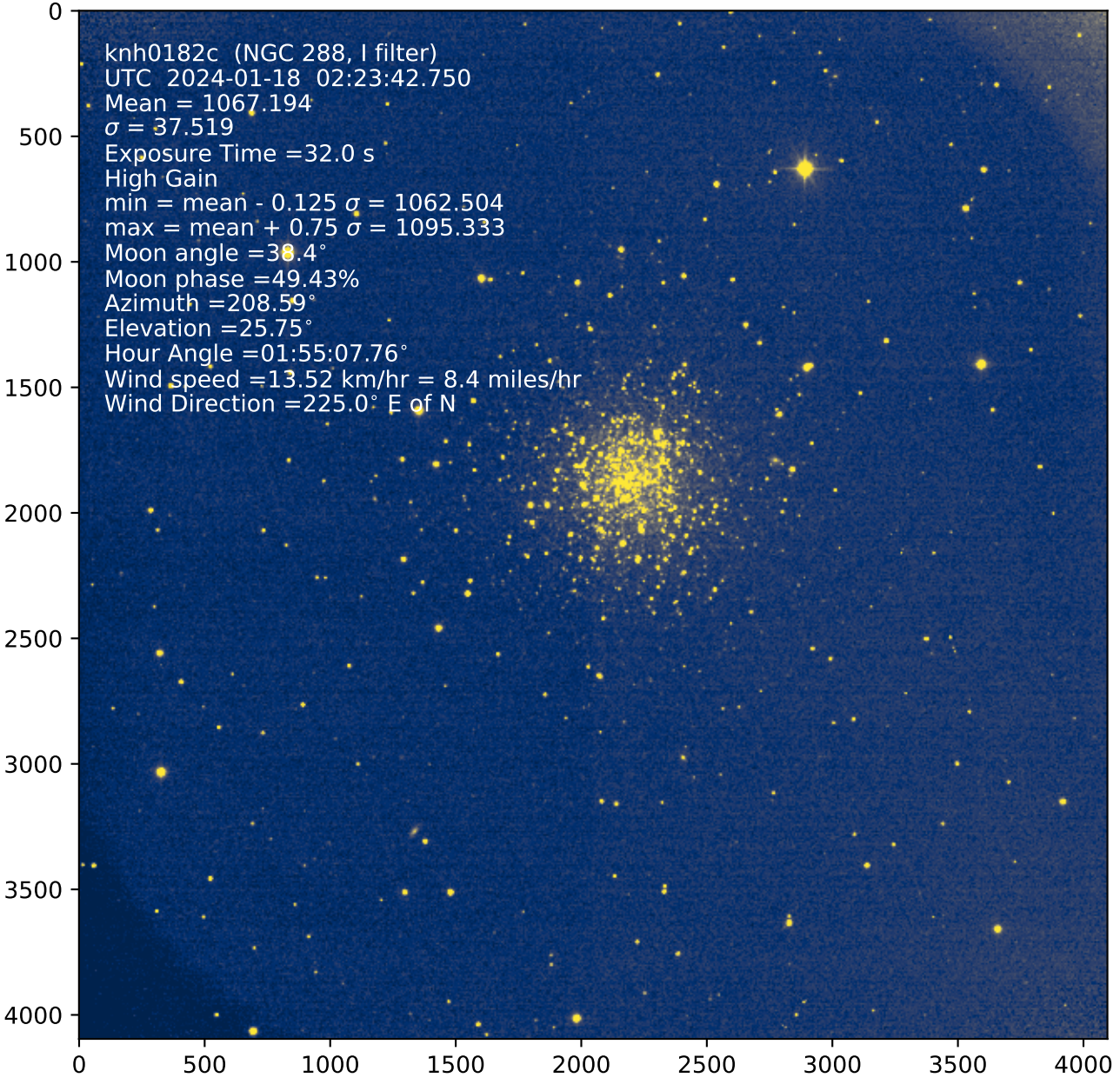
4000


knh0182c (NGC 288, I filter)
UTC 2024-01-18 02:23:42.750
Mean = 1067.194
σ = 37.519
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.504
max = mean + 0.75 σ = 1095.333
Moon angle =38.4°
Moon phase =49.43%
Azimuth =208.59°
Elevation =25.75°
Hour Angle =01:55:07.76°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =225.0° E of N
0
500
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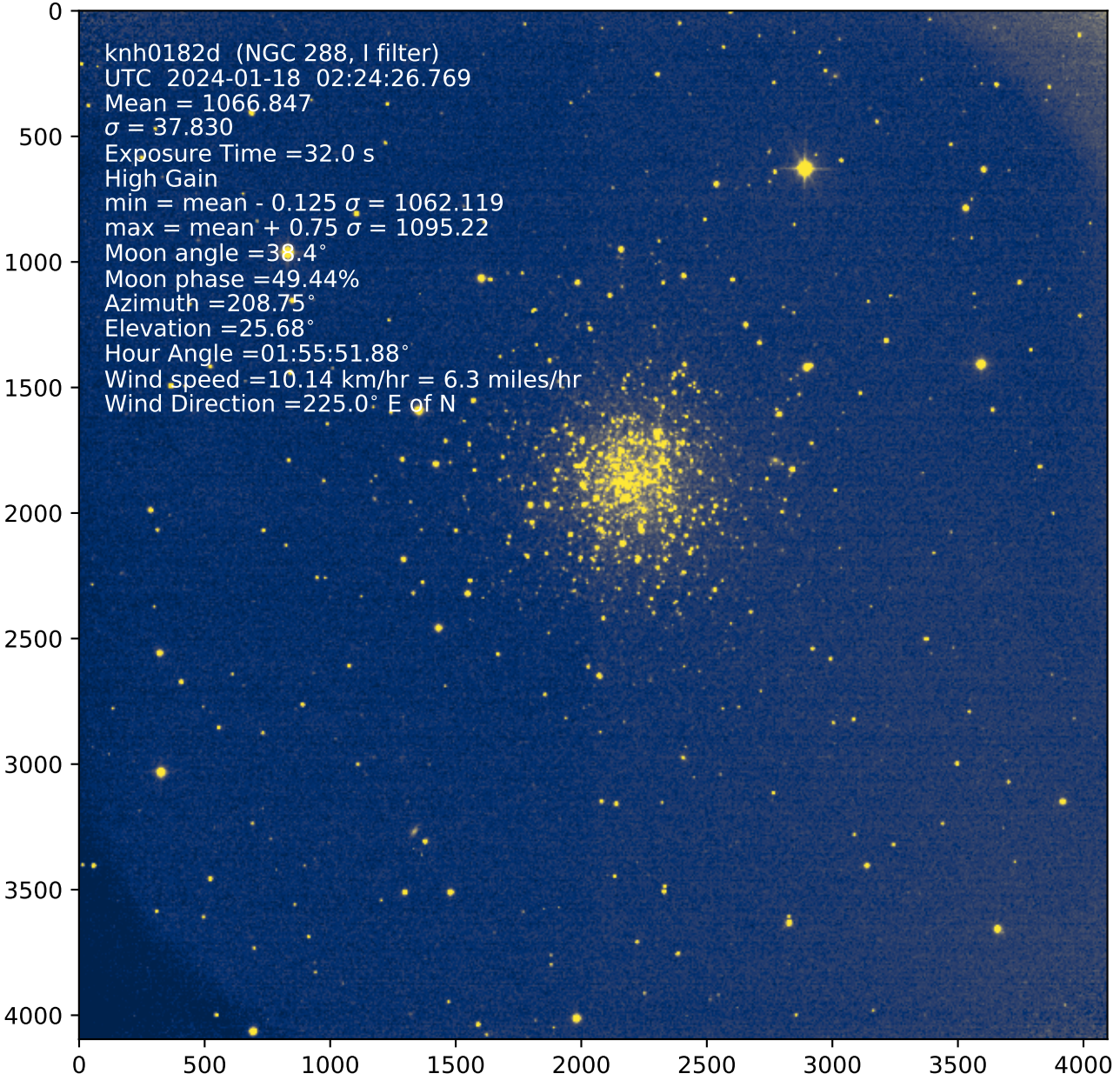
3500
4000


knh0182d (NGC 288, I filter)
UTC 2024-01-18 02:24:26.769
Mean = 1066.847
σ = 37.830
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1062.119
max = mean + 0.75 σ = 1095.22
Moon angle =38.4°
Moon phase =49.44%
Azimuth =208.75°
Elevation =25.68°
Hour Angle =01:55:51.88°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
0
500
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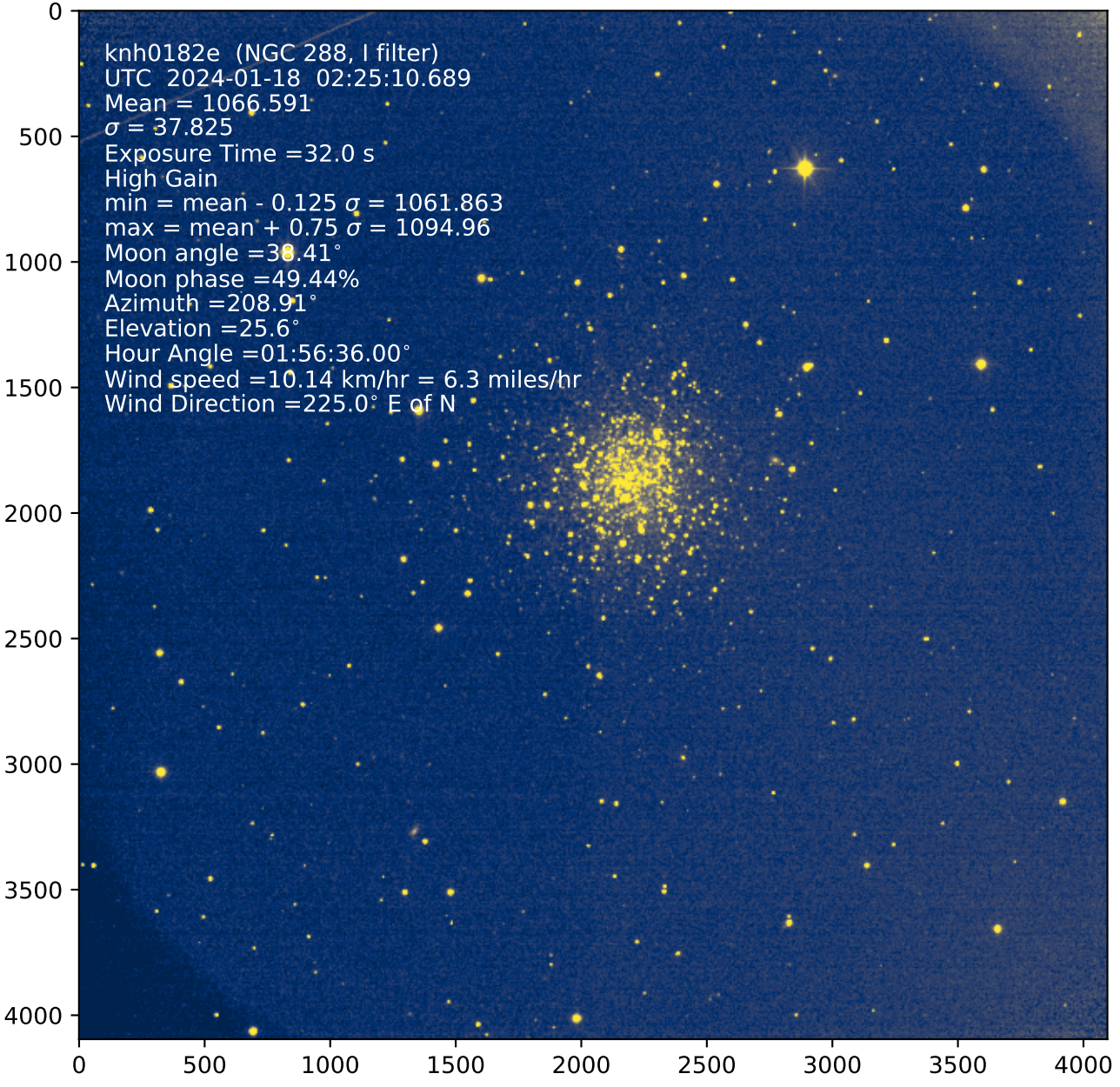
2500
3000
3500
4000


knh0182e (NGC 288, I filter)
UTC 2024-01-18 02:25:10.689
Mean = 1066.591
σ = 37.825
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1061.863
max = mean + 0.75 σ = 1094.96
Moon angle =38.41°
Moon phase =49.44%
Azimuth =208.91°
Elevation =25.6°
Hour Angle =01:56:36.00°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
0
500
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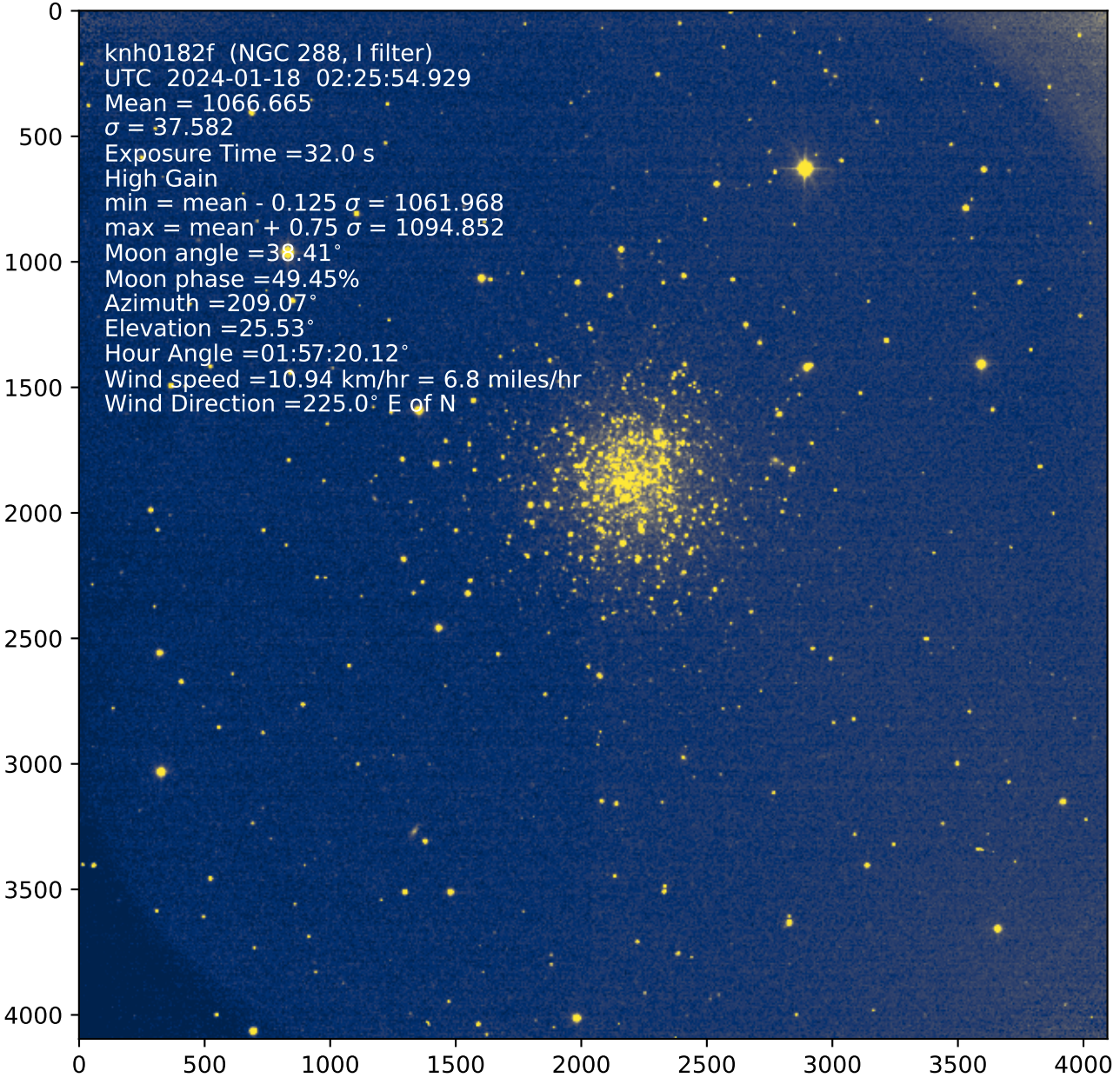
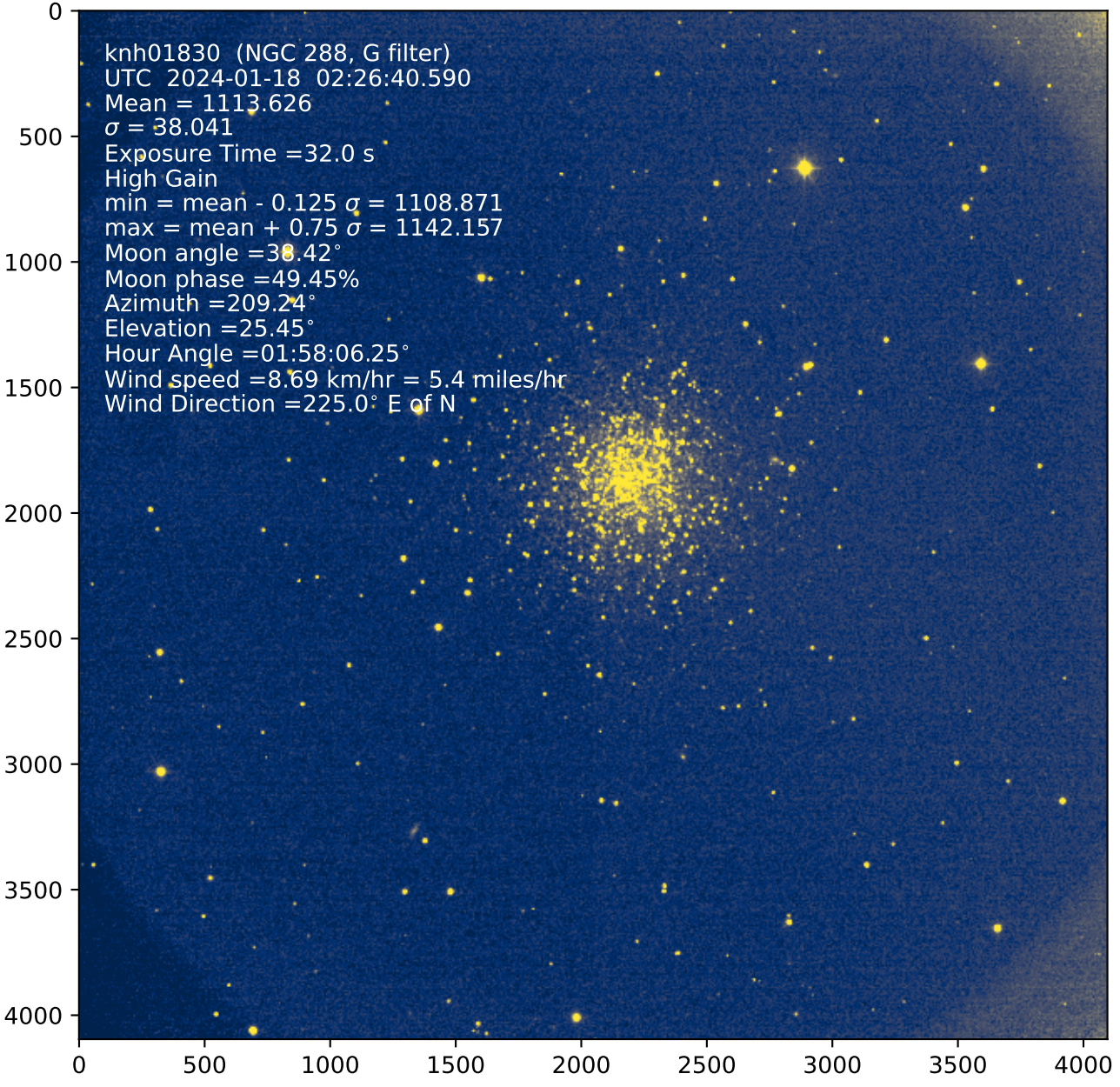
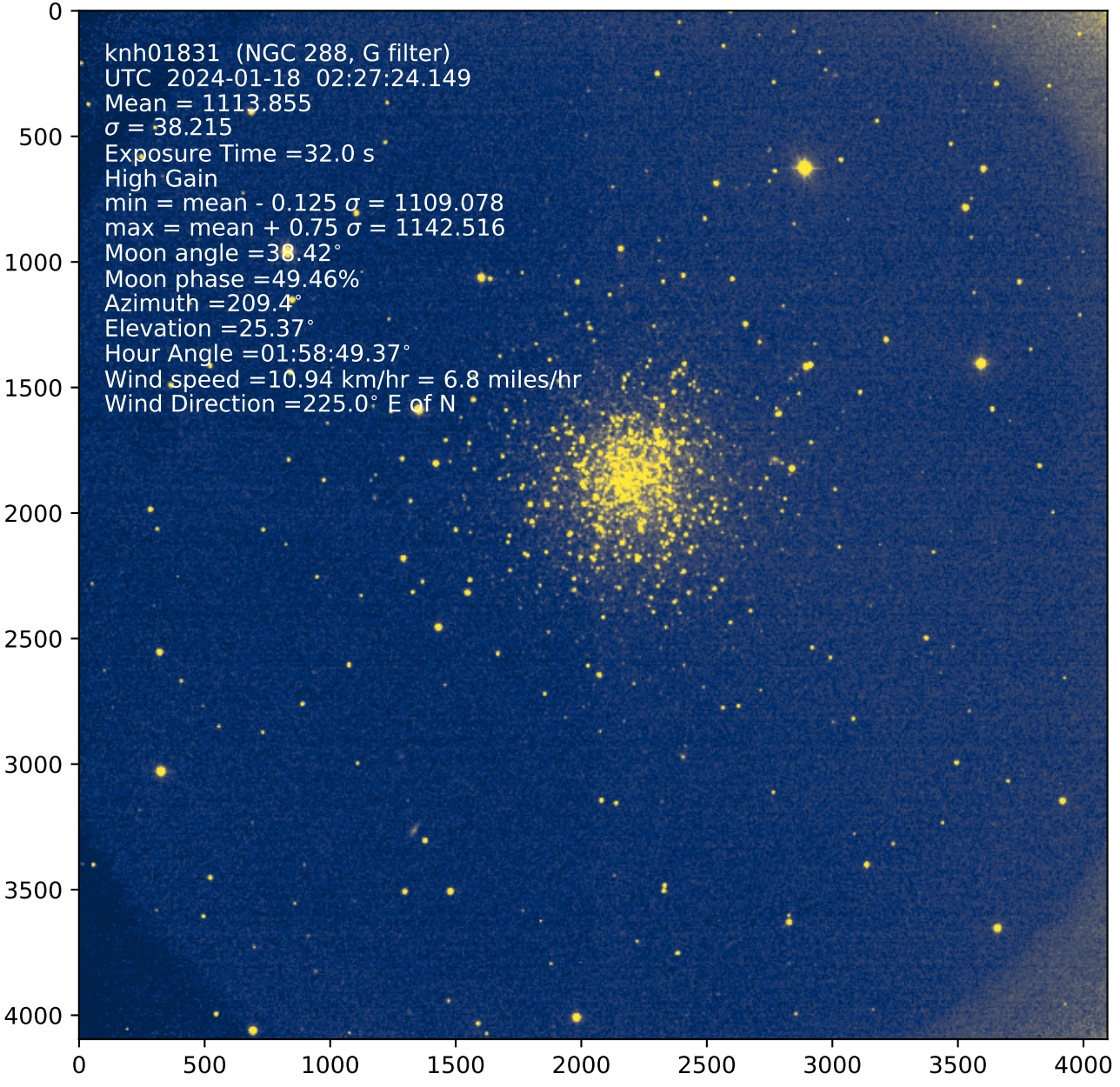
2000
2500
3000
3500
4000


knh0182f (NGC 288, I filter)
UTC 2024-01-18 02:25:54.929
Mean = 1066.665
σ = 37.582
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1061.968
max = mean + 0.75 σ = 1094.852
Moon angle =38.41°
Moon phase =49.45%
Azimuth =209.07°
Elevation =25.53°
Hour Angle =01:57:20.12°
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


knh01830 (NGC 288, G filter)
UTC 2024-01-18 02:26:40.590
Mean = 1113.626
σ = 38.041
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1108.871
max = mean + 0.75 σ = 1142.157
Moon angle =38.42°
Moon phase =49.45%
Azimuth =209.24°
Elevation =25.45°
Hour Angle =01:58:06.25°
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


knh01831 (NGC 288, G filter)
UTC 2024-01-18 02:27:24.149
Mean = 1113.855
σ = 38.215
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1109.078
max = mean + 0.75 σ = 1142.516
Moon angle =38.42°
Moon phase =49.46%
Azimuth =209.4°
Elevation =25.37°
Hour Angle =01:58:49.37°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
0
500
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2500
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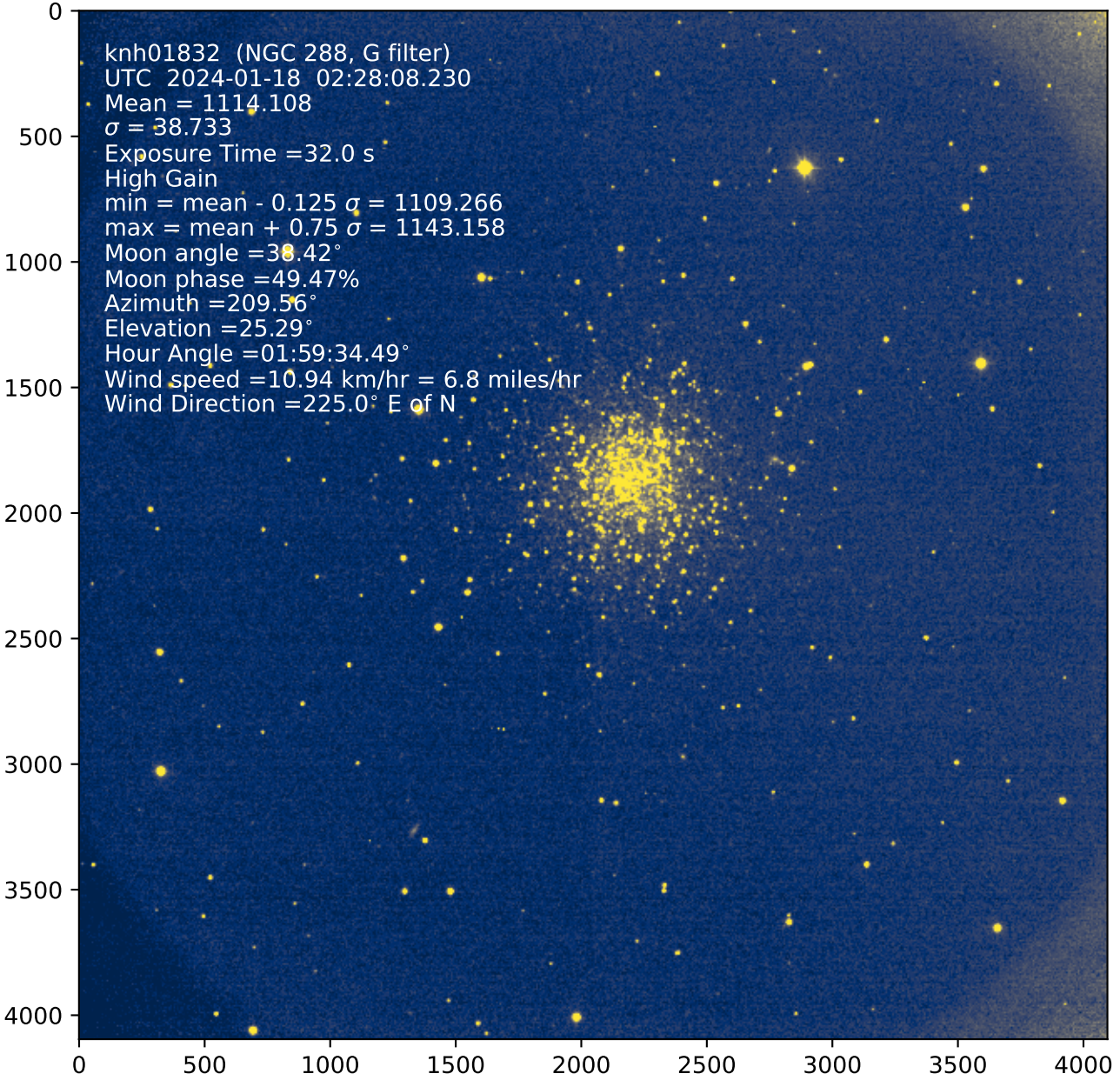
knh01832 (NGC 288, G filter)
UTC 2024-01-18 02:28:08.230
Mean = 1114.108
σ = 38.733
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1109.266
max = mean + 0.75 σ = 1143.158
Moon angle =38.42°
Moon phase =49.47%
Azimuth =209.56°
Elevation =25.29°
Hour Angle =01:59:34.49°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
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3500
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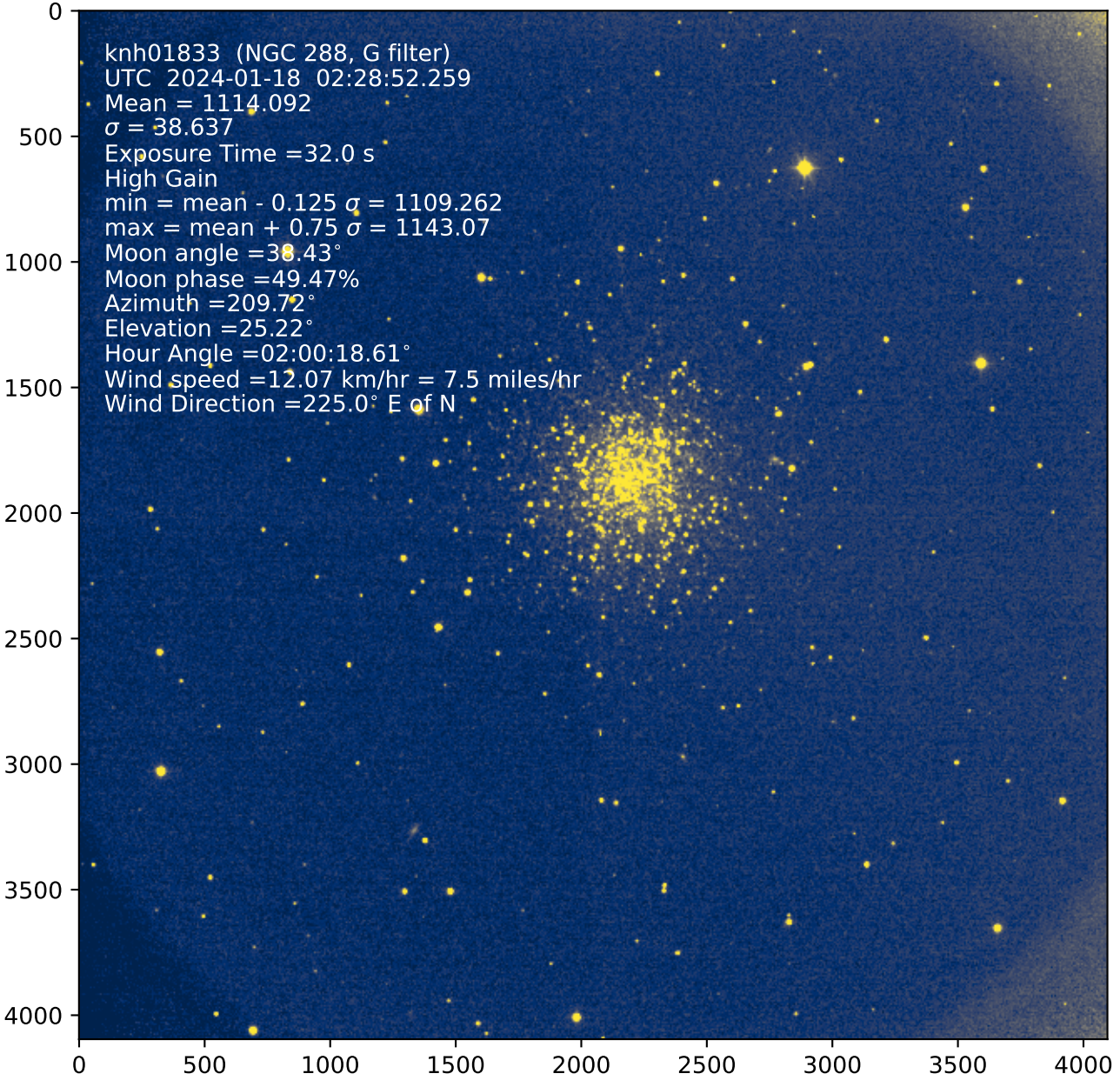
knh01833 (NGC 288, G filter)
UTC 2024-01-18 02:28:52.259
Mean = 1114.092
σ = 38.637
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1109.262
max = mean + 0.75 σ = 1143.07
Moon angle =38.43°
Moon phase =49.47%
Azimuth =209.72°
Elevation =25.22°
Hour Angle =02:00:18.61°
Wind speed =12.07 km/hr = 7.5 miles/hr
Wind Direction =225.0° E of N
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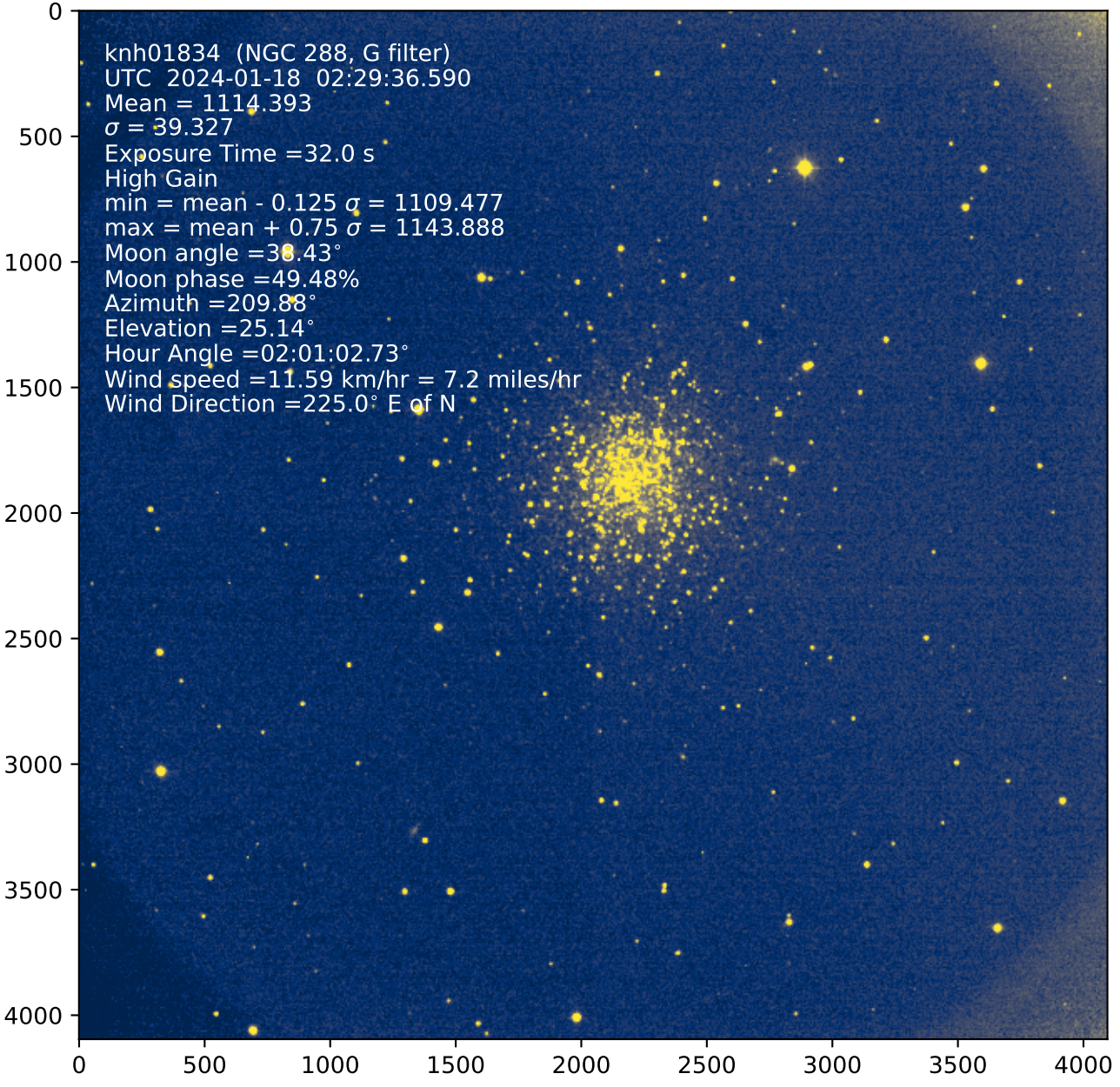
4000


knh01834 (NGC 288, G filter)
UTC 2024-01-18 02:29:36.590
Mean = 1114.393
σ = 39.327
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1109.477
max = mean + 0.75 σ = 1143.888
Moon angle =38.43°
Moon phase =49.48%
Azimuth =209.88°
Elevation =25.14°
Hour Angle =02:01:02.73°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =225.0° E of N
0
500
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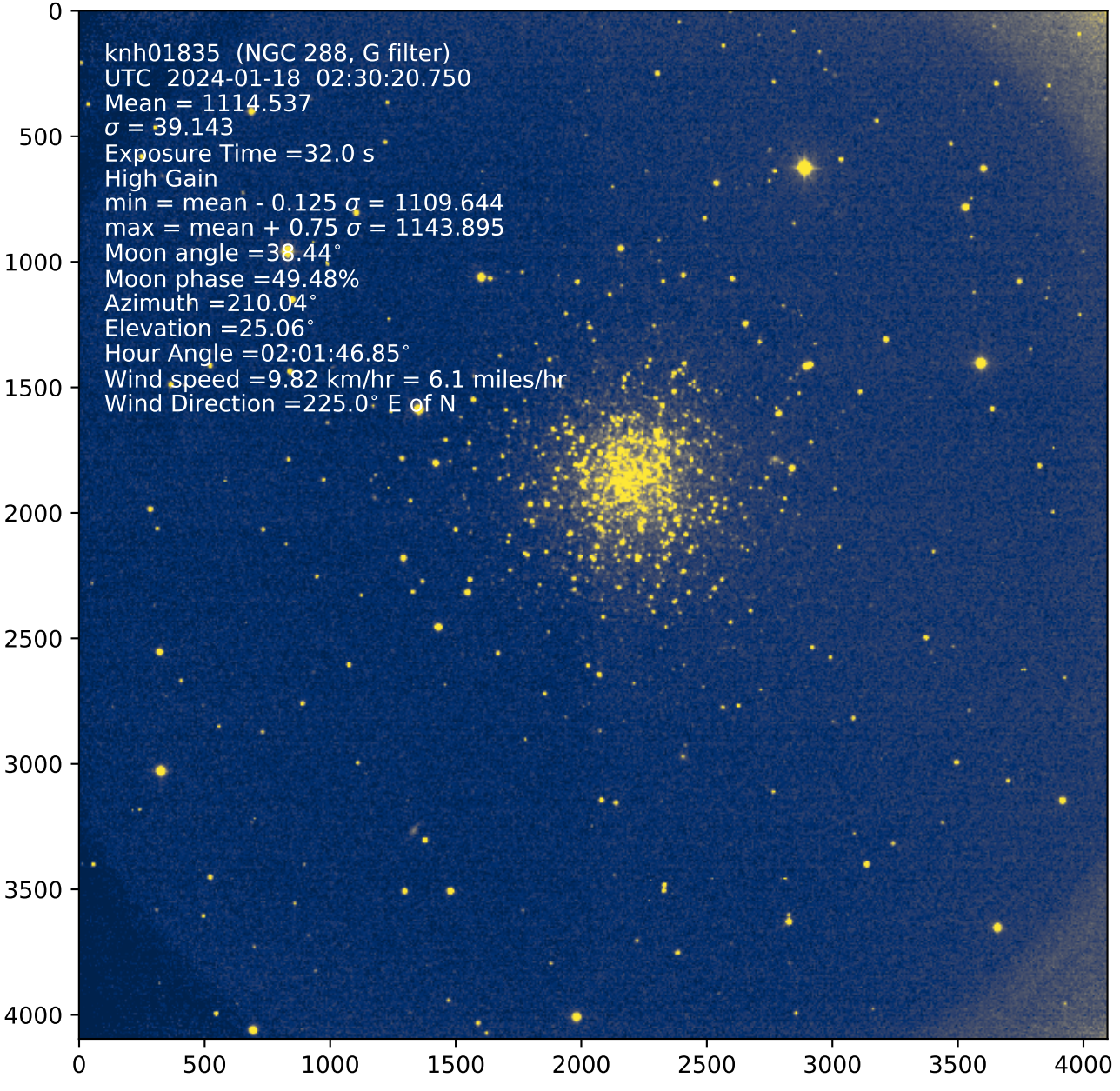
2000
2500
3000
3500
4000


knh01835 (NGC 288, G filter)
UTC 2024-01-18 02:30:20.750
Mean = 1114.537
σ = 39.143
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1109.644
max = mean + 0.75 σ = 1143.895
Moon angle =38.44°
Moon phase =49.48%
Azimuth =210.04°
Elevation =25.06°
Hour Angle =02:01:46.85°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
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3500
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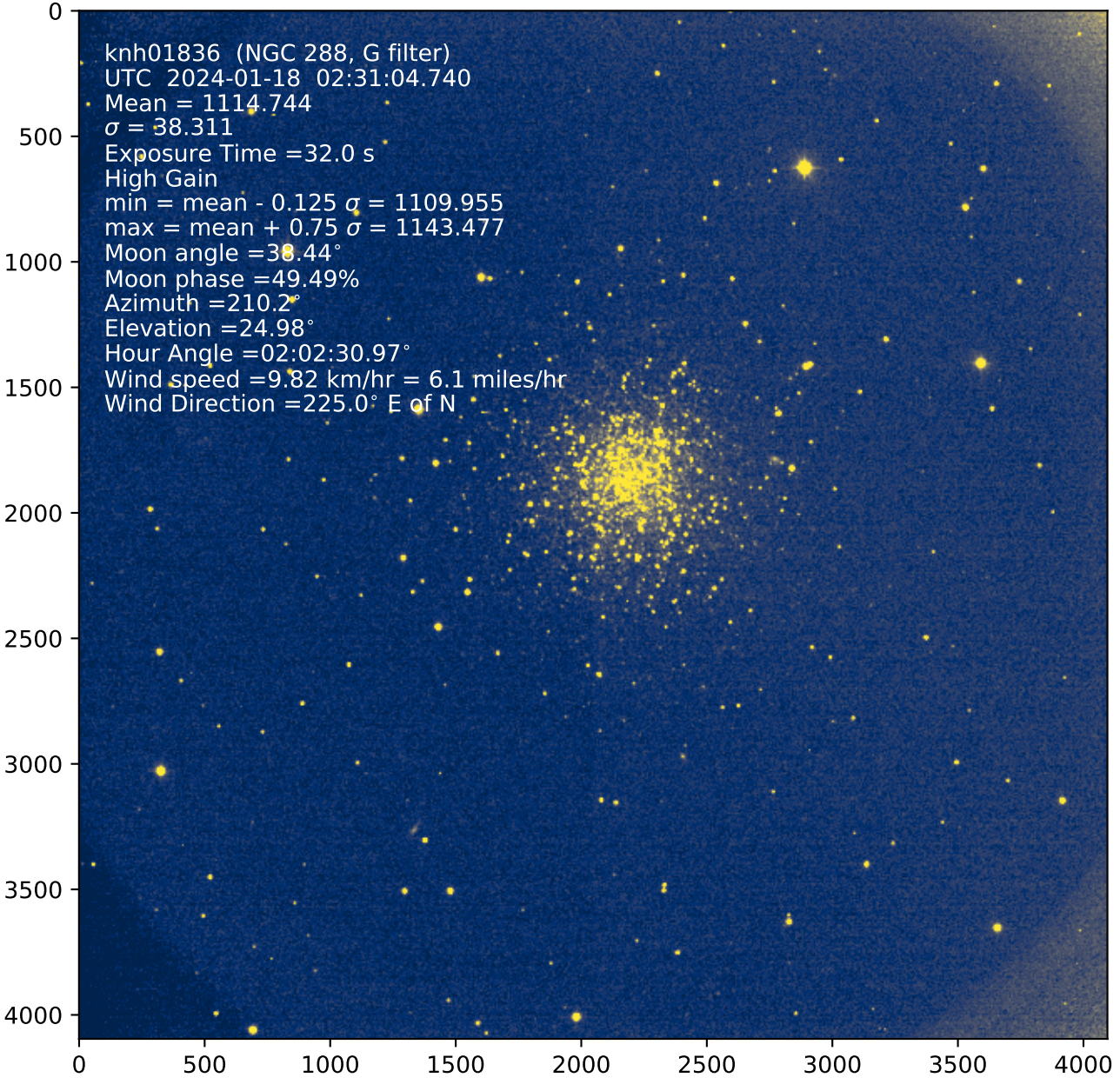
knh01836 (NGC 288, G filter)
UTC 2024-01-18 02:31:04.740
Mean = 1114.744
σ = 38.311
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1109.955
max = mean + 0.75 σ = 1143.477
Moon angle =38.44°
Moon phase =49.49%
Azimuth =210.2°
Elevation =24.98°
Hour Angle =02:02:30.97°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
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3500
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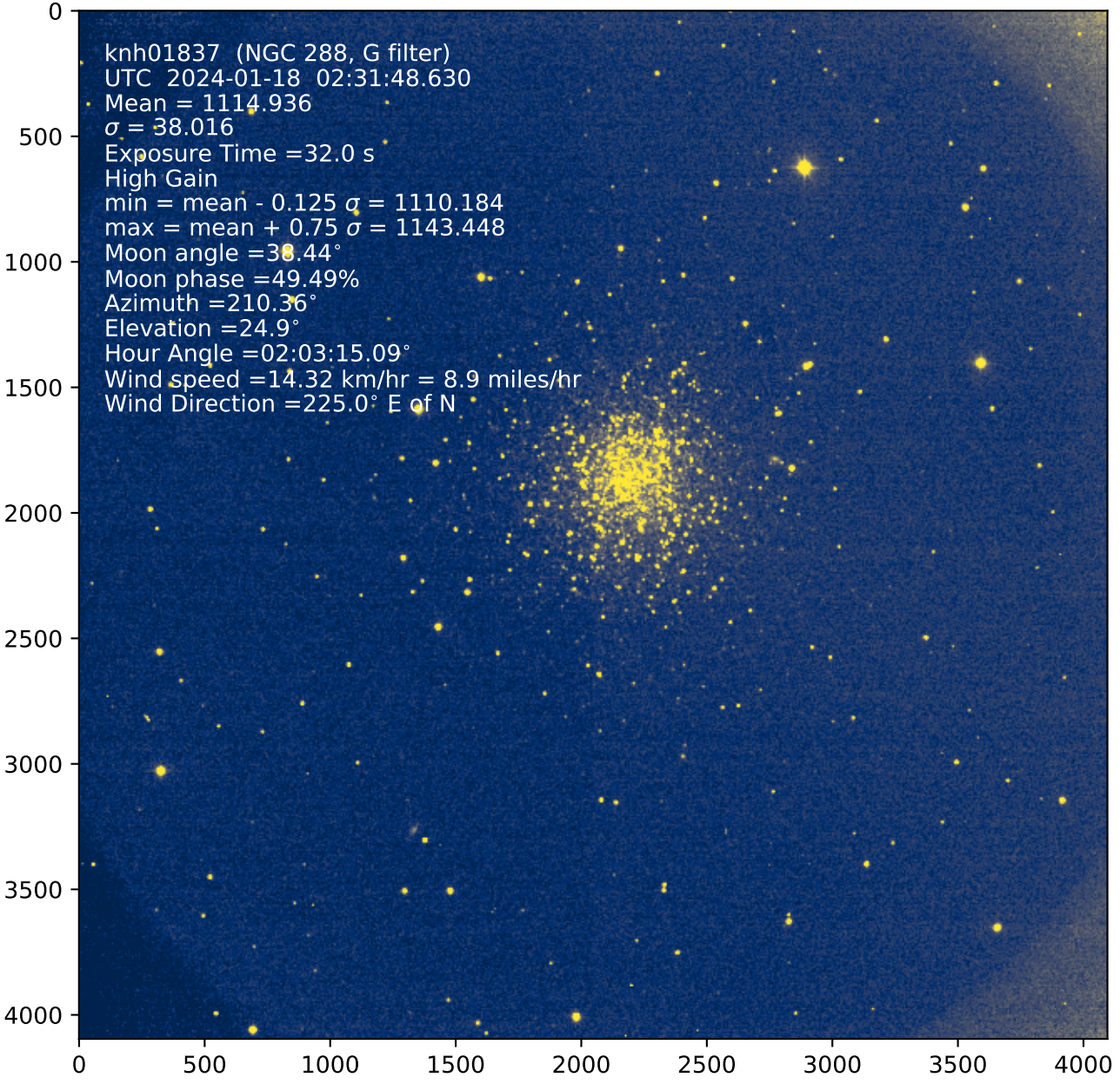
knh01837 (NGC 288, G filter)
UTC 2024-01-18 02:31:48.630
Mean = 1114.936
σ = 38.016
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1110.184
max = mean + 0.75 σ = 1143.448
Moon angle =38.44°
Moon phase =49.49%
Azimuth =210.36°
Elevation =24.9°
Hour Angle =02:03:15.09°
Wind speed =14.32 km/hr = 8.9 miles/hr
Wind Direction =225.0° E of N
0
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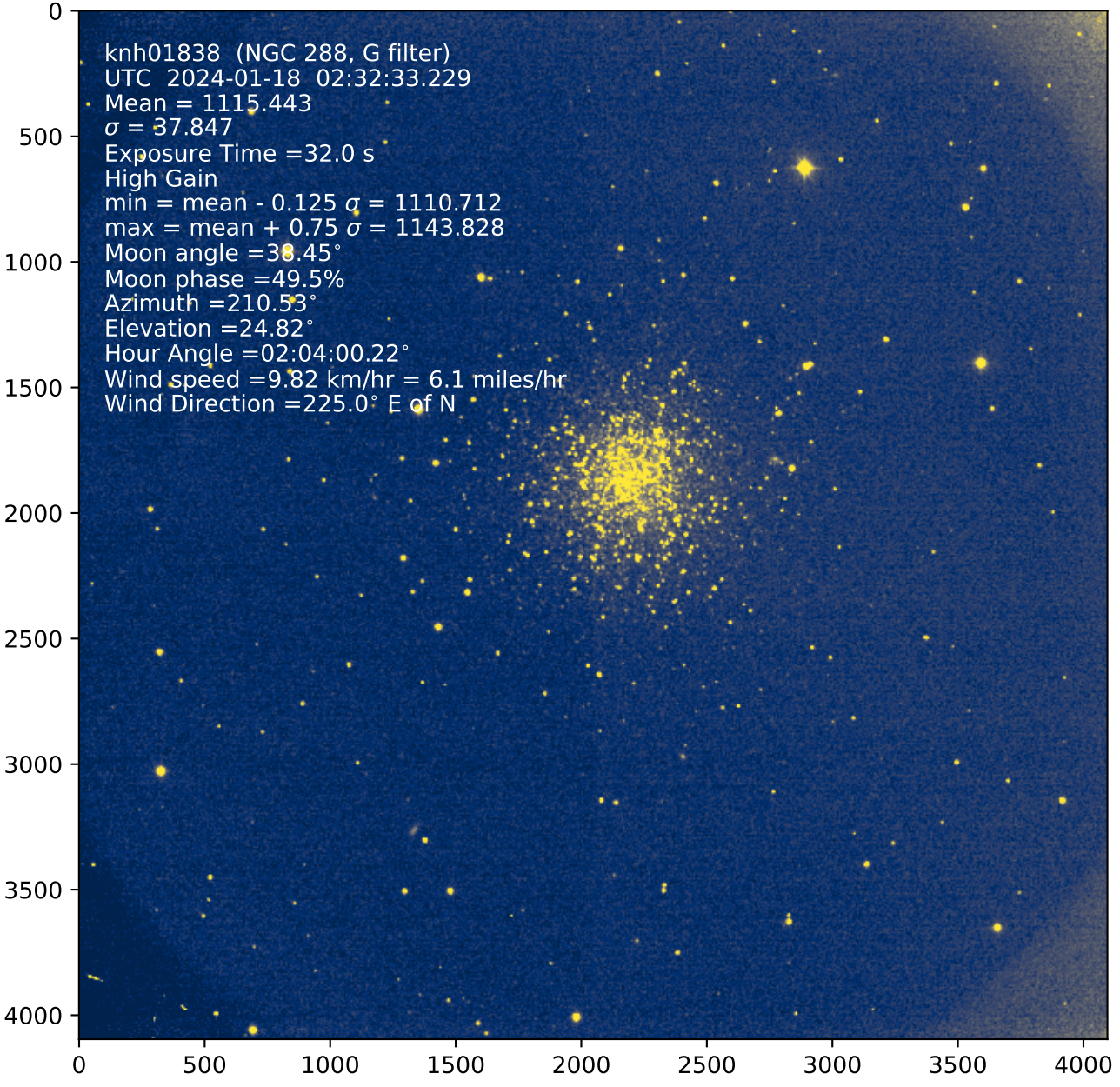
4000


knh01838 (NGC 288, G filter)
UTC 2024-01-18 02:32:33.229
Mean = 1115.443
σ = 37.847
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1110.712
max = mean + 0.75 σ = 1143.828
Moon angle =38.45°
Moon phase =49.5%
Azimuth =210.53°
Elevation =24.82°
Hour Angle =02:04:00.22°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
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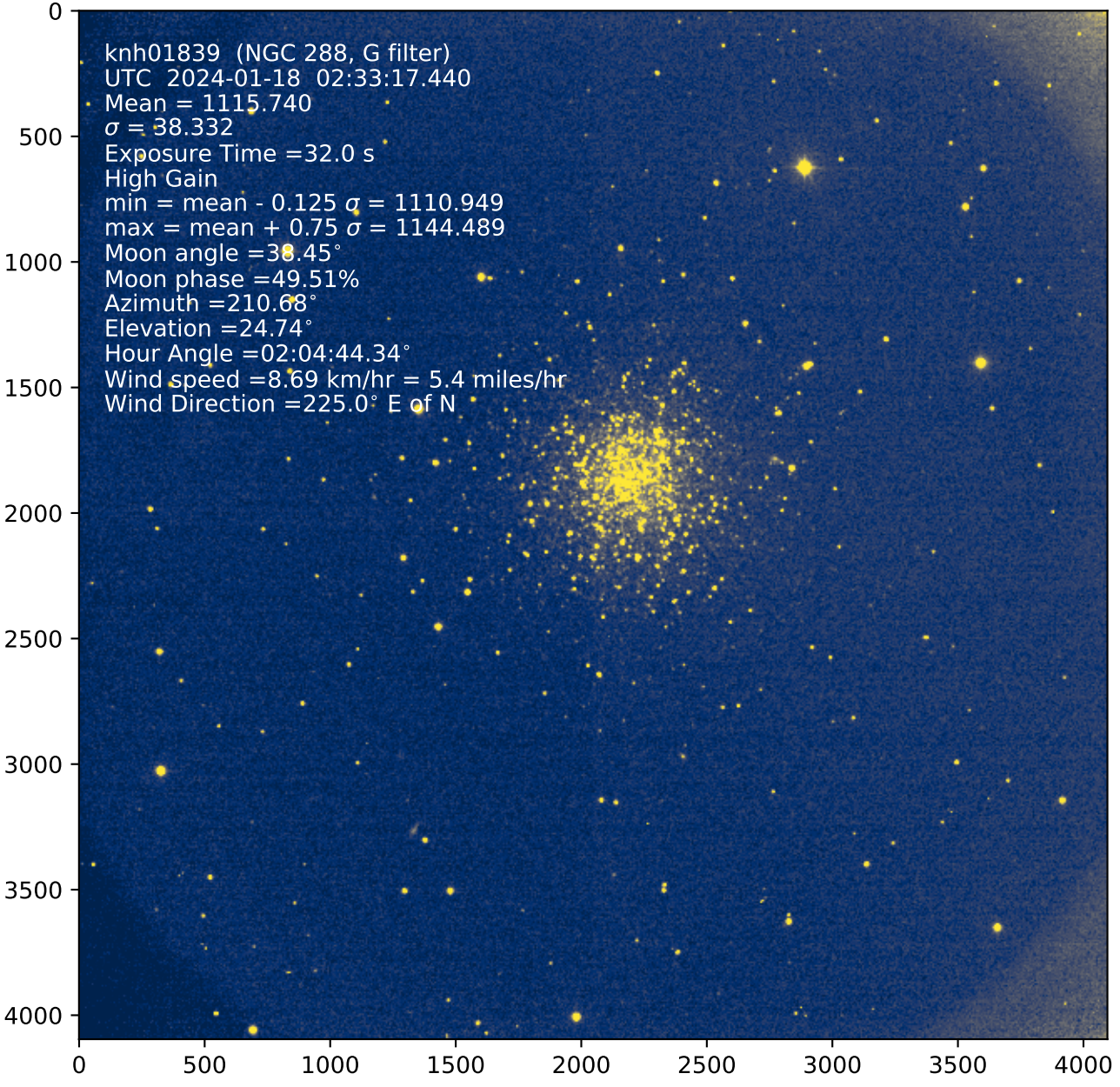
knh01839 (NGC 288, G filter)
UTC 2024-01-18 02:33:17.440
Mean = 1115.740
σ = 38.332
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1110.949
max = mean + 0.75 σ = 1144.489
Moon angle =38.45°
Moon phase =49.51%
Azimuth =210.68°
Elevation =24.74°
Hour Angle =02:04:44.34°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =225.0° E of N
0
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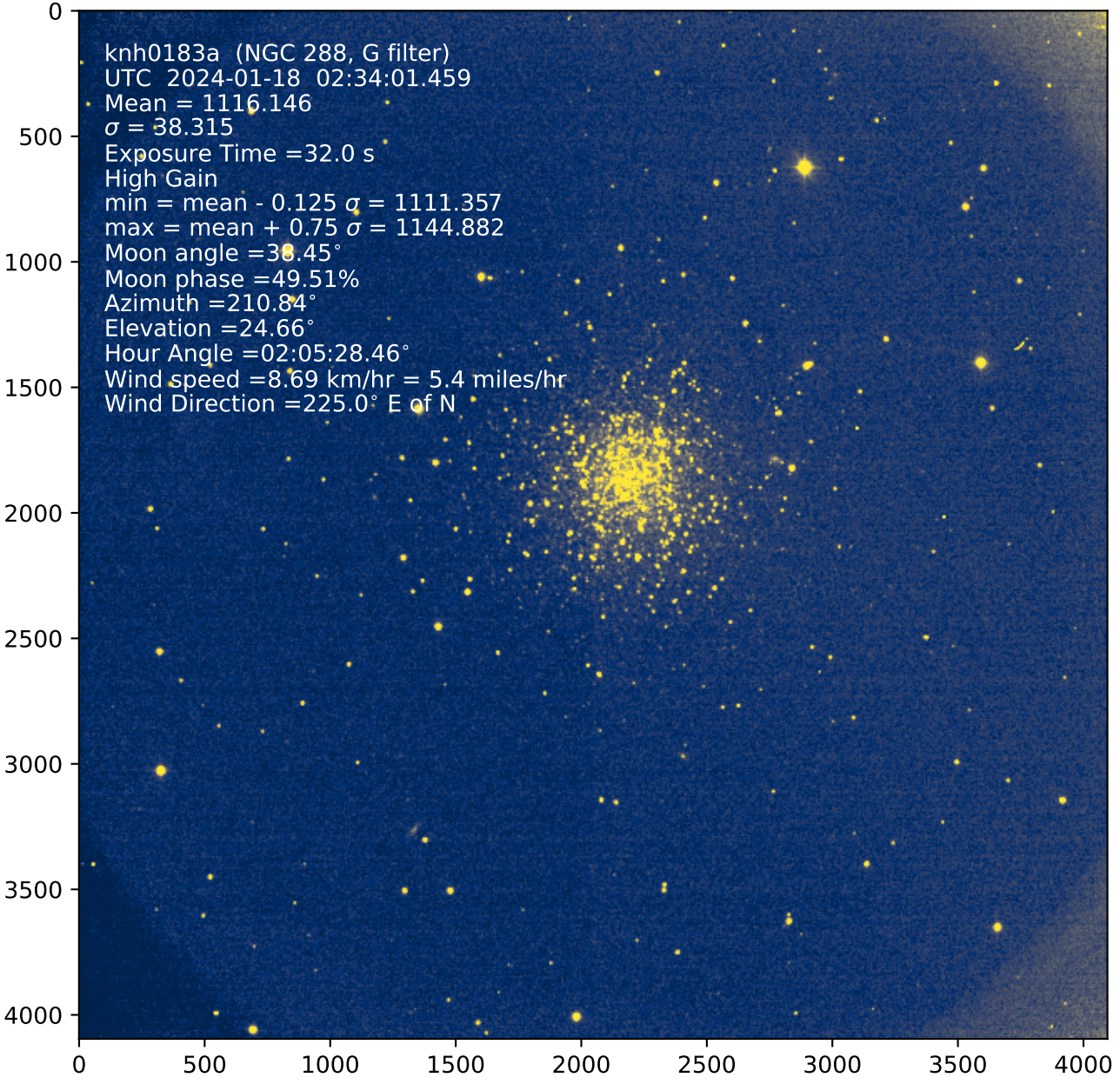
2500
3000
3500
4000


knh0183a (NGC 288, G filter)
UTC 2024-01-18 02:34:01.459
Mean = 1116.146
σ = 38.315
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1111.357
max = mean + 0.75 σ = 1144.882
Moon angle =38.45°
Moon phase =49.51%
Azimuth =210.84°
Elevation =24.66°
Hour Angle =02:05:28.46°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =225.0° E of N
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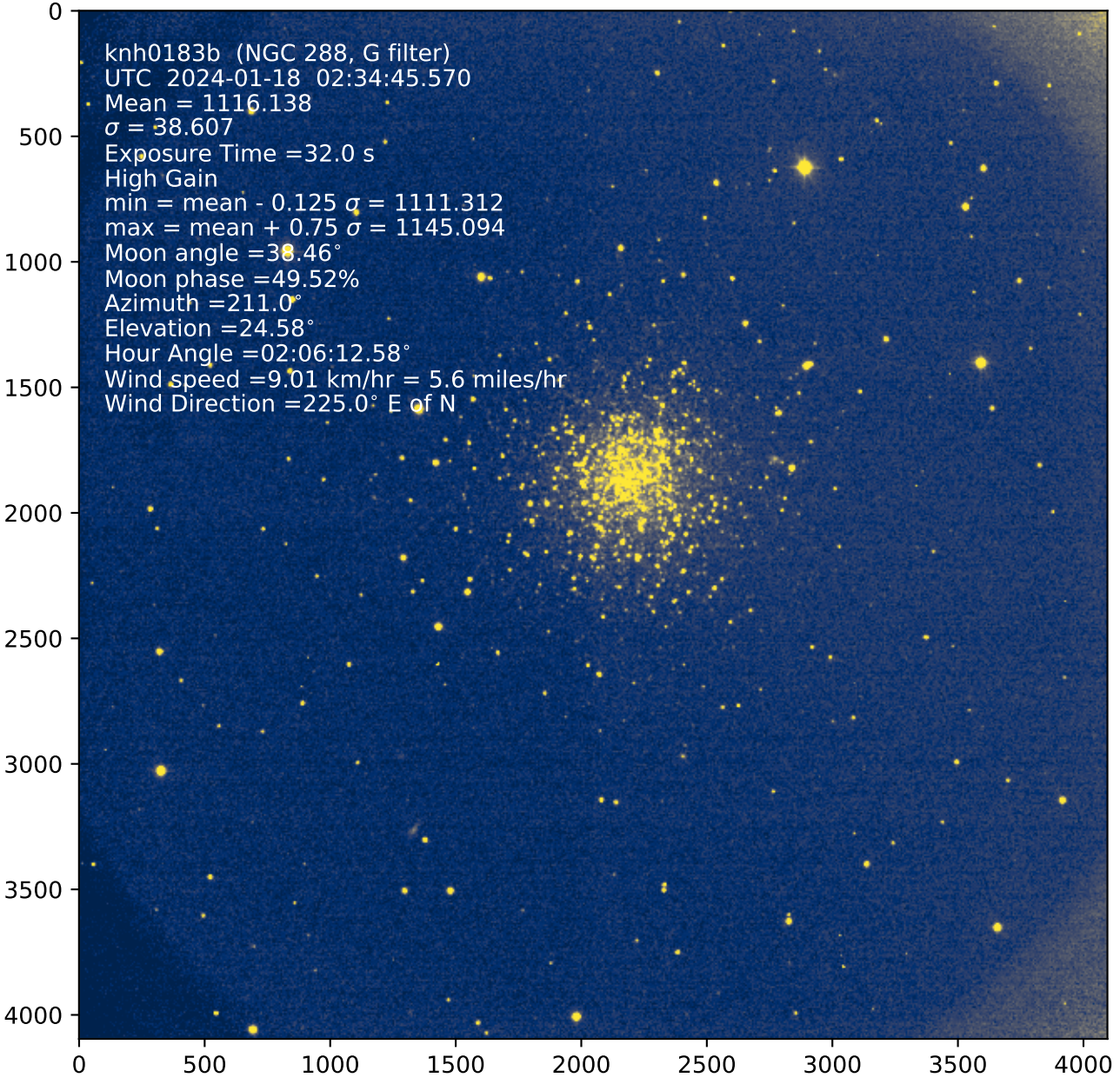
2500
3000
3500
4000


knh0183b (NGC 288, G filter)
UTC 2024-01-18 02:34:45.570
Mean = 1116.138
σ = 38.607
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1111.312
max = mean + 0.75 σ = 1145.094
Moon angle =38.46°
Moon phase =49.52%
Azimuth =211.0°
Elevation =24.58°
Hour Angle =02:06:12.58°
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =225.0° E of N
0
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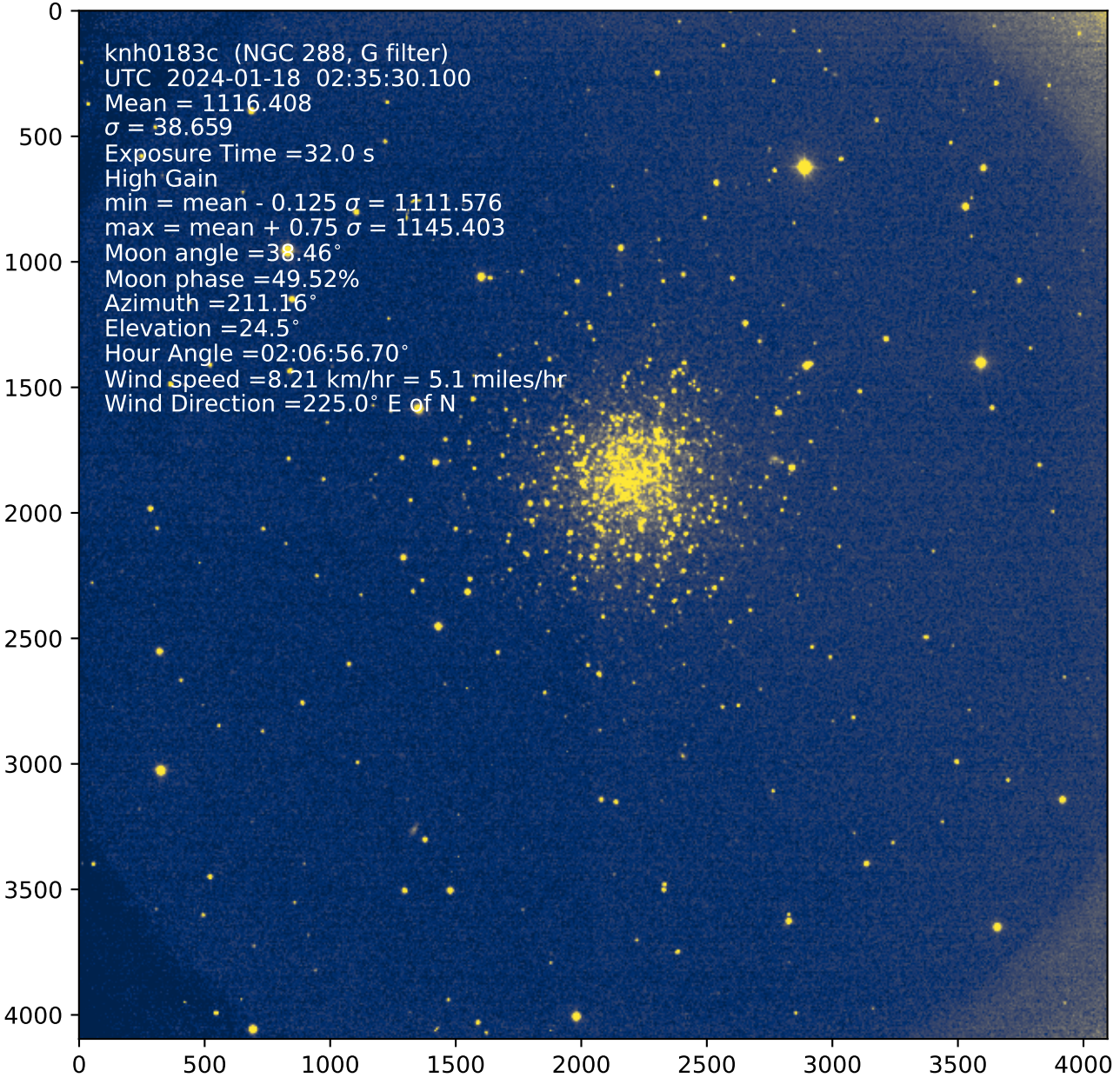
2000
2500
3000
3500
4000


knh0183c (NGC 288, G filter)
UTC 2024-01-18 02:35:30.100
Mean = 1116.408
σ = 38.659
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1111.576
max = mean + 0.75 σ = 1145.403
Moon angle =38.46°
Moon phase =49.52%
Azimuth =211.16°
Elevation =24.5°
Hour Angle =02:06:56.70°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =225.0° E of N
0
500
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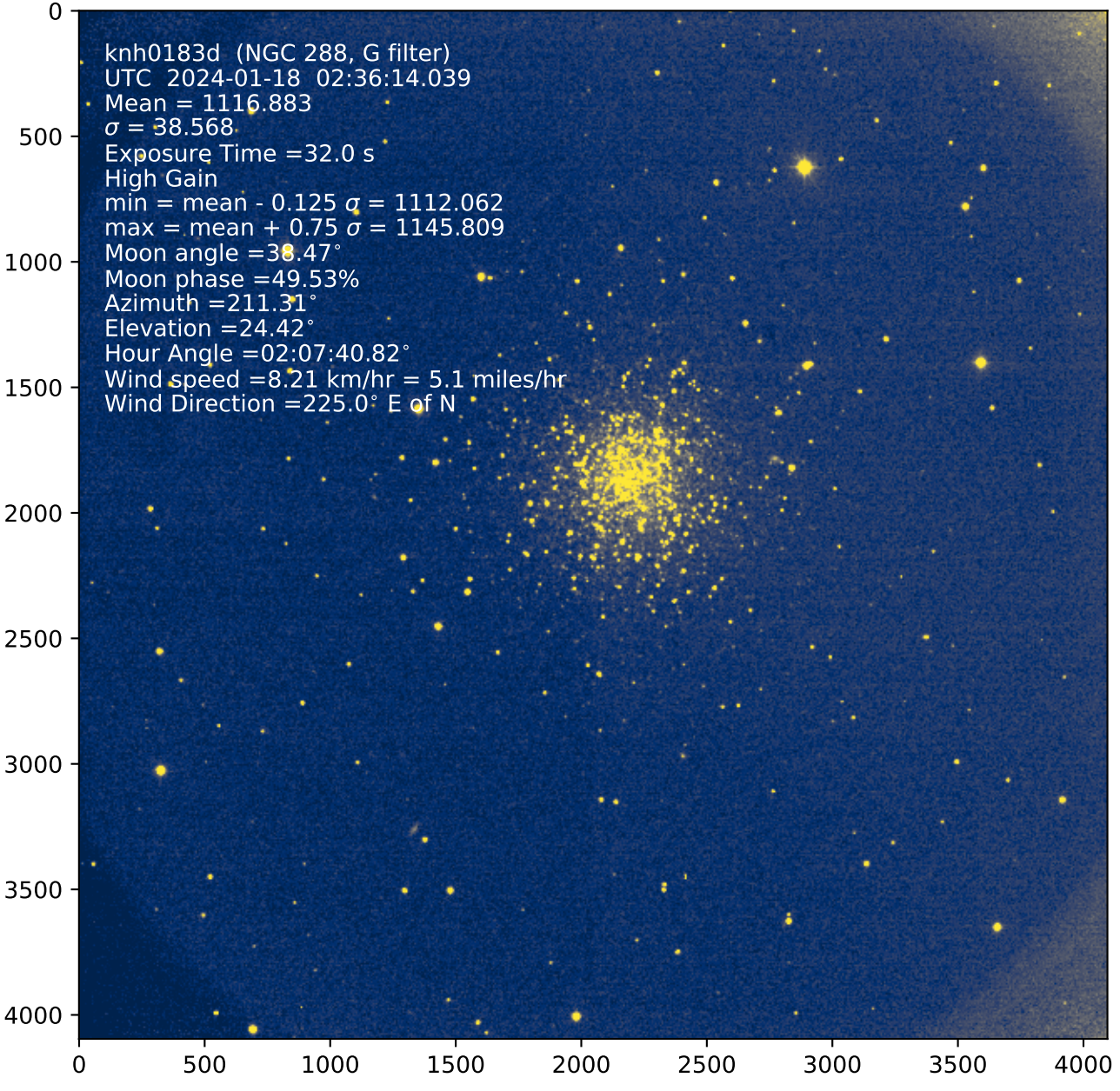
2500
3000
3500
4000


knh0183d (NGC 288, G filter)
UTC 2024-01-18 02:36:14.039
Mean = 1116.883
σ = 38.568
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1112.062
max = mean + 0.75 σ = 1145.809
Moon angle =38.47°
Moon phase =49.53%
Azimuth =211.31°
Elevation =24.42°
Hour Angle =02:07:40.82°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =225.0° E of N
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3500
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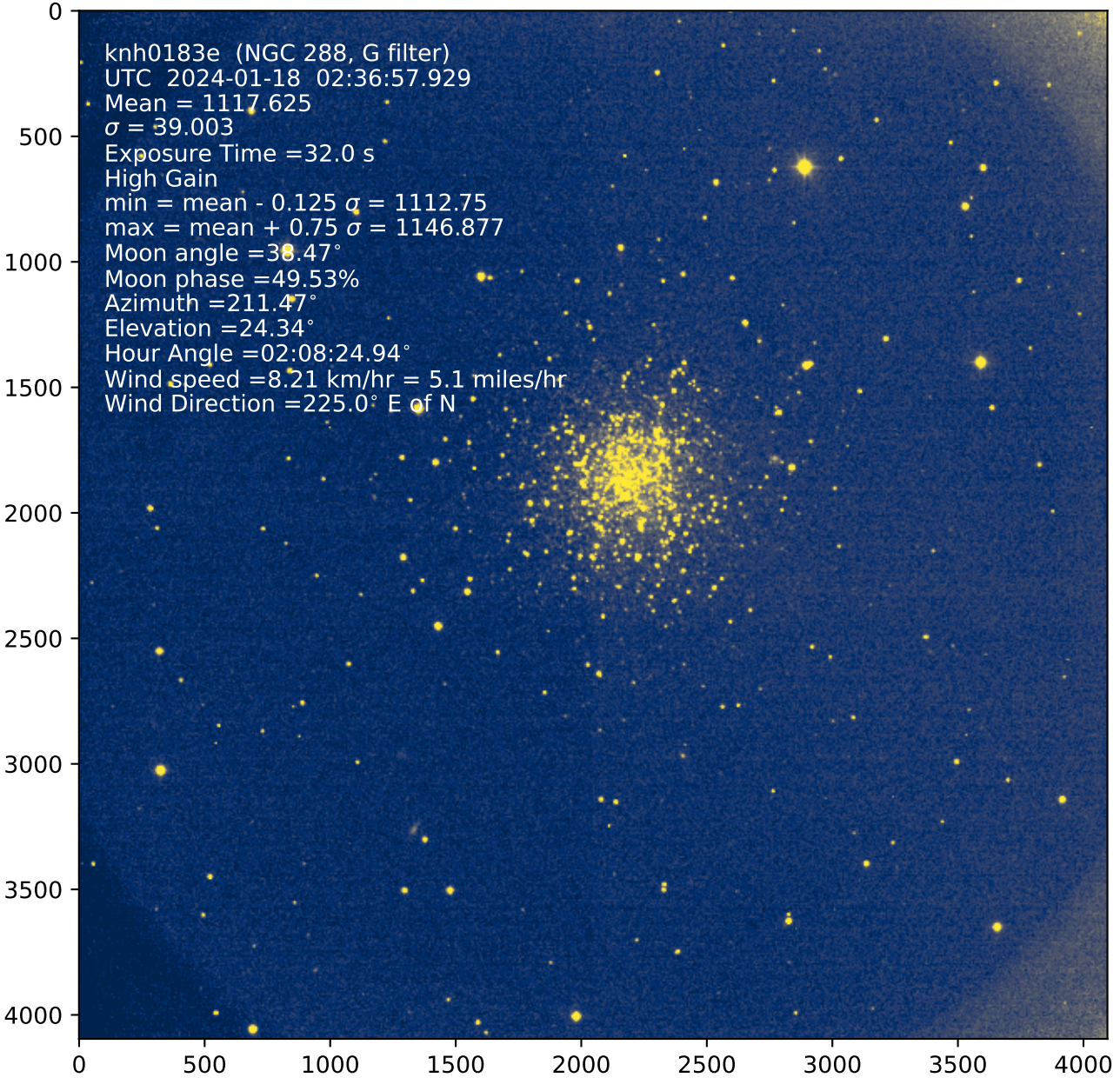
knh0183e (NGC 288, G filter)
UTC 2024-01-18 02:36:57.929
Mean = 1117.625
σ = 39.003
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1112.75
max = mean + 0.75 σ = 1146.877
Moon angle =38.47°
Moon phase =49.53%
Azimuth =211.47°
Elevation =24.34°
Hour Angle =02:08:24.94°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =225.0° E of N
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2500
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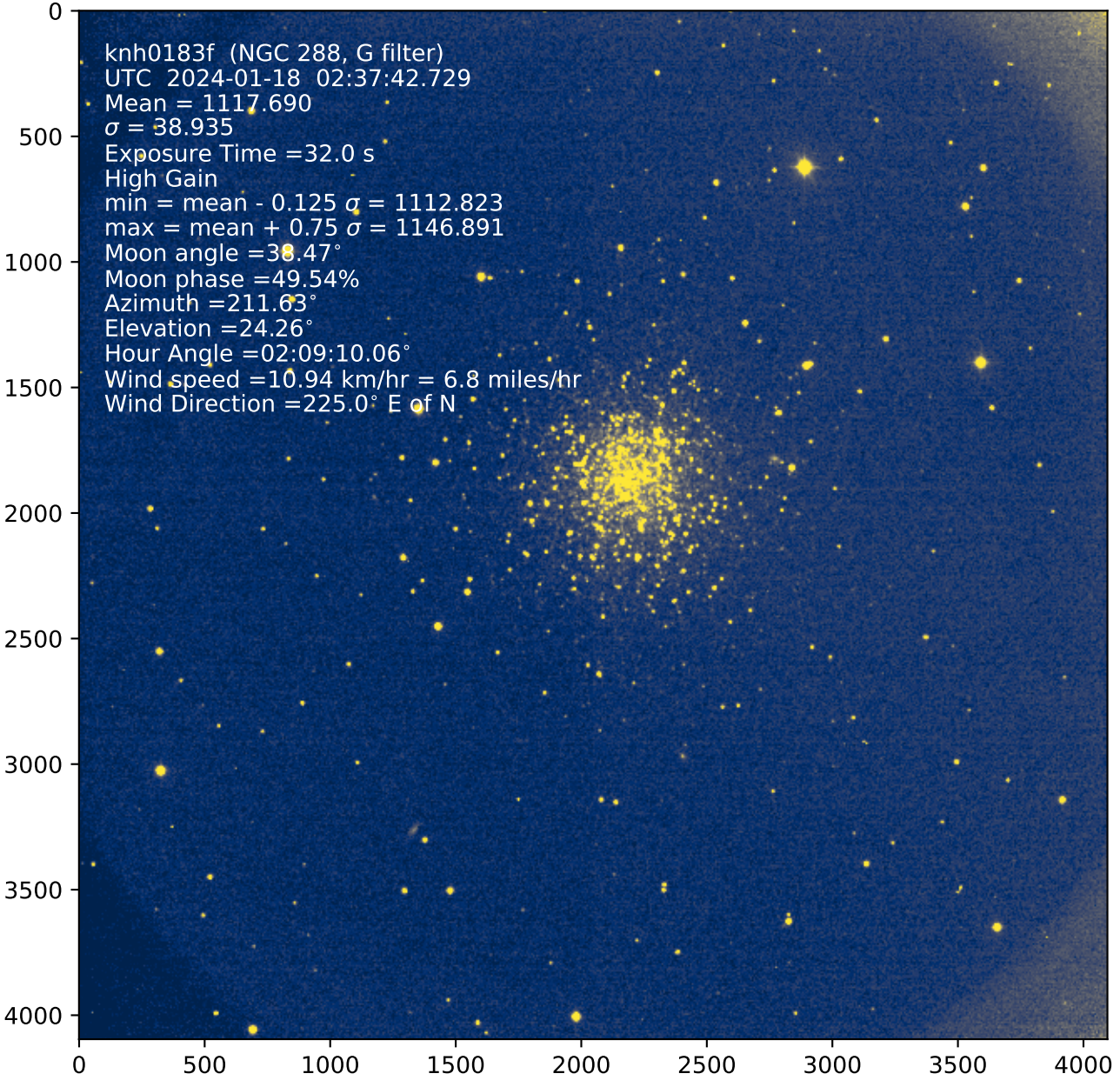
3500
4000


knh0183f (NGC 288, G filter)
UTC 2024-01-18 02:37:42.729
Mean = 1117.690
σ = 38.935
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1112.823
max = mean + 0.75 σ = 1146.891
Moon angle =38.47°
Moon phase =49.54%
Azimuth =211.63°
Elevation =24.26°
Hour Angle =02:09:10.06°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
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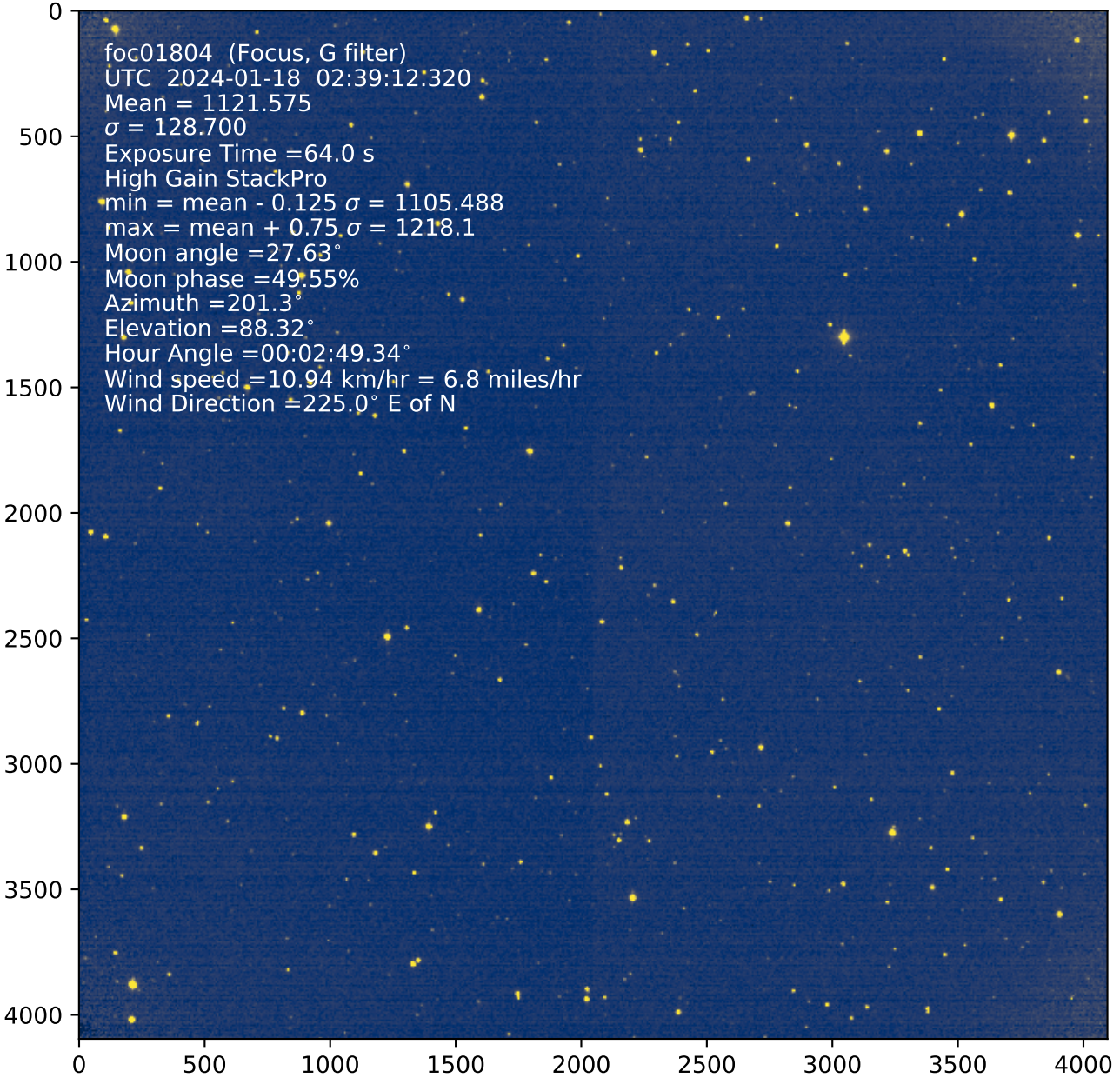
foc01804 (Focus, G filter)
UTC 2024-01-18 02:39:12.320
Mean = 1121.575
σ = 128.700
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1105.488
max = mean + 0.75 σ = 1218.1
Moon angle =27.63°
Moon phase =49.55%
Azimuth =201.3°
Elevation =88.32°
Hour Angle =00:02:49.34°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
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2500
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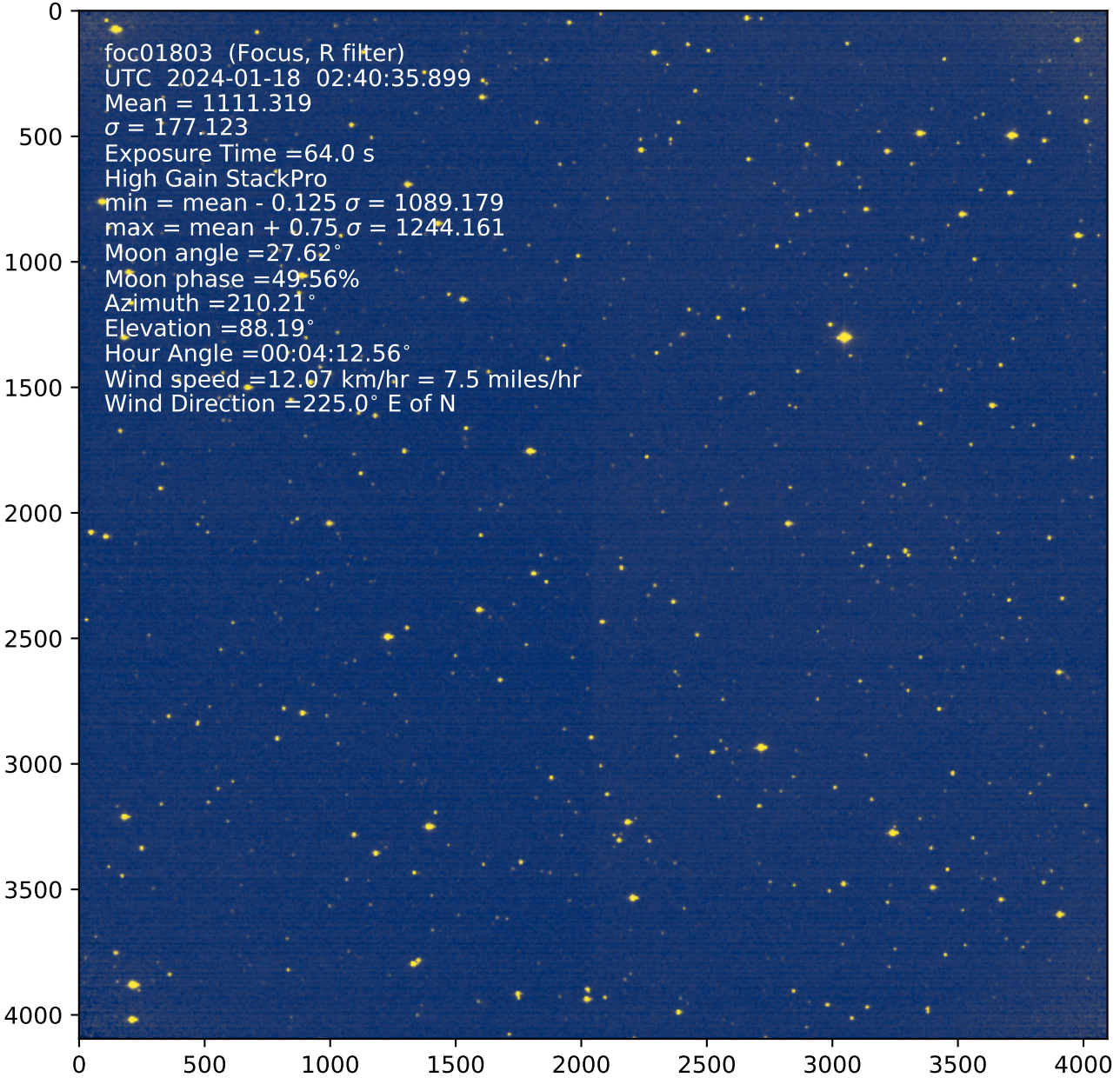
foc01803 (Focus, R filter)
UTC 2024-01-18 02:40:35.899
Mean = 1111.319
σ = 177.123
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1089.179
max = mean + 0.75 σ = 1244.161
Moon angle =27.62˚
Moon phase =49.56%
Azimuth =210.21˚
Elevation =88.19˚
Hour Angle =00:04:12.56˚
Wind speed =12.07 km/hr = 7.5 miles/hr
Wind Direction =225.0˚ E of N
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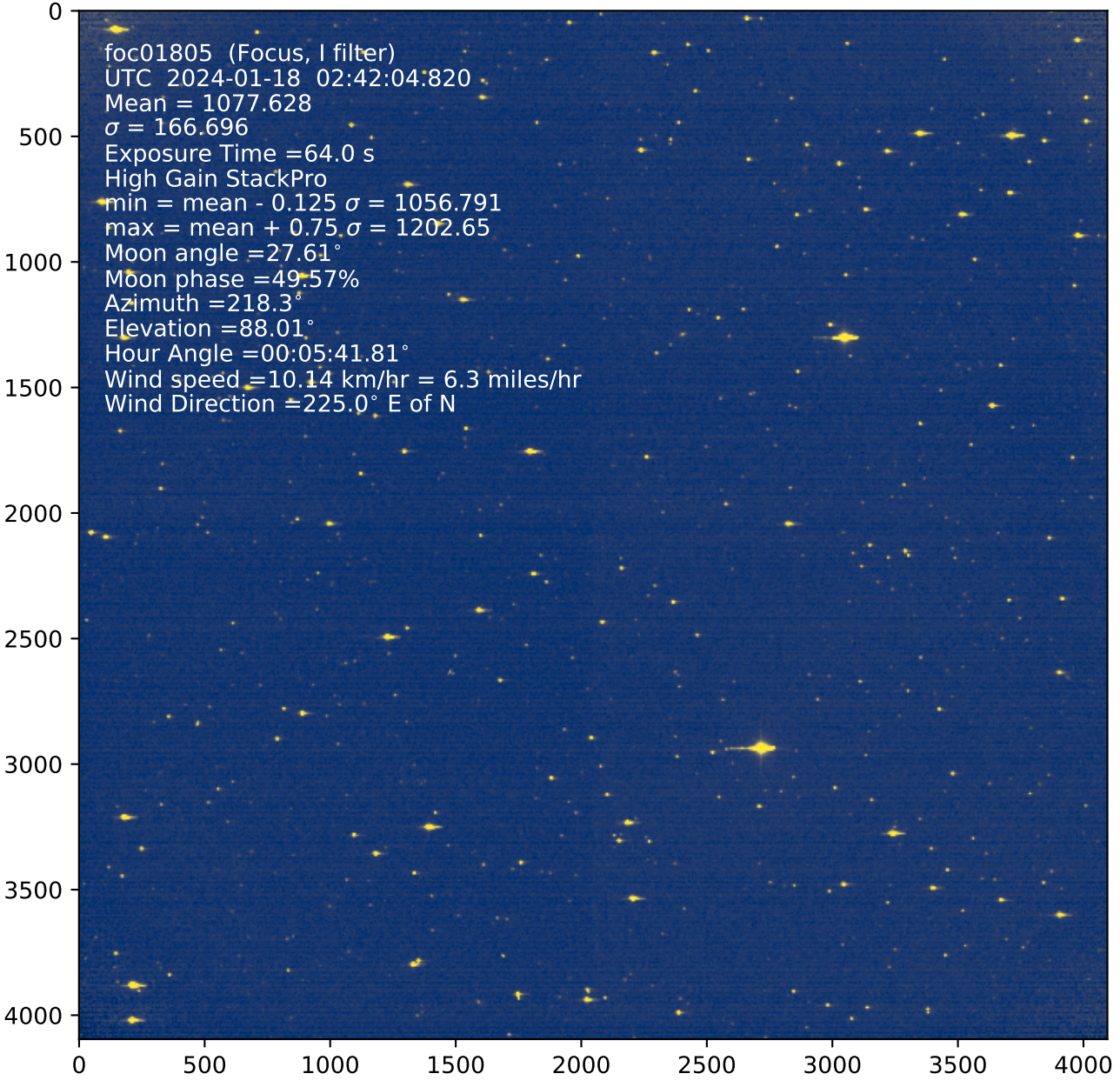
foc01805 (Focus, I filter)
UTC 2024-01-18 02:42:04.820
Mean = 1077.628
σ = 166.696
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1056.791
max = mean + 0.75 σ = 1202.65
Moon angle =27.61°
Moon phase =49.57%
Azimuth =218.3°
Elevation =88.01°
Hour Angle =00:05:41.81°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0° E of N
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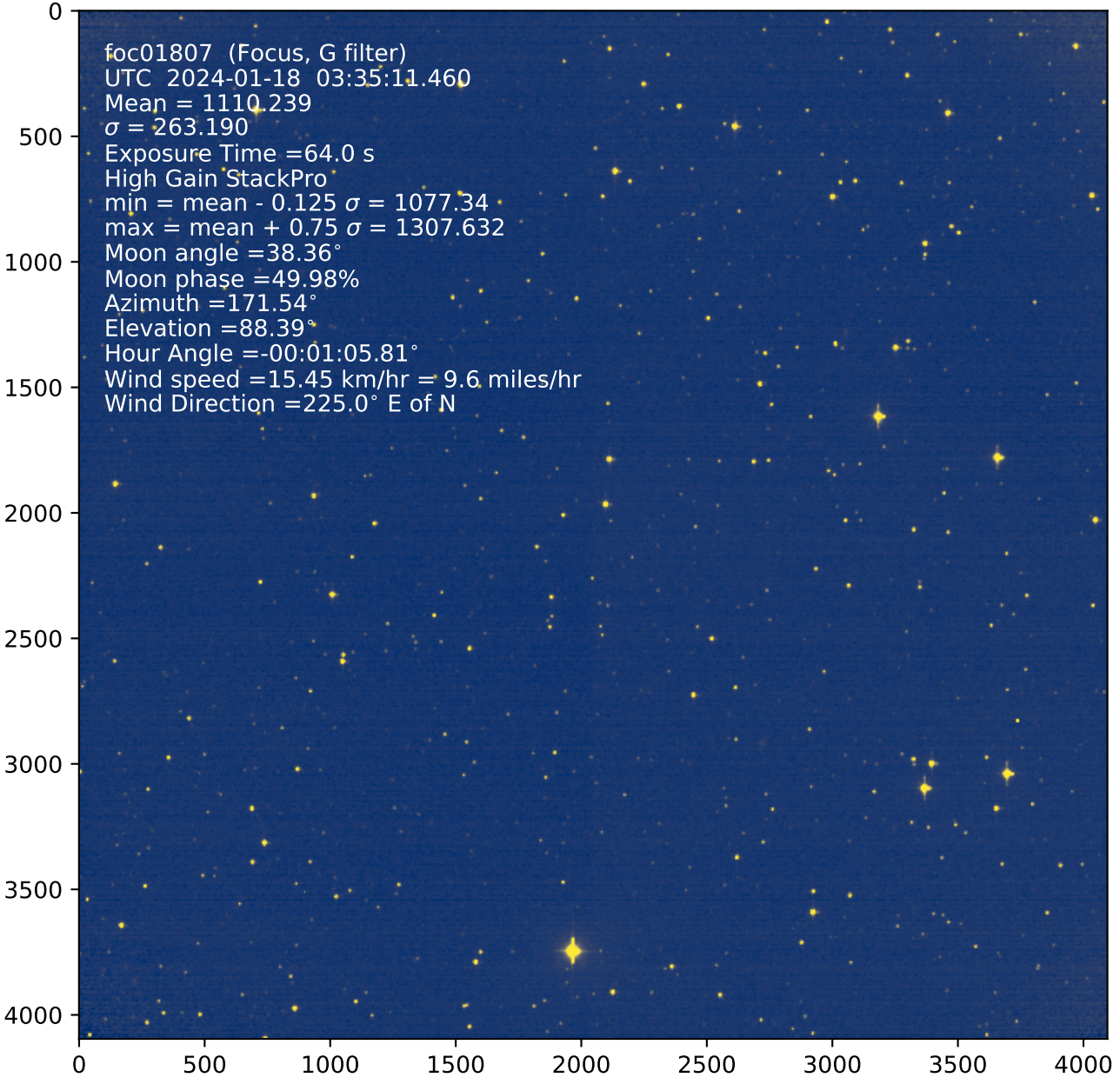
foc01807 (Focus, G filter)
UTC 2024-01-18 03:35:11.460
Mean = 1110.239
σ = 263.190
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1077.34
max = mean + 0.75 σ = 1307.632
Moon angle =38.36°
Moon phase =49.98%
Azimuth =171.54°
Elevation =88.39°
Hour Angle =-00:01:05.81°
Wind speed =15.45 km/hr = 9.6 miles/hr
Wind Direction =225.0° E of N
0
500
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2500
3000
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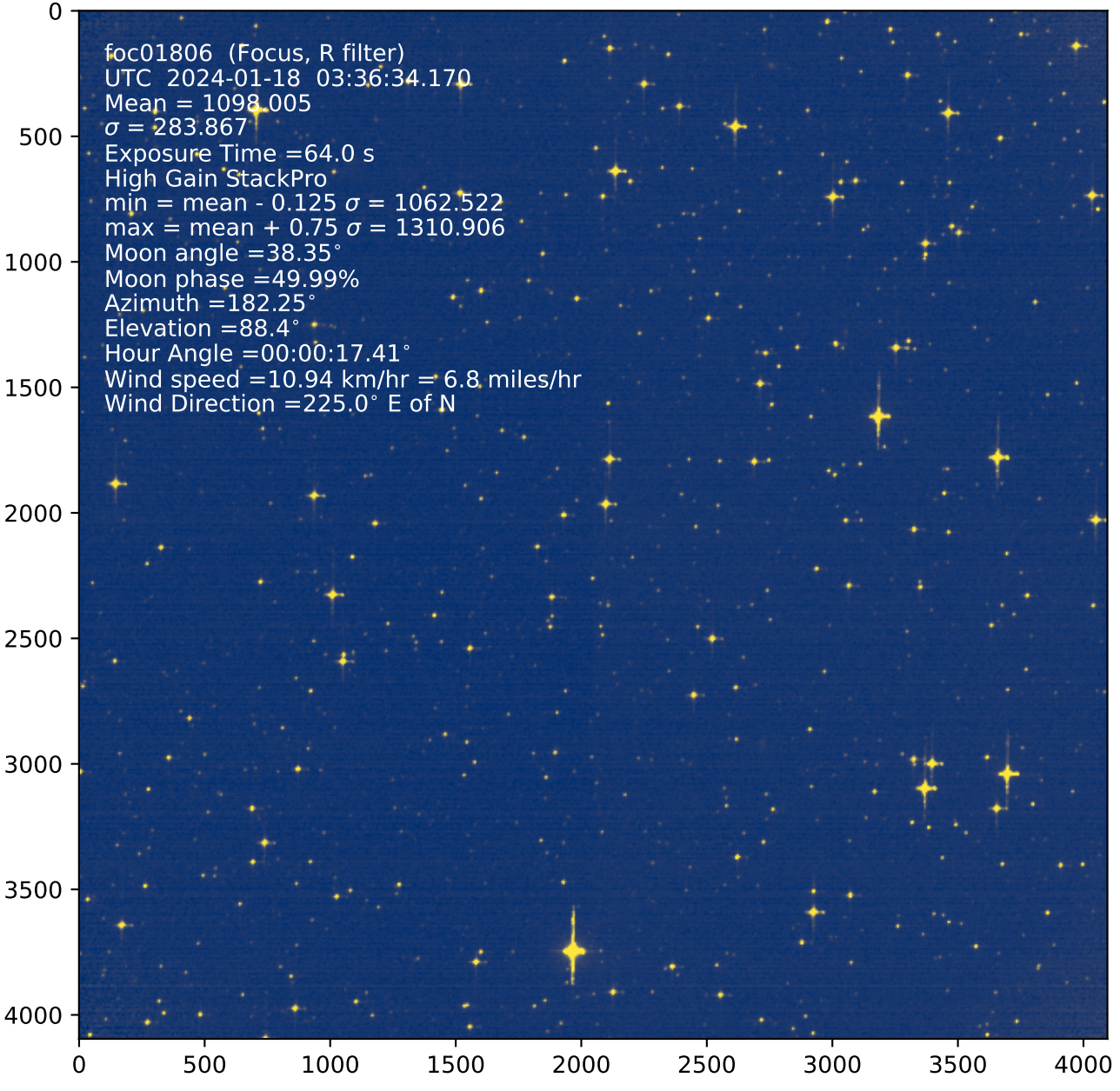
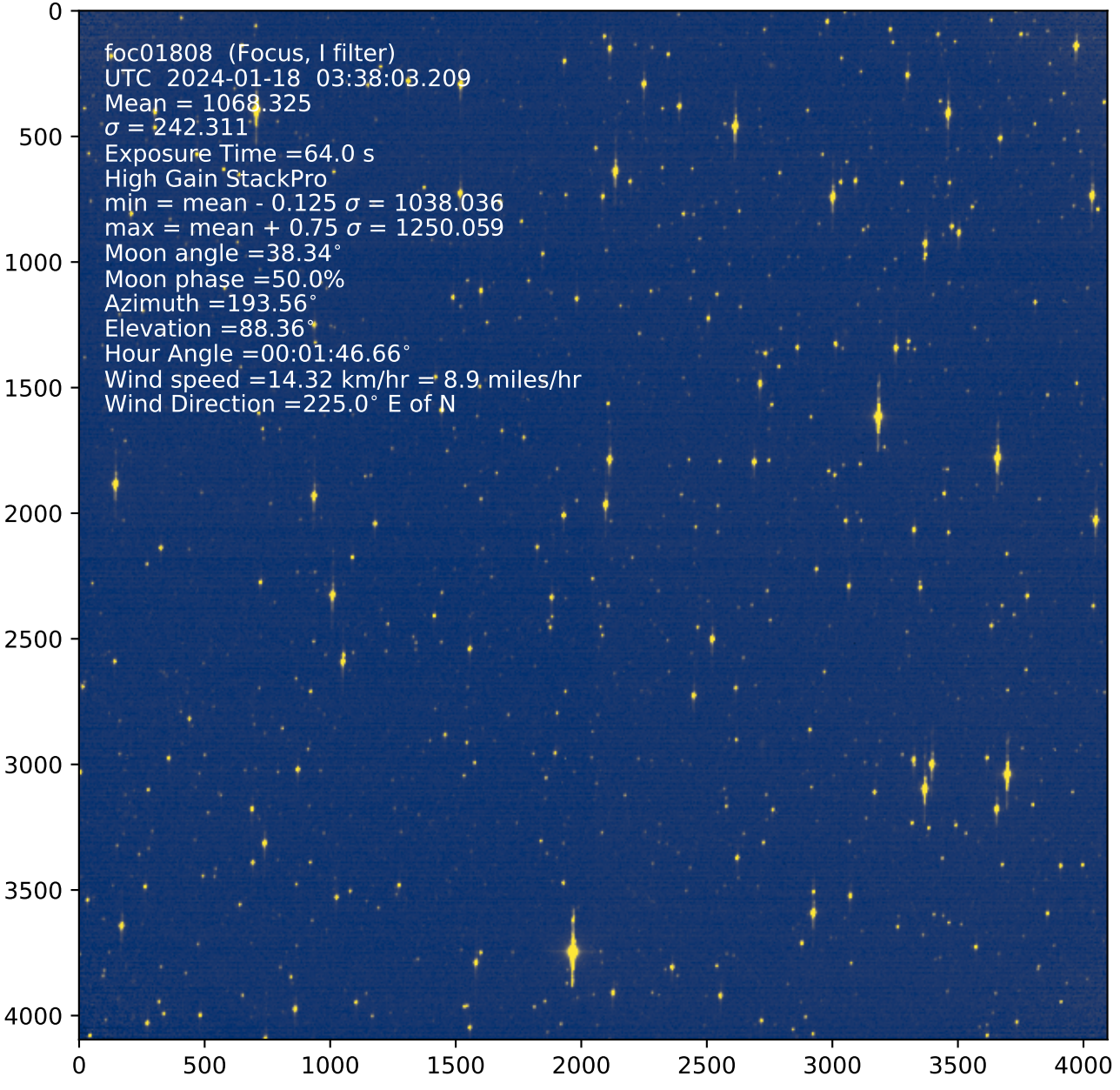
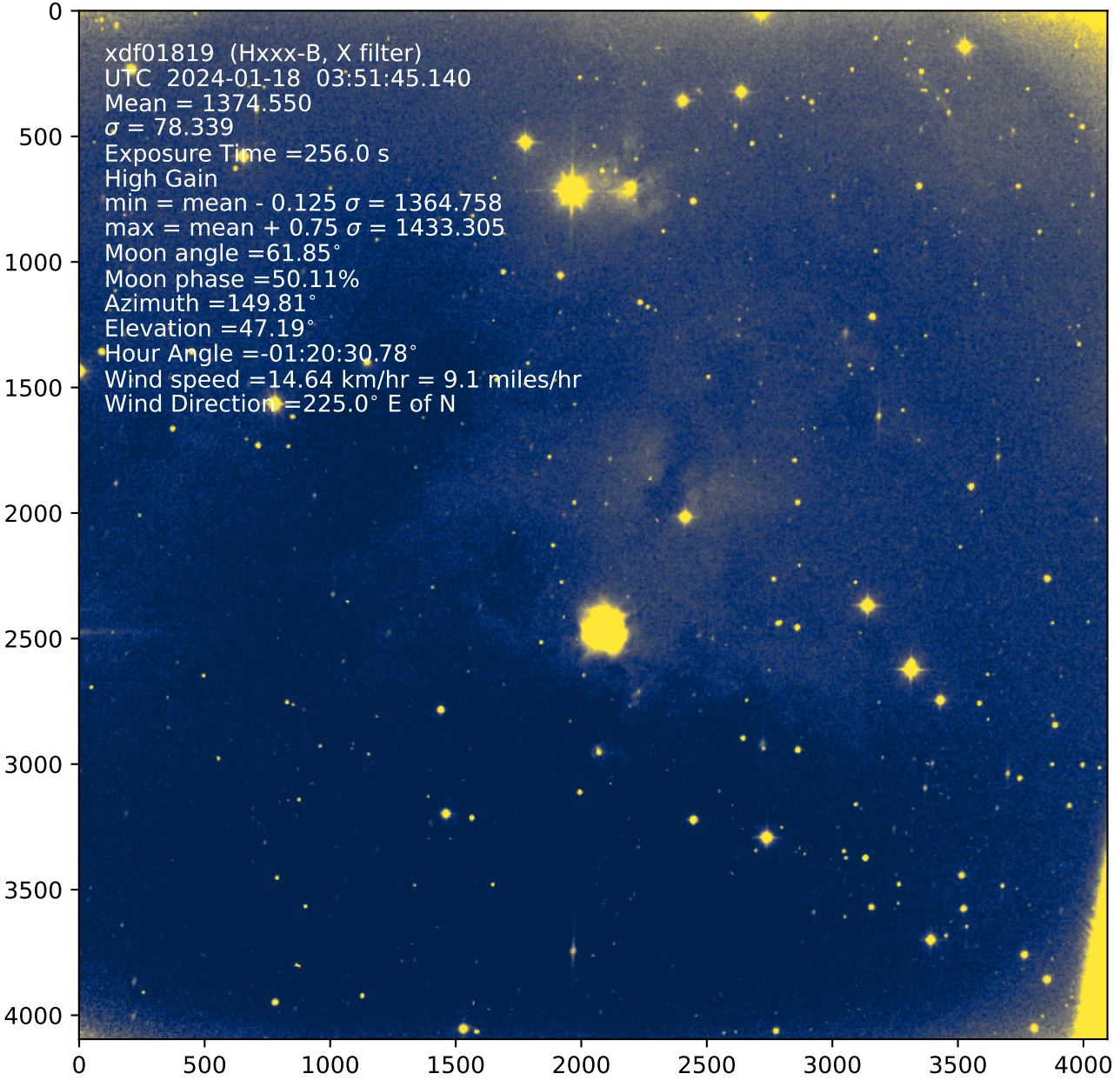
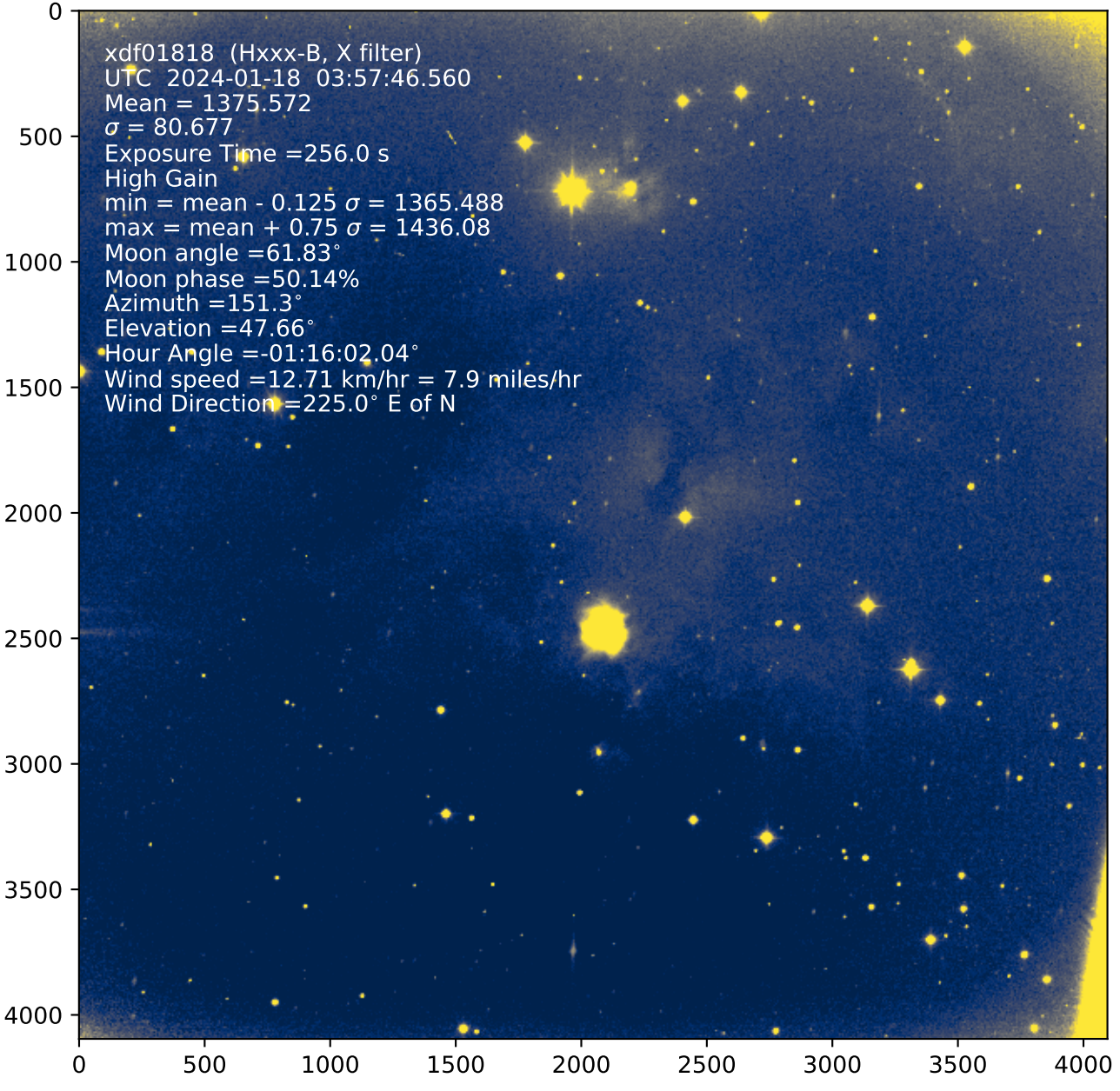
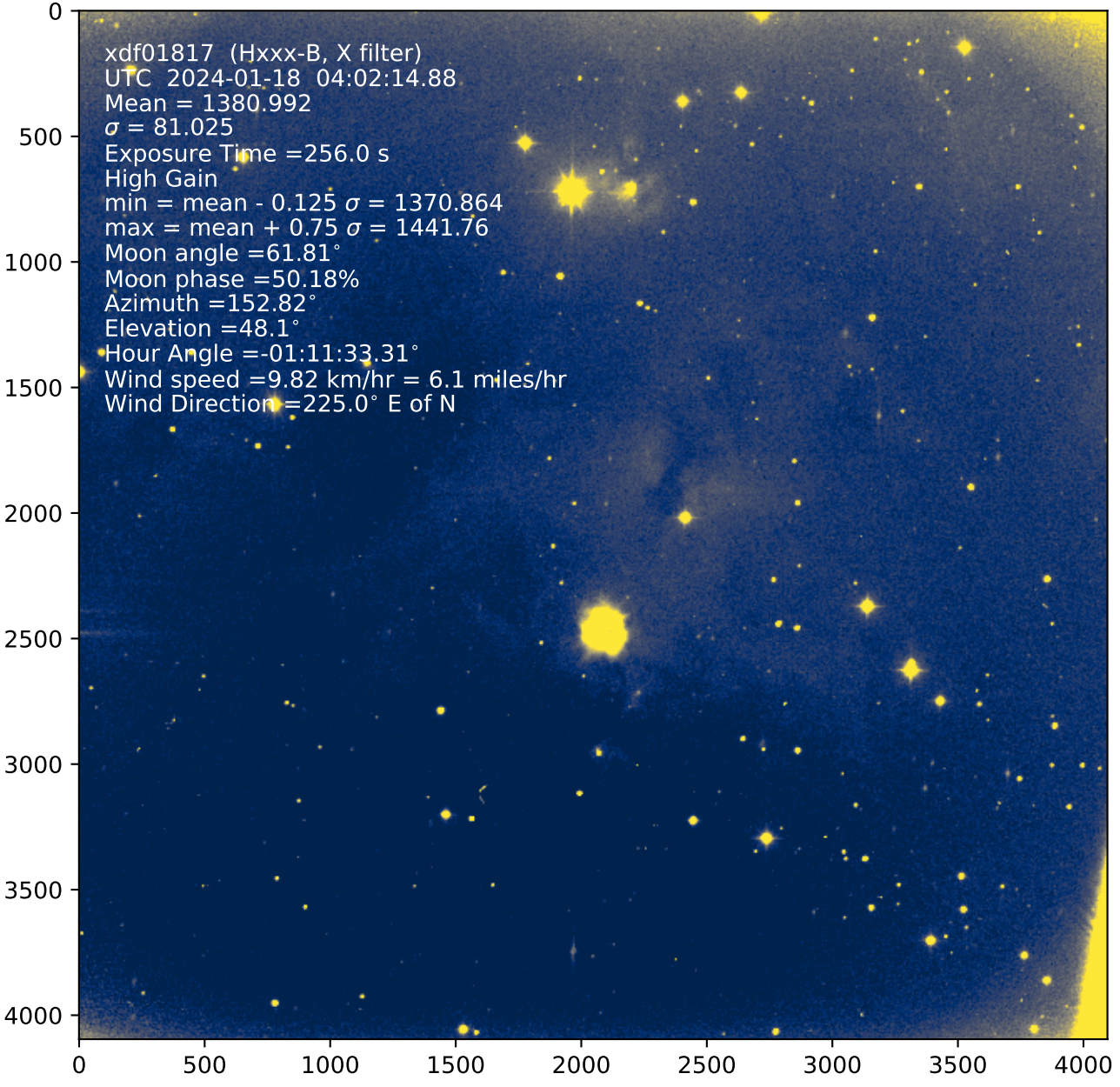
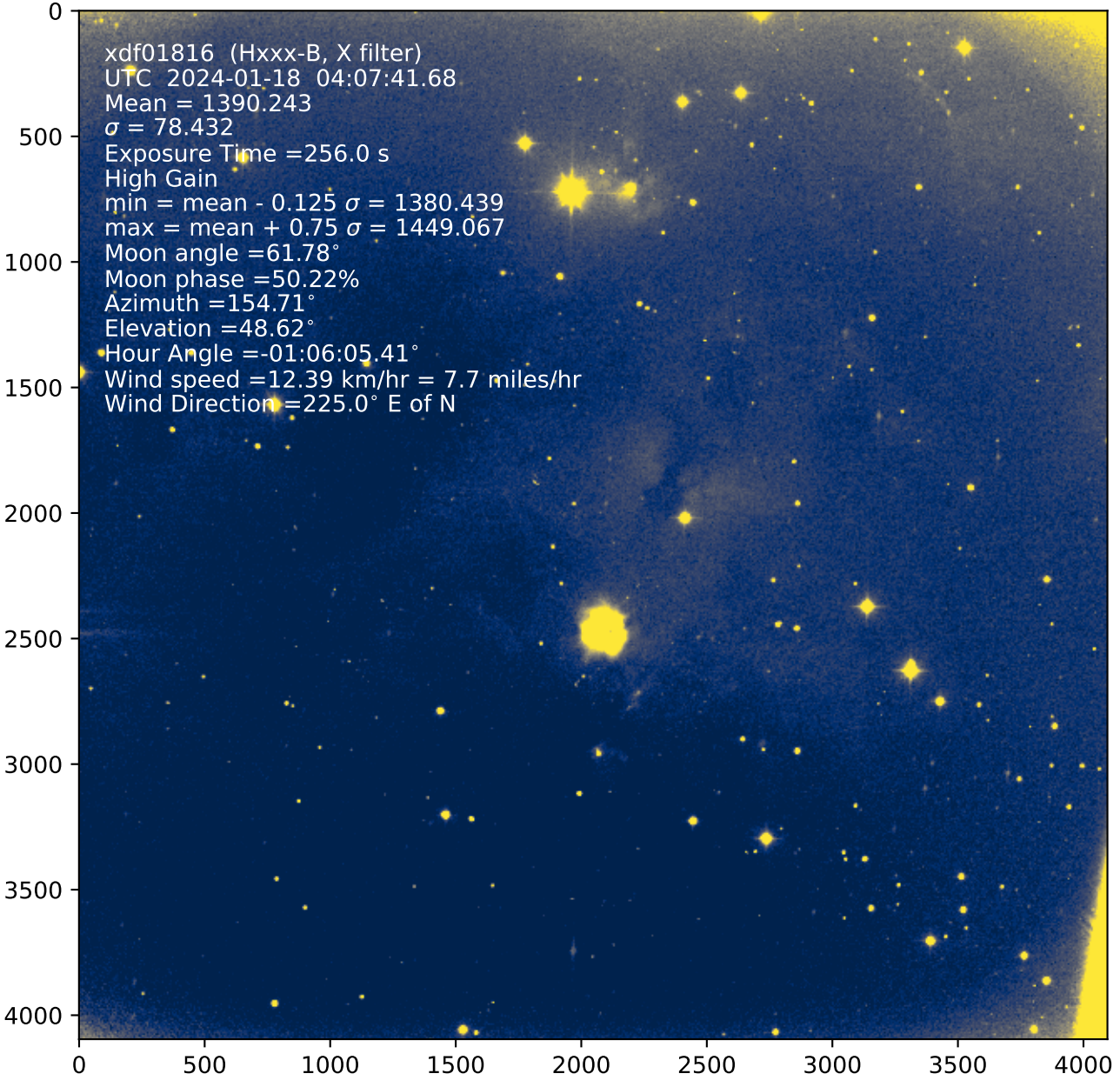

foc01806 (Focus, R filter)
UTC 2024-01-18 03:36:34.170
Mean = 1098.005
σ = 283.867
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1062.522
max = mean + 0.75 σ = 1310.906
Moon angle =38.35°
Moon phase =49.99%
Azimuth =182.25°
Elevation =88.4°
Hour Angle =00:00:17.41°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


foc01808 (Focus, I filter)
UTC 2024-01-18 03:38:03.209
Mean = 1068.325
σ = 242.311
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1038.036
max = mean + 0.75 σ = 1250.059
Moon angle =38.34°
Moon phase =50.0%
Azimuth =193.56°
Elevation =88.36°
Hour Angle =00:01:46.66°
Wind speed =14.32 km/hr = 8.9 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01819 (Hxxx-B, X filter)
UTC 2024-01-18 03:51:45.140
Mean = 1374.550
σ = 78.339
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1364.758
max = mean + 0.75 σ = 1433.305
Moon angle =61.85°
Moon phase =50.11%
Azimuth =149.81°
Elevation =47.19°
Hour Angle =-01:20:30.78°
Wind speed =14.64 km/hr = 9.1 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01818 (Hxxx-B, X filter)
UTC 2024-01-18 03:57:46.560
Mean = 1375.572
σ = 80.677
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1365.488
max = mean + 0.75 σ = 1436.08
Moon angle =61.83˚
Moon phase =50.14%
Azimuth =151.3˚
Elevation =47.66˚
Hour Angle =-01:16:02.04˚
Wind speed =12.71 km/hr = 7.9 miles/hr
Wind Direction =225.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01817 (Hxxx-B, X filter)
UTC 2024-01-18 04:02:14.88
Mean = 1380.992
σ = 81.025
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1370.864
max = mean + 0.75 σ = 1441.76
Moon angle =61.81°
Moon phase =50.18%
Azimuth =152.82°
Elevation =48.1°
Hour Angle =-01:11:33.31°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01816 (Hxxx-B, X filter)
UTC 2024-01-18 04:07:41.68
Mean = 1390.243
σ = 78.432
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1380.439
max = mean + 0.75 σ = 1449.067
Moon angle =61.78˚
Moon phase =50.22%
Azimuth =154.71˚
Elevation =48.62˚
Hour Angle =-01:06:05.41˚
Wind speed =12.39 km/hr = 7.7 miles/hr
Wind Direction =225.0˚ E of N
0
500
1000
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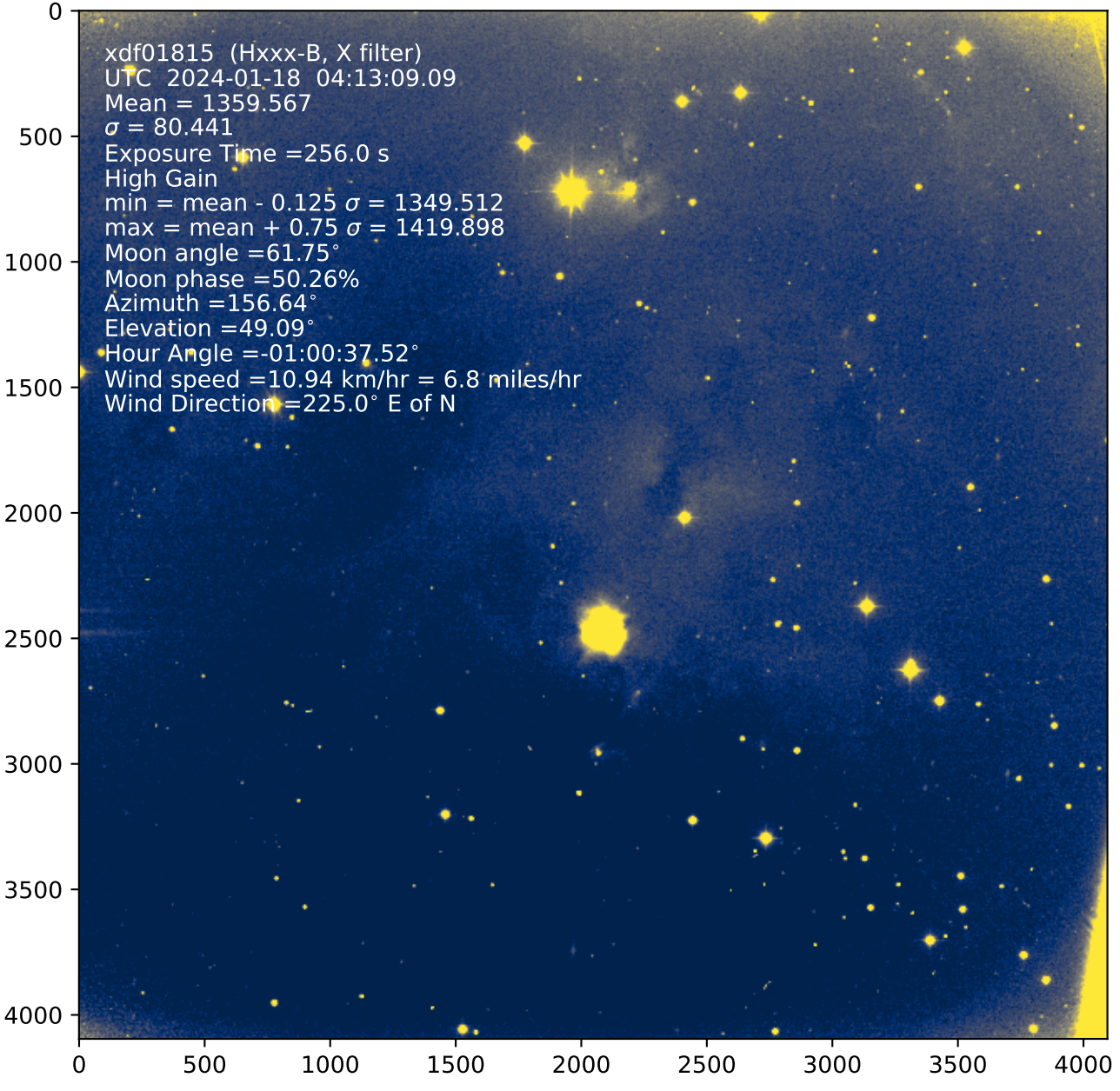
2500
3000
3500
4000


xdf01815 (Hxxx-B, X filter)
UTC 2024-01-18 04:13:09.09
Mean = 1359.567
σ = 80.441
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1349.512
max = mean + 0.75 σ = 1419.898
Moon angle =61.75°
Moon phase =50.26%
Azimuth =156.64°
Elevation =49.09°
Hour Angle =-01:00:37.52°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
0
500
1000
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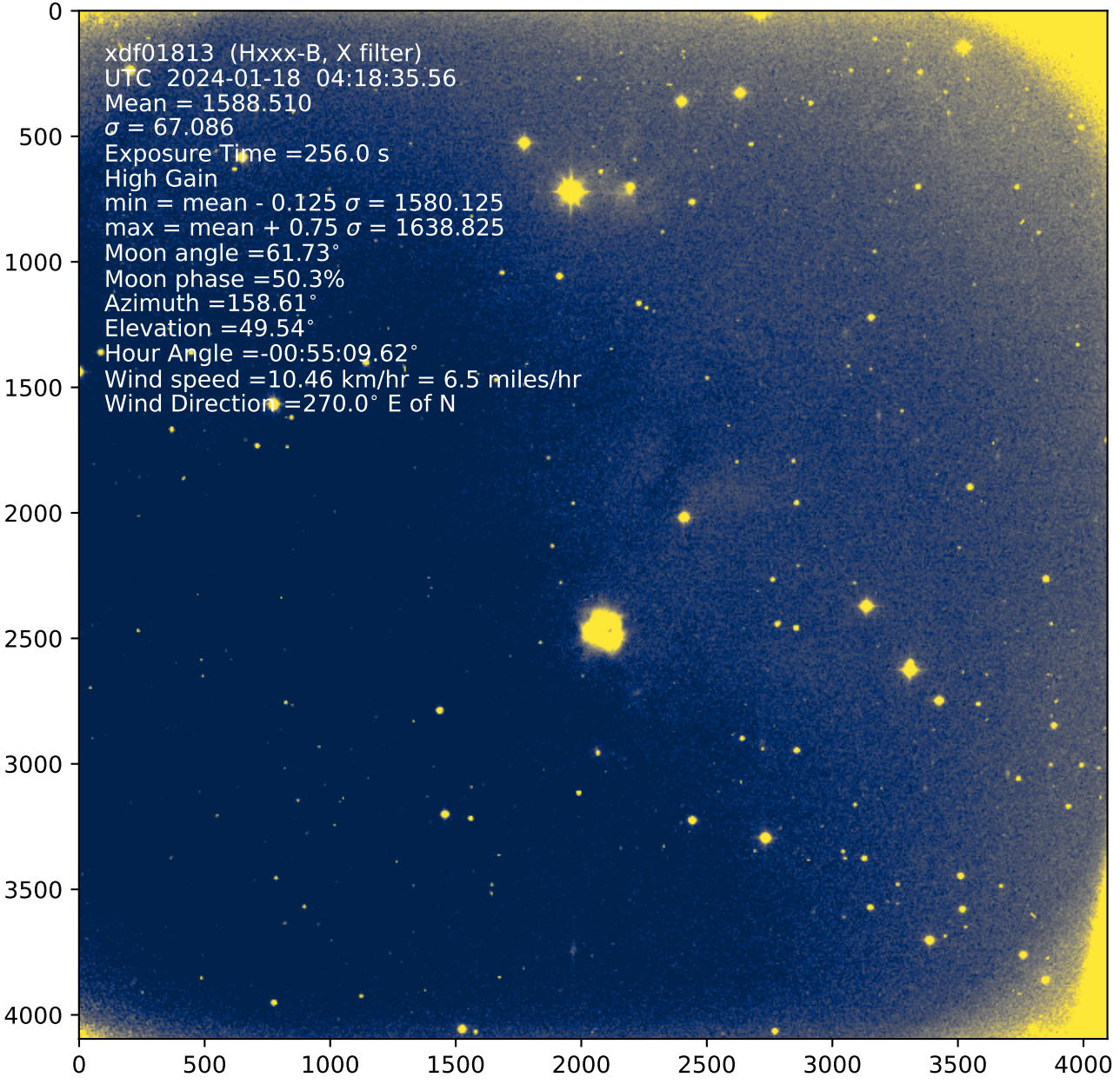
2500
3000
3500
4000


xdf01813 (Hxxx-B, X filter)
UTC 2024-01-18 04:18:35.56
Mean = 1588.510
σ = 67.086
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1580.125
max = mean + 0.75 σ = 1638.825
Moon angle =61.73°
Moon phase =50.3%
Azimuth =158.61°
Elevation =49.54°
Hour Angle =-00:55:09.62°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =270.0° E of N
0
500
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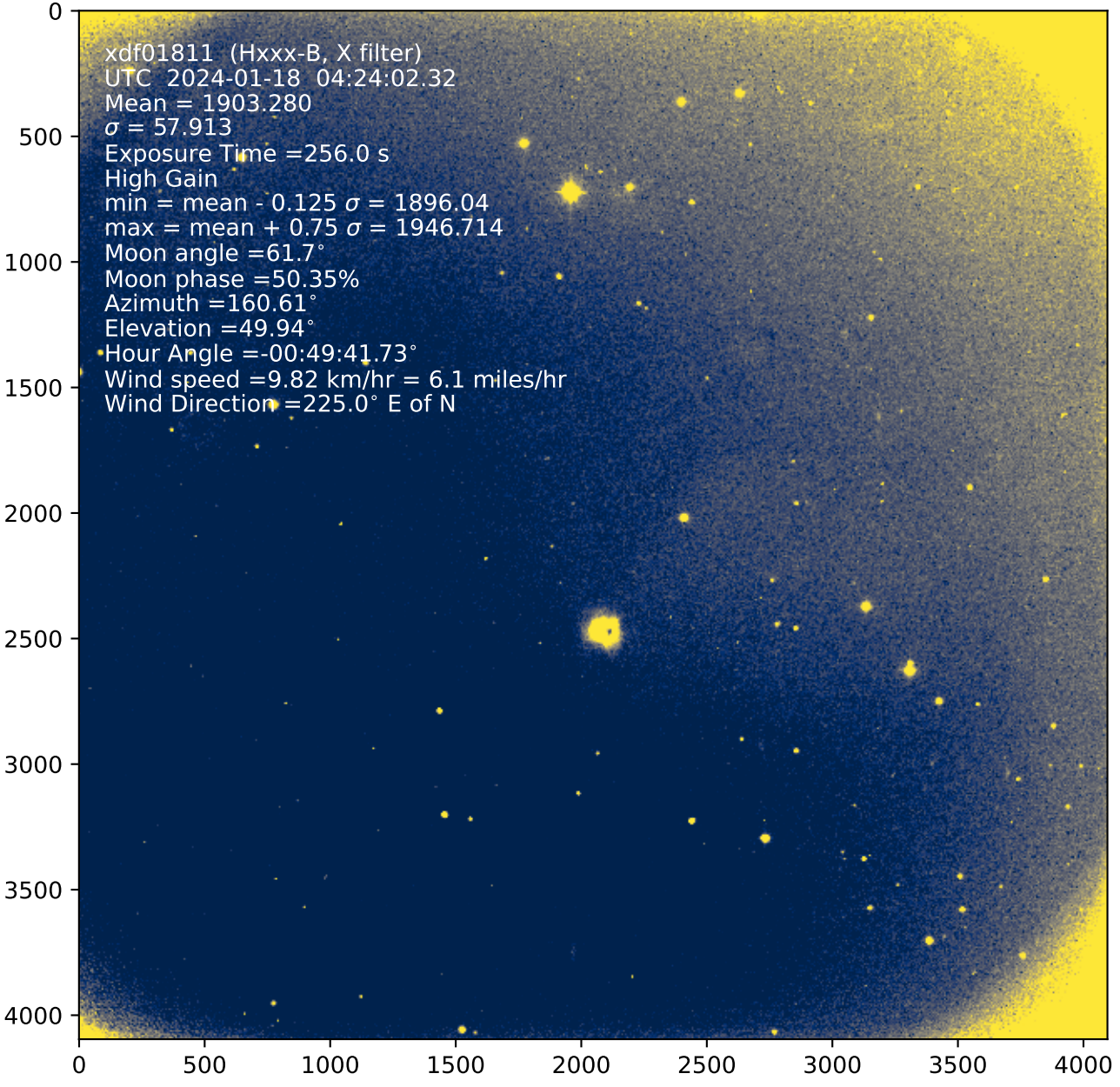
1500
2000
2500
3000
3500
4000


xdf01811 (Hxxx-B, X filter)
UTC 2024-01-18 04:24:02.32
Mean = 1903.280
σ = 57.913
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1896.04
max = mean + 0.75 σ = 1946.714
Moon angle =61.7°
Moon phase =50.35%
Azimuth =160.61°
Elevation =49.94°
Hour Angle =-00:49:41.73°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
0
500
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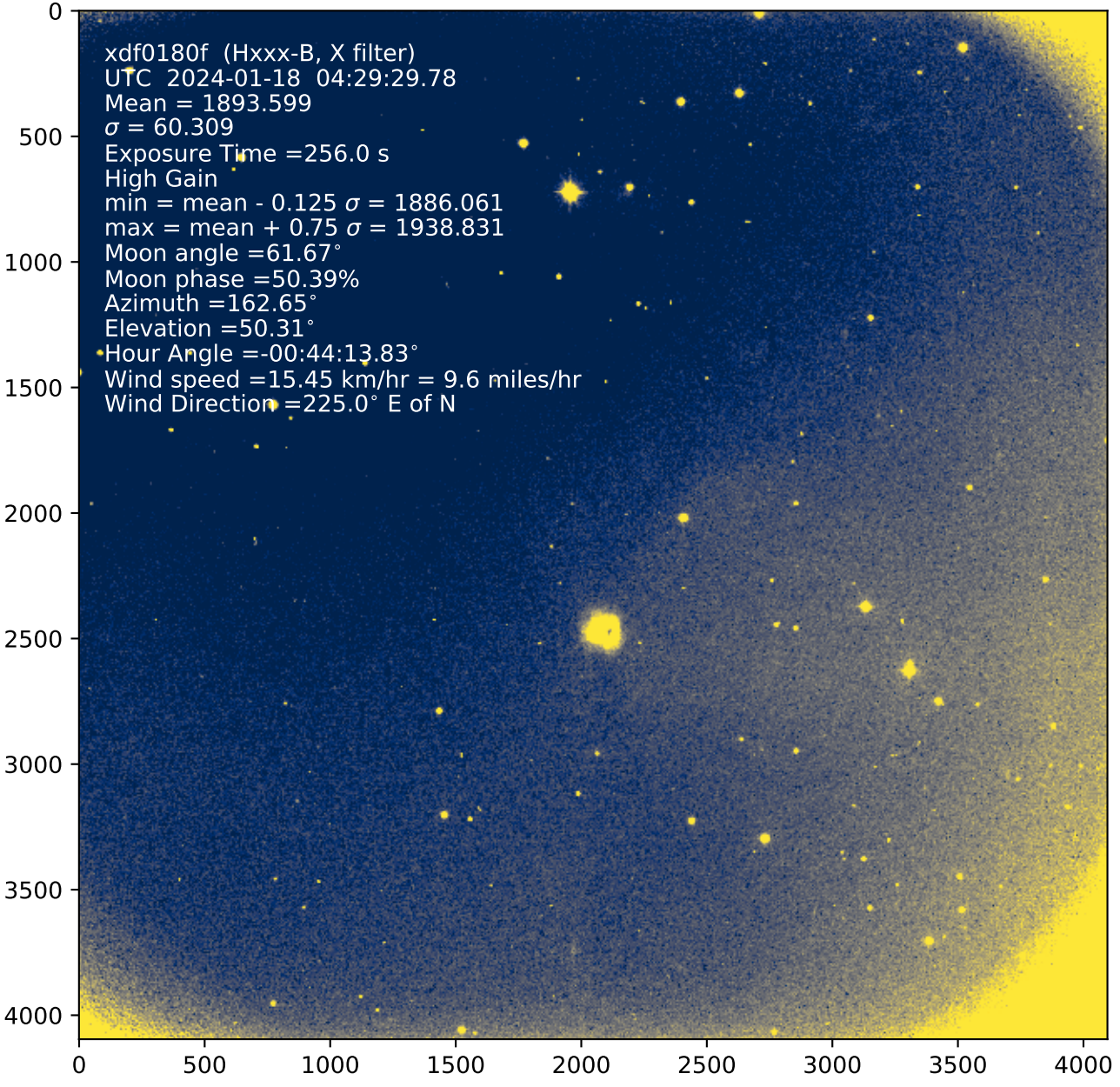
1500
2000
2500
3000
3500
4000


xdf0180f (Hxxx-B, X filter)
UTC 2024-01-18 04:29:29.78
Mean = 1893.599
σ = 60.309
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1886.061
max = mean + 0.75 σ = 1938.831
Moon angle =61.67°
Moon phase =50.39%
Azimuth =162.65°
Elevation =50.31°
Hour Angle =-00:44:13.83°
Wind speed =15.45 km/hr = 9.6 miles/hr
Wind Direction =225.0° E of N
0
500
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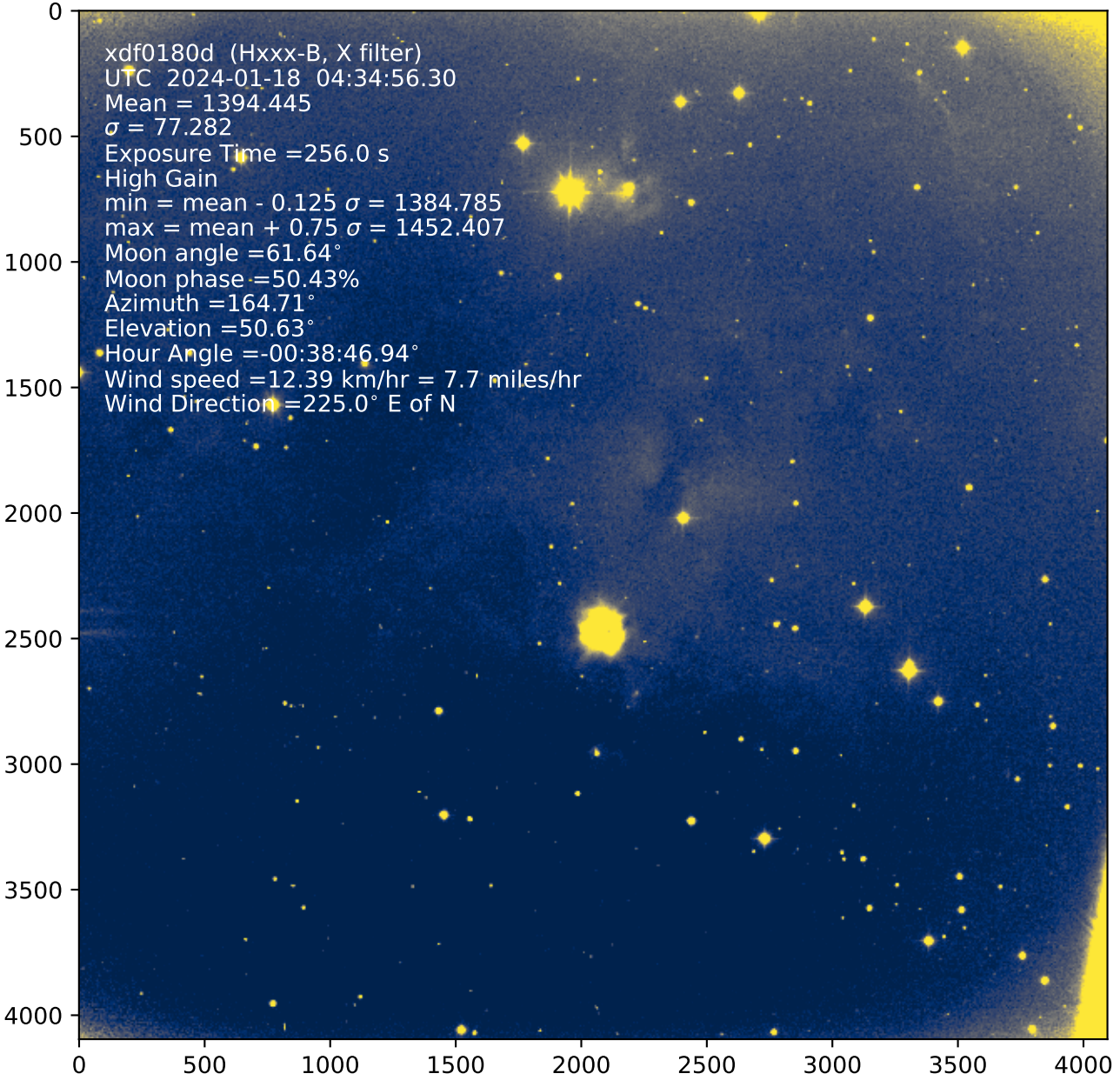
2000
2500
3000
3500
4000


xdf0180d (Hxxx-B, X filter)
UTC 2024-01-18 04:34:56.30
Mean = 1394.445
σ = 77.282
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1384.785
max = mean + 0.75 σ = 1452.407
Moon angle =61.64°
Moon phase =50.43%
Azimuth =164.71°
Elevation =50.63°
Hour Angle =-00:38:46.94°
Wind speed =12.39 km/hr = 7.7 miles/hr
Wind Direction =225.0° E of N
0
500
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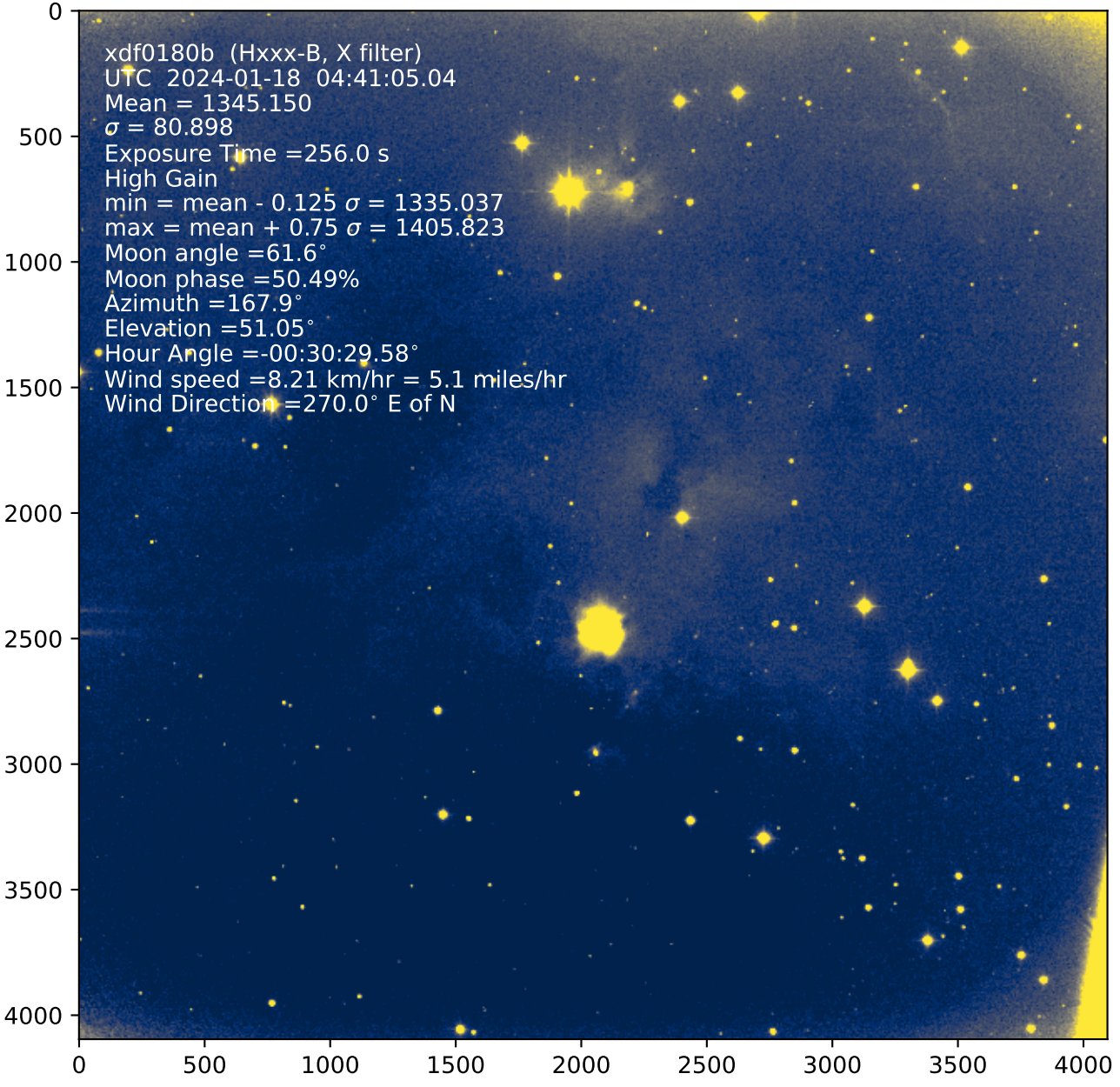
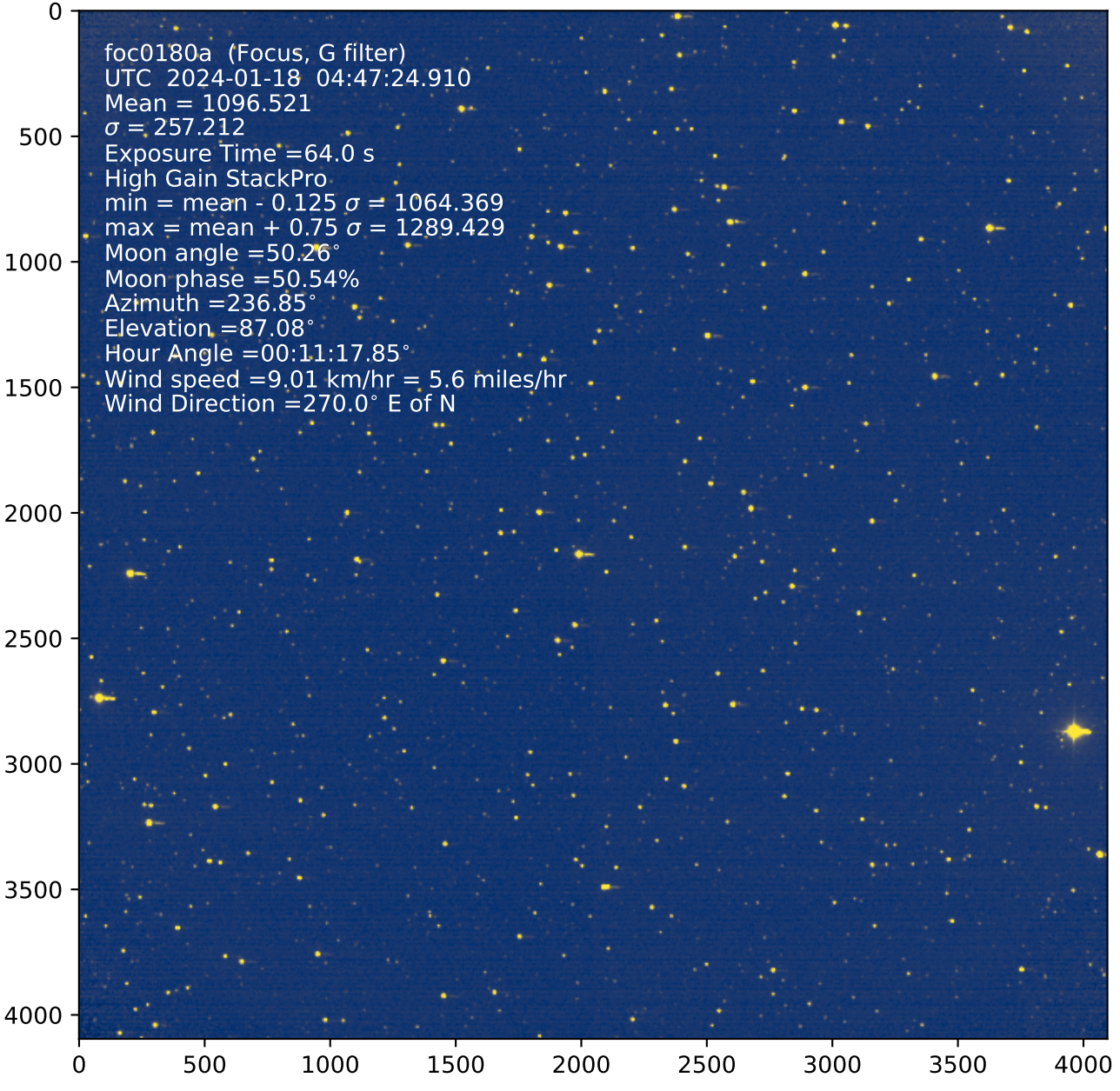
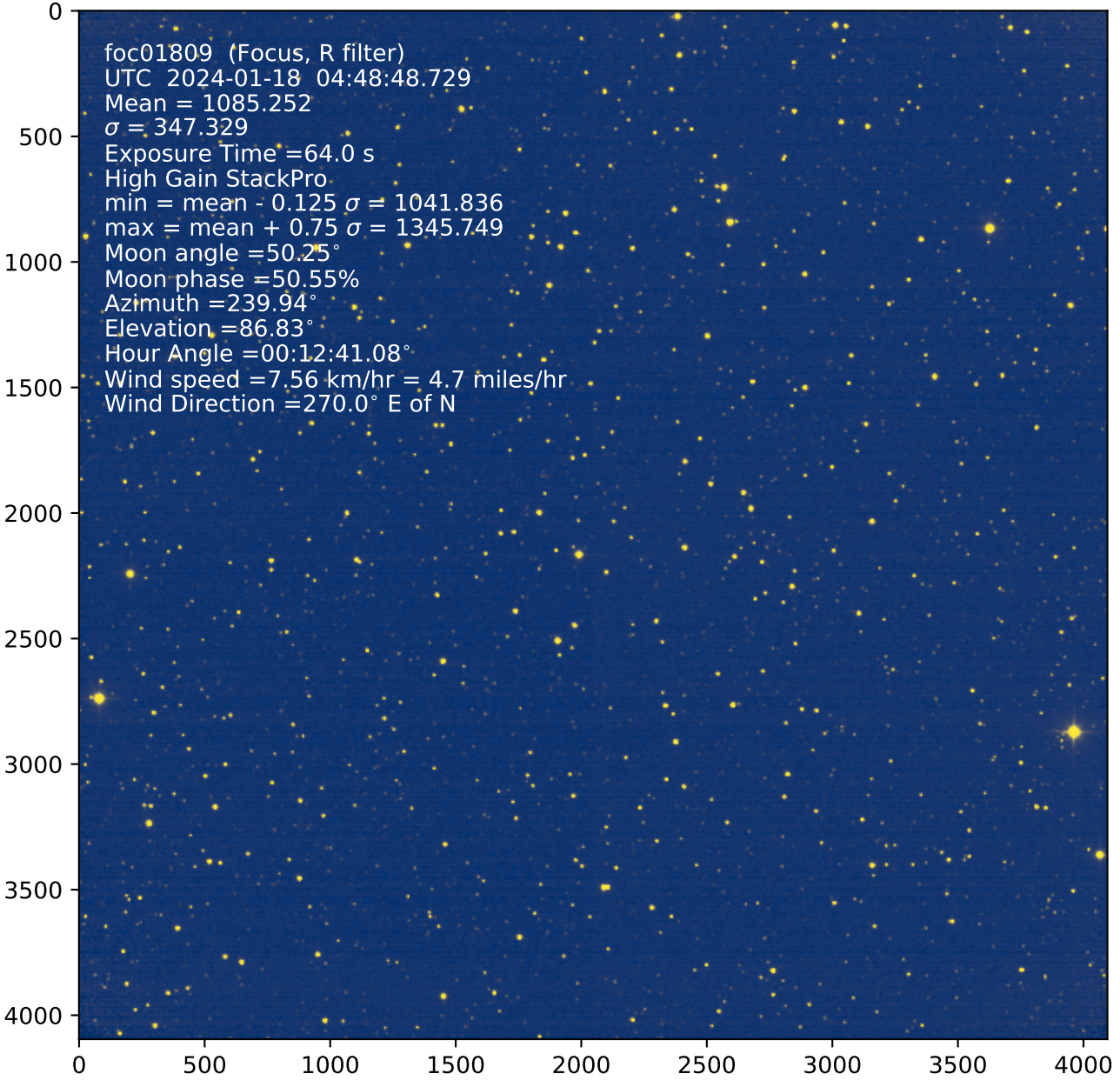
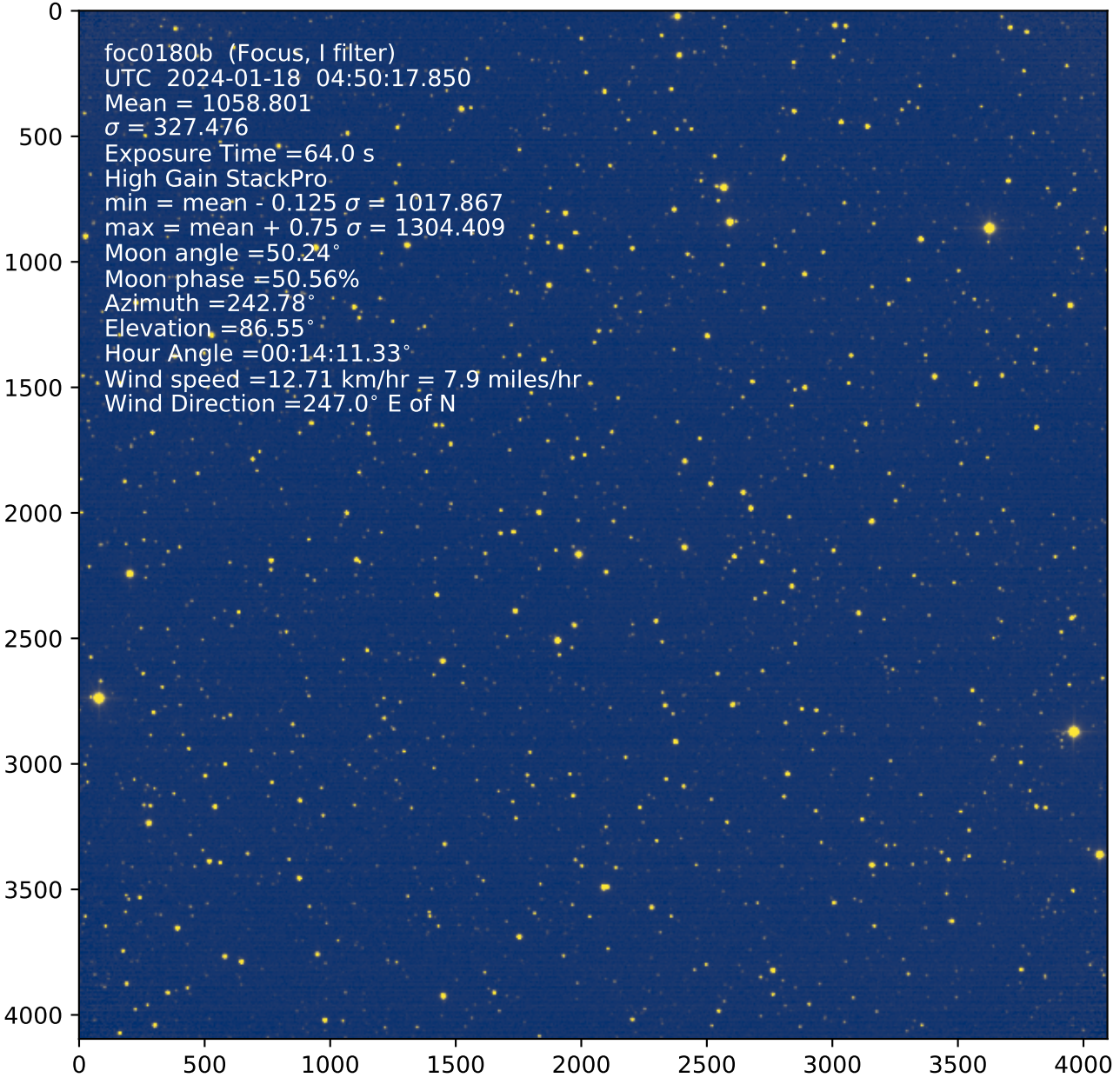
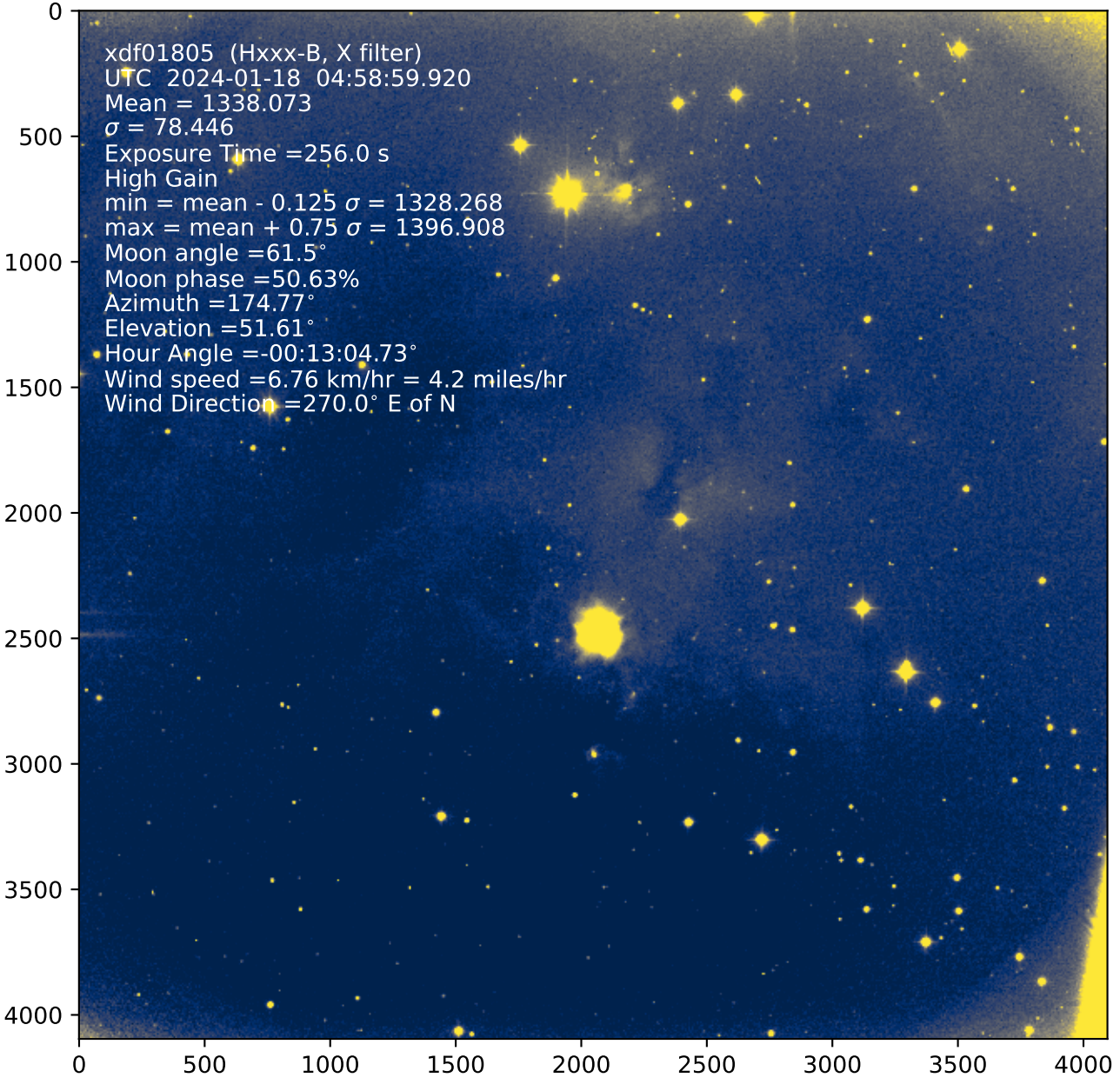
2500
3000
3500
4000

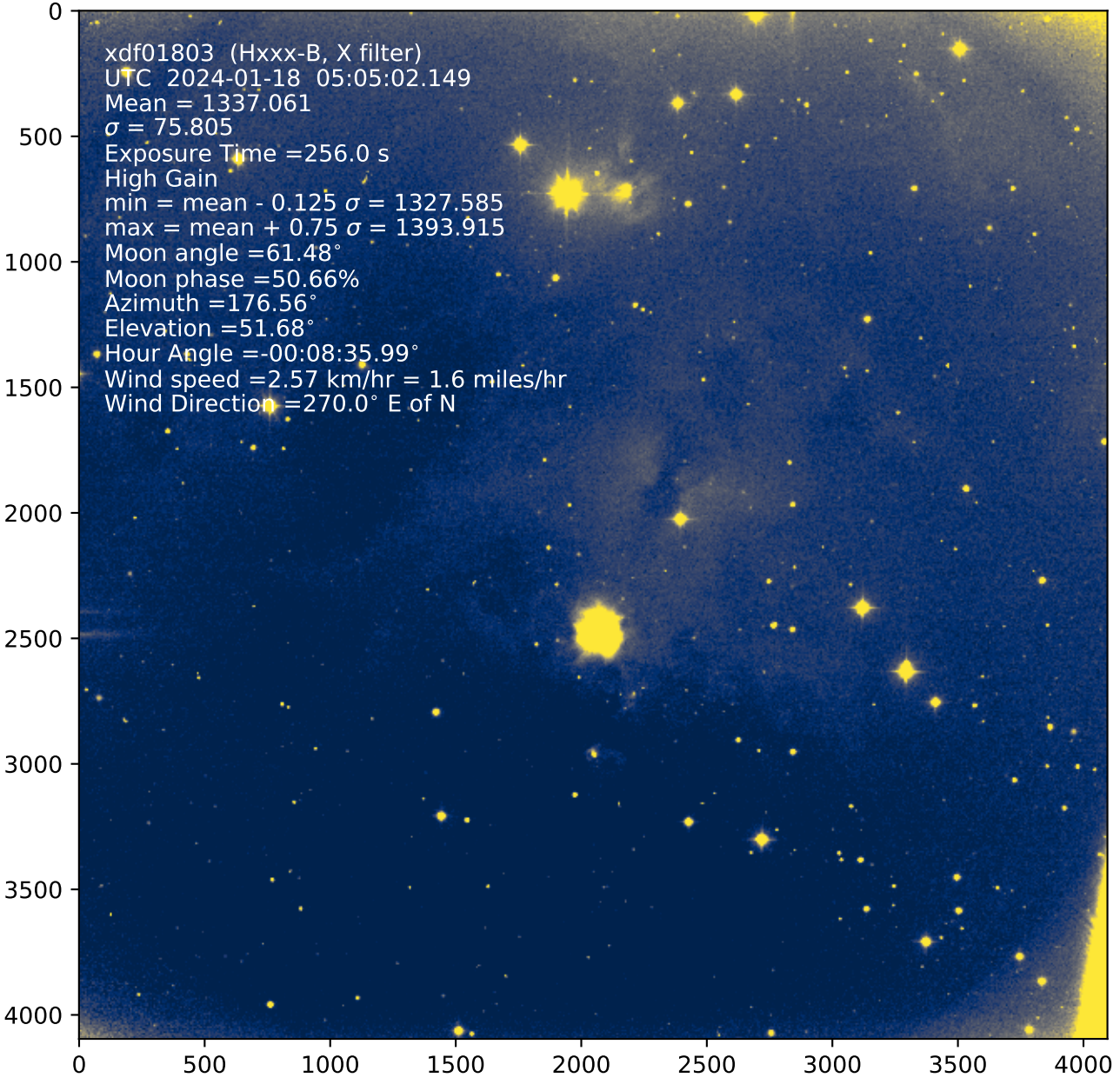

xdf0180b (Hxxx-B, X filter)
UTC 2024-01-18 04:41:05.04
Mean = 1345.150
σ = 80.898
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1335.037
max = mean + 0.75 σ = 1405.823
Moon angle =61.6˚
Moon phase =50.49%
Azimuth =167.9˚
Elevation =51.05˚
Hour Angle =-00:30:29.58˚
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =270.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000


foc0180a (Focus, G filter)
UTC 2024-01-18 04:47:24.910
Mean = 1096.521
σ = 257.212
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1064.369
max = mean + 0.75 σ = 1289.429
Moon angle =50.26°
Moon phase =50.54%
Azimuth =236.85°
Elevation =87.08°
Hour Angle =00:11:17.85°
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =270.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


foc01809 (Focus, R filter)
UTC 2024-01-18 04:48:48.729
Mean = 1085.252
σ = 347.329
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1041.836
max = mean + 0.75 σ = 1345.749
Moon angle =50.25°
Moon phase =50.55%
Azimuth =239.94°
Elevation =86.83°
Hour Angle =00:12:41.08°
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


foc0180b (Focus, I filter)
UTC 2024-01-18 04:50:17.850
Mean = 1058.801
σ = 327.476
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1017.867
max = mean + 0.75 σ = 1304.409
Moon angle =50.24°
Moon phase =50.56%
Azimuth =242.78°
Elevation =86.55°
Hour Angle =00:14:11.33°
Wind speed =12.71 km/hr = 7.9 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01805 (Hxxx-B, X filter)
UTC 2024-01-18 04:58:59.920
Mean = 1338.073
σ = 78.446
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1328.268
max = mean + 0.75 σ = 1396.908
Moon angle =61.5°
Moon phase =50.63%
Azimuth =174.77°
Elevation =51.61°
Hour Angle =-00:13:04.73°
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


xdf01803 (Hxxx-B, X filter)
UTC 2024-01-18 05:05:02.149
Mean = 1337.061
σ = 75.805
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1327.585
max = mean + 0.75 σ = 1393.915
Moon angle =61.48°
Moon phase =50.66%
Azimuth =176.56°
Elevation =51.68°
Hour Angle =-00:08:35.99°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =270.0° E of N
0
500
1000
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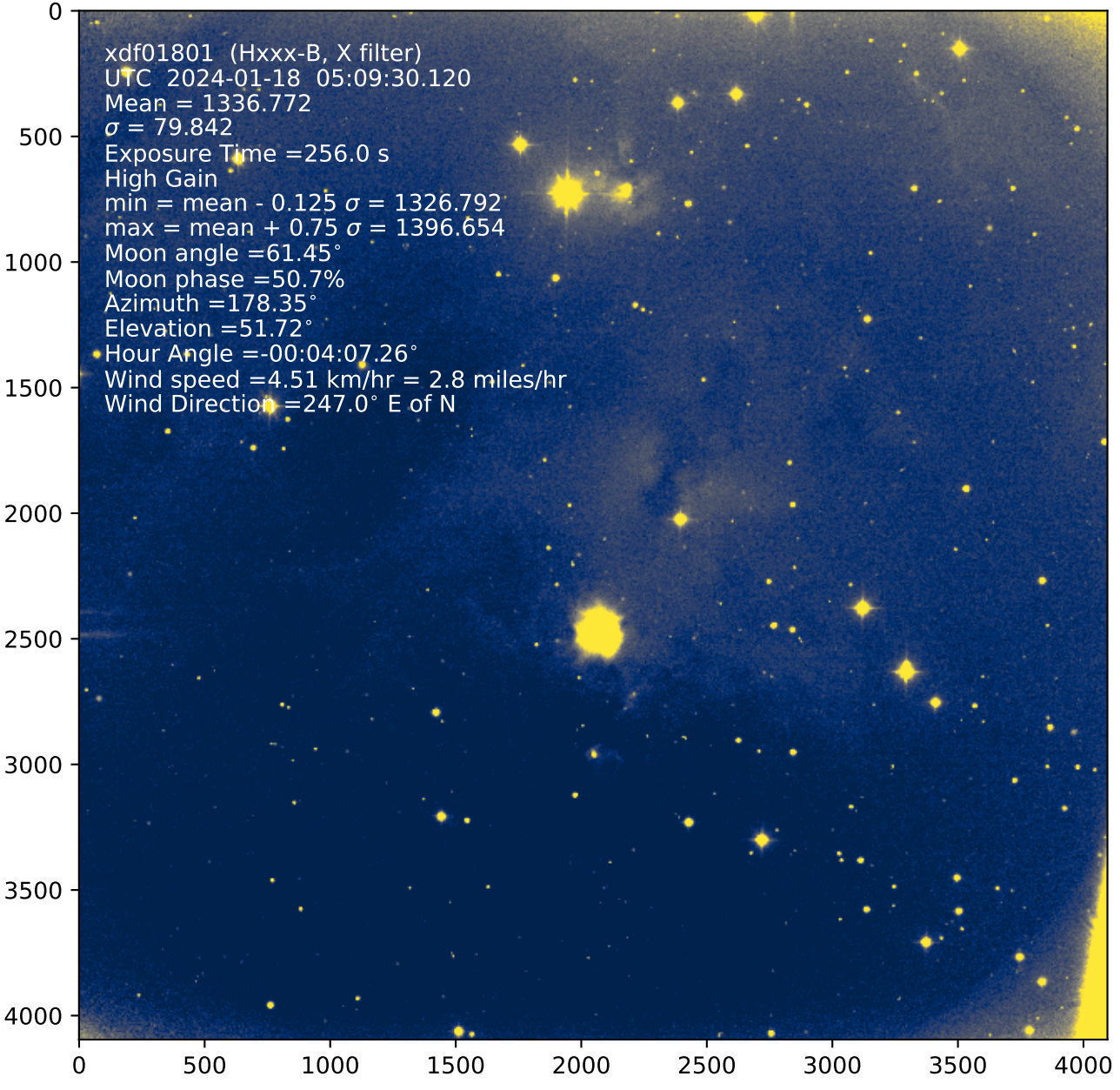
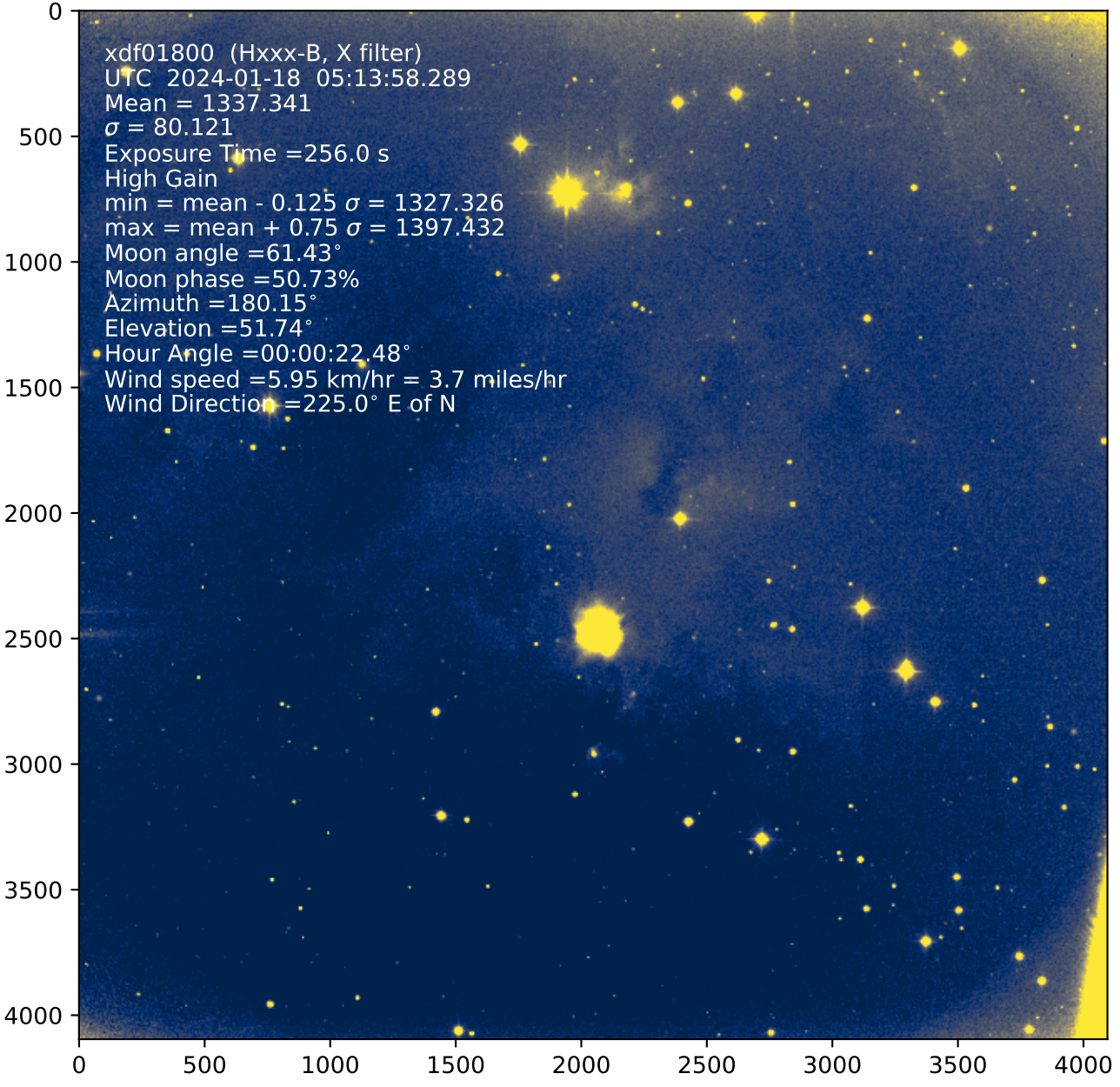
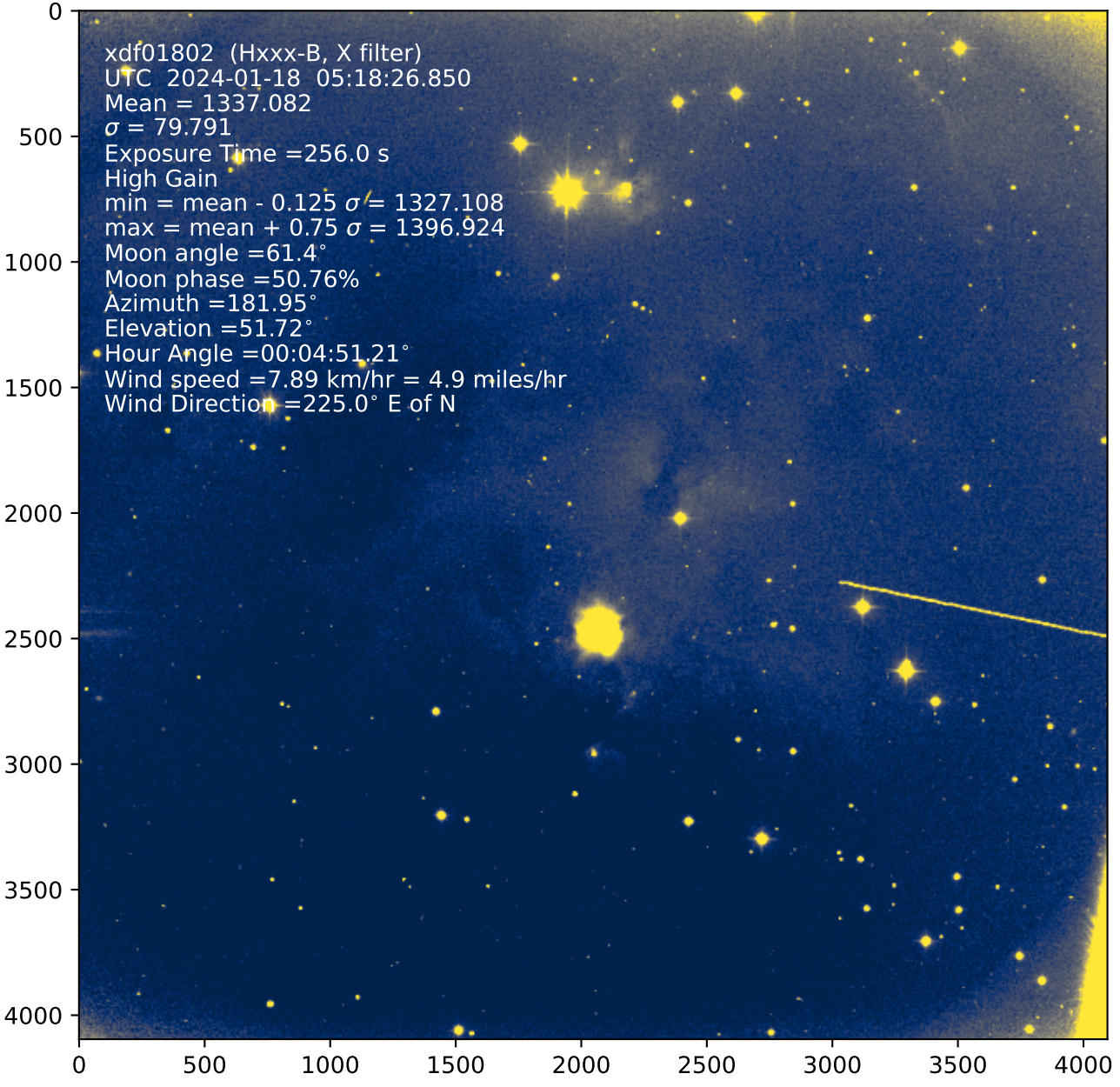
2000
2500
3000
3500
4000


xdf01801 (Hxxx-B, X filter)
UTC 2024-01-18 05:09:30.120
Mean = 1336.772
σ = 79.842
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1326.792
max = mean + 0.75 σ = 1396.654
Moon angle =61.45°
Moon phase =50.7%
Azimuth =178.35°
Elevation =51.72°
Hour Angle =-00:04:07.26°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =247.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01800 (Hxxx-B, X filter)
UTC 2024-01-18 05:13:58.289
Mean = 1337.341
σ = 80.121
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1327.326
max = mean + 0.75 σ = 1397.432
Moon angle =61.43°
Moon phase =50.73%
Azimuth =180.15°
Elevation =51.74°
Hour Angle =00:00:22.48°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01802 (Hxxx-B, X filter)
UTC 2024-01-18 05:18:26.850
Mean = 1337.082
σ = 79.791
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1327.108
max = mean + 0.75 σ = 1396.924
Moon angle =61.4°
Moon phase =50.76%
Azimuth =181.95°
Elevation =51.72°
Hour Angle =00:04:51.21°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =225.0° E of N
0
500
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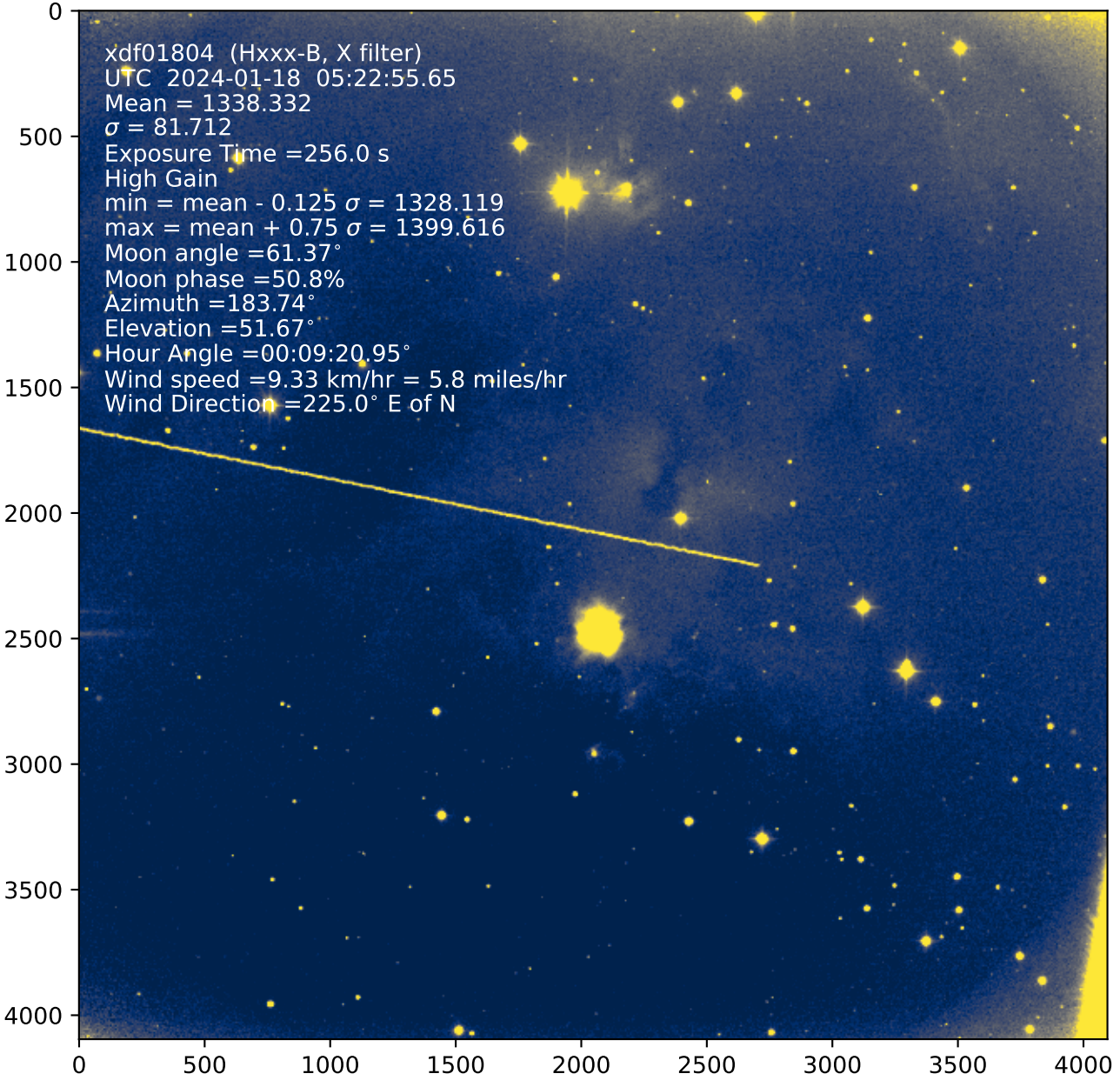
3500
4000


xdf01804 (Hxxx-B, X filter)
UTC 2024-01-18 05:22:55.65
Mean = 1338.332
σ = 81.712
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1328.119
max = mean + 0.75 σ = 1399.616
Moon angle =61.37°
Moon phase =50.8%
Azimuth =183.74°
Elevation =51.67°
Hour Angle =00:09:20.95°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
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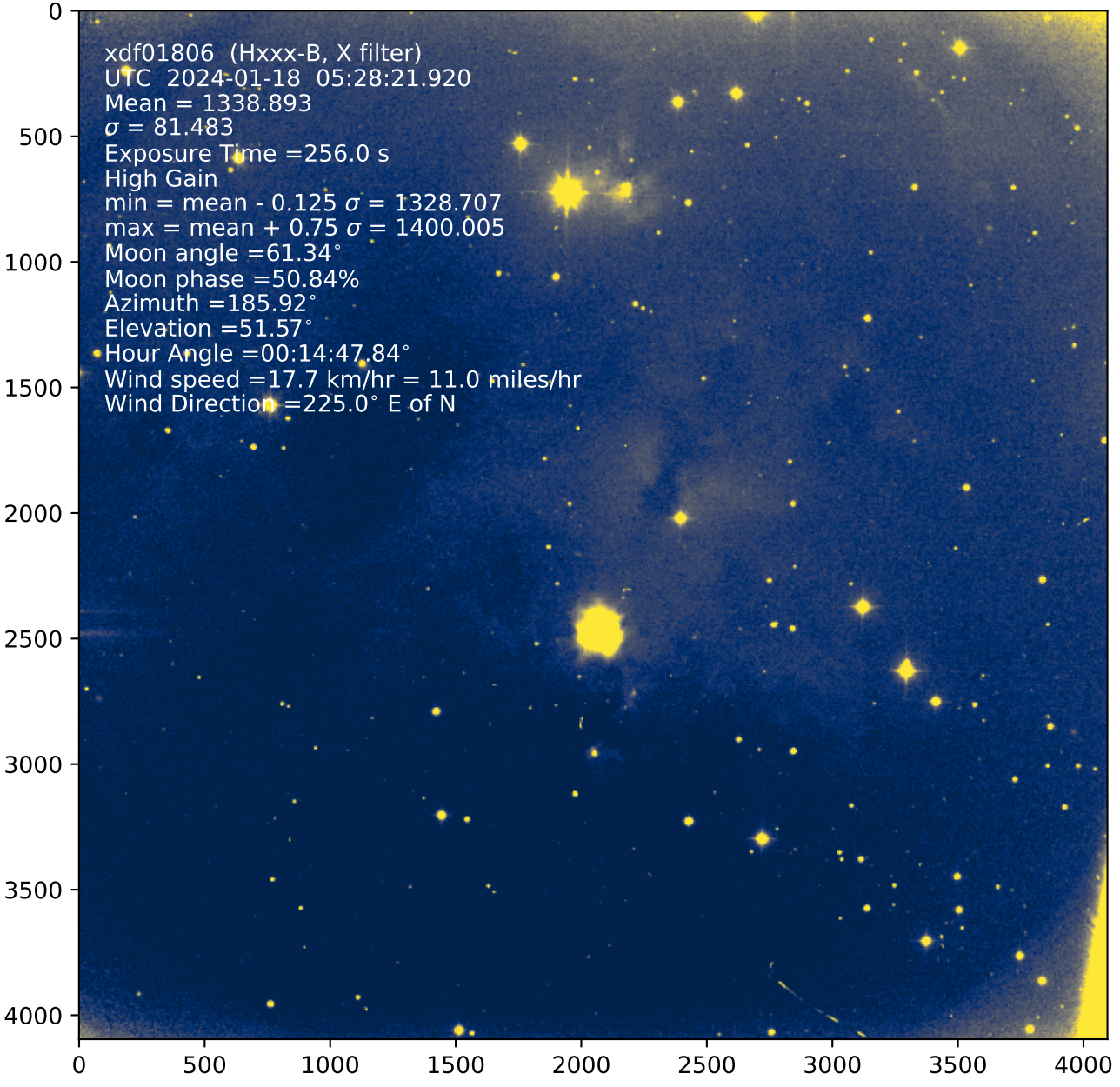
xdf01806 (Hxxx-B, X filter)
UTC 2024-01-18 05:28:21.920
Mean = 1338.893
σ = 81.483
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1328.707
max = mean + 0.75 σ = 1400.005
Moon angle =61.34°
Moon phase =50.84%
Azimuth =185.92°
Elevation =51.57°
Hour Angle =00:14:47.84°
Wind speed =17.7 km/hr = 11.0 miles/hr
Wind Direction =225.0° E of N
0
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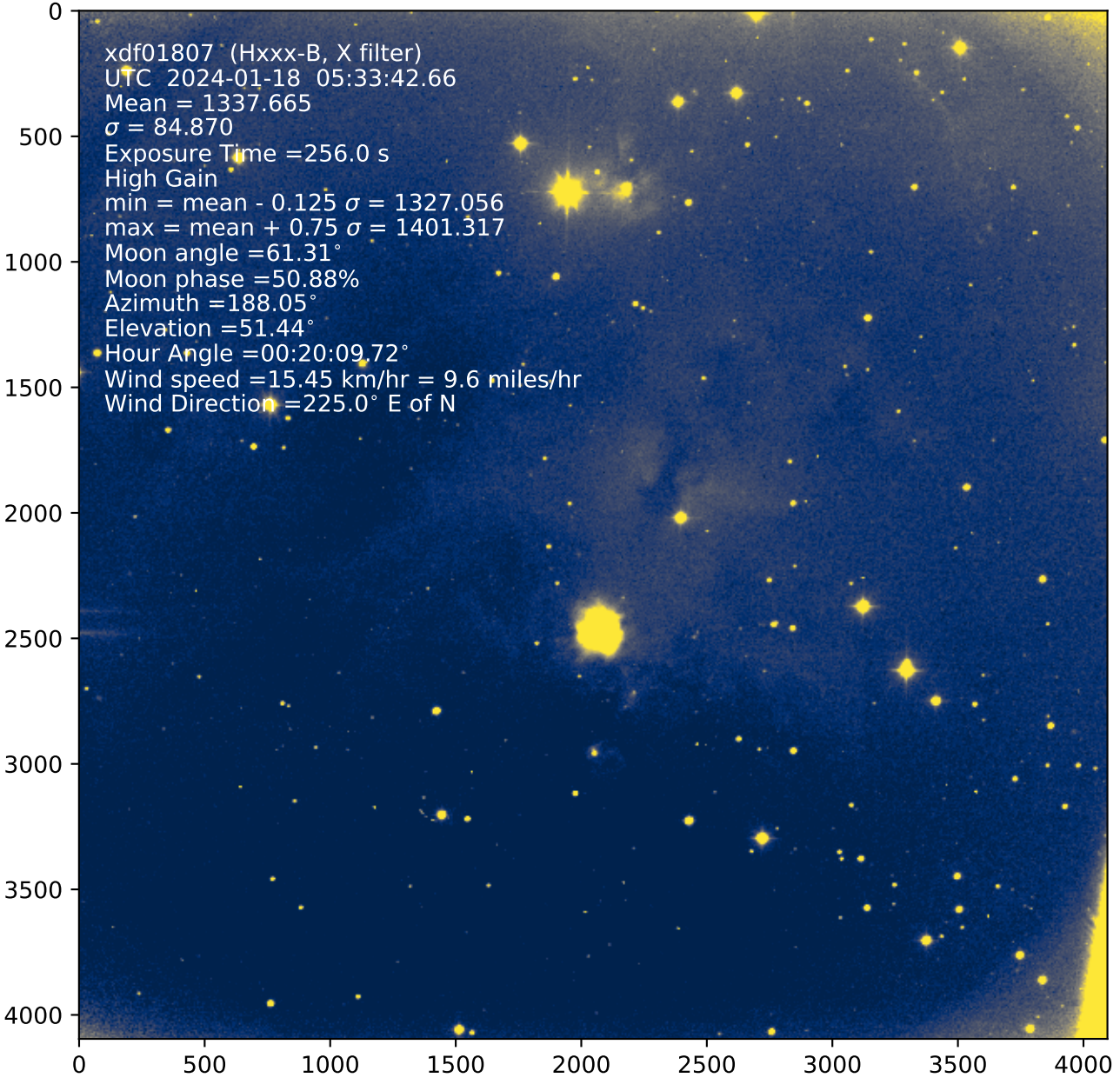
4000


xdf01807 (Hxxx-B, X filter)
UTC 2024-01-18 05:33:42.66
Mean = 1337.665
σ = 84.870
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1327.056
max = mean + 0.75 σ = 1401.317
Moon angle =61.31°
Moon phase =50.88%
Azimuth =188.05°
Elevation =51.44°
Hour Angle =00:20:09.72°
Wind speed =15.45 km/hr = 9.6 miles/hr
Wind Direction =225.0° E of N
0
500
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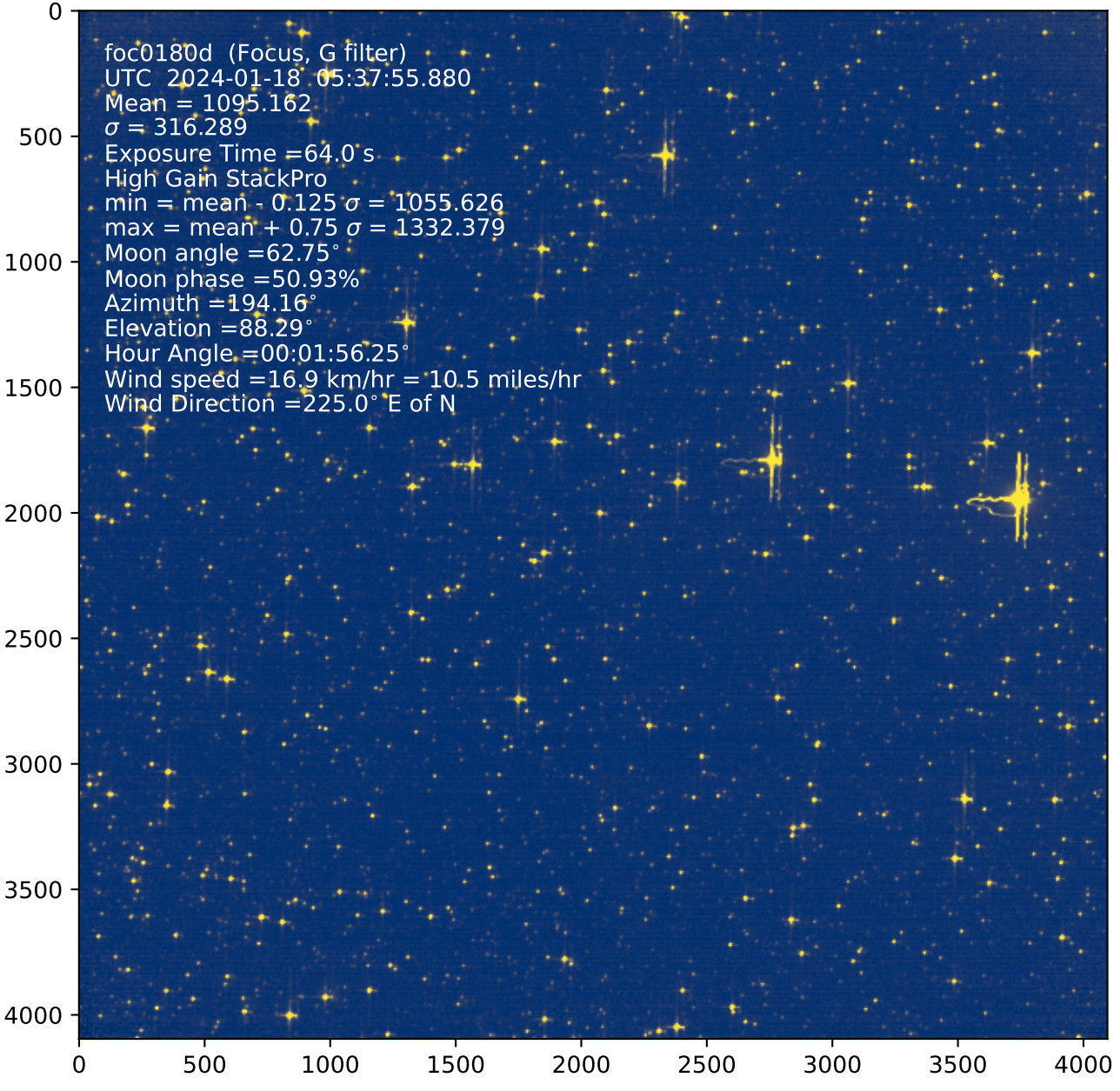
4000


foc0180d (Focus, G filter)
UTC 2024-01-18 05:37:55.880
Mean = 1095.162
σ = 316.289
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1055.626
max = mean + 0.75 σ = 1332.379
Moon angle =62.75°
Moon phase =50.93%
Azimuth =194.16°
Elevation =88.29°
Hour Angle =00:01:56.25°
Wind speed =16.9 km/hr = 10.5 miles/hr
Wind Direction =225.0° E of N
0
500
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2500
3000
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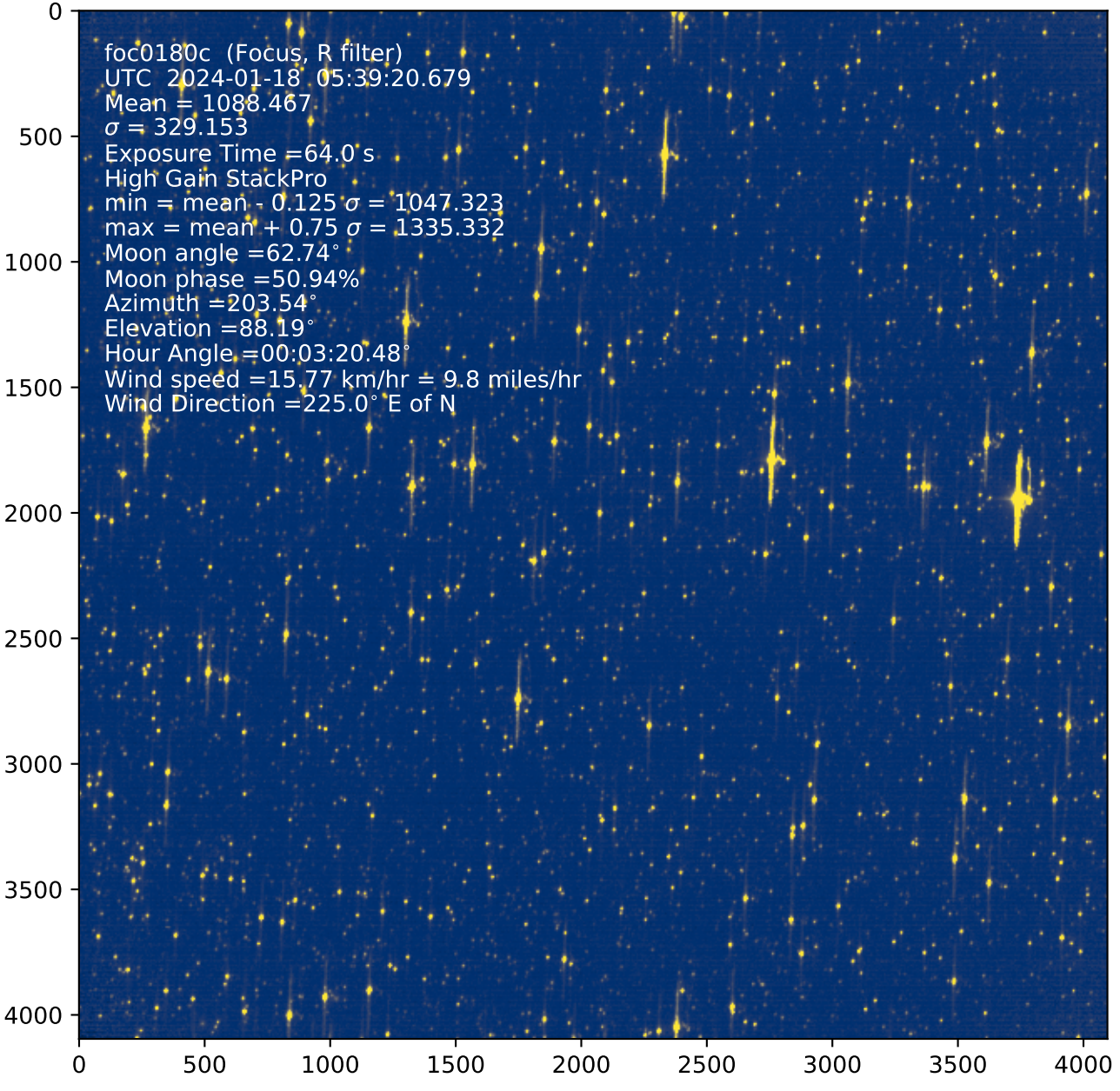
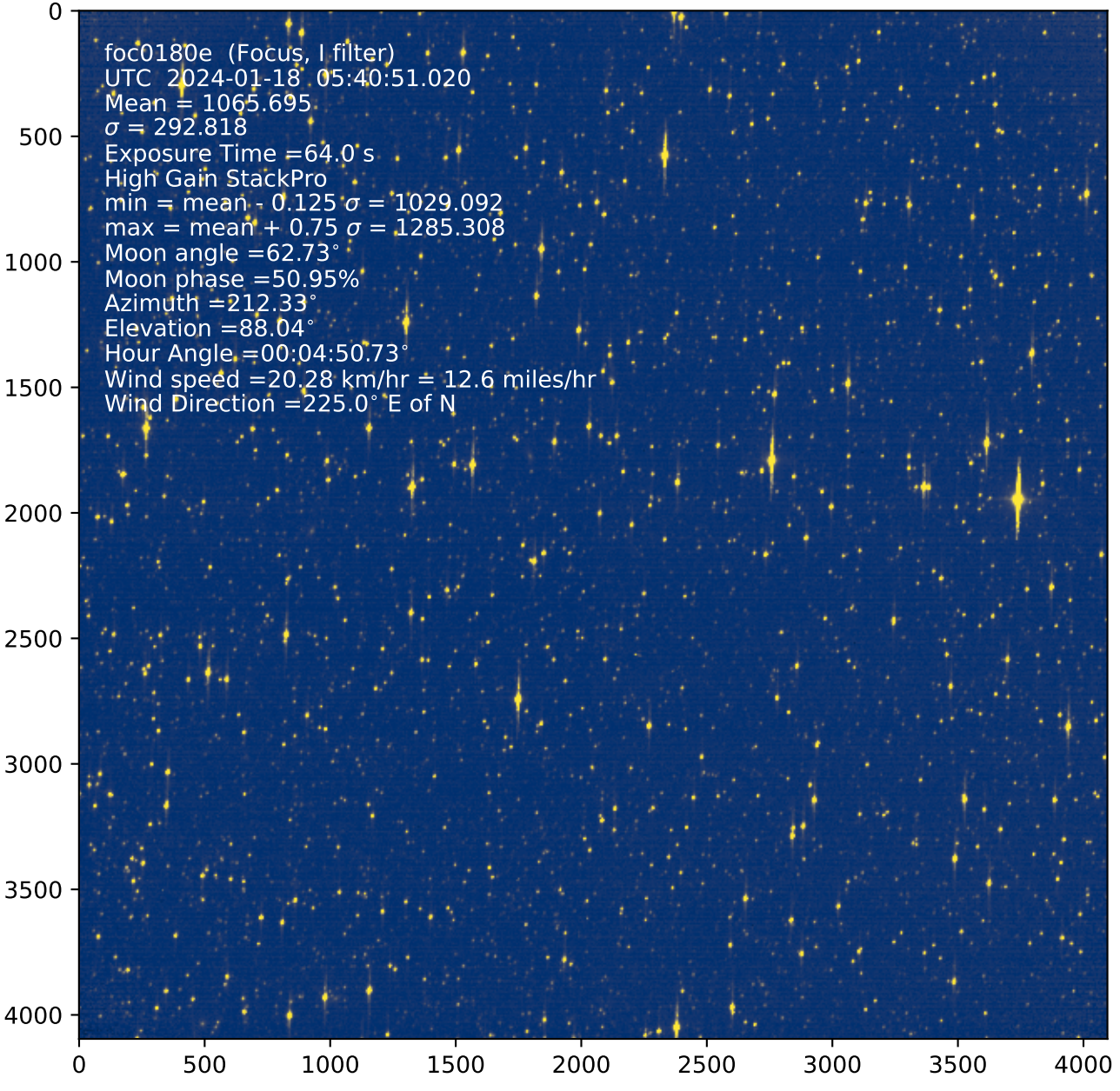
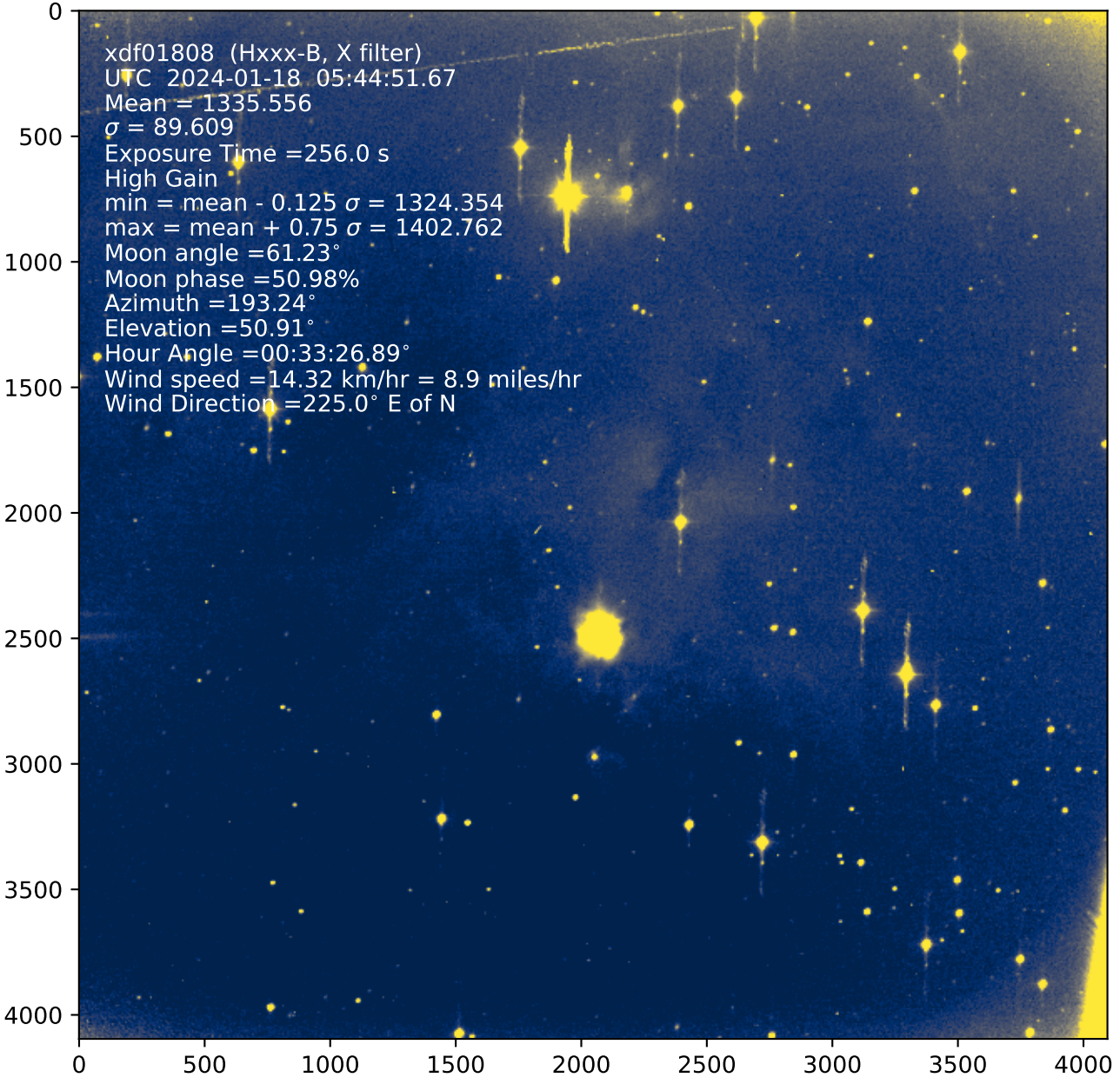
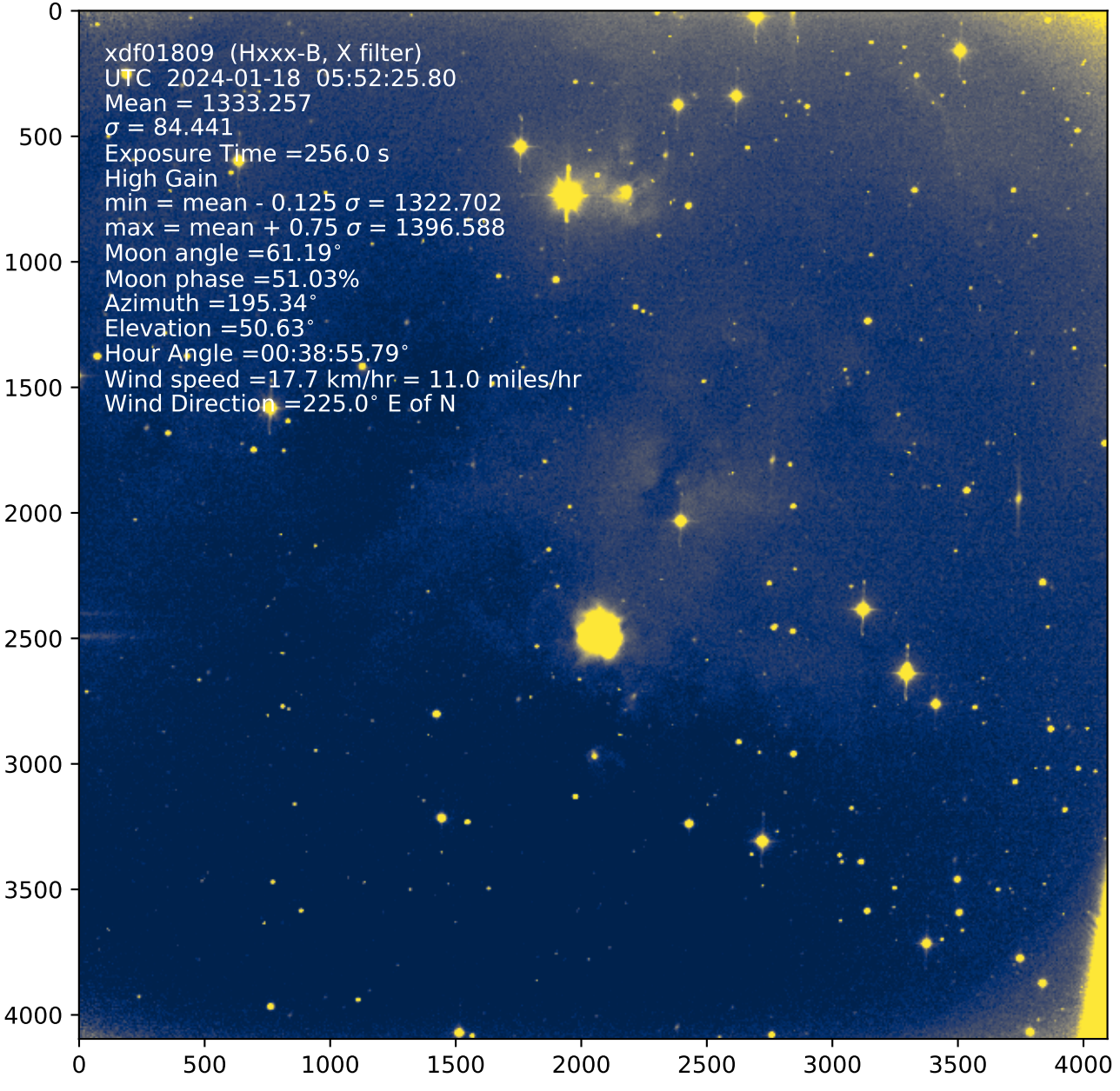
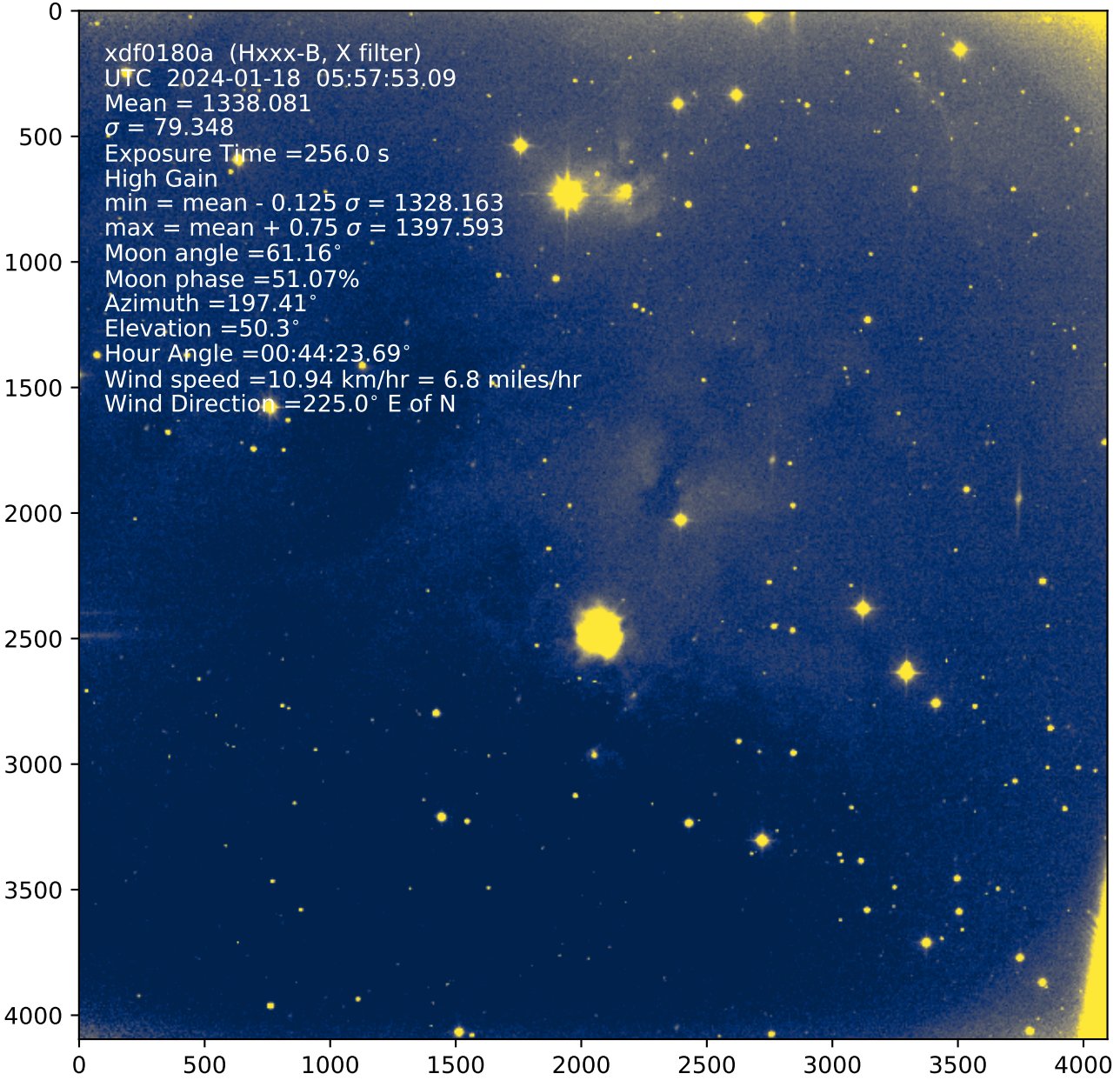
4000

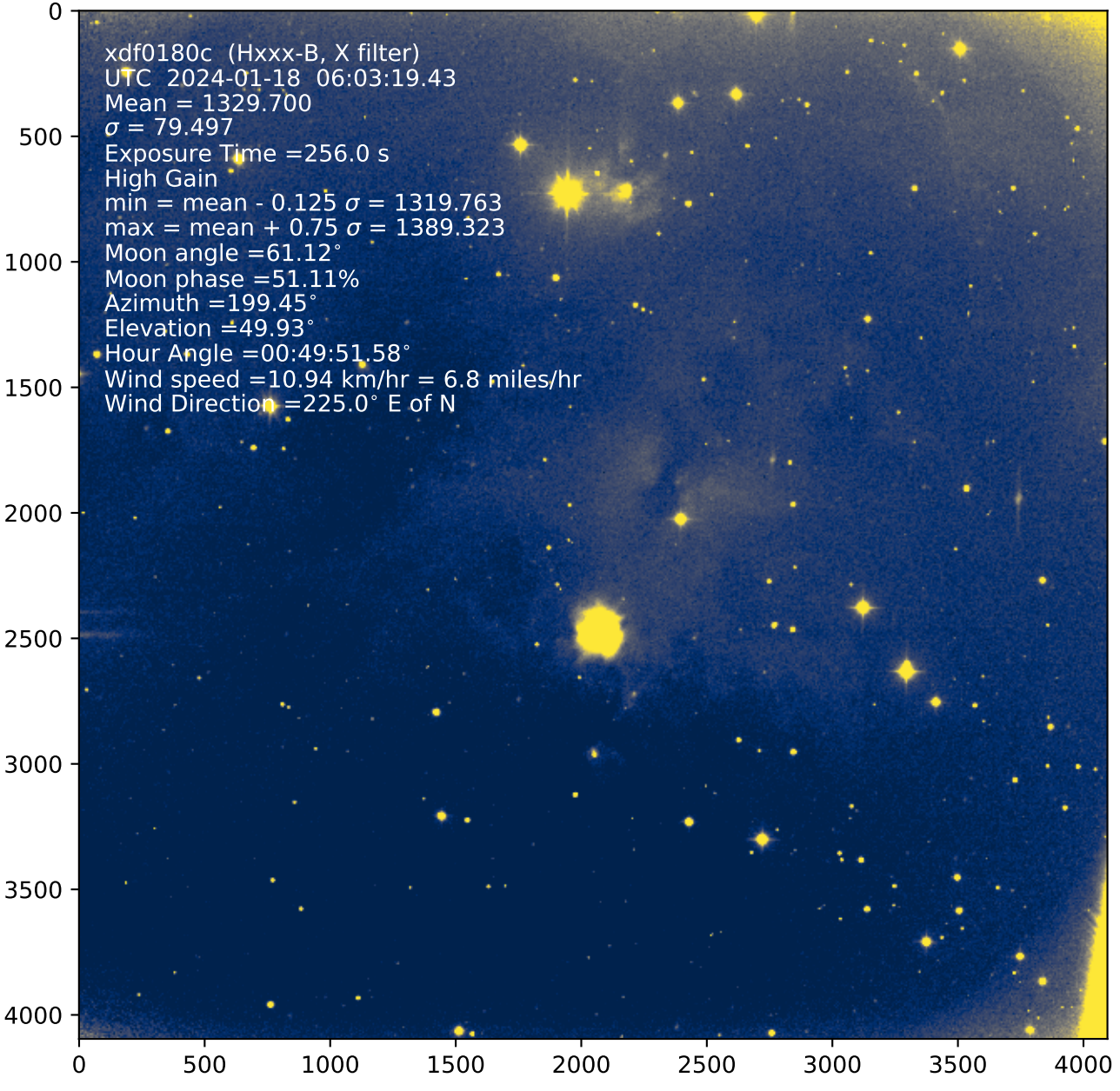

foc0180c (Focus, R filter)
UTC 2024-01-18 05:39:20.679
Mean = 1088.467
σ = 329.153
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1047.323
max = mean + 0.75 σ = 1335.332
Moon angle =62.74°
Moon phase =50.94%
Azimuth =203.54°
Elevation =88.19°
Hour Angle =00:03:20.48°
Wind speed =15.77 km/hr = 9.8 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

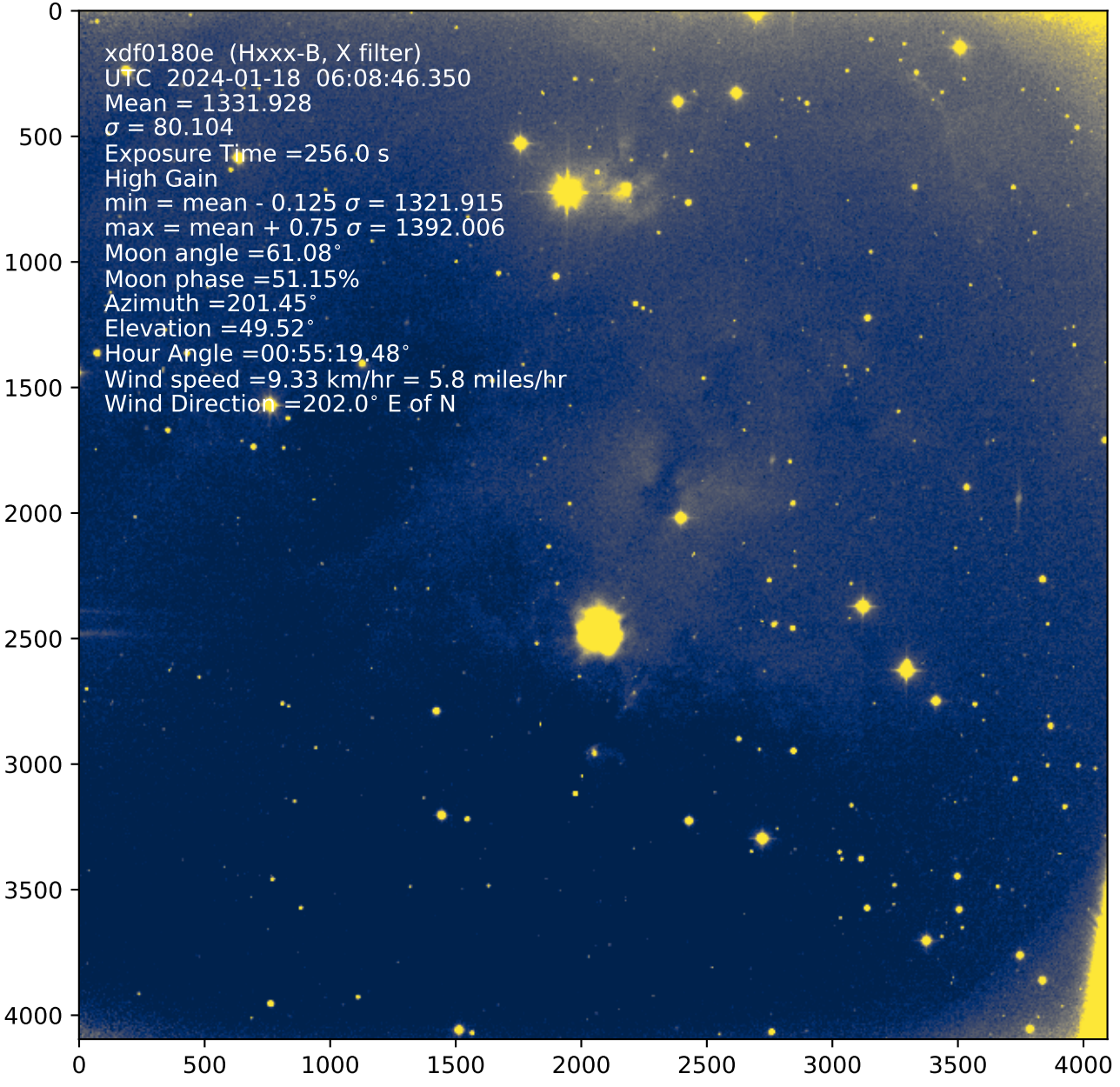

foc0180e (Focus, I filter)
UTC 2024-01-18 05:40:51.020
Mean = 1065.695
σ = 292.818
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1029.092
max = mean + 0.75 σ = 1285.308
Moon angle =62.73°
Moon phase =50.95%
Azimuth =212.33°
Elevation =88.04°
Hour Angle =00:04:50.73°
Wind speed =20.28 km/hr = 12.6 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

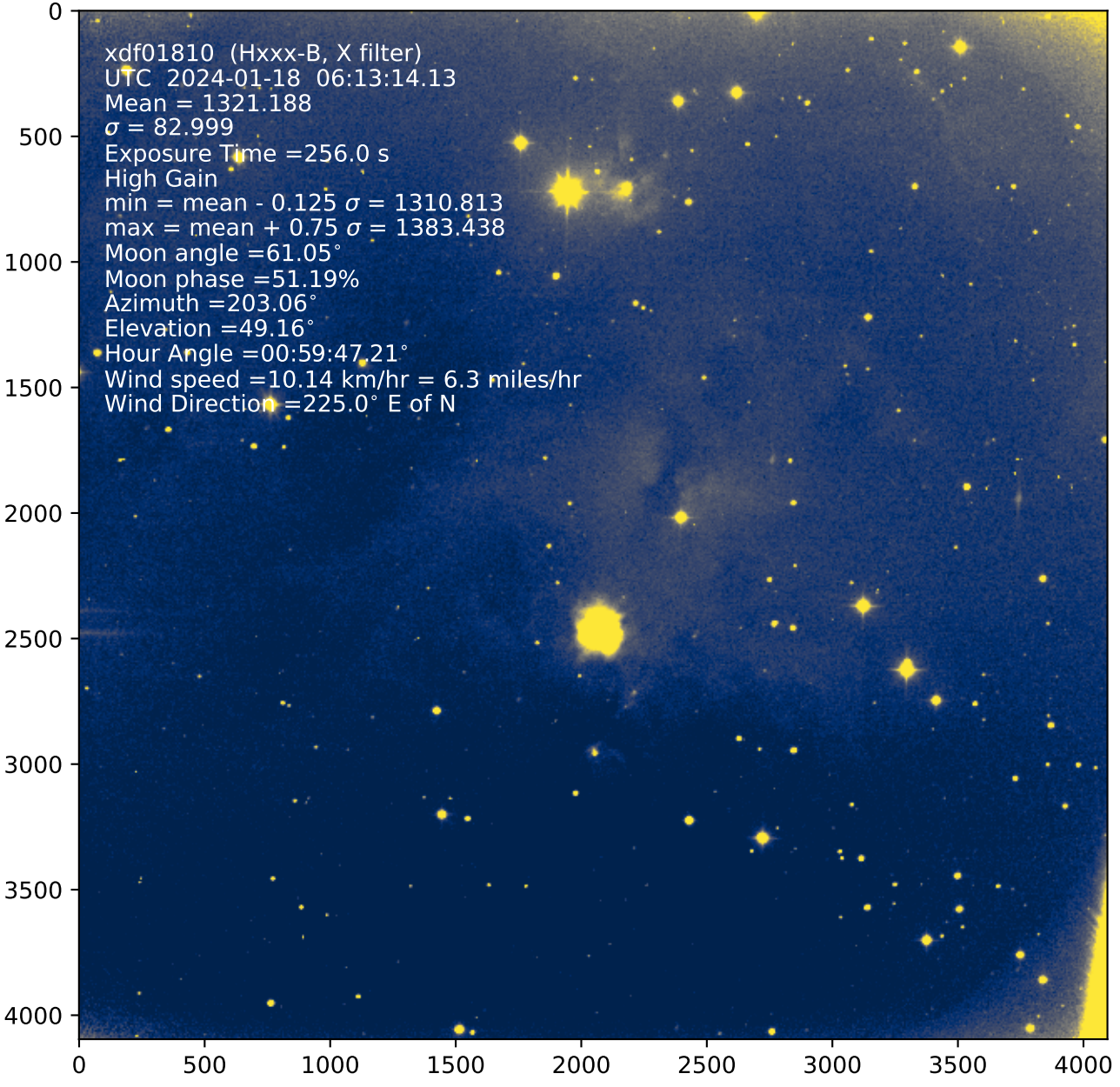

xdf01808 (Hxxx-B, X filter)
UTC 2024-01-18 05:44:51.67
Mean = 1335.556
σ = 89.609
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1324.354
max = mean + 0.75 σ = 1402.762
Moon angle =61.23°
Moon phase =50.98%
Azimuth =193.24°
Elevation =50.91°
Hour Angle =00:33:26.89°
Wind speed =14.32 km/hr = 8.9 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

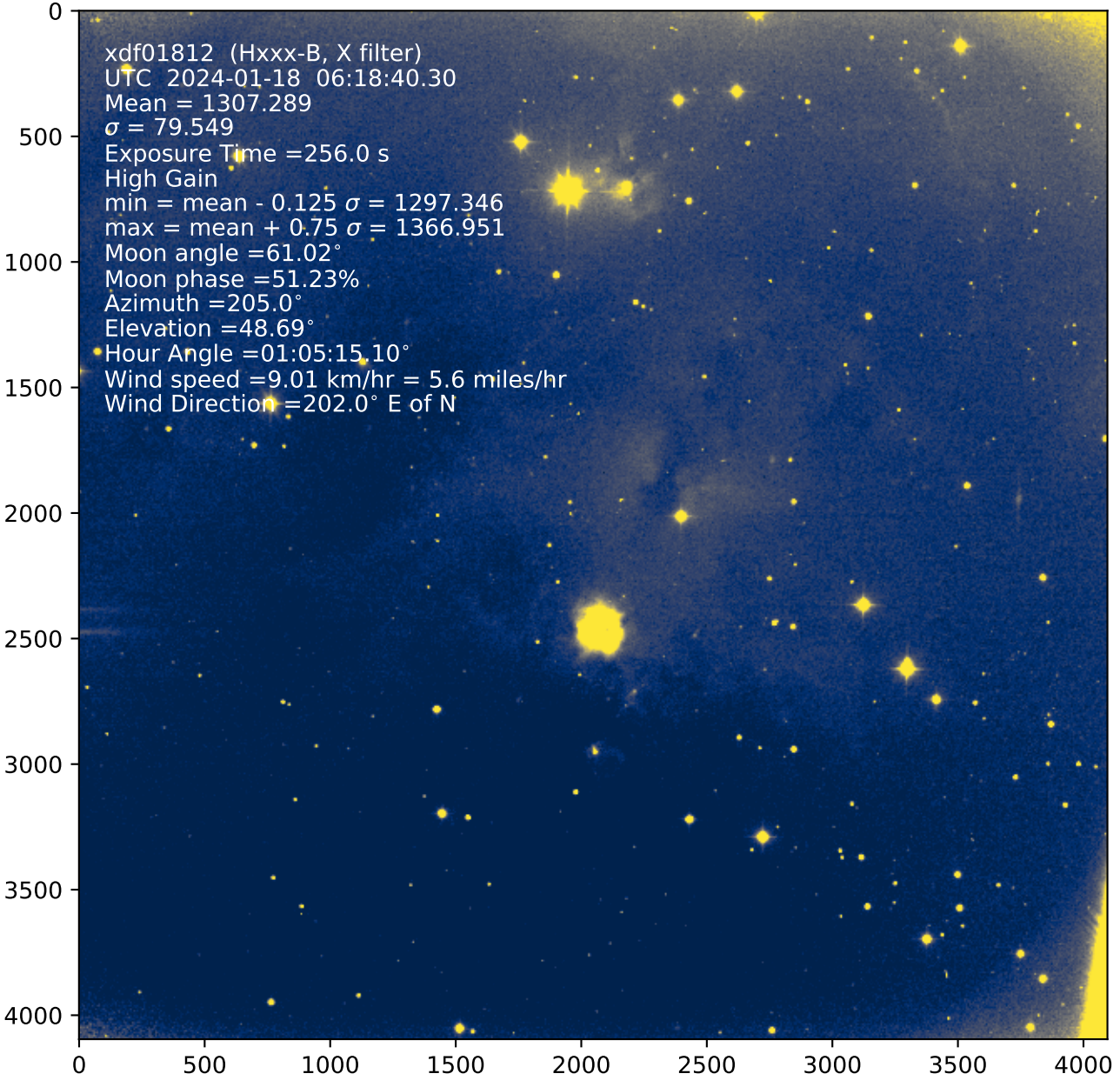

xdf01809 (Hxxx-B, X filter)
UTC 2024-01-18 05:52:25.80
Mean = 1333.257
σ = 84.441
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1322.702
max = mean + 0.75 σ = 1396.588
Moon angle =61.19°
Moon phase =51.03%
Azimuth =195.34°
Elevation =50.63°
Hour Angle =00:38:55.79°
Wind speed =17.7 km/hr = 11.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

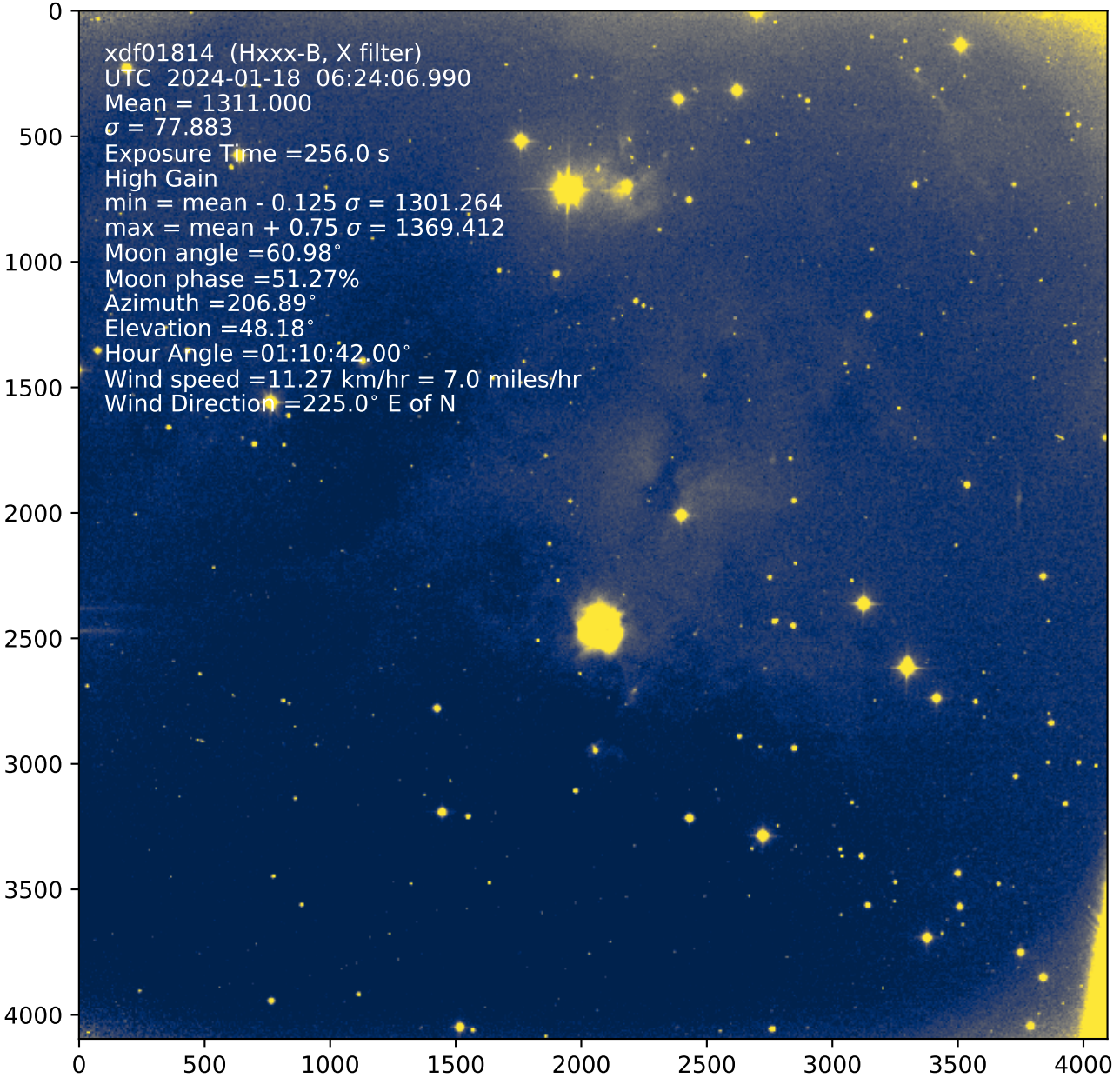

xdf0180a (Hxxx-B, X filter)
UTC 2024-01-18 05:57:53.09
Mean = 1338.081
σ = 79.348
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1328.163
max = mean + 0.75 σ = 1397.593
Moon angle =61.16°
Moon phase =51.07%
Azimuth =197.41°
Elevation =50.3°
Hour Angle =00:44:23.69°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

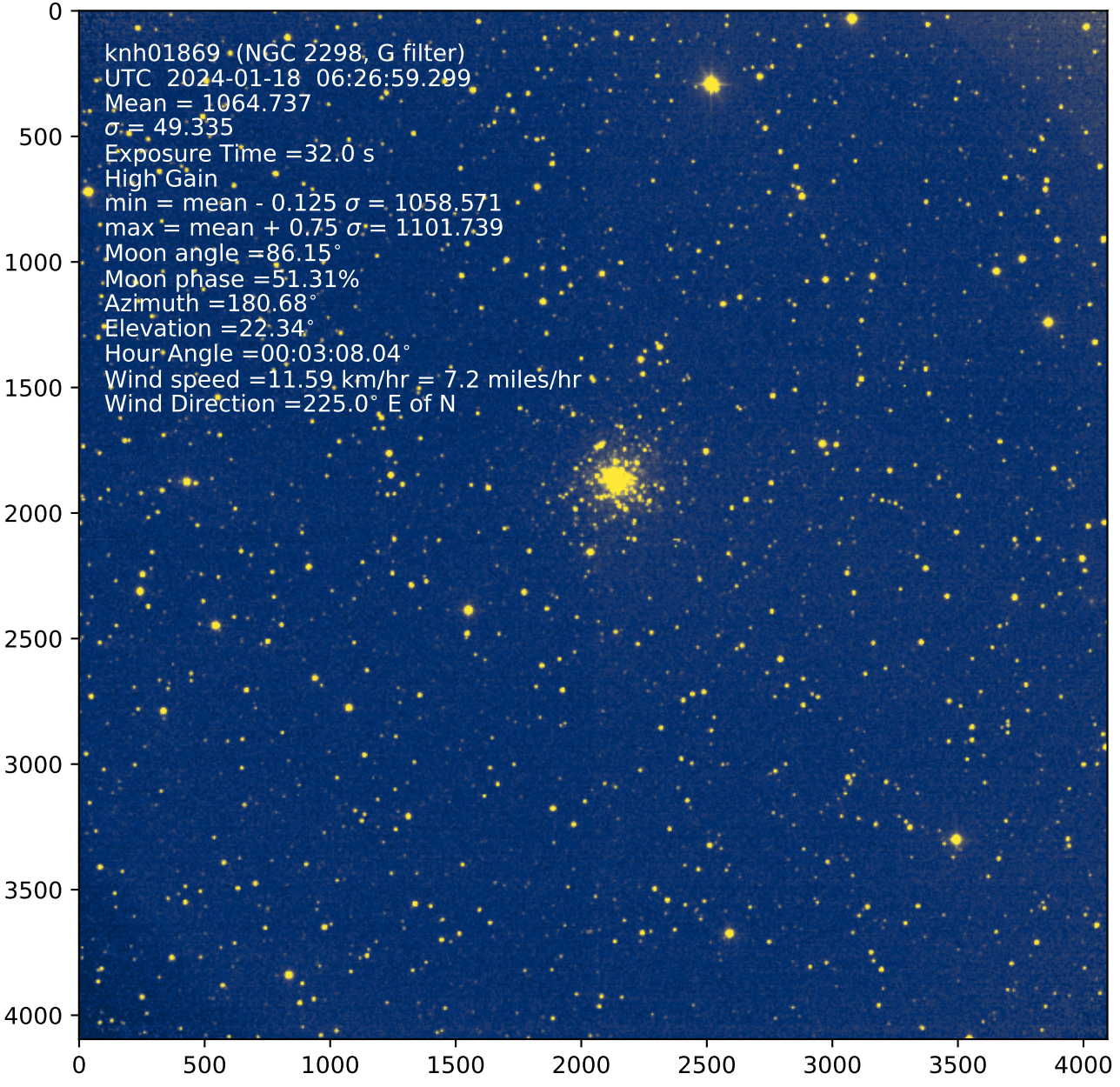

xdf0180c (Hxxx-B, X filter)
UTC 2024-01-18 06:03:19.43
Mean = 1329.700
σ = 79.497
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1319.763
max = mean + 0.75 σ = 1389.323
Moon angle =61.12˚
Moon phase =51.11%
Azimuth =199.45˚
Elevation =49.93˚
Hour Angle =00:49:51.58˚
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =225.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf0180e (Hxxx-B, X filter)
UTC 2024-01-18 06:08:46.350
Mean = 1331.928
σ = 80.104
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1321.915
max = mean + 0.75 σ = 1392.006
Moon angle =61.08°
Moon phase =51.15%
Azimuth =201.45°
Elevation =49.52°
Hour Angle =00:55:19.48°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01810 (Hxxx-B, X filter)
UTC 2024-01-18 06:13:14.13
Mean = 1321.188
σ = 82.999
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1310.813
max = mean + 0.75 σ = 1383.438
Moon angle =61.05°
Moon phase =51.19%
Azimuth =203.06°
Elevation =49.16°
Hour Angle =00:59:47.21°
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


xdf01812 (Hxxx-B, X filter)
UTC 2024-01-18 06:18:40.30
Mean = 1307.289
σ = 79.549
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1297.346
max = mean + 0.75 σ = 1366.951
Moon angle =61.02°
Moon phase =51.23%
Azimuth =205.0°
Elevation =48.69°
Hour Angle =01:05:15.10°
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


xdf01814 (Hxxx-B, X filter)
UTC 2024-01-18 06:24:06.990
Mean = 1311.000
σ = 77.883
Exposure Time =256.0 s
High Gain
min = mean - 0.125 σ = 1301.264
max = mean + 0.75 σ = 1369.412
Moon angle =60.98°
Moon phase =51.27%
Azimuth =206.89°
Elevation =48.18°
Hour Angle =01:10:42.00°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01869 (NGC 2298, G filter)
UTC 2024-01-18 06:26:59.299
Mean = 1064.737
σ = 49.335
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.571
max = mean + 0.75 σ = 1101.739
Moon angle =86.15°
Moon phase =51.31%
Azimuth =180.68°
Elevation =22.34°
Hour Angle =00:03:08.04°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =225.0° E of N
0
500
1000
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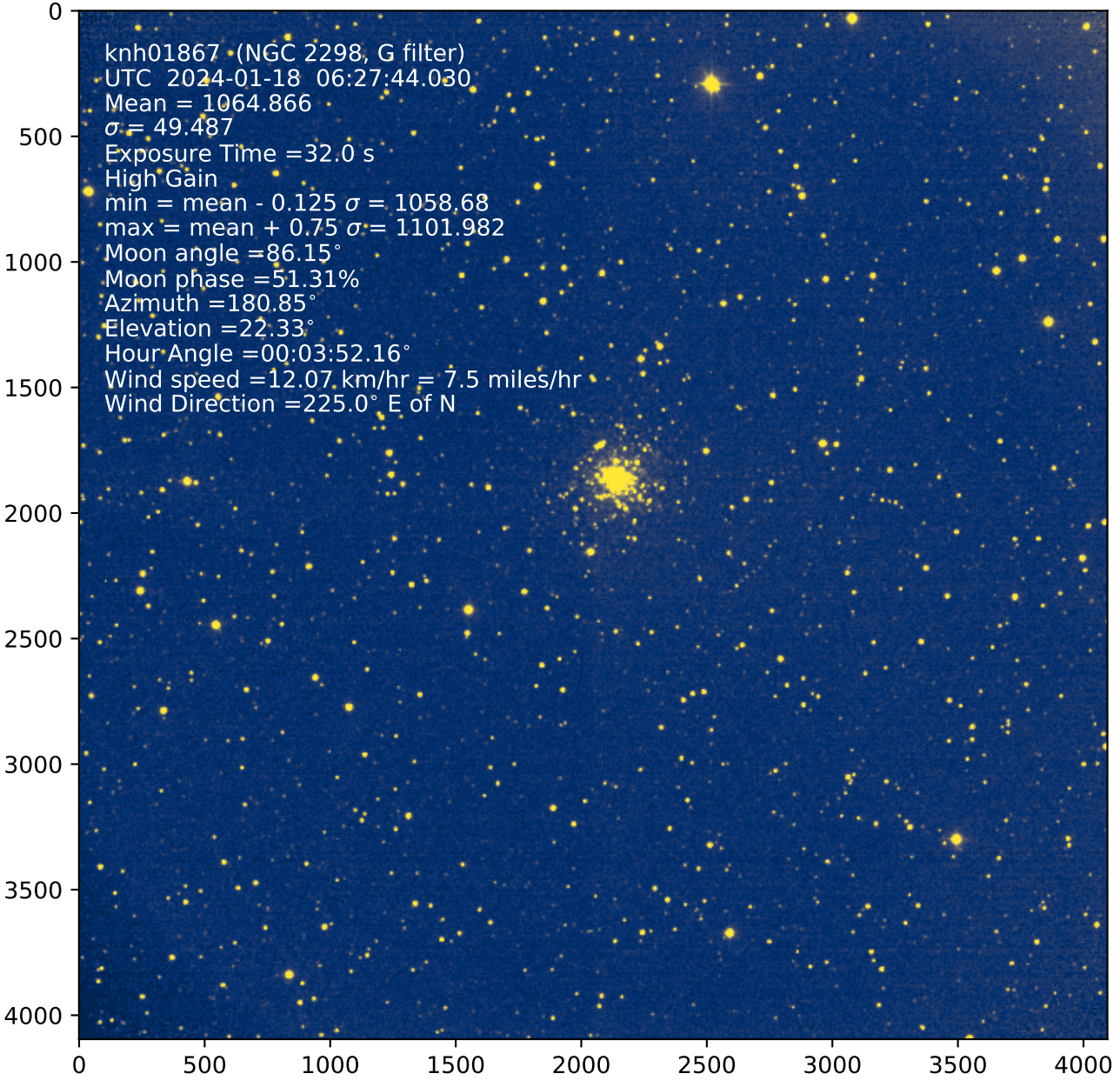
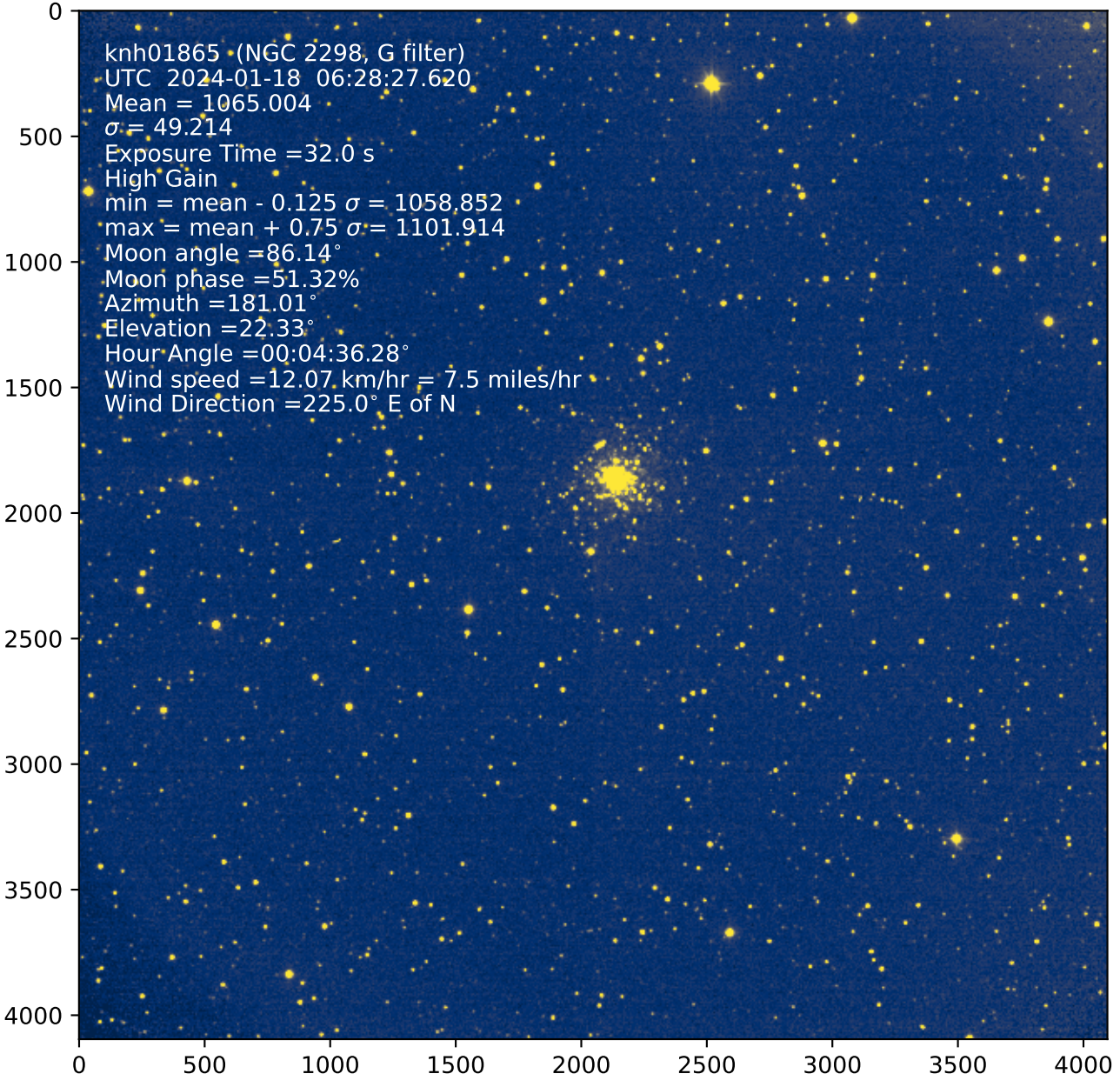
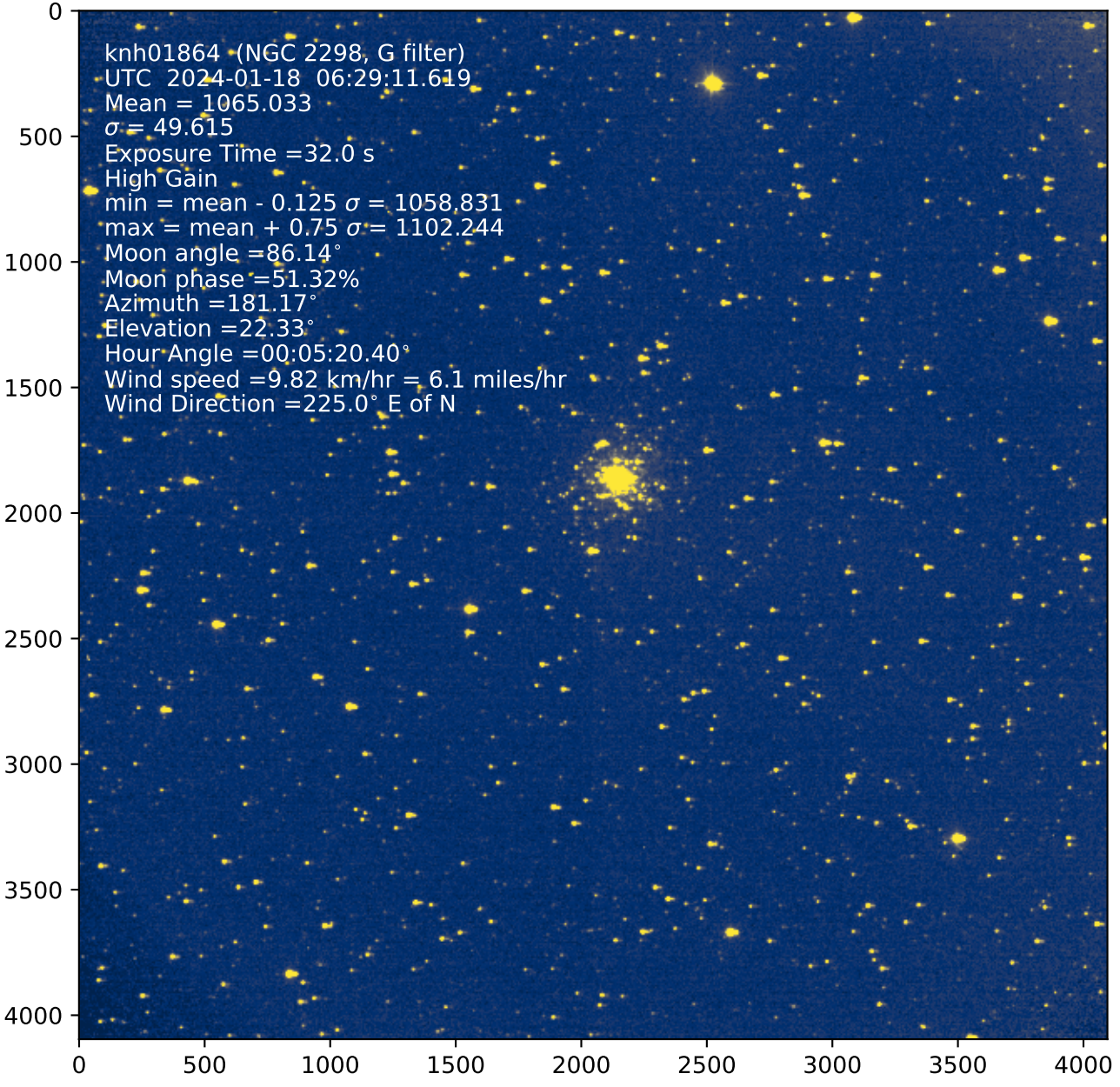
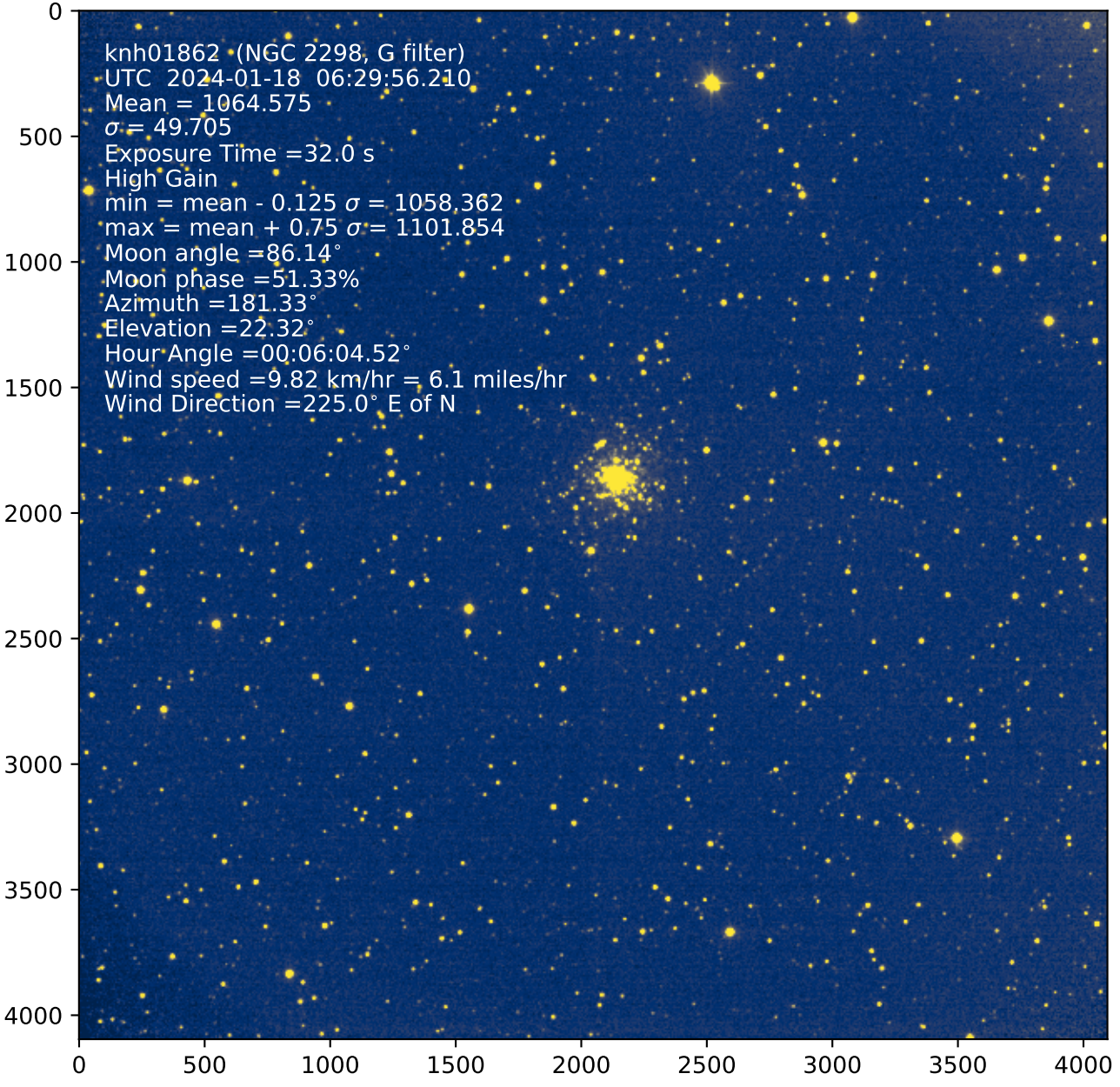
2000
2500
3000
3500
4000


knh01867 (NGC 2298, G filter)
UTC 2024-01-18 06:27:44.030
Mean = 1064.866
σ = 49.487
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.68
max = mean + 0.75 σ = 1101.982
Moon angle =86.15°
Moon phase =51.31%
Azimuth =180.85°
Elevation =22.33°
Hour Angle =00:03:52.16°
Wind speed =12.07 km/hr = 7.5 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01865 (NGC 2298, G filter)
UTC 2024-01-18 06:28:27.620
Mean = 1065.004
σ = 49.214
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.852
max = mean + 0.75 σ = 1101.914
Moon angle =86.14°
Moon phase =51.32%
Azimuth =181.01°
Elevation =22.33°
Hour Angle =00:04:36.28°
Wind speed =12.07 km/hr = 7.5 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01864 (NGC 2298, G filter)
UTC 2024-01-18 06:29:11.619
Mean = 1065.033
σ = 49.615
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.831
max = mean + 0.75 σ = 1102.244
Moon angle =86.14°
Moon phase =51.32%
Azimuth =181.17°
Elevation =22.33°
Hour Angle =00:05:20.40°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01862 (NGC 2298, G filter)
UTC 2024-01-18 06:29:56.210
Mean = 1064.575
σ = 49.705
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.362
max = mean + 0.75 σ = 1101.854
Moon angle =86.14°
Moon phase =51.33%
Azimuth =181.33°
Elevation =22.32°
Hour Angle =00:06:04.52°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
0
500
1000
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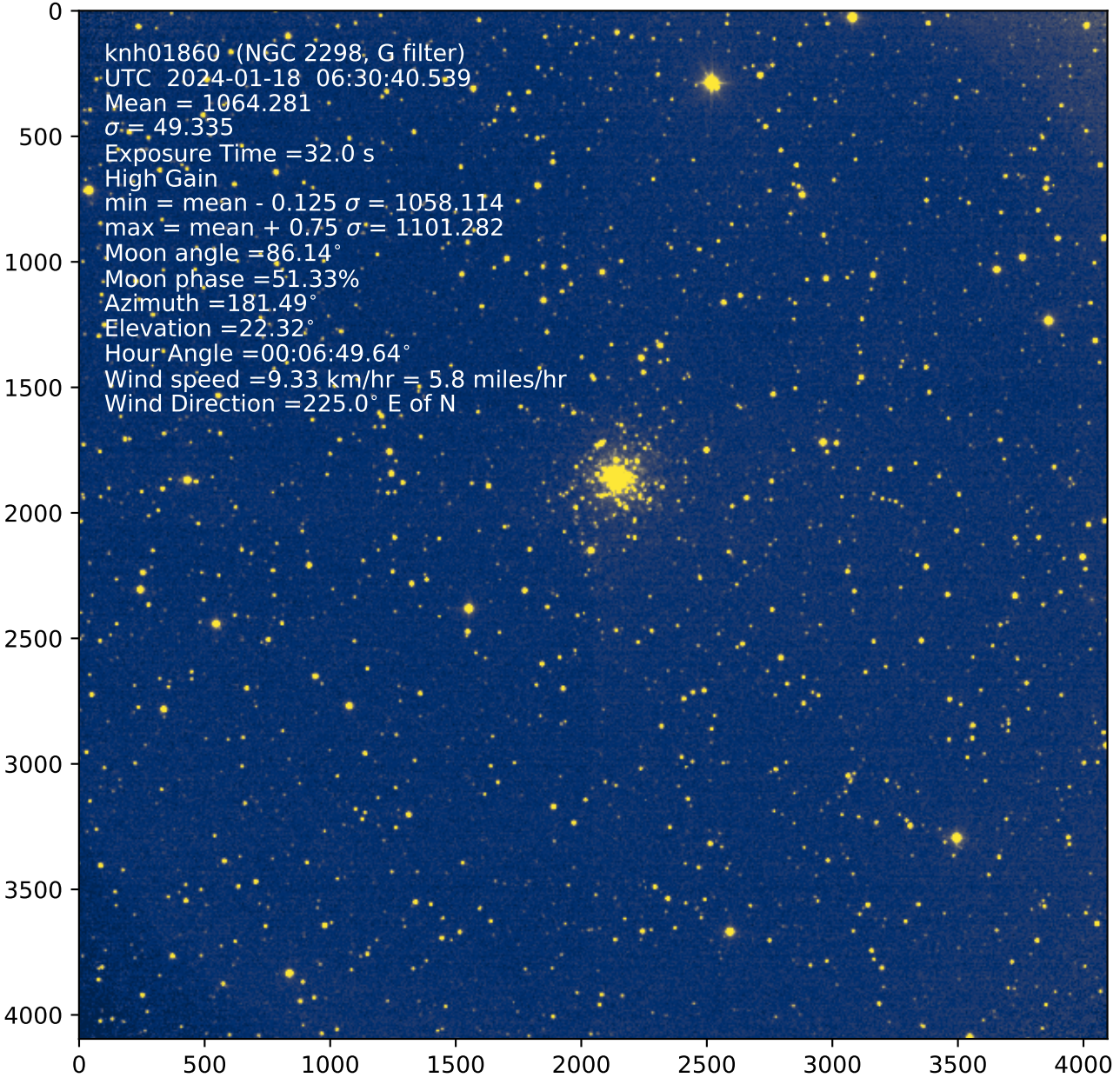
2000
2500
3000
3500
4000


knh01860 (NGC 2298, G filter)
UTC 2024-01-18 06:30:40.539
Mean = 1064.281
σ = 49.335
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.114
max = mean + 0.75 σ = 1101.282
Moon angle =86.14°
Moon phase =51.33%
Azimuth =181.49°
Elevation =22.32°
Hour Angle =00:06:49.64°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
0
500
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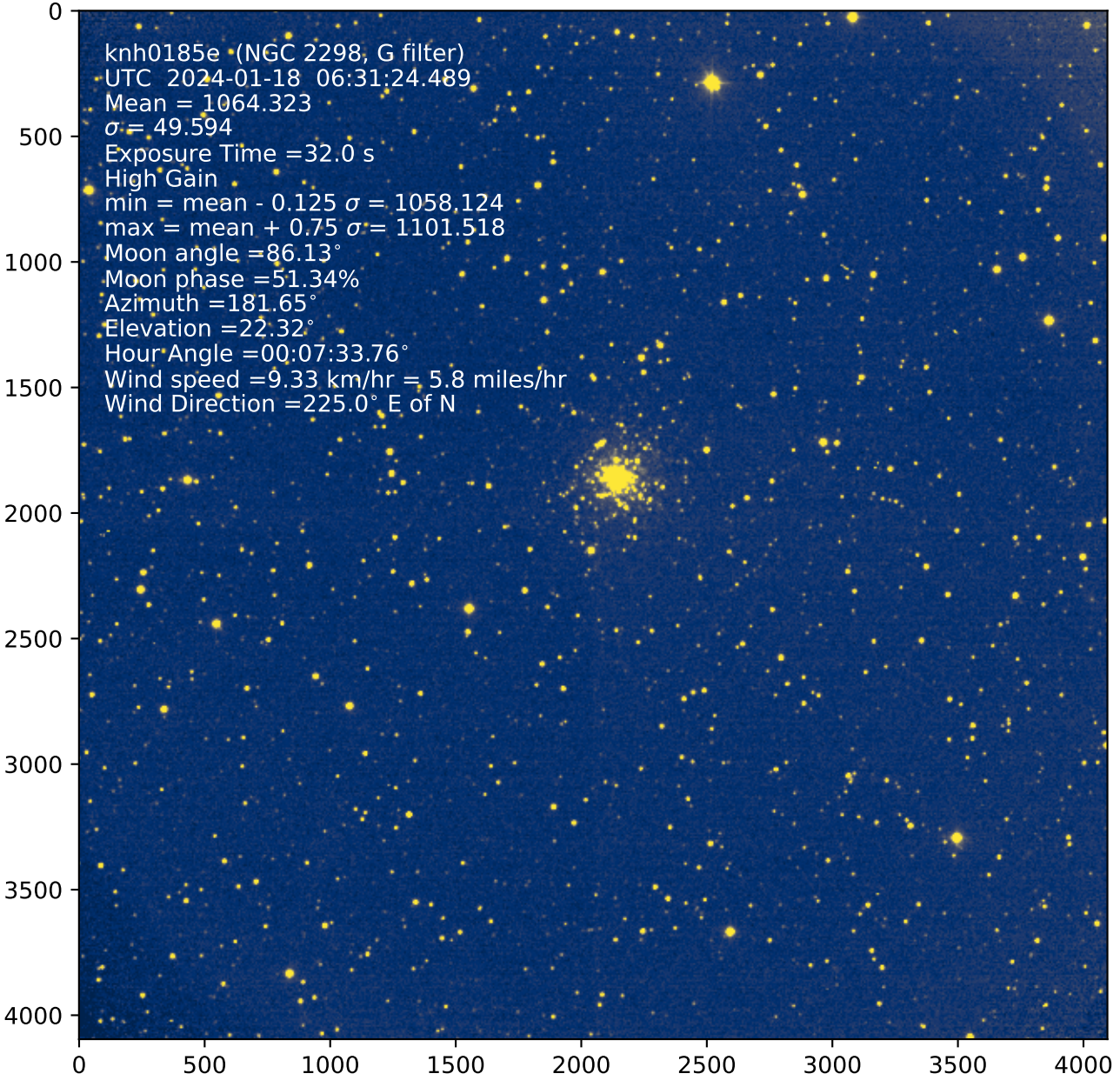
2000
2500
3000
3500
4000


knh0185e (NGC 2298, G filter)
UTC 2024-01-18 06:31:24.489
Mean = 1064.323
σ = 49.594
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.124
max = mean + 0.75 σ = 1101.518
Moon angle =86.13°
Moon phase =51.34%
Azimuth =181.65°
Elevation =22.32°
Hour Angle =00:07:33.76°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =225.0° E of N
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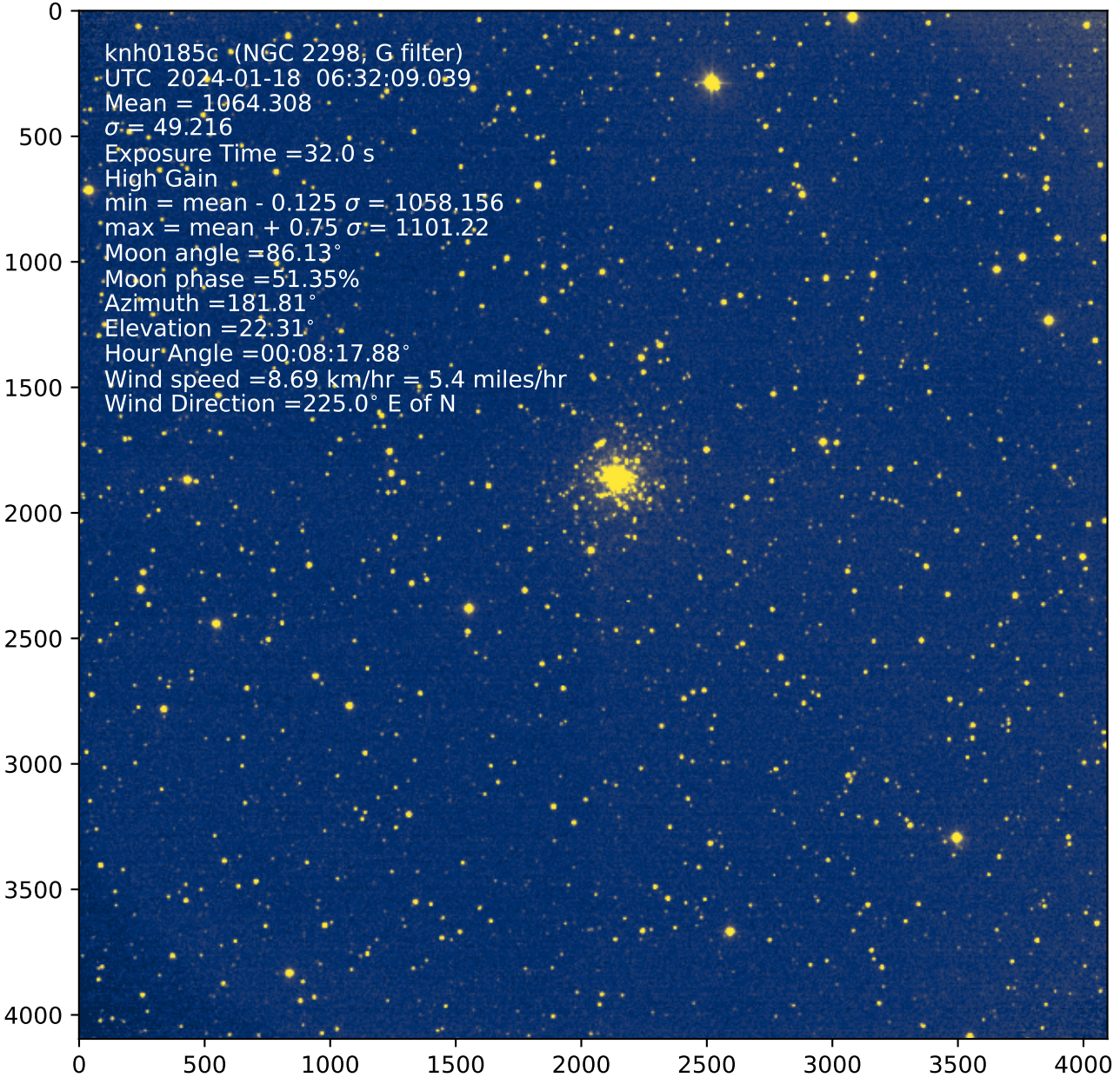
2500
3000
3500
4000


knh0185c (NGC 2298, G filter)
UTC 2024-01-18 06:32:09.039
Mean = 1064.308
σ = 49.216
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.156
max = mean + 0.75 σ = 1101.22
Moon angle =86.13°
Moon phase =51.35%
Azimuth =181.81°
Elevation =22.31°
Hour Angle =00:08:17.88°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =225.0° E of N
0
500
1000
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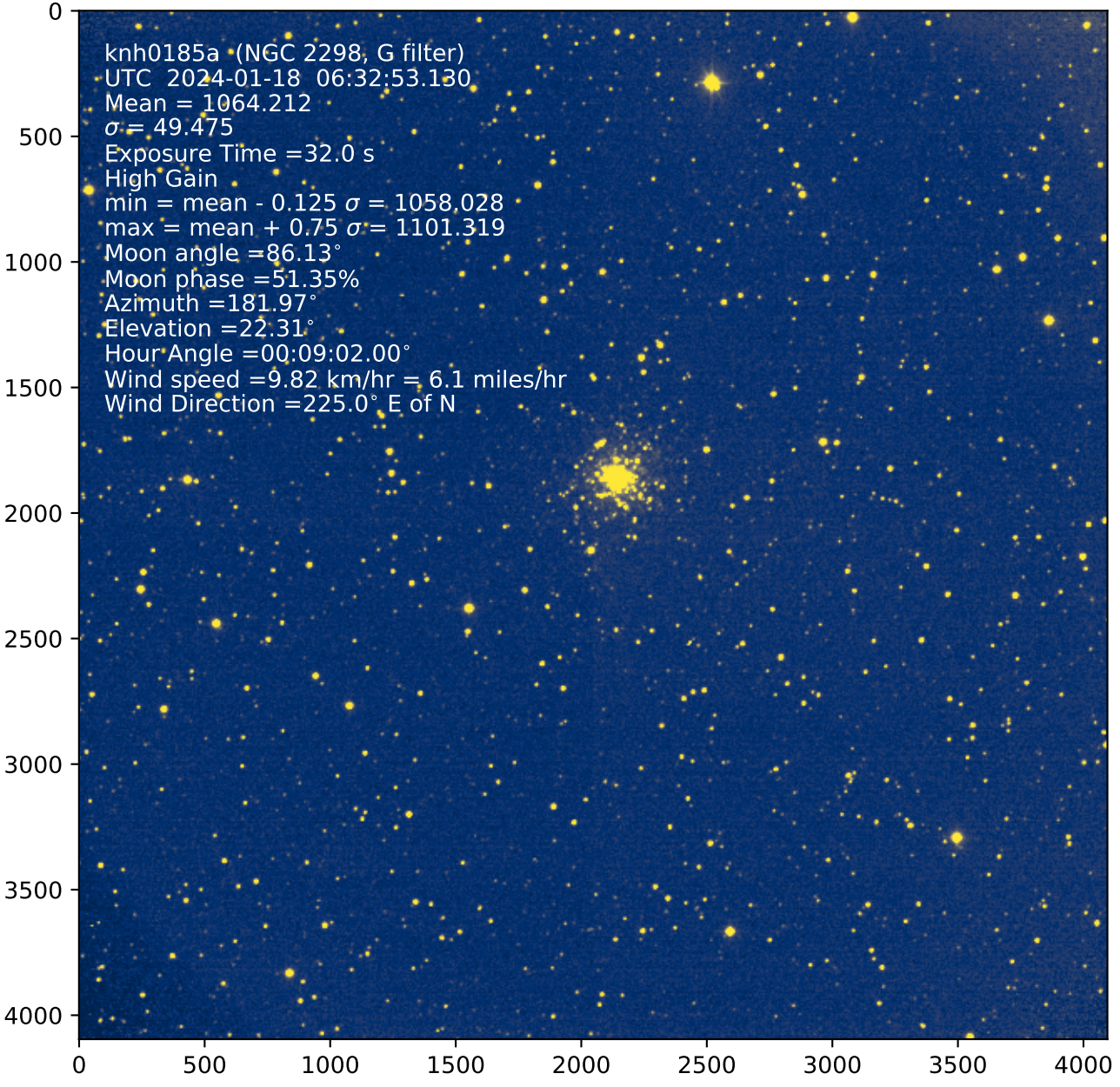
2000
2500
3000
3500
4000


knh0185a (NGC 2298, G filter)
UTC 2024-01-18 06:32:53.130
Mean = 1064.212
σ = 49.475
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.028
max = mean + 0.75 σ = 1101.319
Moon angle =86.13°
Moon phase =51.35%
Azimuth =181.97°
Elevation =22.31°
Hour Angle =00:09:02.00°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
0
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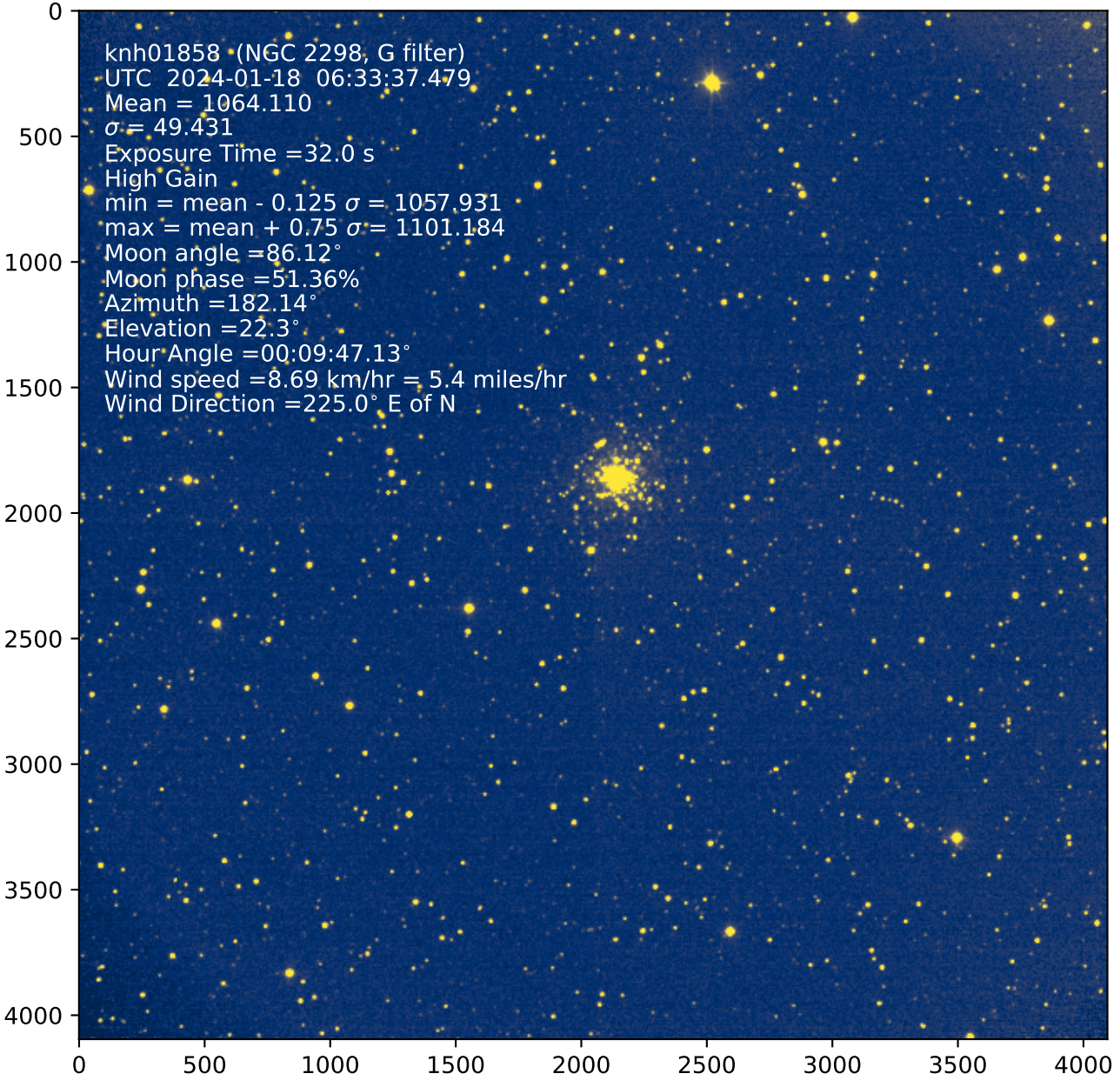
3000
3500
4000


knh01858 (NGC 2298, G filter)
UTC 2024-01-18 06:33:37.479
Mean = 1064.110
σ = 49.431
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.931
max = mean + 0.75 σ = 1101.184
Moon angle =86.12°
Moon phase =51.36%
Azimuth =182.14°
Elevation =22.3°
Hour Angle =00:09:47.13°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =225.0° E of N
0
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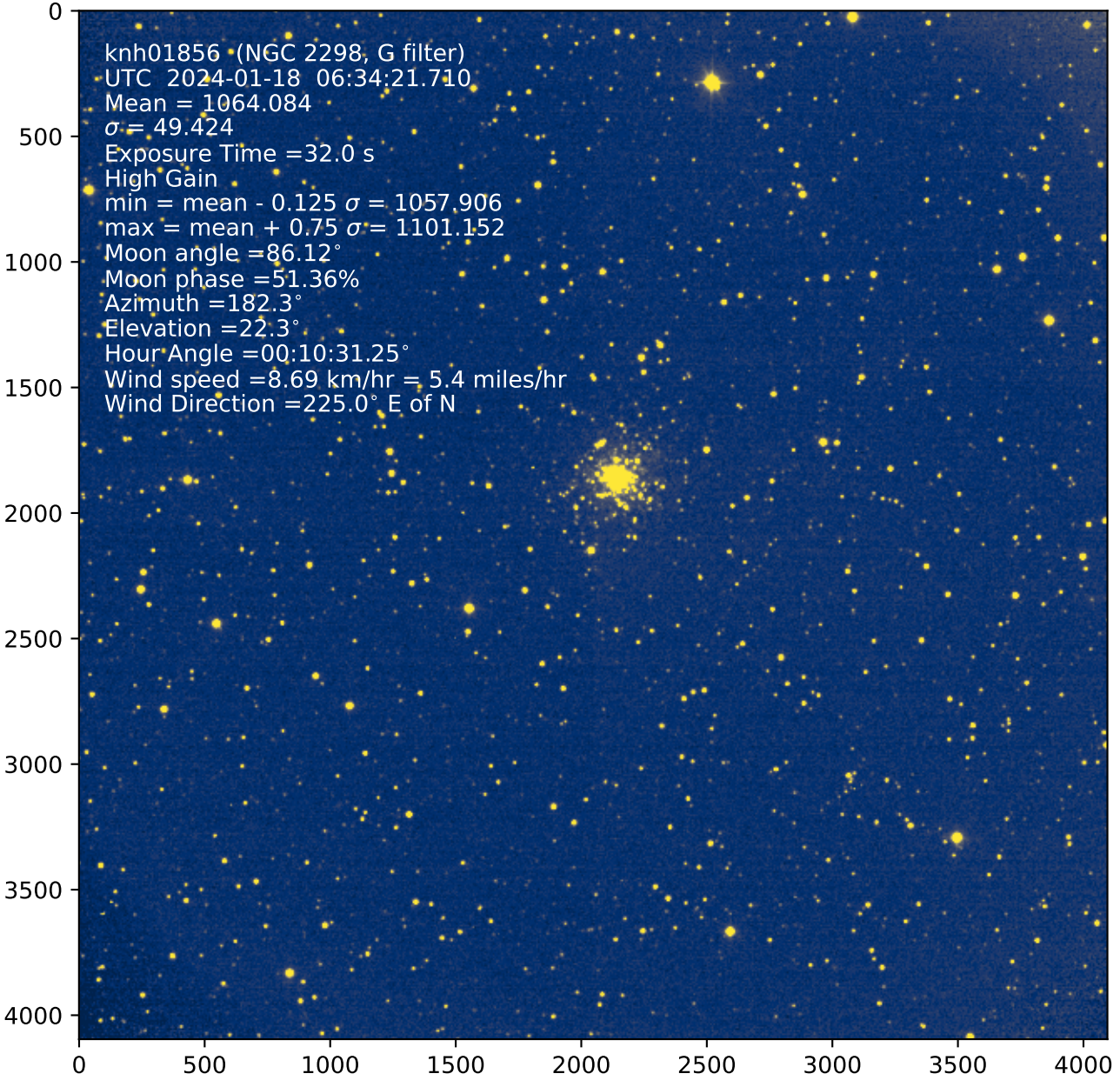
3500
4000


knh01856 (NGC 2298, G filter)
UTC 2024-01-18 06:34:21.710
Mean = 1064.084
σ = 49.424
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.906
max = mean + 0.75 σ = 1101.152
Moon angle =86.12˚
Moon phase =51.36%
Azimuth =182.3˚
Elevation =22.3˚
Hour Angle =00:10:31.25˚
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =225.0˚ E of N
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2500
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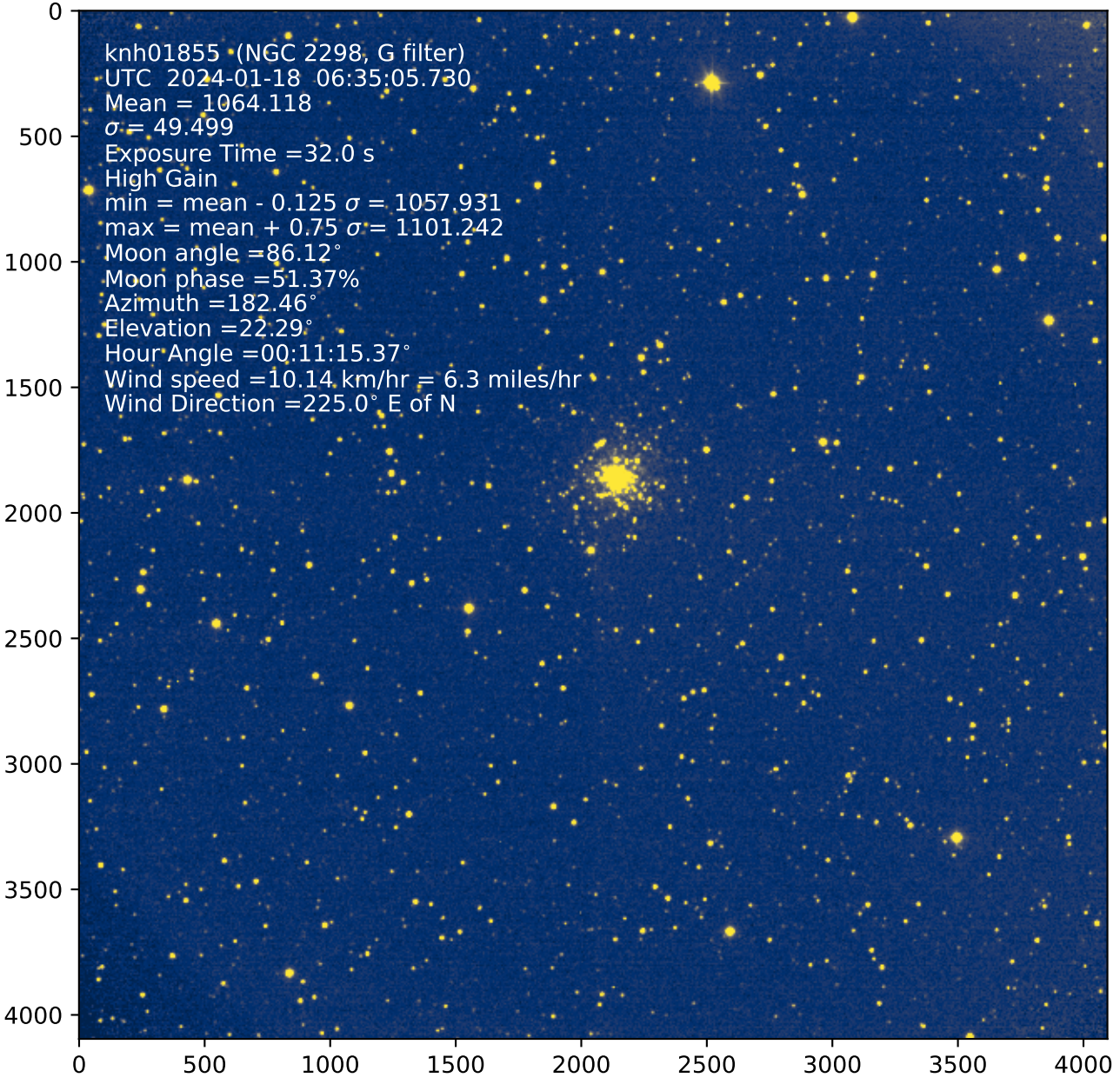
3500
4000


knh01855 (NGC 2298, G filter)
UTC 2024-01-18 06:35:05.730
Mean = 1064.118
σ = 49.499
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.931
max = mean + 0.75 σ = 1101.242
Moon angle =86.12˚
Moon phase =51.37%
Azimuth =182.46˚
Elevation =22.29˚
Hour Angle =00:11:15.37˚
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =225.0˚ E of N
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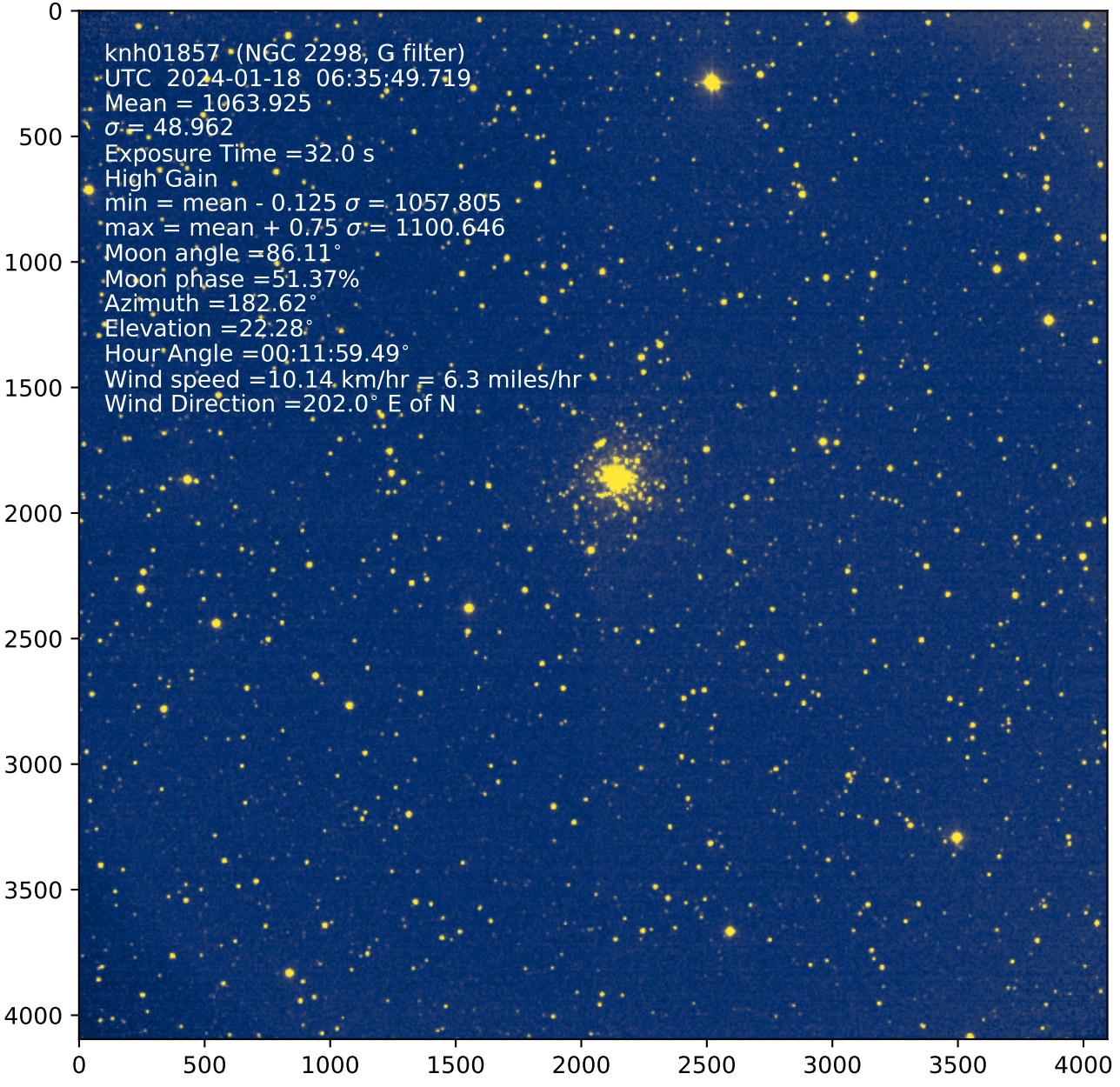
2000
2500
3000
3500
4000


knh01857 (NGC 2298, G filter)
UTC 2024-01-18 06:35:49.719
Mean = 1063.925
σ = 48.962
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.805
max = mean + 0.75 σ = 1100.646
Moon angle =86.11°
Moon phase =51.37%
Azimuth =182.62°
Elevation =22.28°
Hour Angle =00:11:59.49°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0° E of N
0
500
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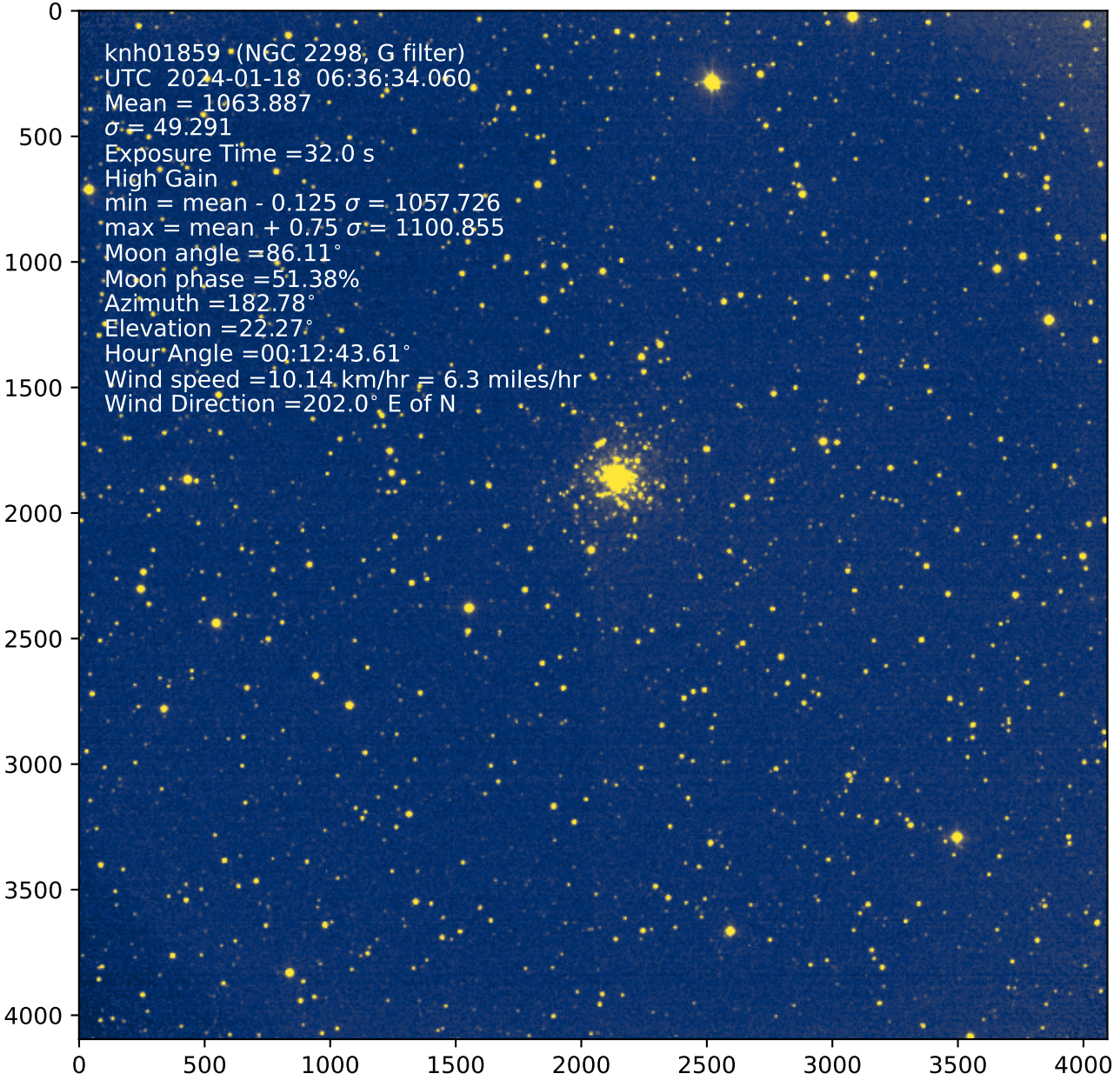
3500
4000


knh01859 (NGC 2298, G filter)
UTC 2024-01-18 06:36:34.060
Mean = 1063.887
σ = 49.291
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.726
max = mean + 0.75 σ = 1100.855
Moon angle =86.11˚
Moon phase =51.38%
Azimuth =182.78˚
Elevation =22.27˚
Hour Angle =00:12:43.61˚
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0˚ E of N
0
500
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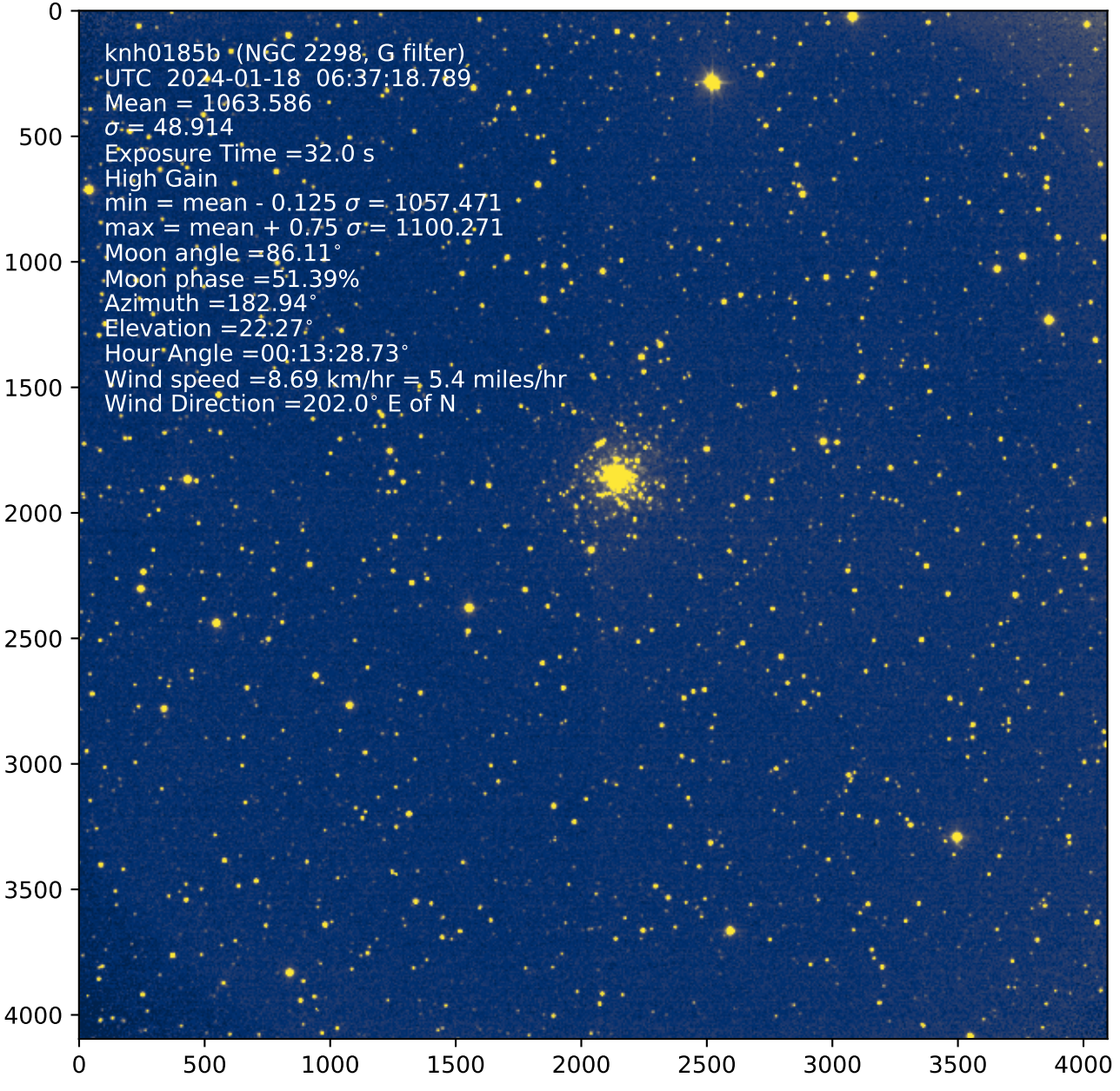
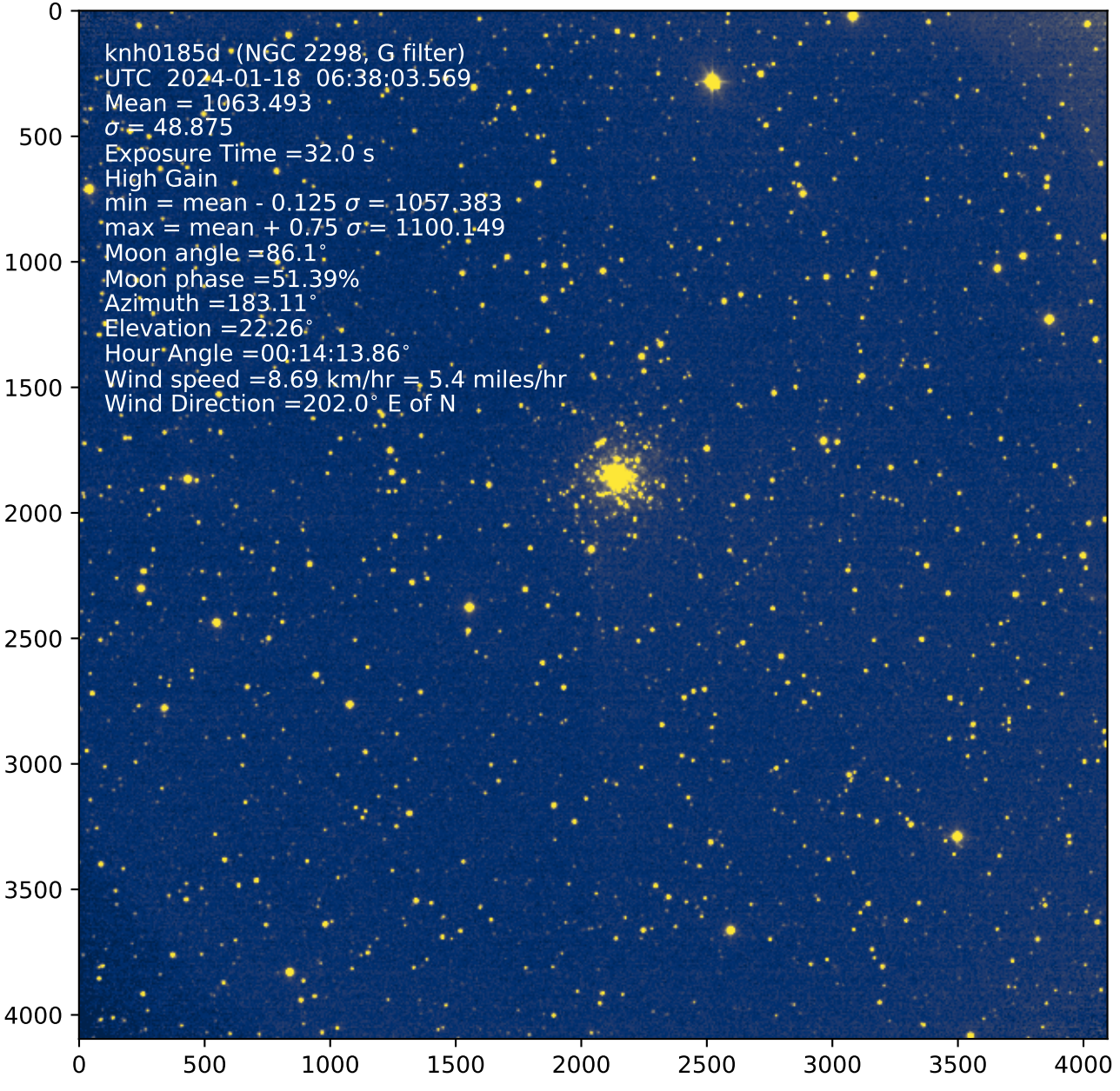
3500
4000


knh0185b (NGC 2298, G filter)
UTC 2024-01-18 06:37:18.789
Mean = 1063.586
σ = 48.914
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.471
max = mean + 0.75 σ = 1100.271
Moon angle =86.11°
Moon phase =51.39%
Azimuth =182.94°
Elevation =22.27°
Hour Angle =00:13:28.73°
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


knh0185d (NGC 2298, G filter)
UTC 2024-01-18 06:38:03.569
Mean = 1063.493
σ = 48.875
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.383
max = mean + 0.75 σ = 1100.149
Moon angle =86.1°
Moon phase =51.39%
Azimuth =183.11°
Elevation =22.26°
Hour Angle =00:14:13.86°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =202.0° E of N
0
500
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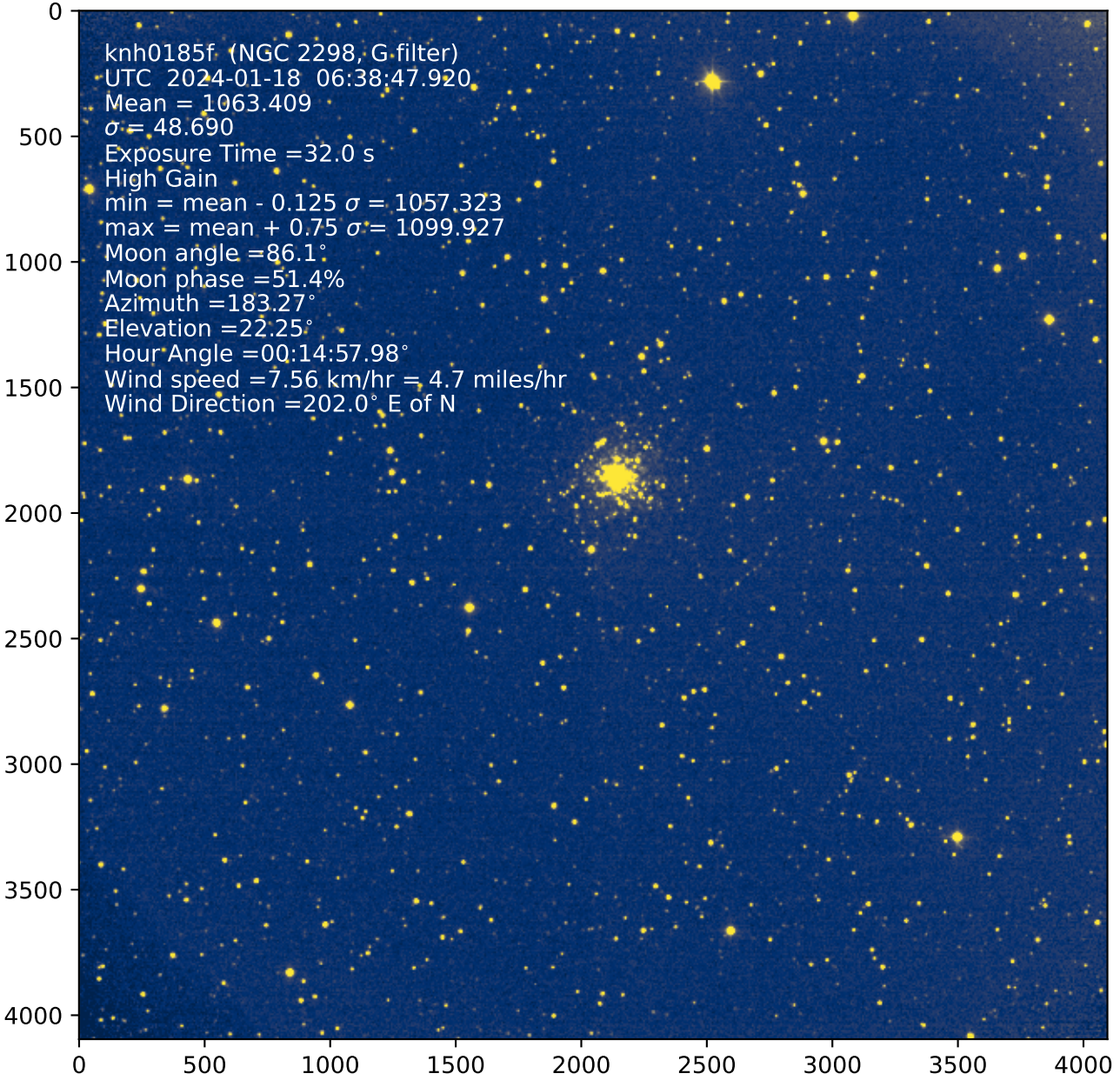
2000
2500
3000
3500
4000


knh0185f (NGC 2298, G filter)
UTC 2024-01-18 06:38:47.920
Mean = 1063.409
σ = 48.690
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.323
max = mean + 0.75 σ = 1099.927
Moon angle =86.1°
Moon phase =51.4%
Azimuth =183.27°
Elevation =22.25°
Hour Angle =00:14:57.98°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =202.0° E of N
0
500
1000
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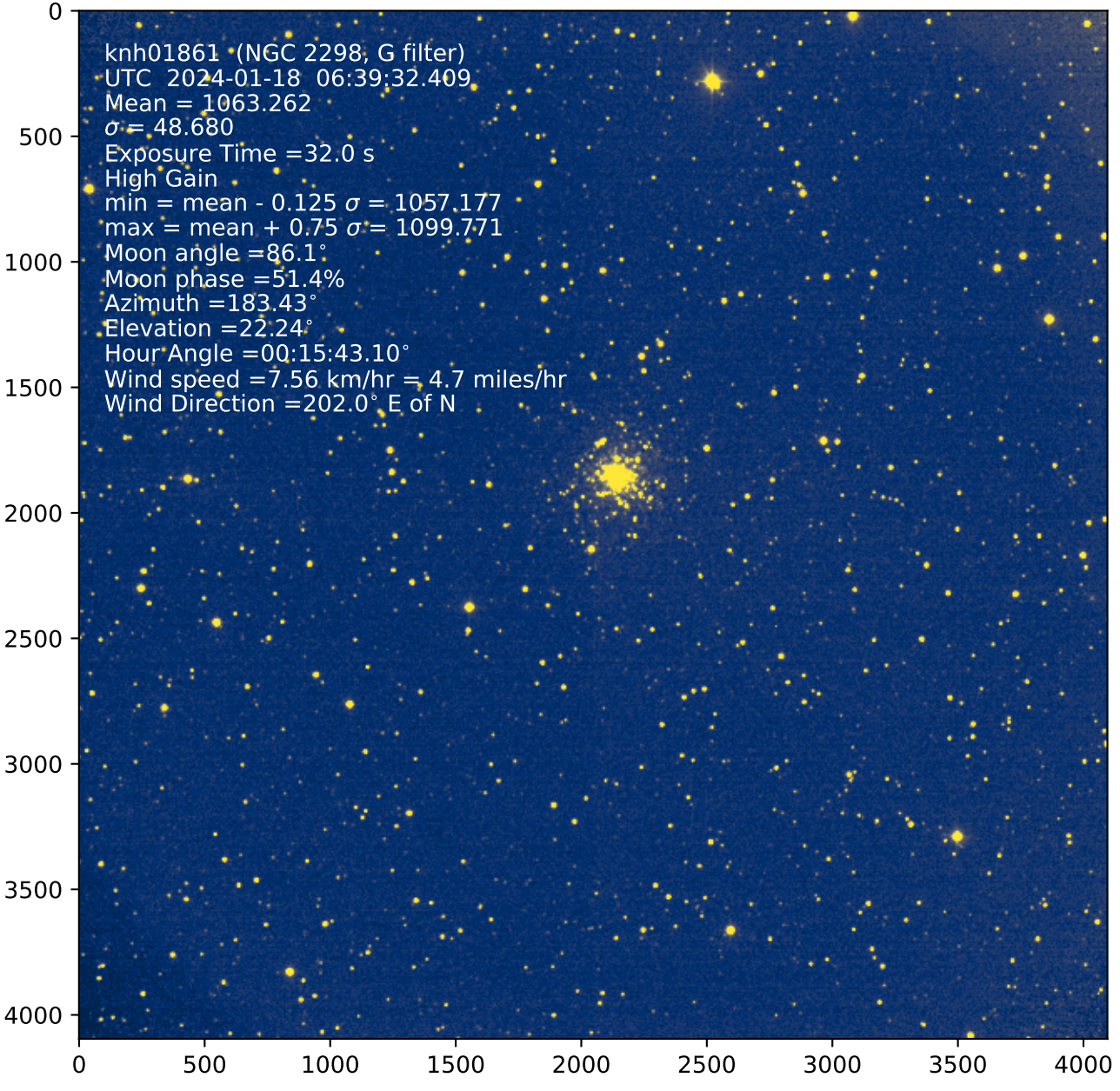
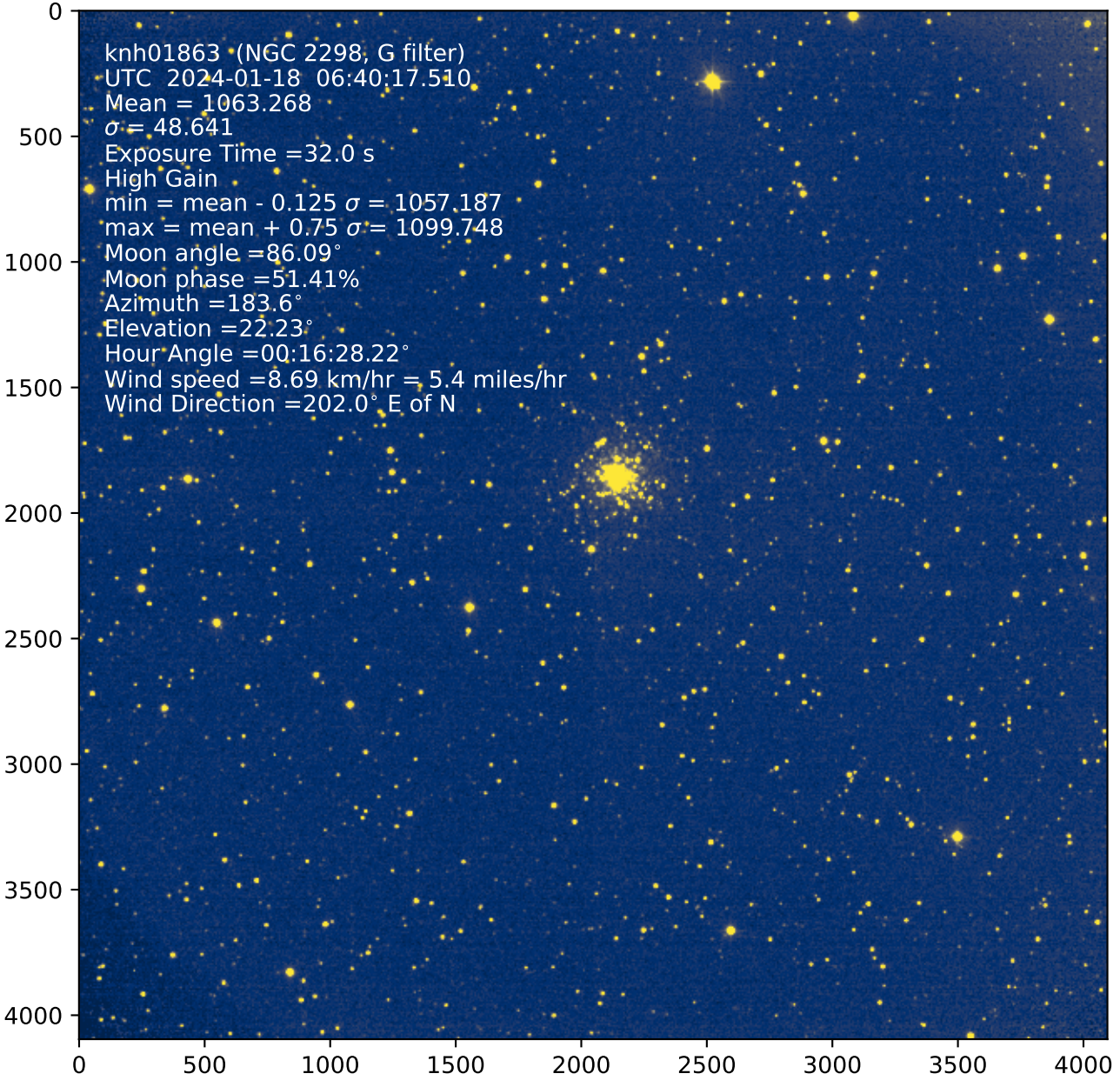
2000
2500
3000
3500
4000


knh01861 (NGC 2298, G filter)
UTC 2024-01-18 06:39:32.409
Mean = 1063.262
σ = 48.680
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.177
max = mean + 0.75 σ = 1099.771
Moon angle =86.1°
Moon phase =51.4%
Azimuth =183.43°
Elevation =22.24°
Hour Angle =00:15:43.10°
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


knh01863 (NGC 2298, G filter)
UTC 2024-01-18 06:40:17.510
Mean = 1063.268
σ = 48.641
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.187
max = mean + 0.75 σ = 1099.748
Moon angle =86.09°
Moon phase =51.41%
Azimuth =183.6°
Elevation =22.23°
Hour Angle =00:16:28.22°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =202.0° E of N
0
500
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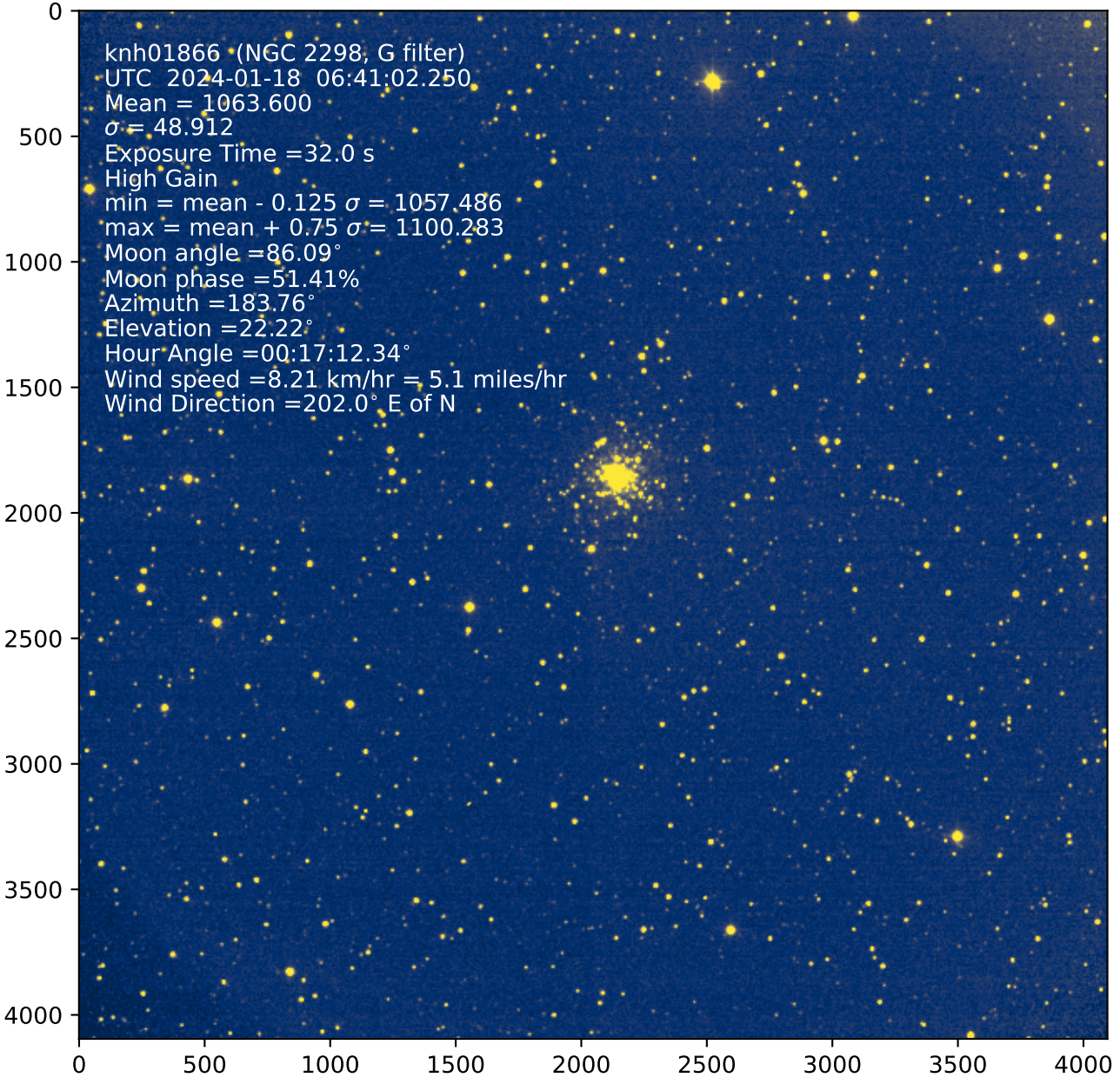
2500
3000
3500
4000


knh01866 (NGC 2298, G filter)
UTC 2024-01-18 06:41:02.250
Mean = 1063.600
σ = 48.912
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1057.486
max = mean + 0.75 σ = 1100.283
Moon angle =86.09°
Moon phase =51.41%
Azimuth =183.76°
Elevation =22.22°
Hour Angle =00:17:12.34°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =202.0° E of N
0
500
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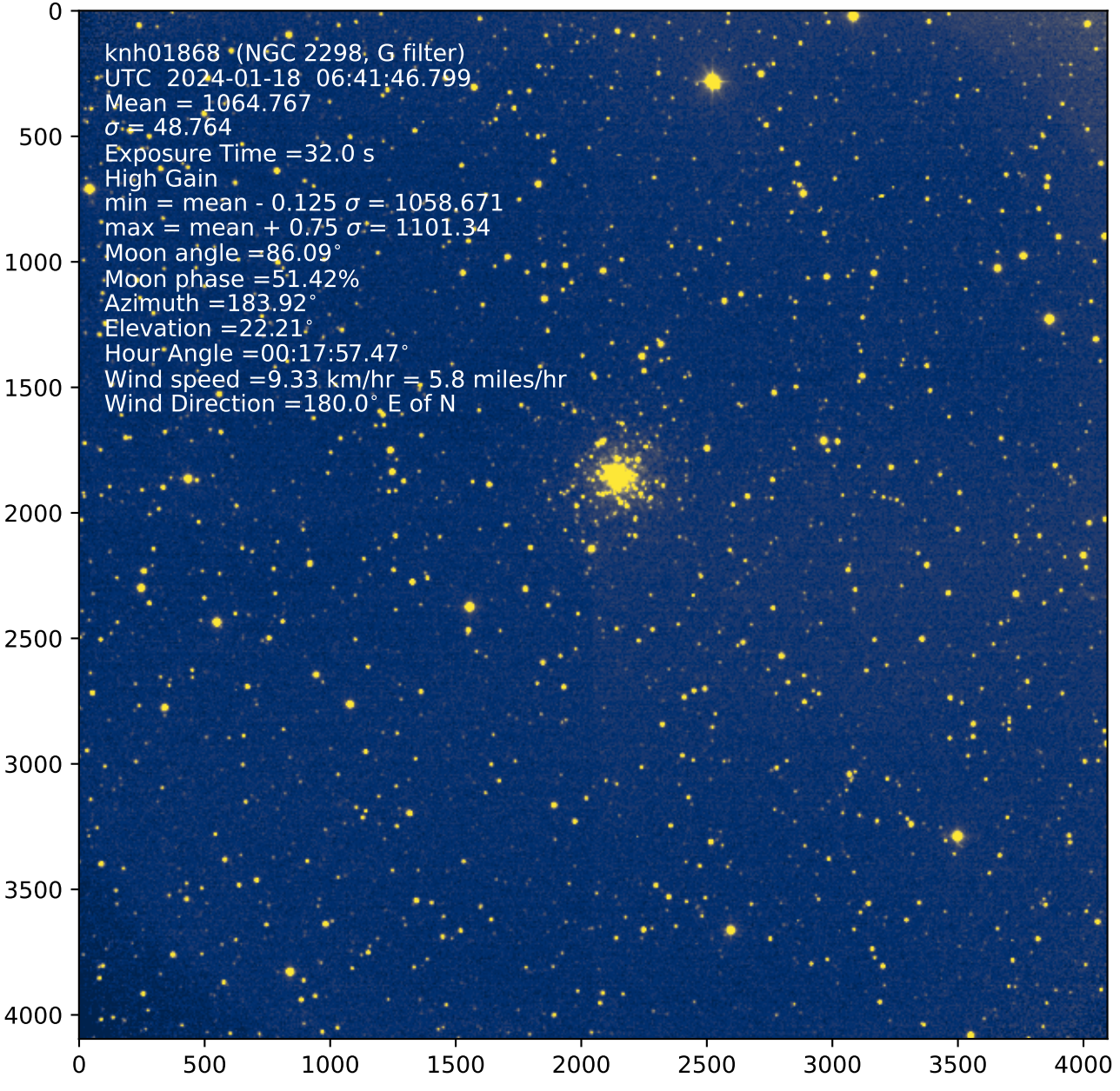
4000


knh01868 (NGC 2298, G filter)
UTC 2024-01-18 06:41:46.799
Mean = 1064.767
σ = 48.764
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1058.671
max = mean + 0.75 σ = 1101.34
Moon angle =86.09°
Moon phase =51.42%
Azimuth =183.92°
Elevation =22.21°
Hour Angle =00:17:57.47°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =180.0° E of N
0
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2000
2500
3000
3500
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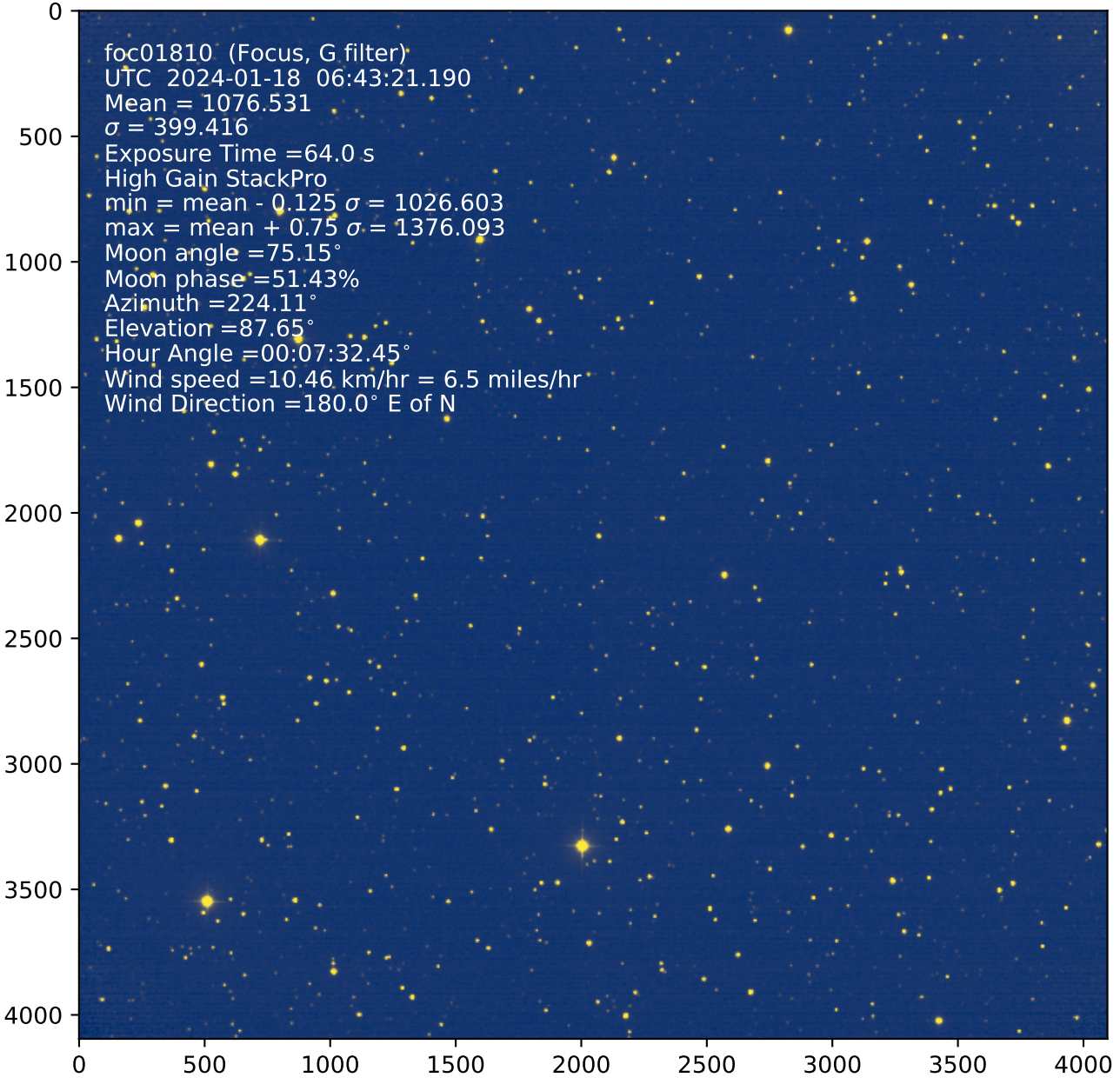
foc01810 (Focus, G filter)
UTC 2024-01-18 06:43:21.190
Mean = 1076.531
σ = 399.416
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1026.603
max = mean + 0.75 σ = 1376.093
Moon angle =75.15°
Moon phase =51.43%
Azimuth =224.11°
Elevation =87.65°
Hour Angle =00:07:32.45°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =180.0° E of N
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2500
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3500
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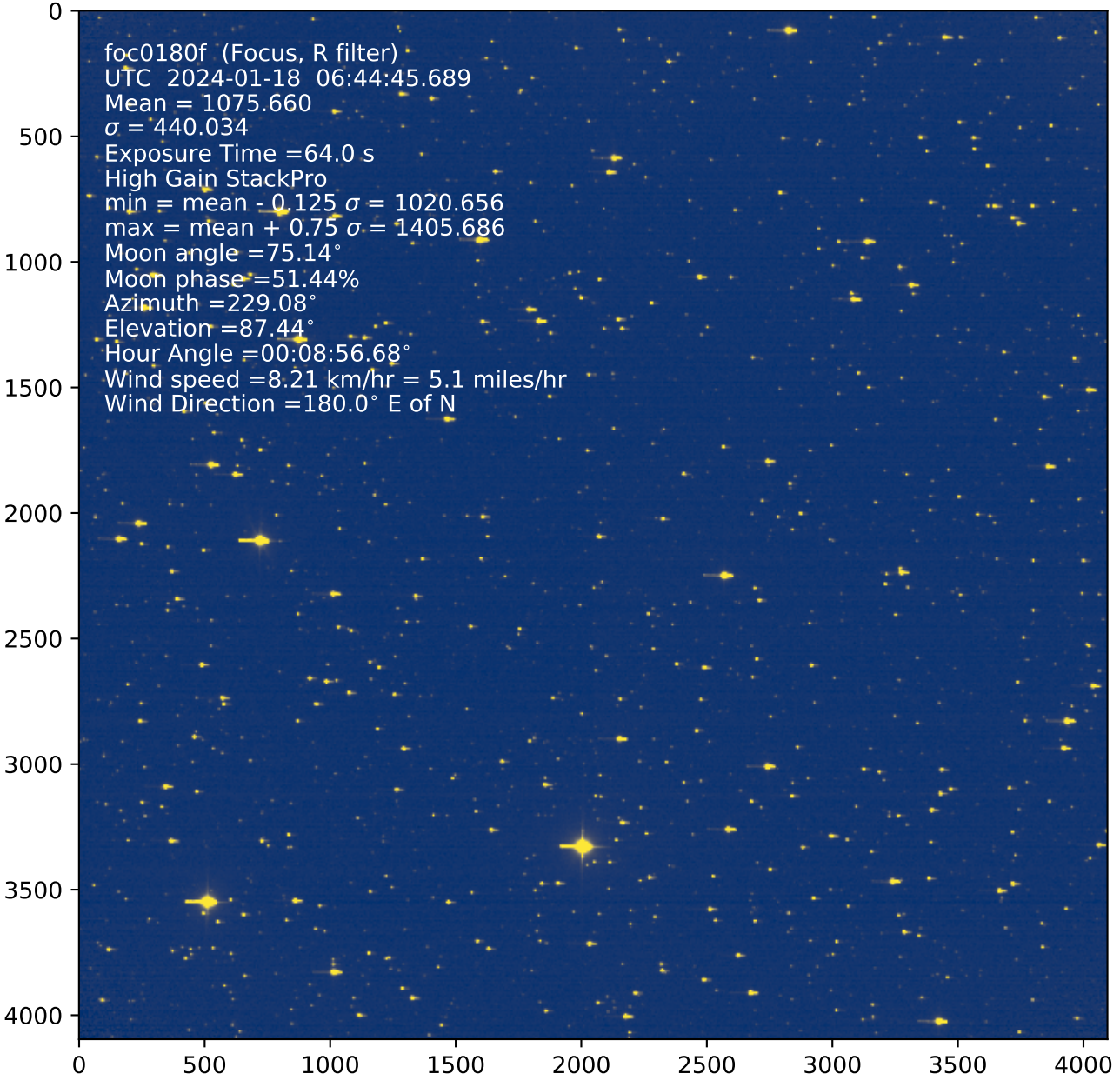
foc0180f (Focus, R filter)
UTC 2024-01-18 06:44:45.689
Mean = 1075.660
σ = 440.034
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1020.656
max = mean + 0.75 σ = 1405.686
Moon angle =75.14°
Moon phase =51.44%
Azimuth =229.08°
Elevation =87.44°
Hour Angle =00:08:56.68°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =180.0° E of N
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2500
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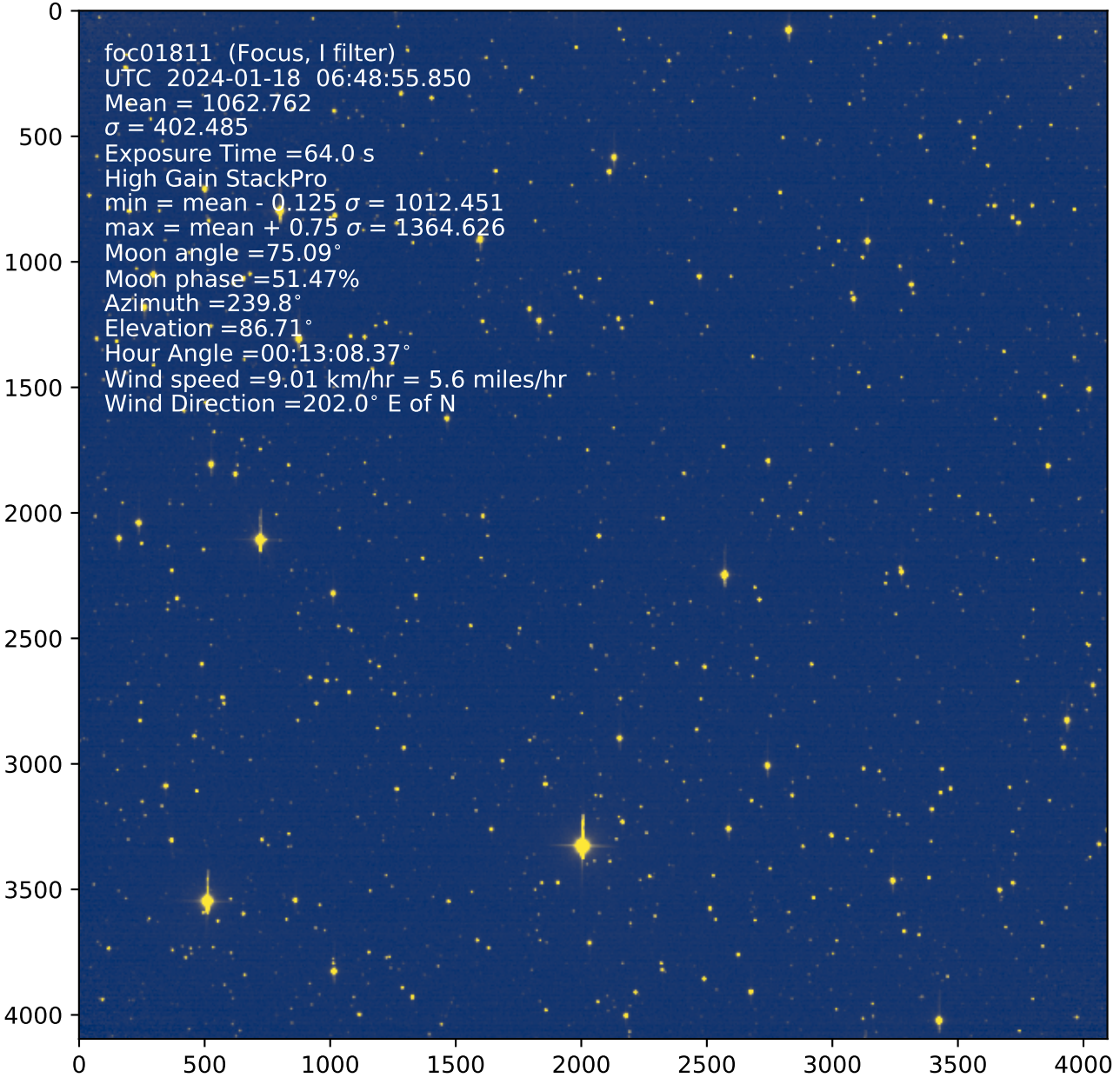
foc01811 (Focus, I filter)
UTC 2024-01-18 06:48:55.850
Mean = 1062.762
σ = 402.485
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1012.451
max = mean + 0.75 σ = 1364.626
Moon angle =75.09°
Moon phase =51.47%
Azimuth =239.8°
Elevation =86.71°
Hour Angle =00:13:08.37°
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =202.0° E of N
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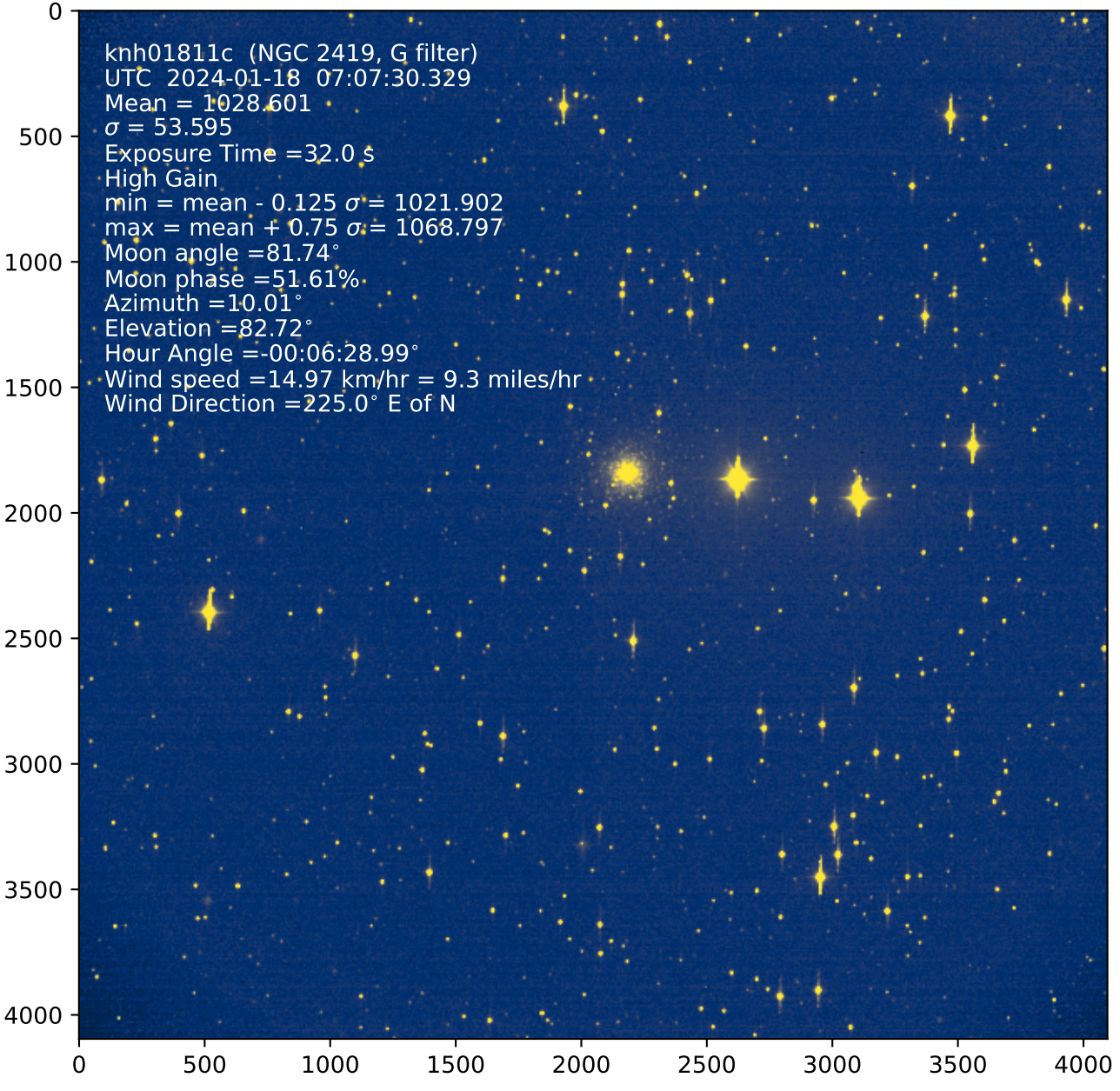
2500
3000
3500
4000


knh01811c (NGC 2419, G filter)
UTC 2024-01-18 07:07:30.329
Mean = 1028.601
σ = 53.595
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.902
max = mean + 0.75 σ = 1068.797
Moon angle =81.74°
Moon phase =51.61%
Azimuth =10.01°
Elevation =82.72°
Hour Angle =-00:06:28.99°
Wind speed =14.97 km/hr = 9.3 miles/hr
Wind Direction =225.0° E of N
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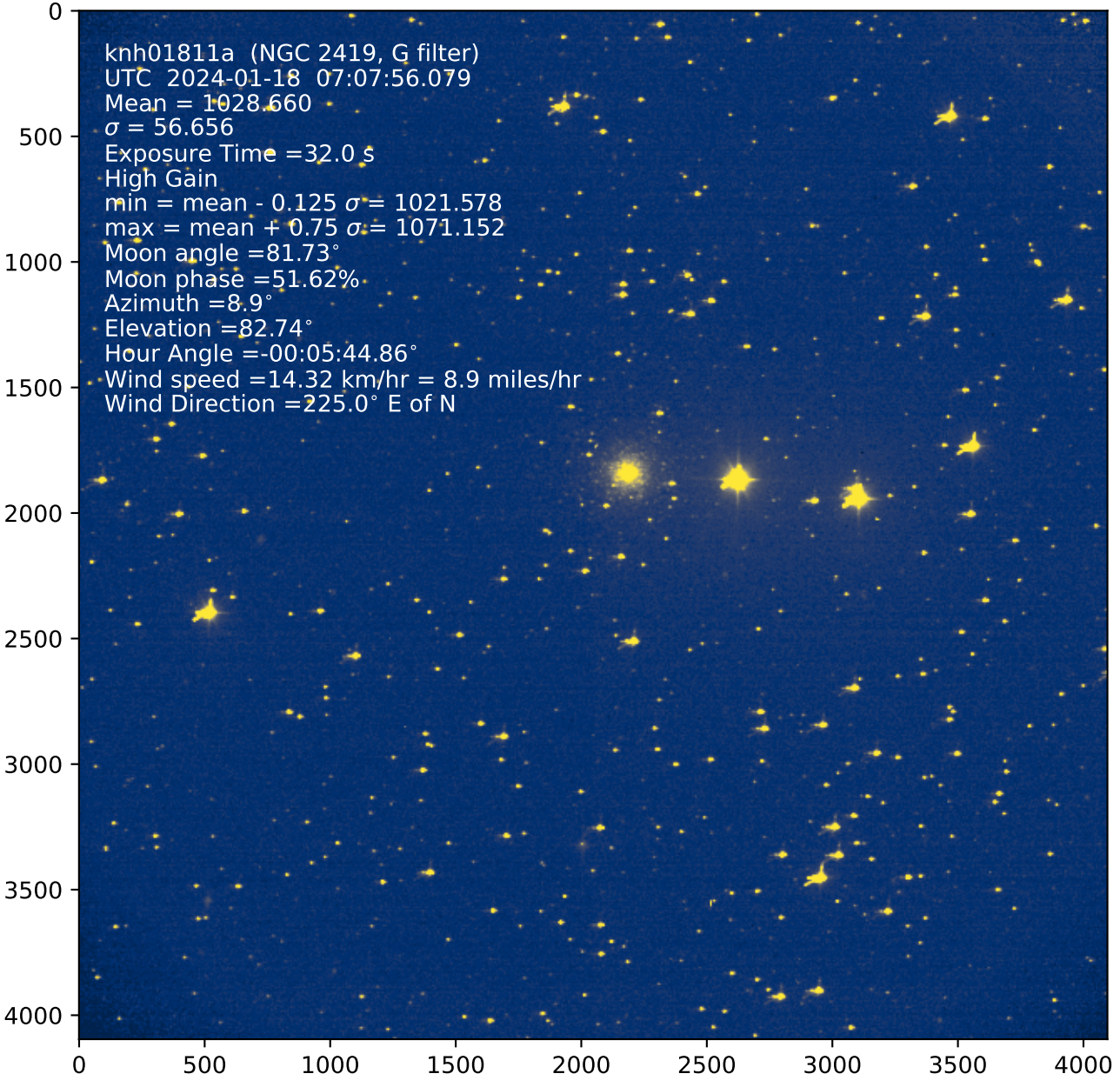
knh01811a (NGC 2419, G filter)
UTC 2024-01-18 07:07:56.079
Mean = 1028.660
σ = 56.656
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.578
max = mean + 0.75 σ = 1071.152
Moon angle =81.73°
Moon phase =51.62%
Azimuth =8.9°
Elevation =82.74°
Hour Angle =-00:05:44.86°
Wind speed =14.32 km/hr = 8.9 miles/hr
Wind Direction =225.0° E of N
0
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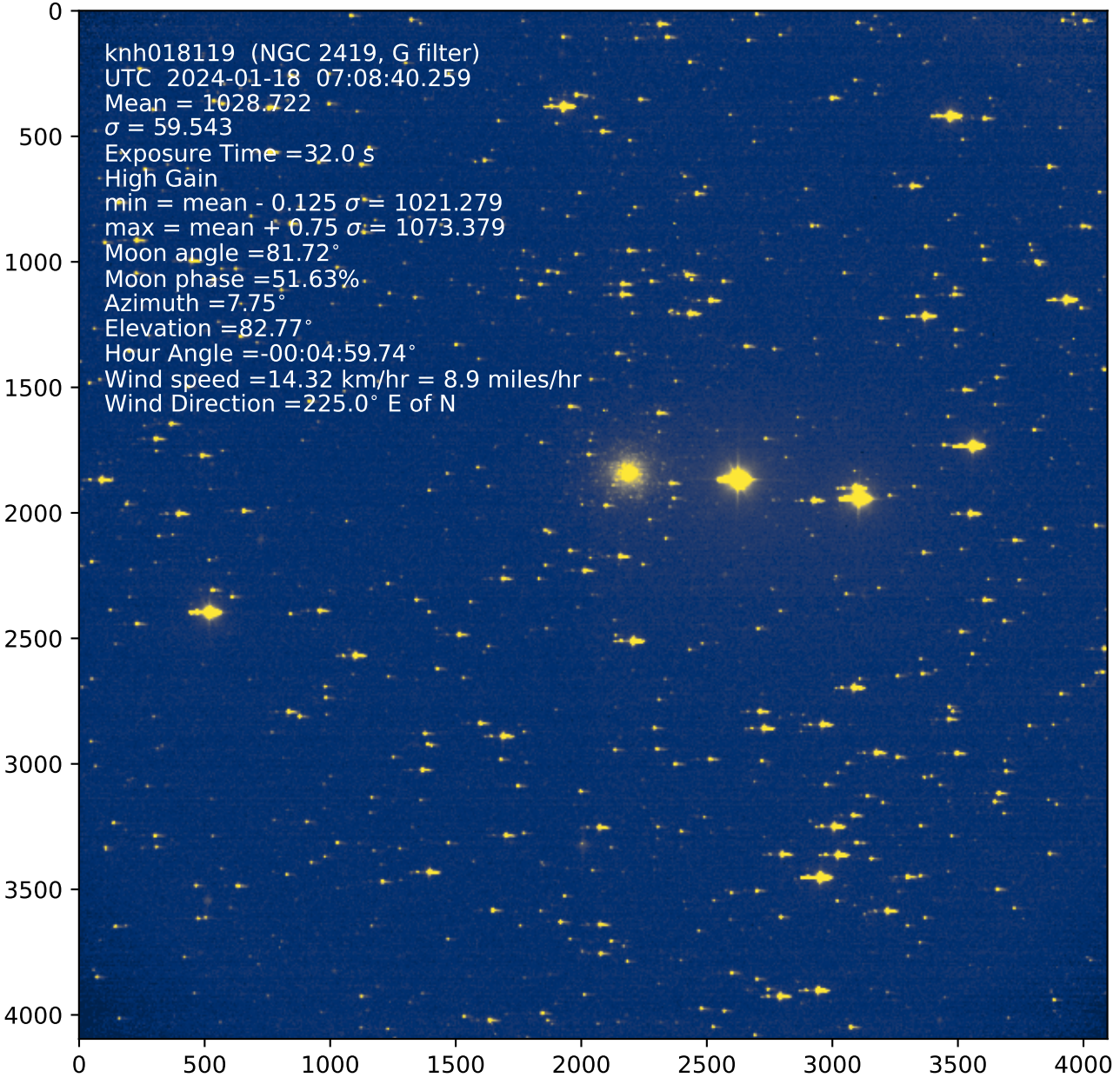
4000


knh018119 (NGC 2419, G filter)
UTC 2024-01-18 07:08:40.259
Mean = 1028.722
σ = 59.543
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.279
max = mean + 0.75 σ = 1073.379
Moon angle =81.72°
Moon phase =51.63%
Azimuth =7.75°
Elevation =82.77°
Hour Angle =-00:04:59.74°
Wind speed =14.32 km/hr = 8.9 miles/hr
Wind Direction =225.0° E of N
0
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2500
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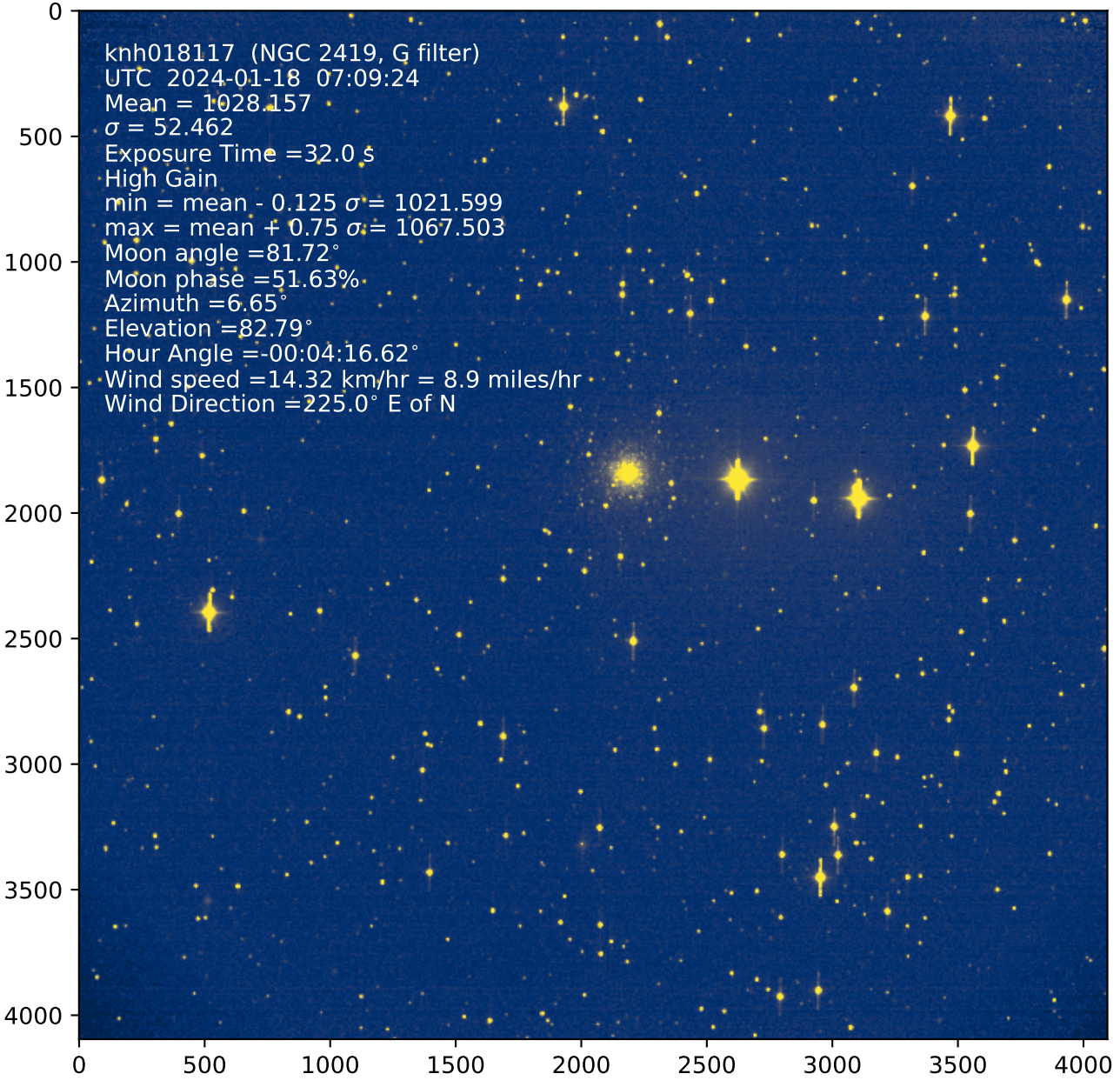
3500
4000


knh018117 (NGC 2419, G filter)
UTC 2024-01-18 07:09:24
Mean = 1028.157
σ = 52.462
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.599
max = mean + 0.75 σ = 1067.503
Moon angle =81.72°
Moon phase =51.63%
Azimuth =6.65°
Elevation =82.79°
Hour Angle =-00:04:16.62°
Wind speed =14.32 km/hr = 8.9 miles/hr
Wind Direction =225.0° E of N
0
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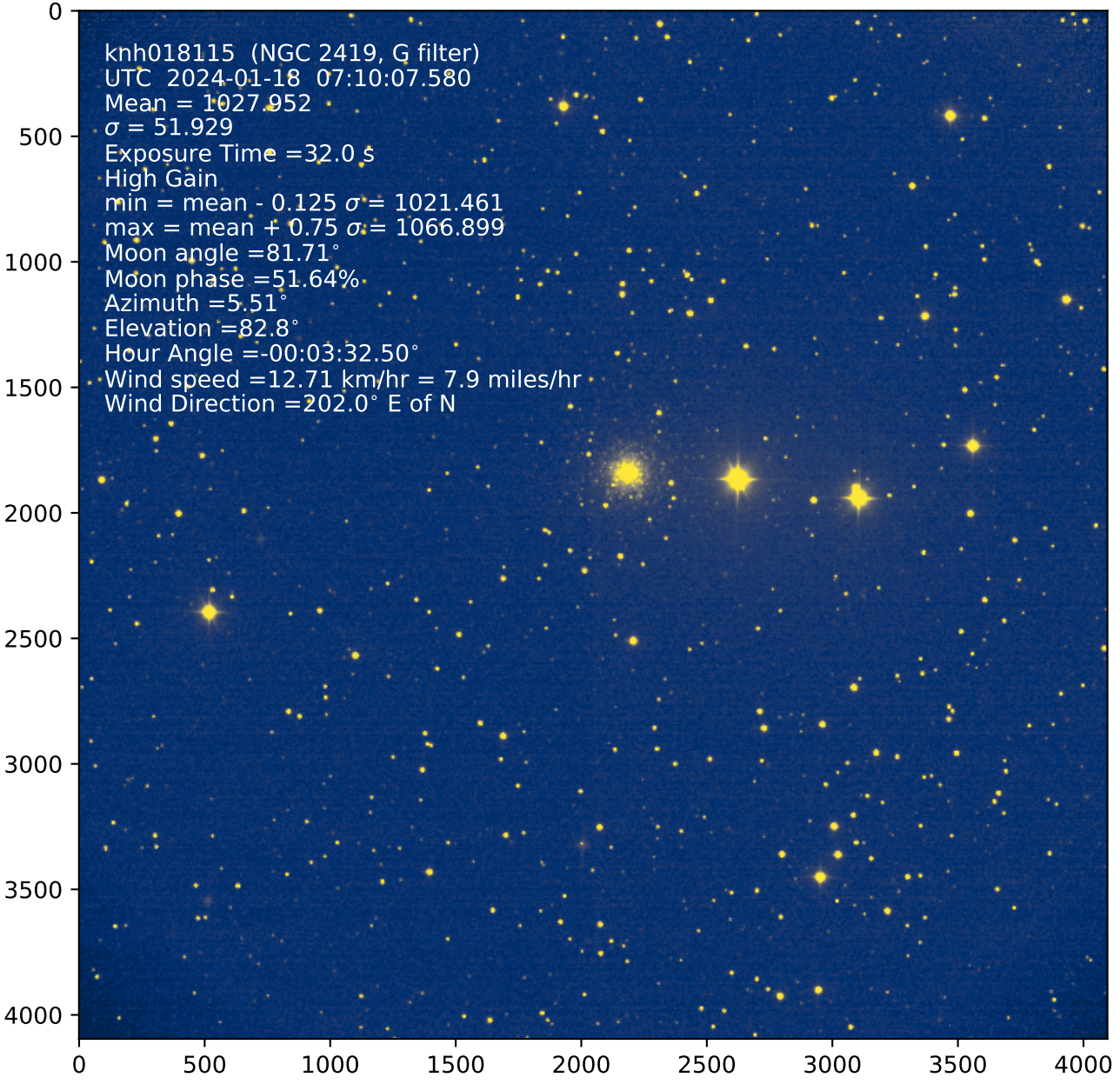
3000
3500
4000


knh018115 (NGC 2419, G filter)
UTC 2024-01-18 07:10:07.580
Mean = 1027.952
σ = 51.929
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.461
max = mean + 0.75 σ = 1066.899
Moon angle =81.71°
Moon phase =51.64%
Azimuth =5.51°
Elevation =82.8°
Hour Angle =-00:03:32.50°
Wind speed =12.71 km/hr = 7.9 miles/hr
Wind Direction =202.0° E of N
0
500
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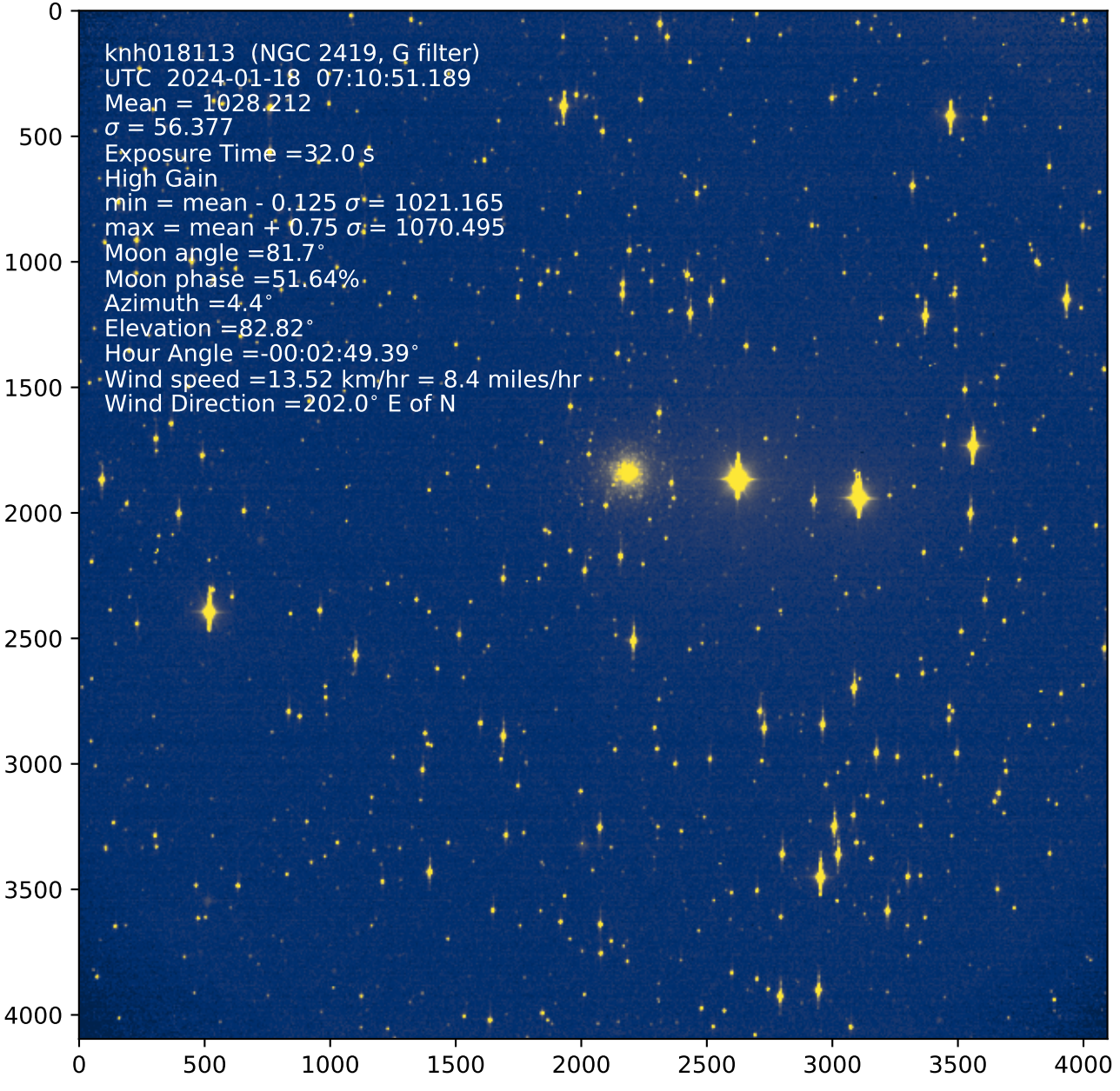
3000
3500
4000


knh018113 (NGC 2419, G filter)
UTC 2024-01-18 07:10:51.189
Mean = 1028.212
σ = 56.377
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.165
max = mean + 0.75 σ = 1070.495
Moon angle =81.7°
Moon phase =51.64%
Azimuth =4.4°
Elevation =82.82°
Hour Angle =-00:02:49.39°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =202.0° E of N
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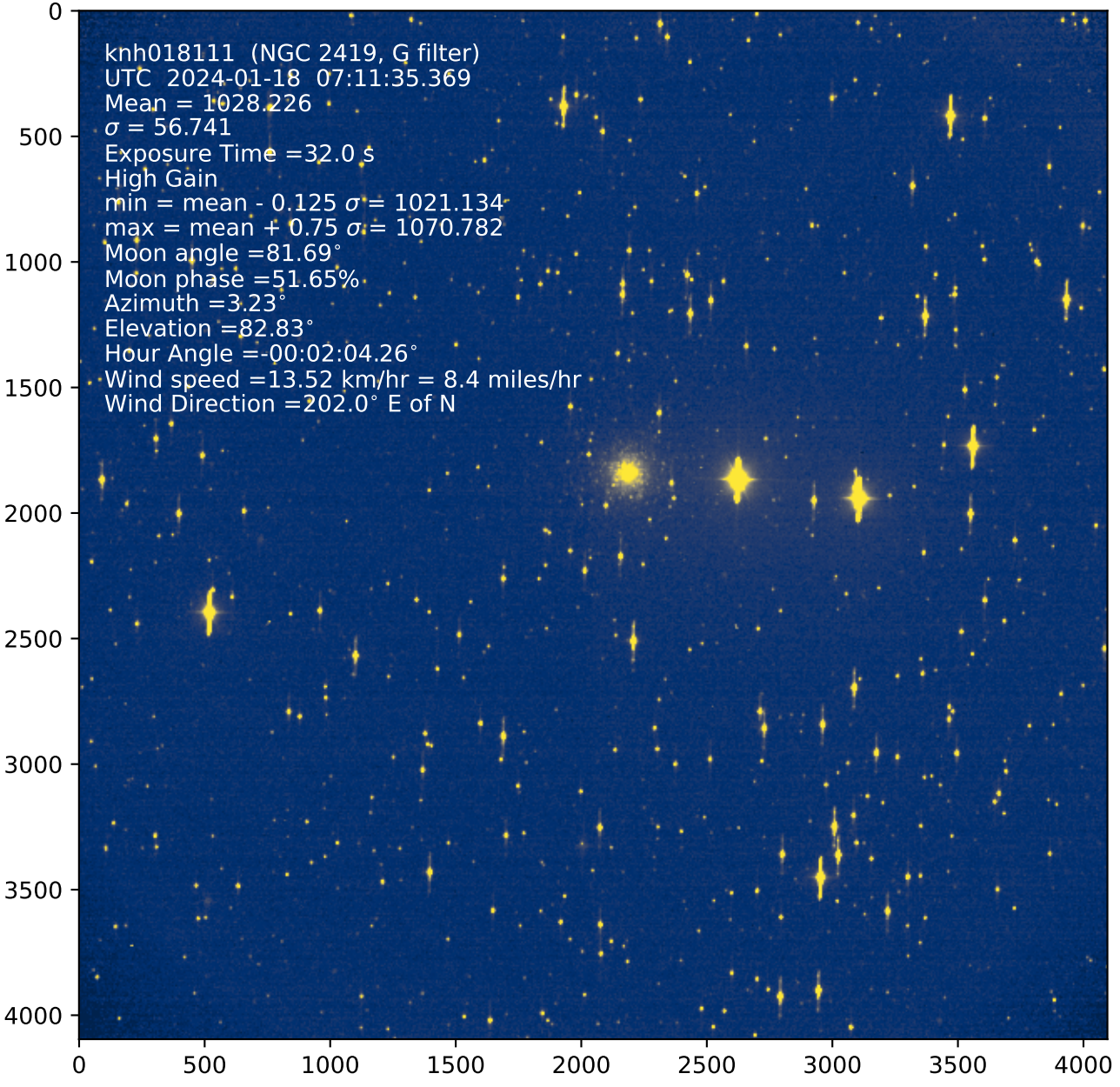
knh018111 (NGC 2419, G filter)
UTC 2024-01-18 07:11:35.369
Mean = 1028.226
σ = 56.741
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.134
max = mean + 0.75 σ = 1070.782
Moon angle =81.69°
Moon phase =51.65%
Azimuth =3.23°
Elevation =82.83°
Hour Angle =-00:02:04.26°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =202.0° E of N
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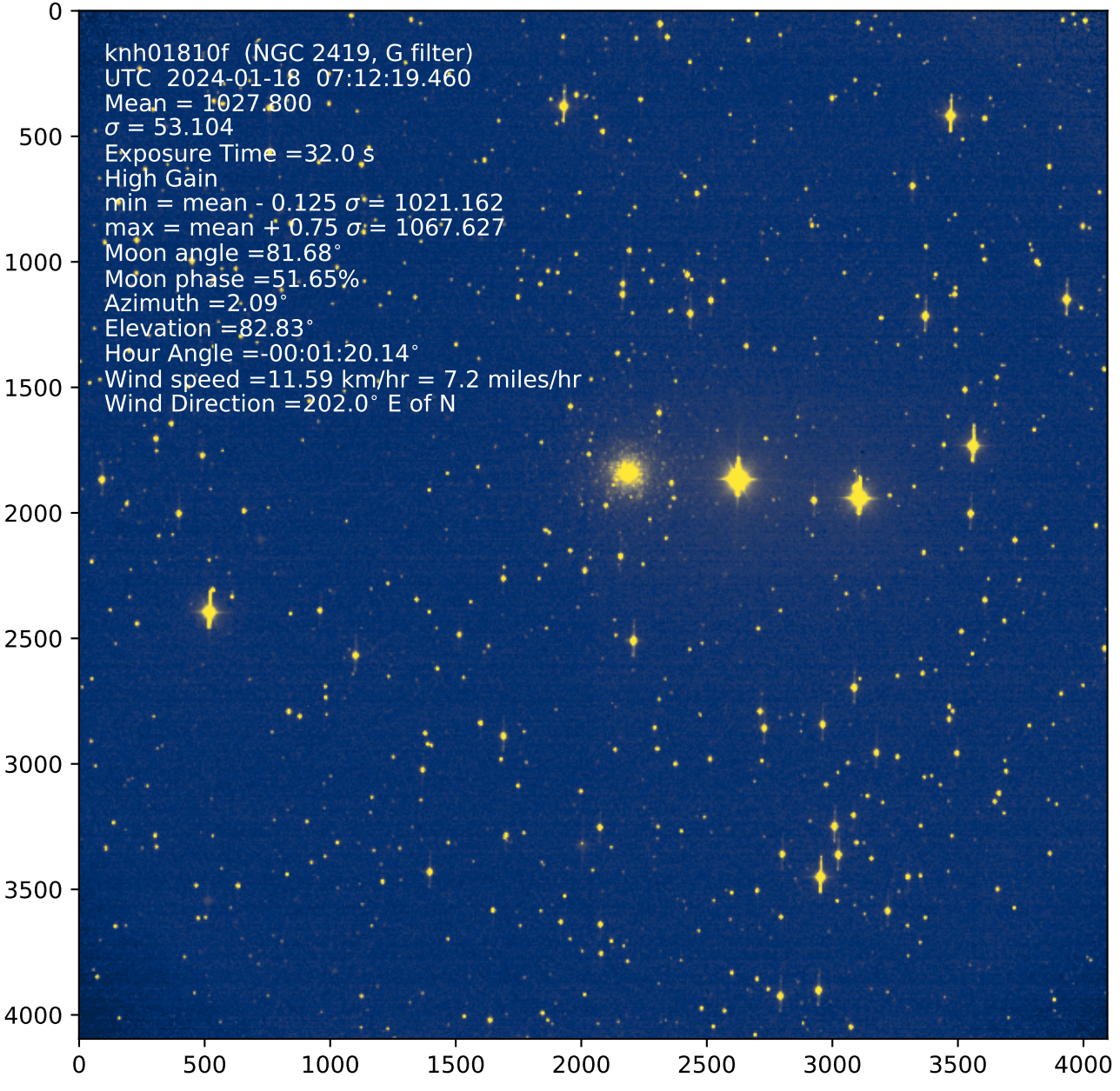
knh01810f (NGC 2419, G filter)
UTC 2024-01-18 07:12:19.460
Mean = 1027.800
σ = 53.104
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.162
max = mean + 0.75 σ = 1067.627
Moon angle =81.68°
Moon phase =51.65%
Azimuth =2.09°
Elevation =82.83°
Hour Angle =-00:01:20.14°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =202.0° E of N
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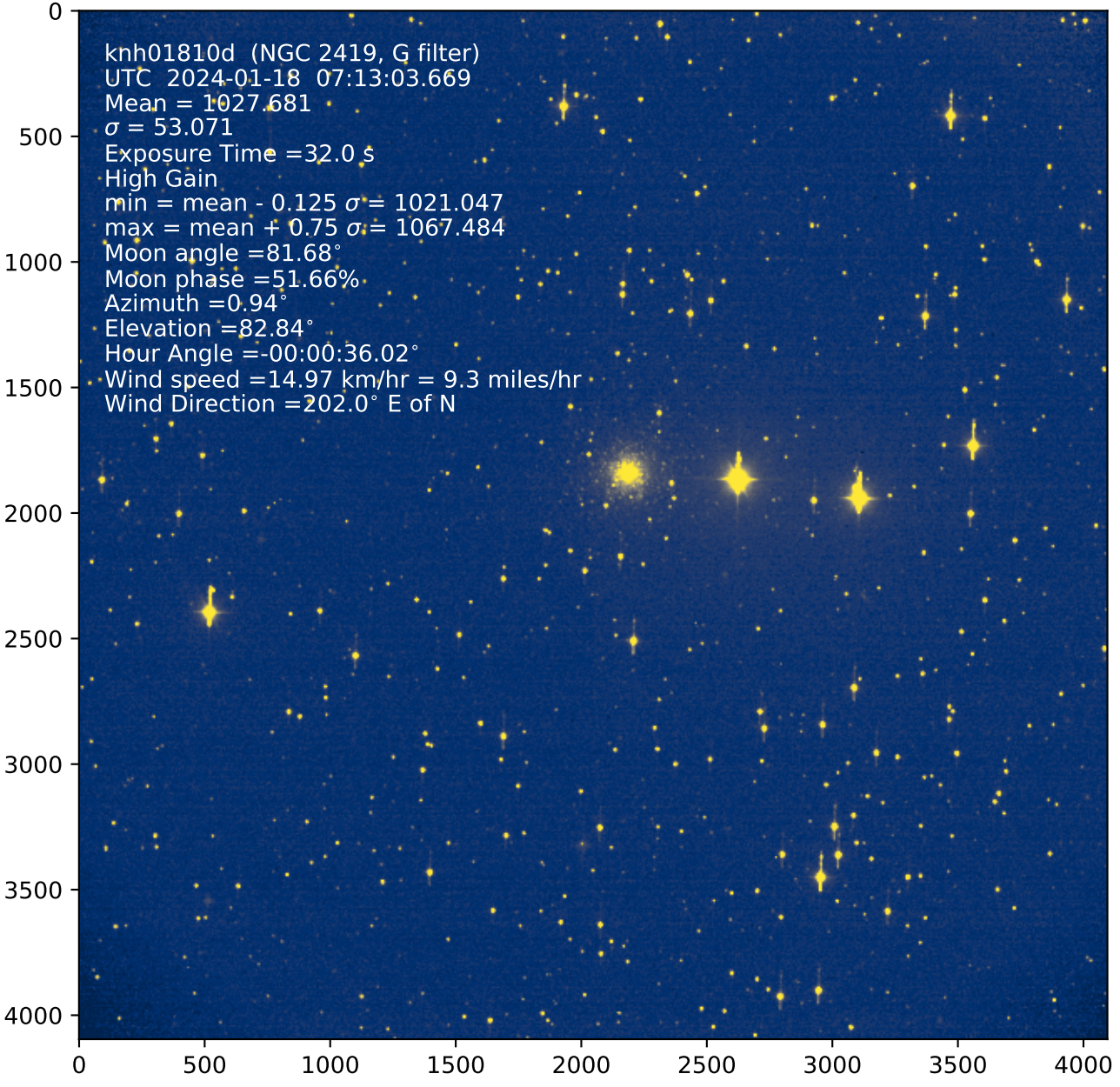
3500
4000


knh01810d (NGC 2419, G filter)
UTC 2024-01-18 07:13:03.669
Mean = 1027.681
σ = 53.071
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.047
max = mean + 0.75 σ = 1067.484
Moon angle =81.68°
Moon phase =51.66%
Azimuth =0.94°
Elevation =82.84°
Hour Angle =-00:00:36.02°
Wind speed =14.97 km/hr = 9.3 miles/hr
Wind Direction =202.0° E of N
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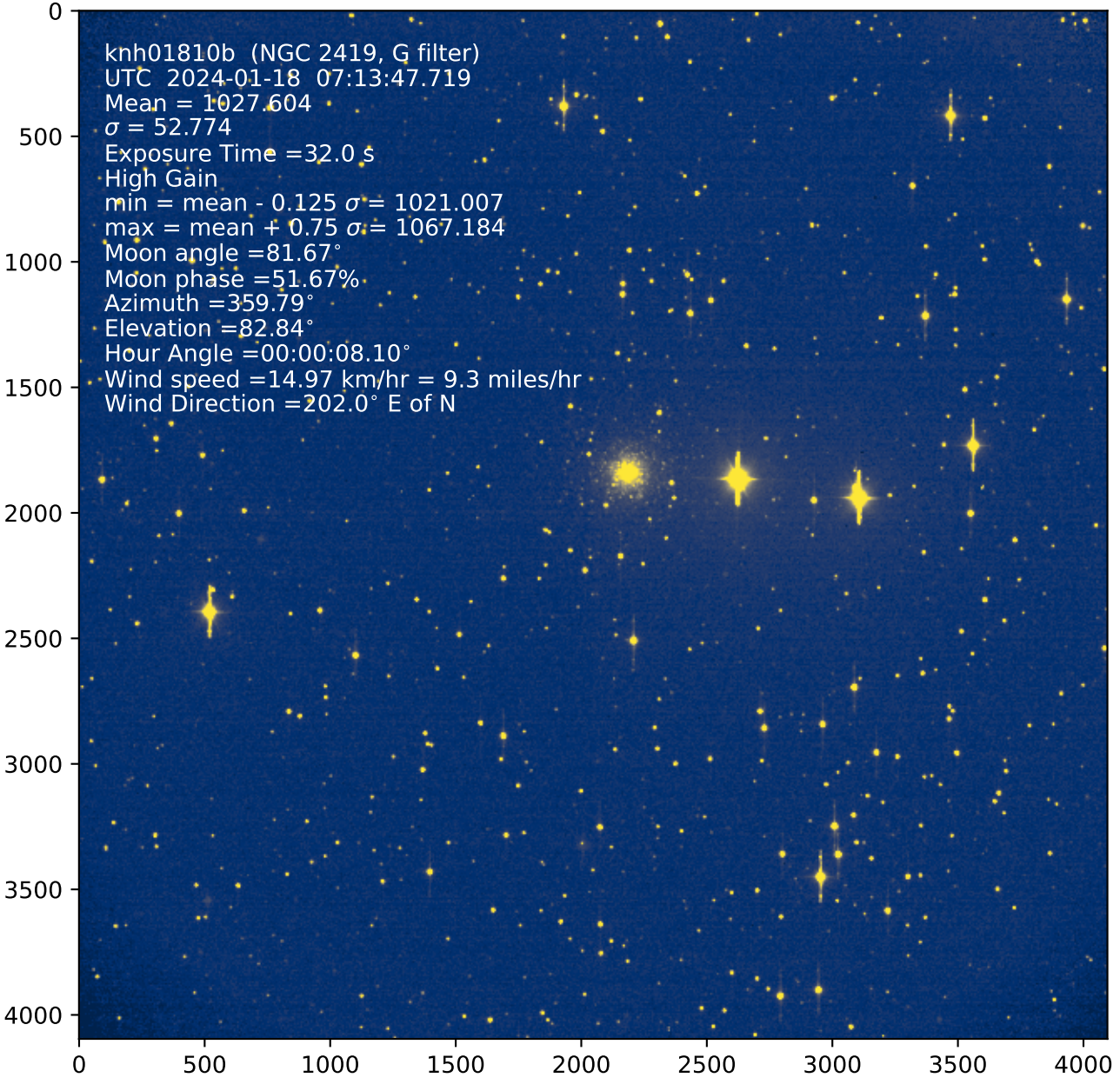
knh01810b (NGC 2419, G filter)
UTC 2024-01-18 07:13:47.719
Mean = 1027.604
σ = 52.774
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.007
max = mean + 0.75 σ = 1067.184
Moon angle =81.67°
Moon phase =51.67%
Azimuth =359.79°
Elevation =82.84°
Hour Angle =00:00:08.10°
Wind speed =14.97 km/hr = 9.3 miles/hr
Wind Direction =202.0° E of N
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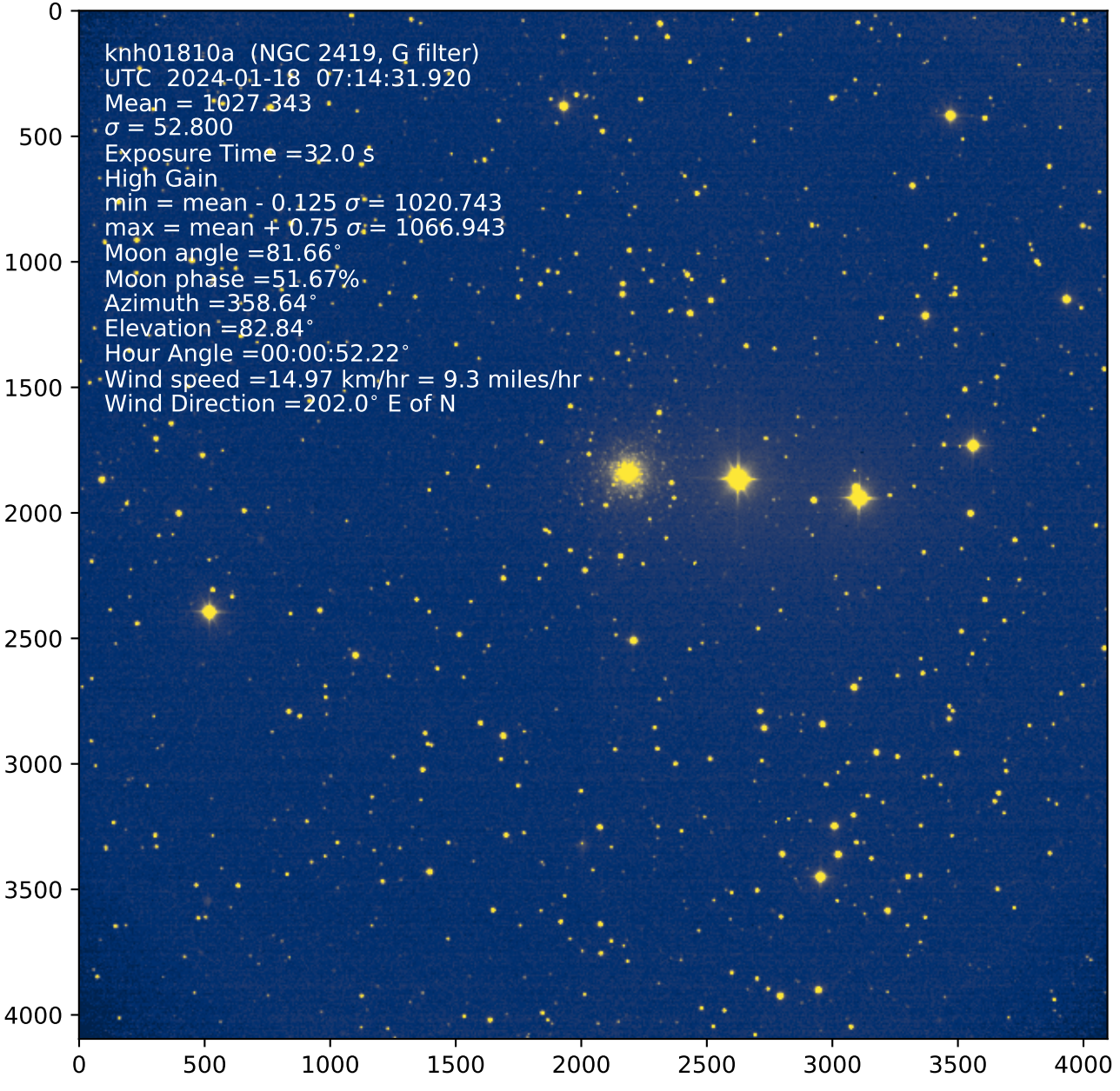
knh01810a (NGC 2419, G filter)
UTC 2024-01-18 07:14:31.920
Mean = 1027.343
σ = 52.800
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.743
max = mean + 0.75 σ = 1066.943
Moon angle =81.66°
Moon phase =51.67%
Azimuth =358.64°
Elevation =82.84°
Hour Angle =00:00:52.22°
Wind speed =14.97 km/hr = 9.3 miles/hr
Wind Direction =202.0° E of N
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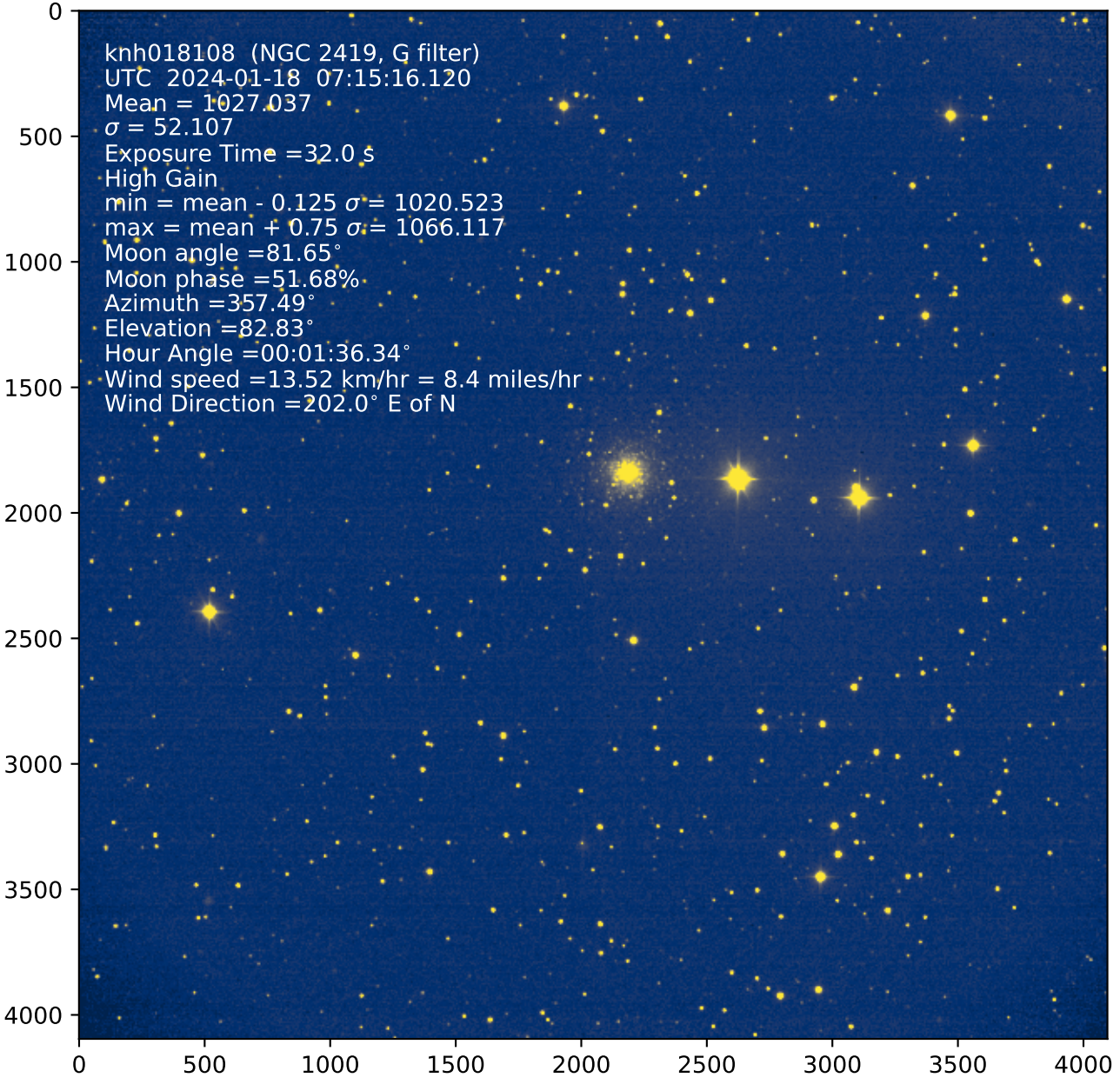
knh018108 (NGC 2419, G filter)
UTC 2024-01-18 07:15:16.120
Mean = 1027.037
σ = 52.107
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.523
max = mean + 0.75 σ = 1066.117
Moon angle =81.65°
Moon phase =51.68%
Azimuth =357.49°
Elevation =82.83°
Hour Angle =00:01:36.34°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =202.0° E of N
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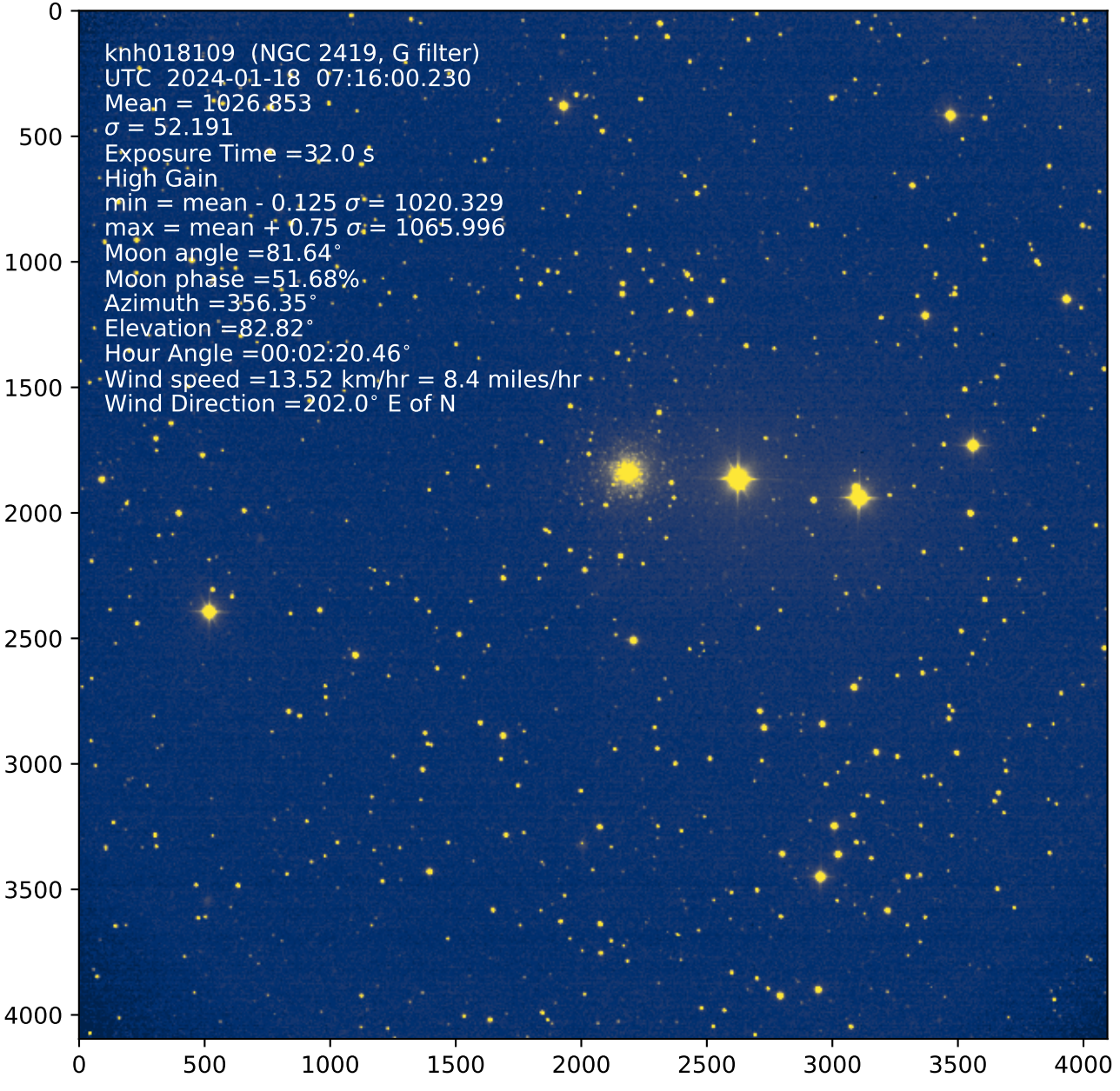
knh018109 (NGC 2419, G filter)
UTC 2024-01-18 07:16:00.230
Mean = 1026.853
σ = 52.191
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.329
max = mean + 0.75 σ = 1065.996
Moon angle =81.64°
Moon phase =51.68%
Azimuth =356.35°
Elevation =82.82°
Hour Angle =00:02:20.46°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =202.0° E of N
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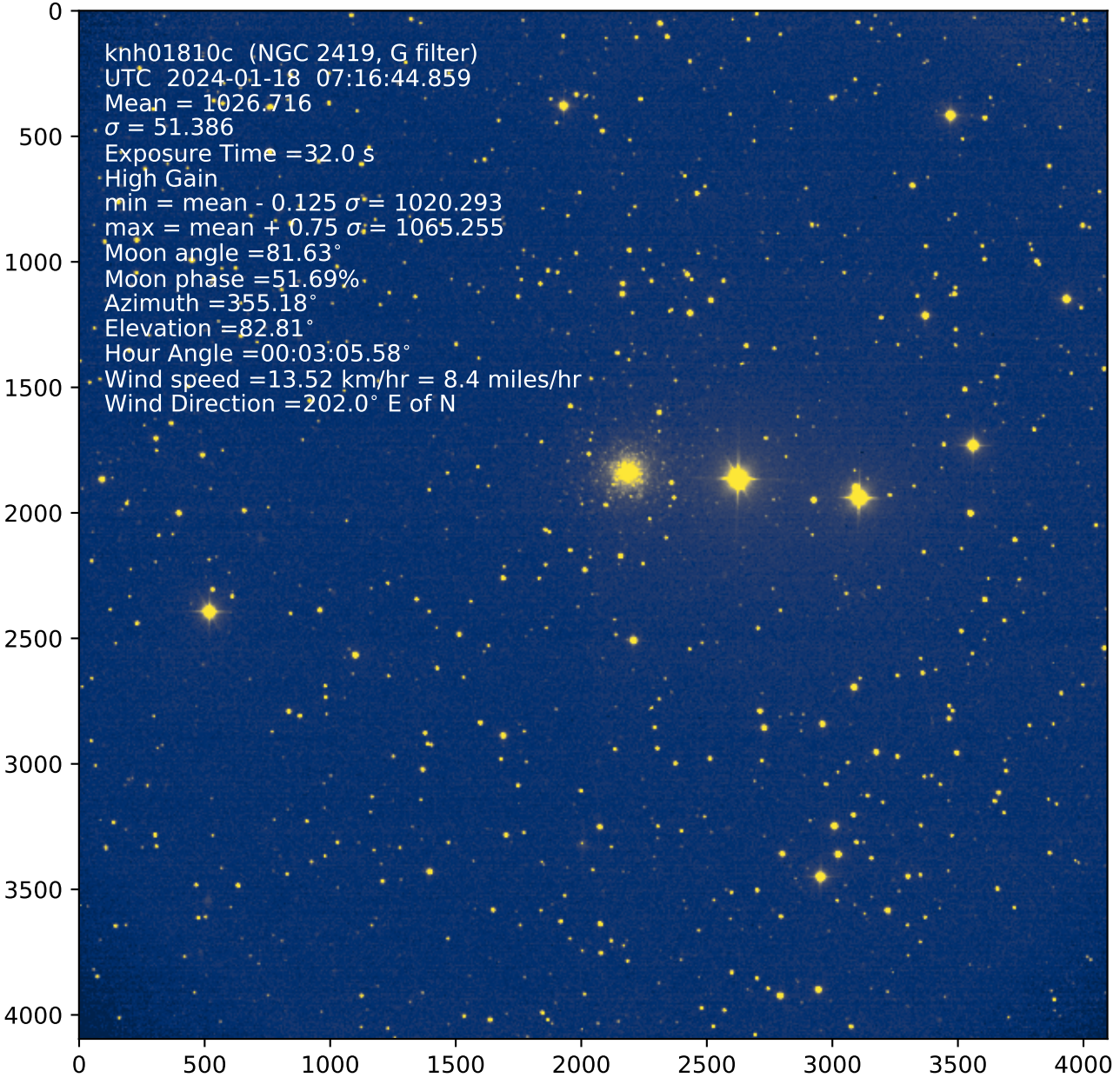
knh01810c (NGC 2419, G filter)
UTC 2024-01-18 07:16:44.859
Mean = 1026.716
σ = 51.386
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.293
max = mean + 0.75 σ = 1065.255
Moon angle =81.63°
Moon phase =51.69%
Azimuth =355.18°
Elevation =82.81°
Hour Angle =00:03:05.58°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =202.0° E of N
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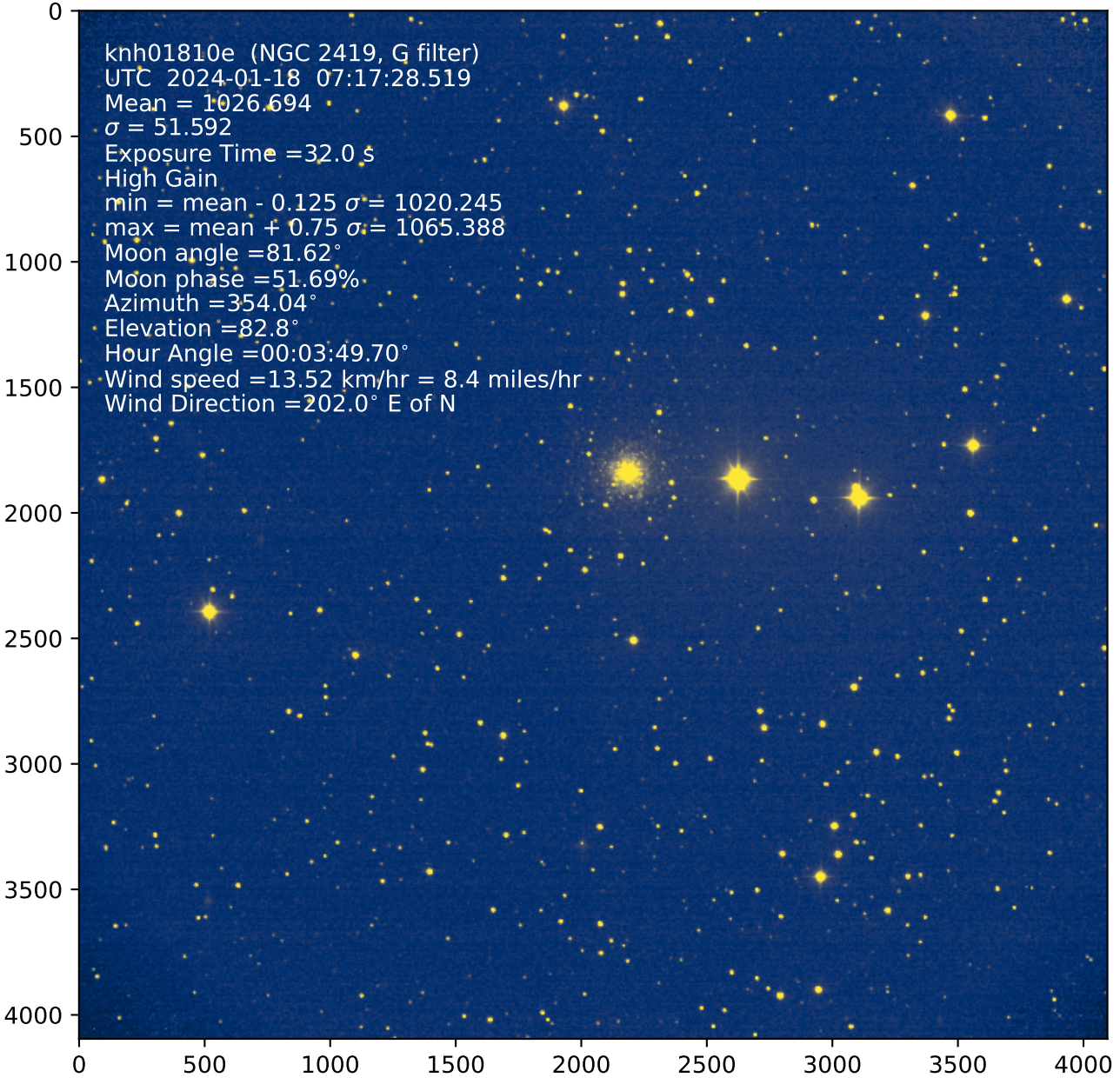
4000


knh01810e (NGC 2419, G filter)
UTC 2024-01-18 07:17:28.519
Mean = 1026.694
σ = 51.592
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.245
max = mean + 0.75 σ = 1065.388
Moon angle =81.62°
Moon phase =51.69%
Azimuth =354.04°
Elevation =82.8°
Hour Angle =00:03:49.70°
Wind speed =13.52 km/hr = 8.4 miles/hr
Wind Direction =202.0° E of N
0
500
1000
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2000
2500
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3500
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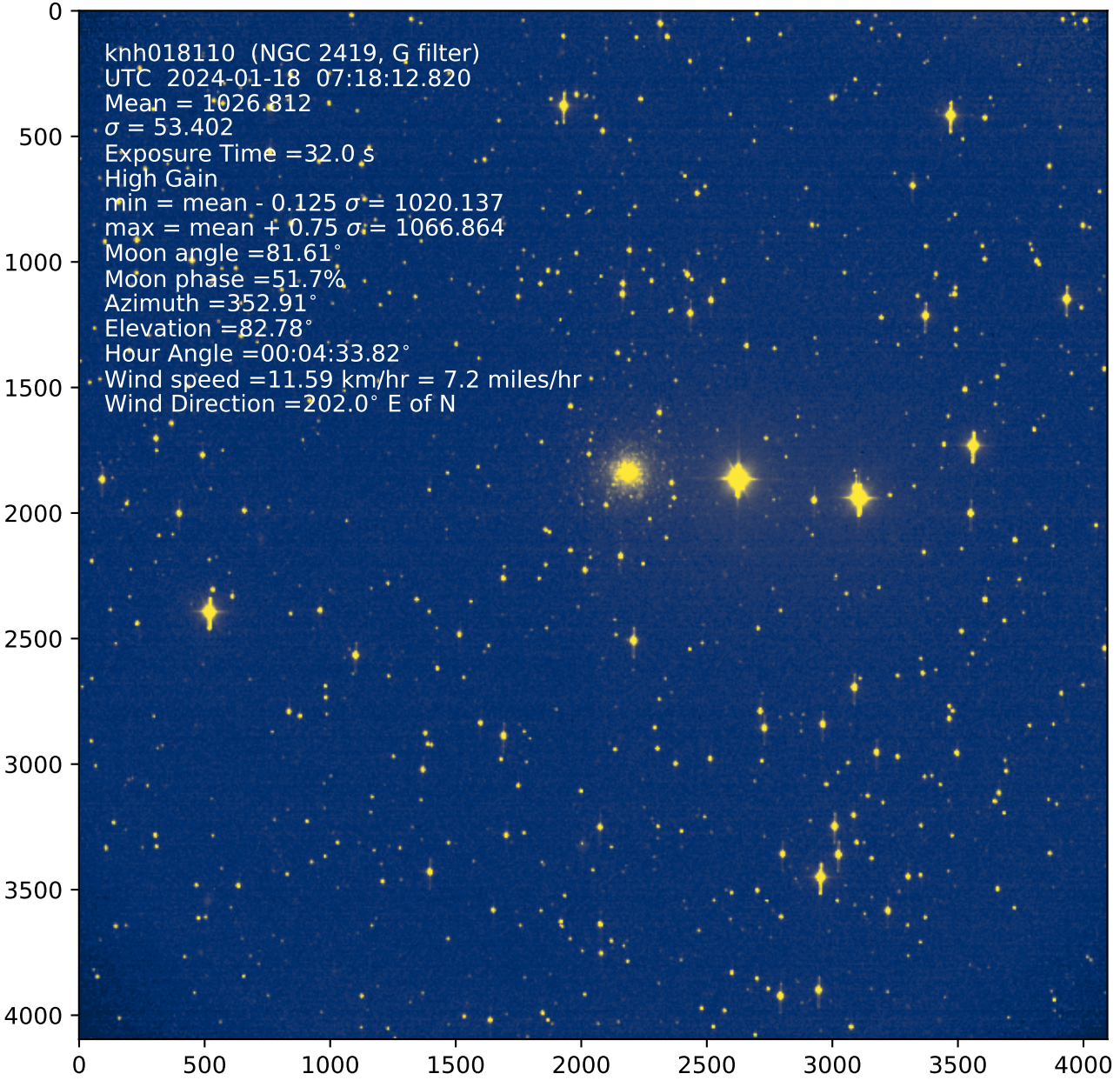
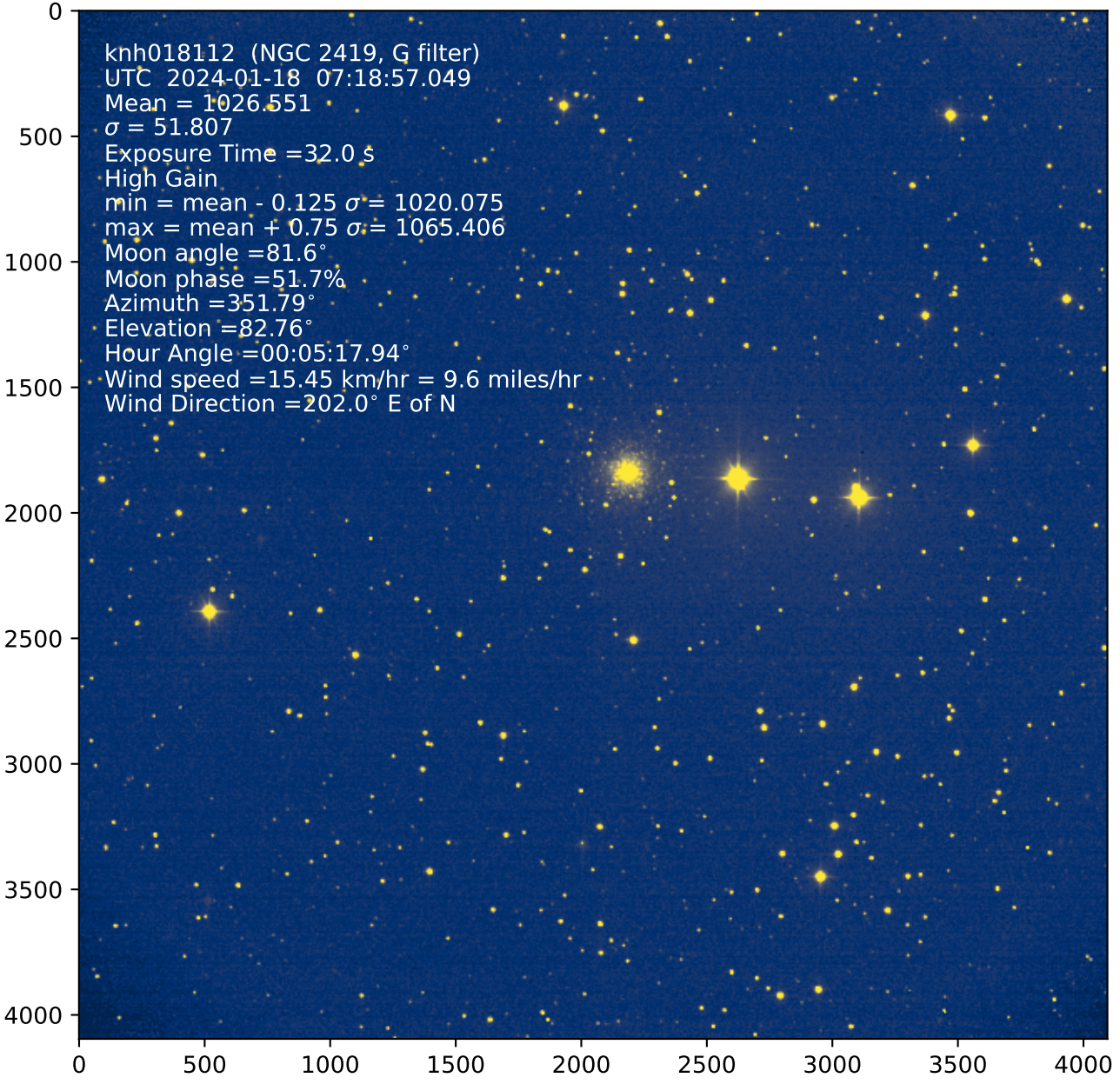
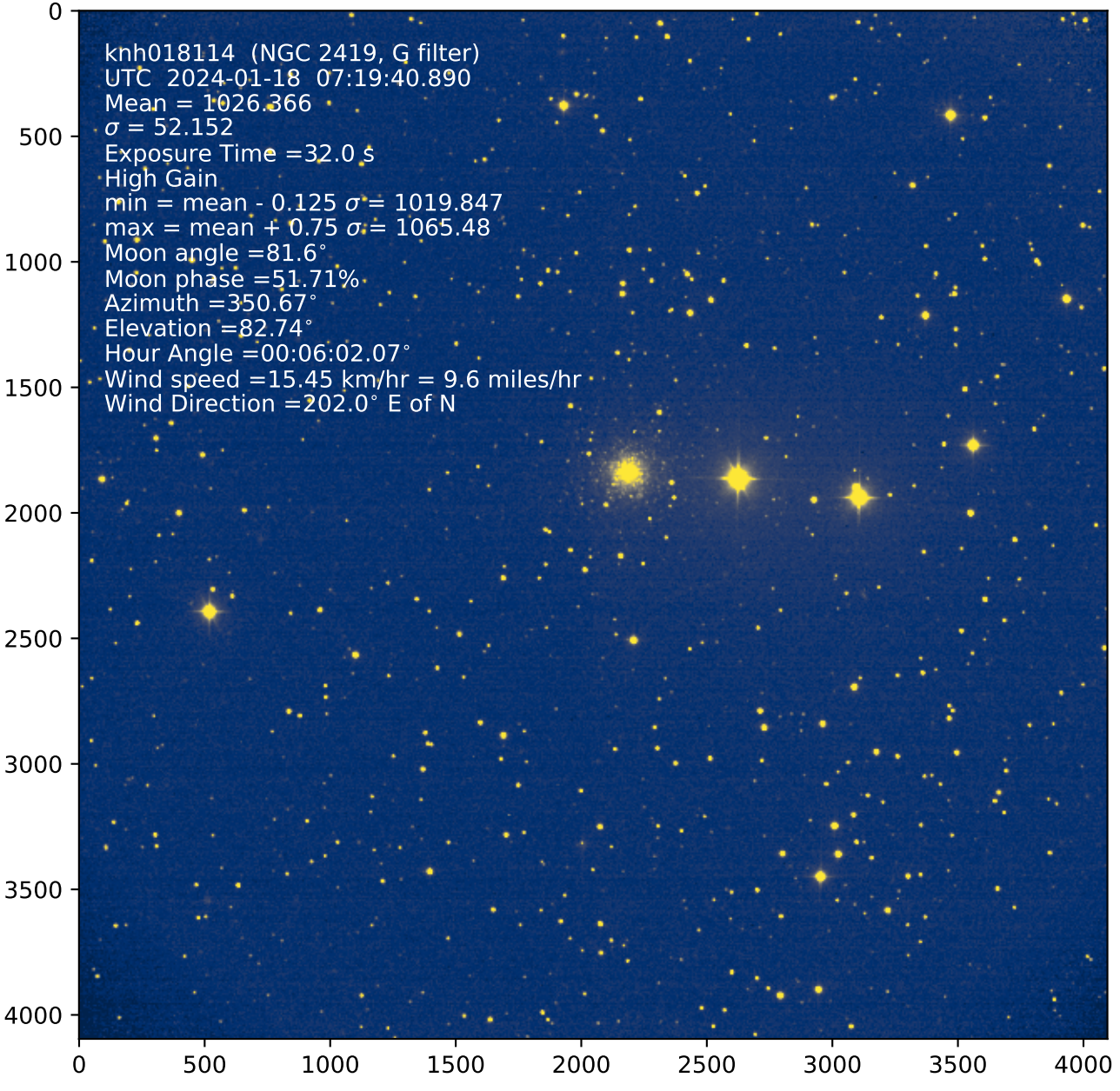

knh018110 (NGC 2419, G filter)
UTC 2024-01-18 07:18:12.820
Mean = 1026.812
σ = 53.402
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.137
max = mean + 0.75 σ = 1066.864
Moon angle =81.61°
Moon phase =51.7%
Azimuth =352.91°
Elevation =82.78°
Hour Angle =00:04:33.82°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018112 (NGC 2419, G filter)
UTC 2024-01-18 07:18:57.049
Mean = 1026.551
σ = 51.807
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.075
max = mean + 0.75 σ = 1065.406
Moon angle =81.6°
Moon phase =51.7%
Azimuth =351.79°
Elevation =82.76°
Hour Angle =00:05:17.94°
Wind speed =15.45 km/hr = 9.6 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018114 (NGC 2419, G filter)
UTC 2024-01-18 07:19:40.890
Mean = 1026.366
σ = 52.152
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.847
max = mean + 0.75 σ = 1065.48
Moon angle =81.6°
Moon phase =51.71%
Azimuth =350.67°
Elevation =82.74°
Hour Angle =00:06:02.07°
Wind speed =15.45 km/hr = 9.6 miles/hr
Wind Direction =202.0° E of N
0
500
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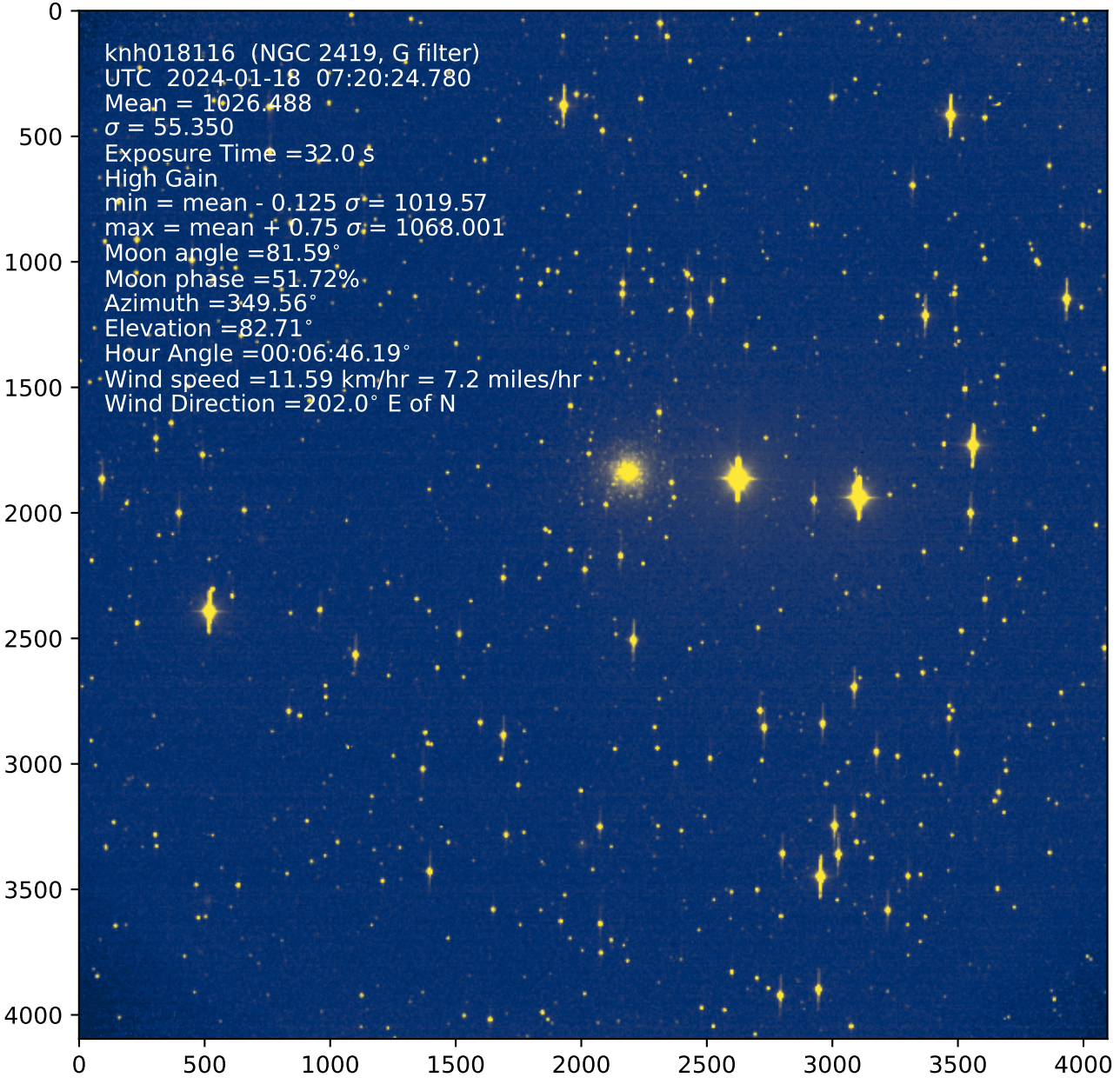
2000
2500
3000
3500
4000


knh018116 (NGC 2419, G filter)
UTC 2024-01-18 07:20:24.780
Mean = 1026.488
σ = 55.350
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.57
max = mean + 0.75 σ = 1068.001
Moon angle =81.59°
Moon phase =51.72%
Azimuth =349.56°
Elevation =82.71°
Hour Angle =00:06:46.19°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =202.0° E of N
0
500
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1500
2000
2500
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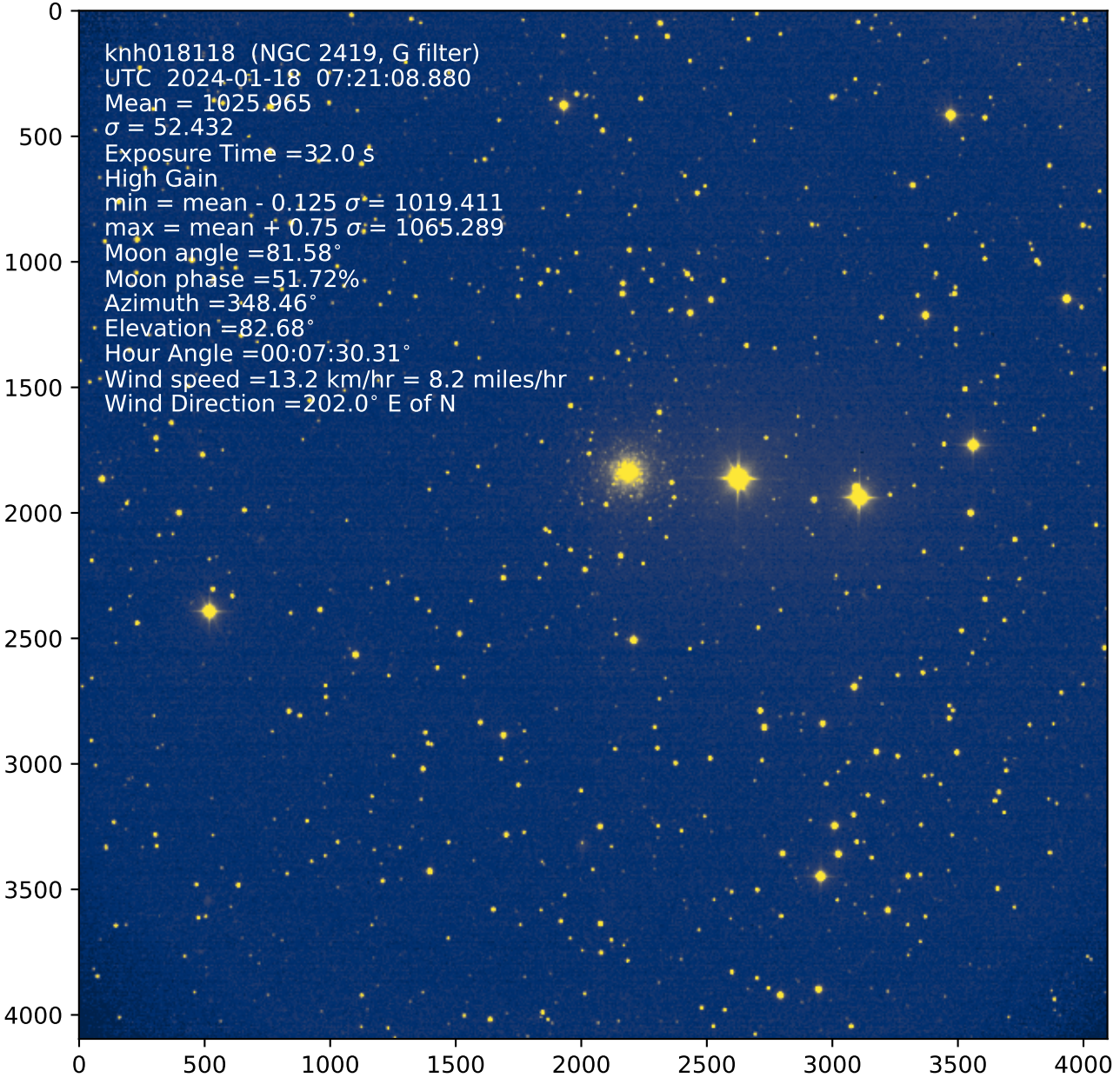
3500
4000


knh018118 (NGC 2419, G filter)
UTC 2024-01-18 07:21:08.880
Mean = 1025.965
σ = 52.432
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.411
max = mean + 0.75 σ = 1065.289
Moon angle =81.58°
Moon phase =51.72%
Azimuth =348.46°
Elevation =82.68°
Hour Angle =00:07:30.31°
Wind speed =13.2 km/hr = 8.2 miles/hr
Wind Direction =202.0° E of N
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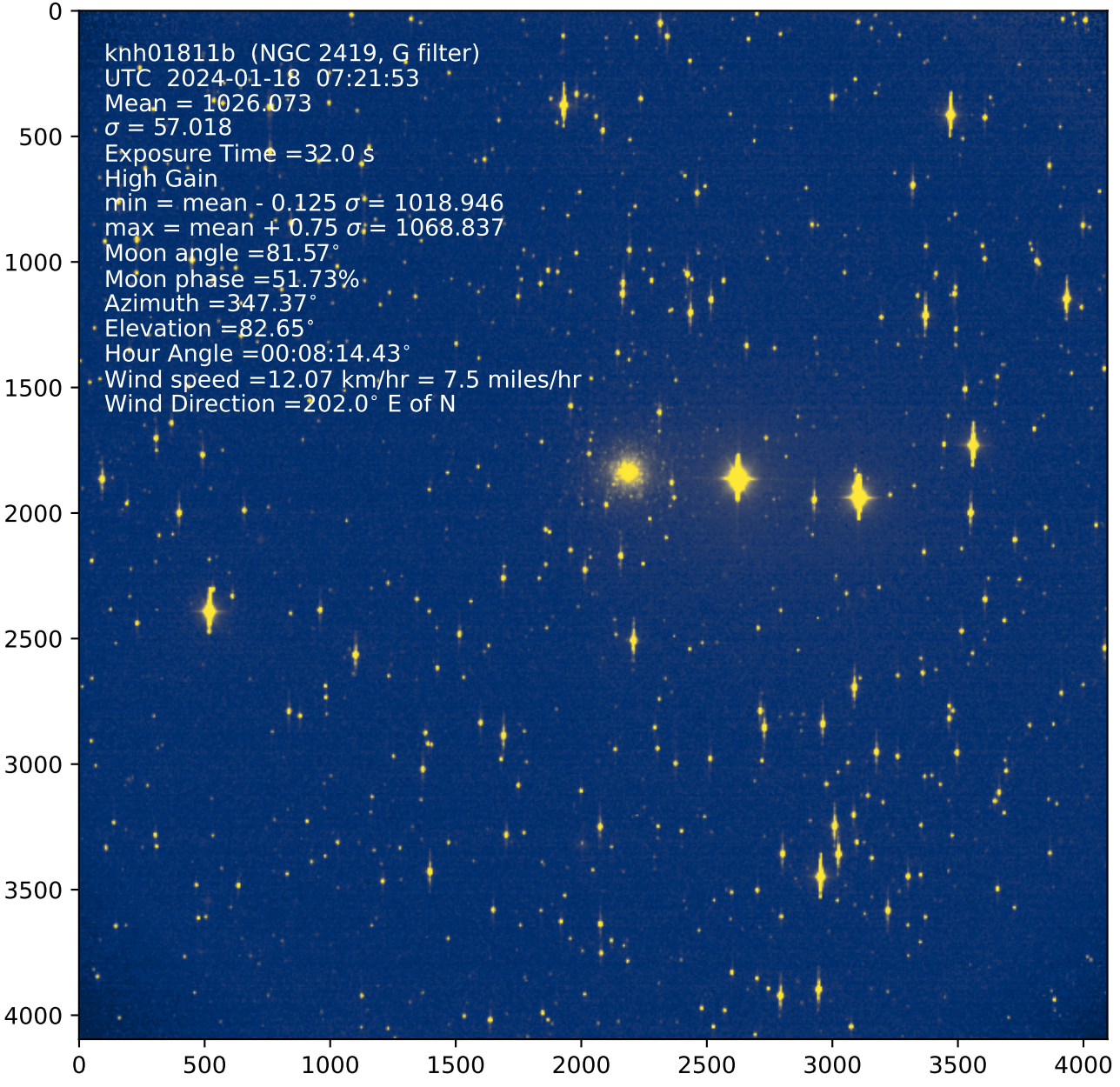
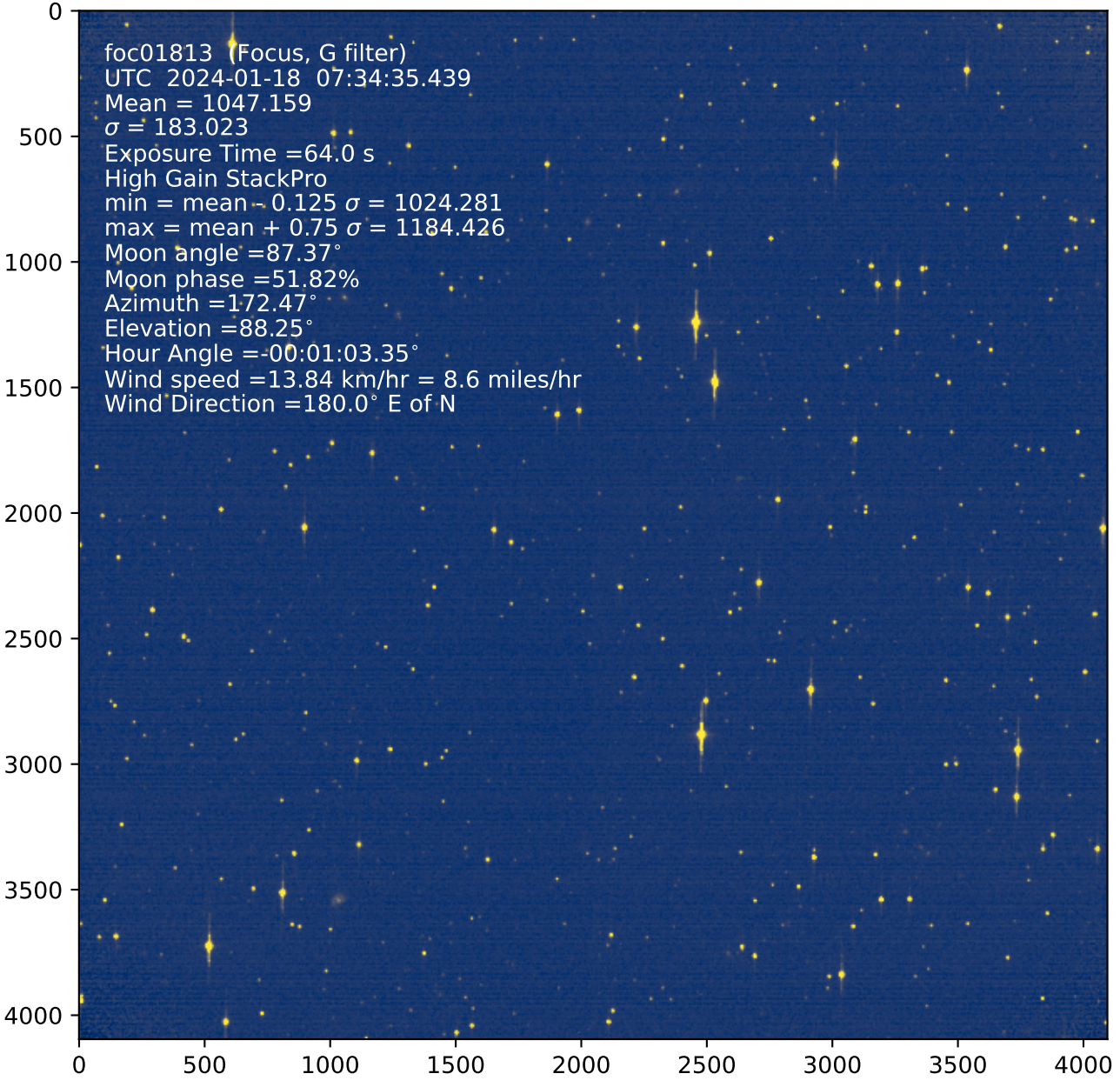

knh01811b (NGC 2419, G filter)
UTC 2024-01-18 07:21:53
Mean = 1026.073
σ = 57.018
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1018.946
max = mean + 0.75 σ = 1068.837
Moon angle =81.57°
Moon phase =51.73%
Azimuth =347.37°
Elevation =82.65°
Hour Angle =00:08:14.43°
Wind speed =12.07 km/hr = 7.5 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


foc01813 (Focus, G filter)
UTC 2024-01-18 07:34:35.439
Mean = 1047.159
σ = 183.023
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1024.281
max = mean + 0.75 σ = 1184.426
Moon angle =87.37°
Moon phase =51.82%
Azimuth =172.47°
Elevation =88.25°
Hour Angle =-00:01:03.35°
Wind speed =13.84 km/hr = 8.6 miles/hr
Wind Direction =180.0° E of N
0
500
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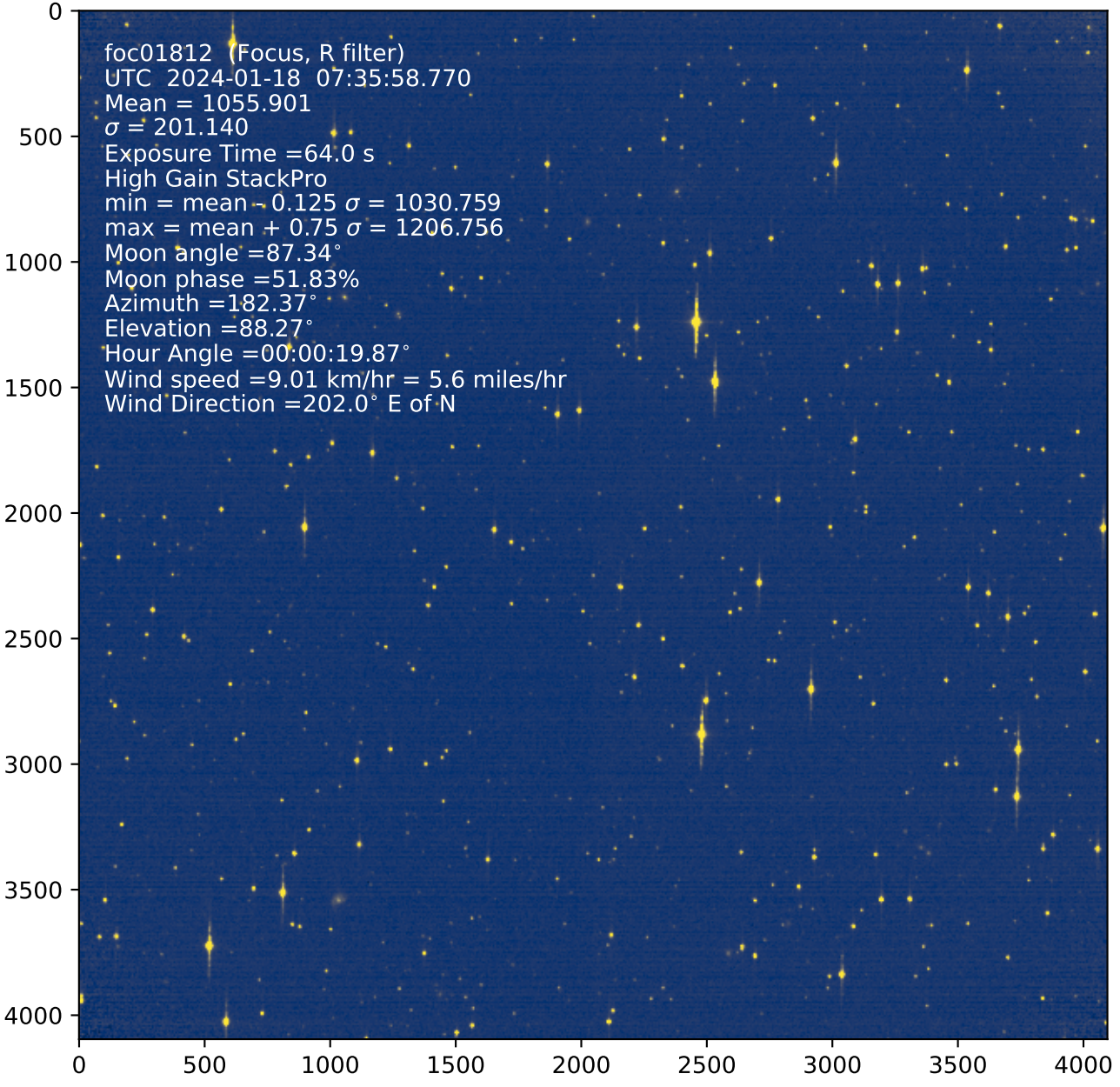
2500
3000
3500
4000


foc01812 (Focus, R filter)
UTC 2024-01-18 07:35:58.770
Mean = 1055.901
σ = 201.140
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1030.759
max = mean + 0.75 σ = 1206.756
Moon angle =87.34°
Moon phase =51.83%
Azimuth =182.37°
Elevation =88.27°
Hour Angle =00:00:19.87°
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =202.0° E of N
0
500
1000
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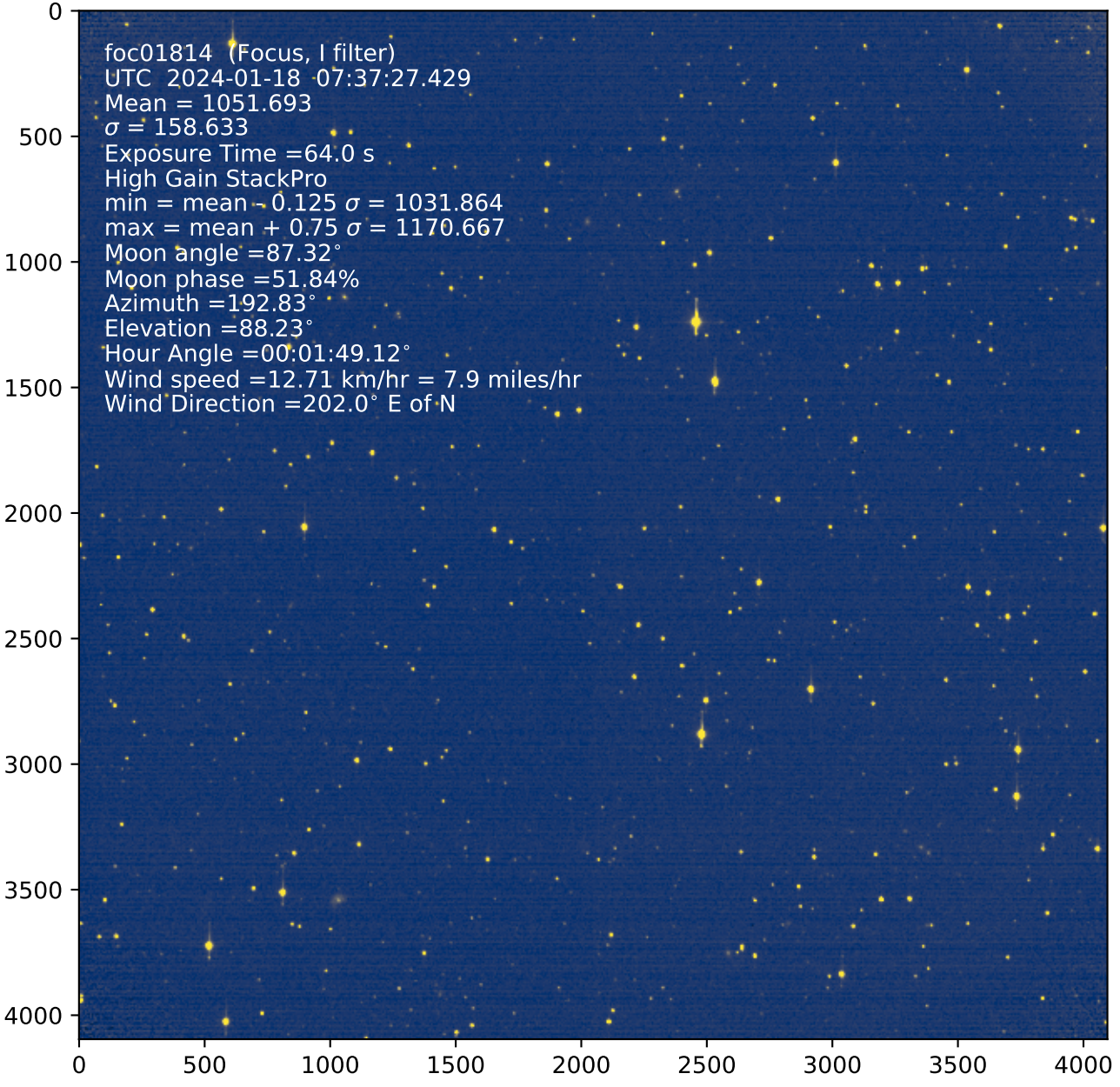
2000
2500
3000
3500
4000


foc01814 (Focus, I filter)
UTC 2024-01-18 07:37:27.429
Mean = 1051.693
σ = 158.633
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1031.864
max = mean + 0.75 σ = 1170.667
Moon angle =87.32°
Moon phase =51.84%
Azimuth =192.83°
Elevation =88.23°
Hour Angle =00:01:49.12°
Wind speed =12.71 km/hr = 7.9 miles/hr
Wind Direction =202.0° E of N
0
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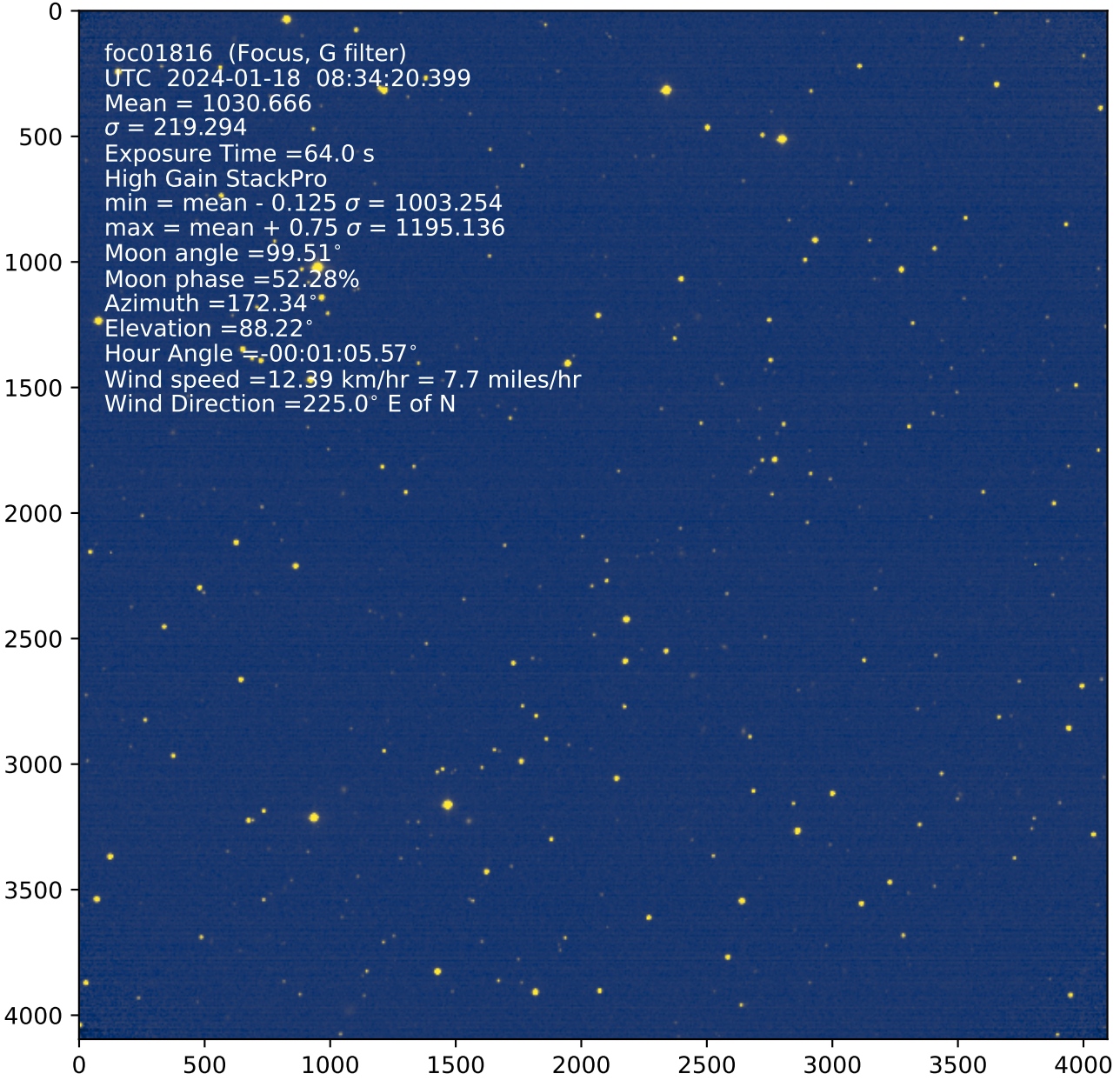
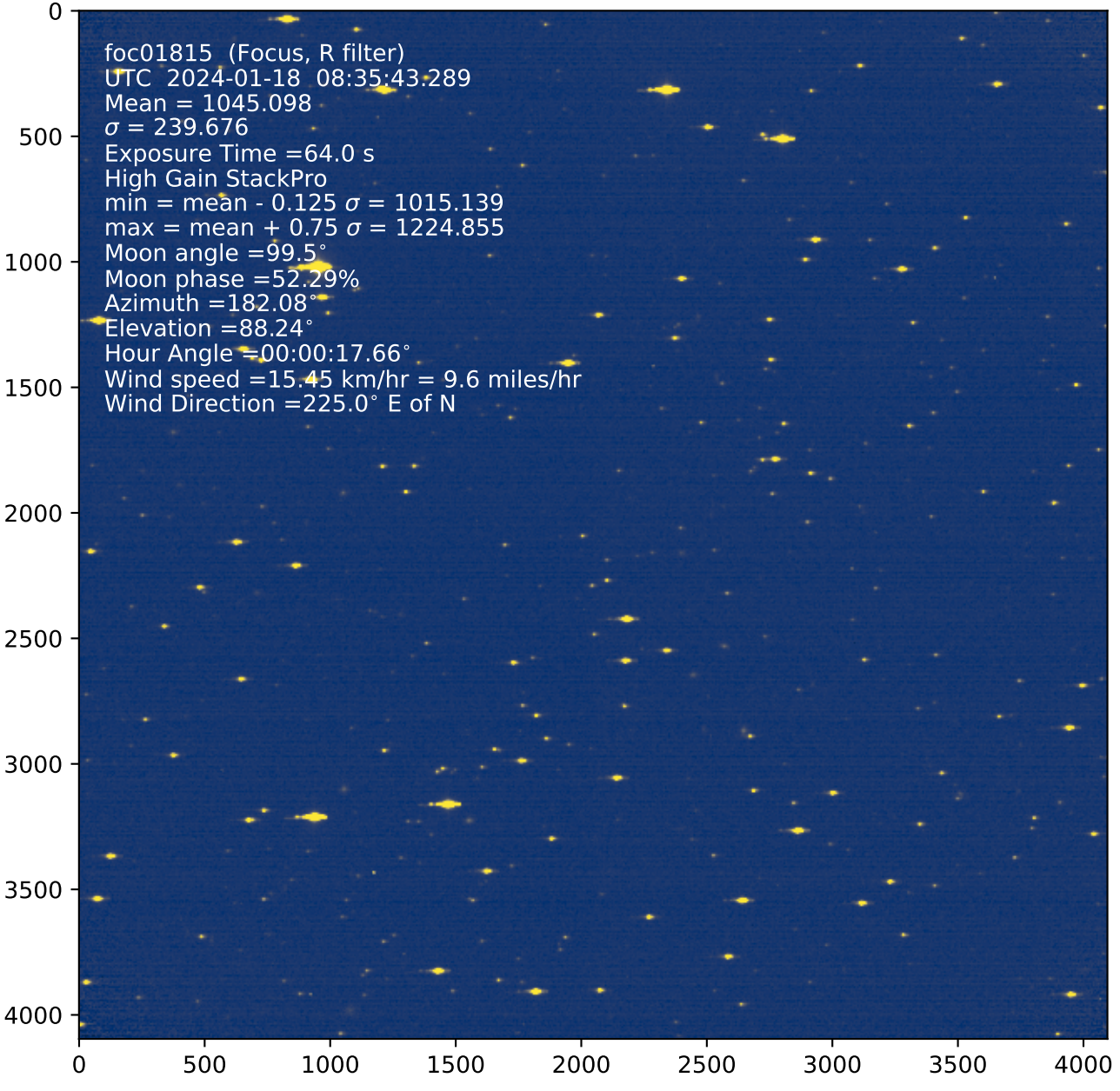
2000
2500
3000
3500
4000


foc01816 (Focus, G filter)
UTC 2024-01-18 08:34:20.399
Mean = 1030.666
σ = 219.294
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1003.254
max = mean + 0.75 σ = 1195.136
Moon angle =99.51°
Moon phase =52.28%
Azimuth =172.34°
Elevation =88.22°
Hour Angle =-00:01:05.57°
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


foc01815 (Focus, R filter)
UTC 2024-01-18 08:35:43.289
Mean = 1045.098
σ = 239.676
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1015.139
max = mean + 0.75 σ = 1224.855
Moon angle =99.5°
Moon phase =52.29%
Azimuth =182.08°
Elevation =88.24°
Hour Angle =00:00:17.66°
Wind speed =15.45 km/hr = 9.6 miles/hr
Wind Direction =225.0° E of N
0
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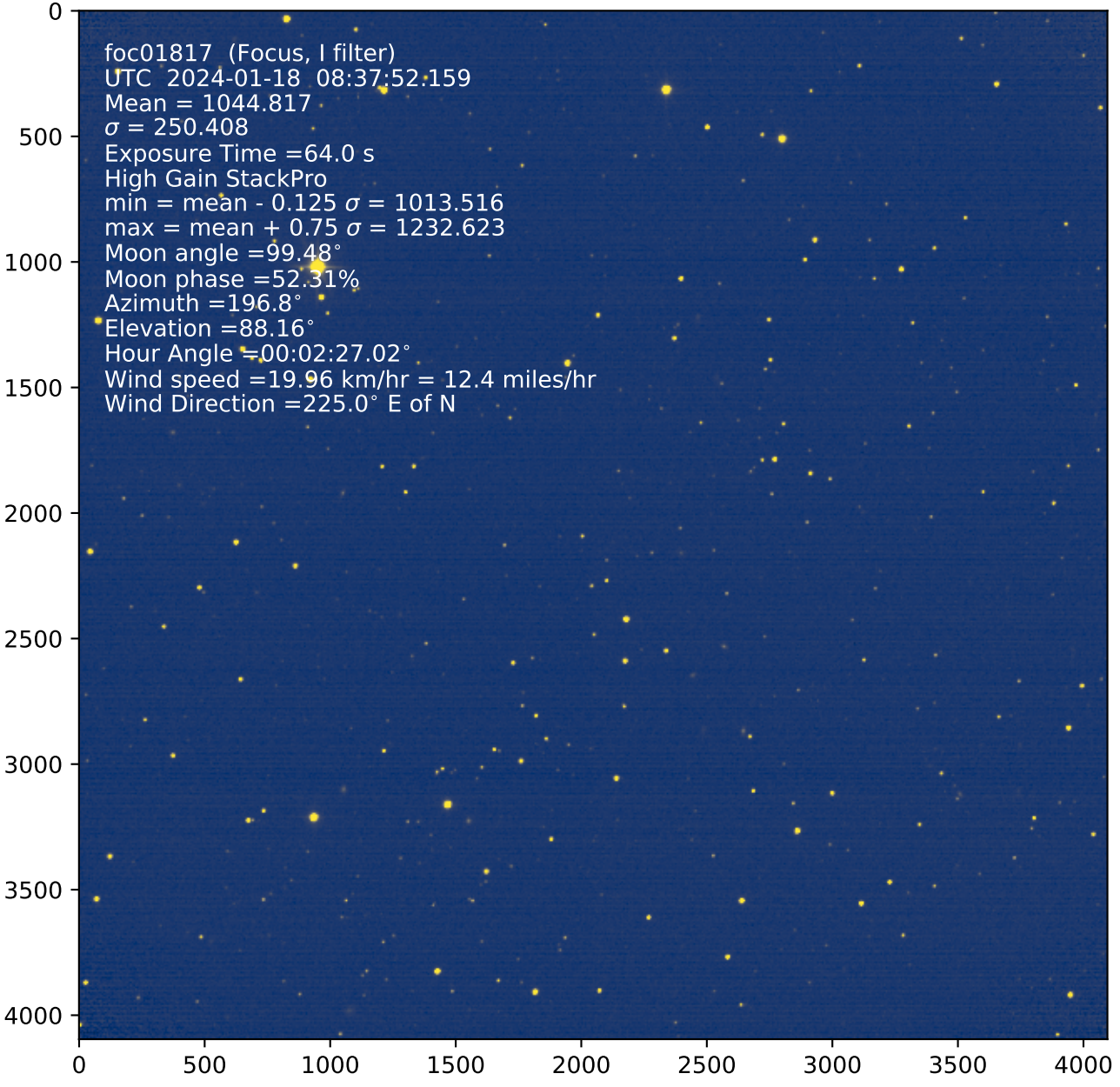
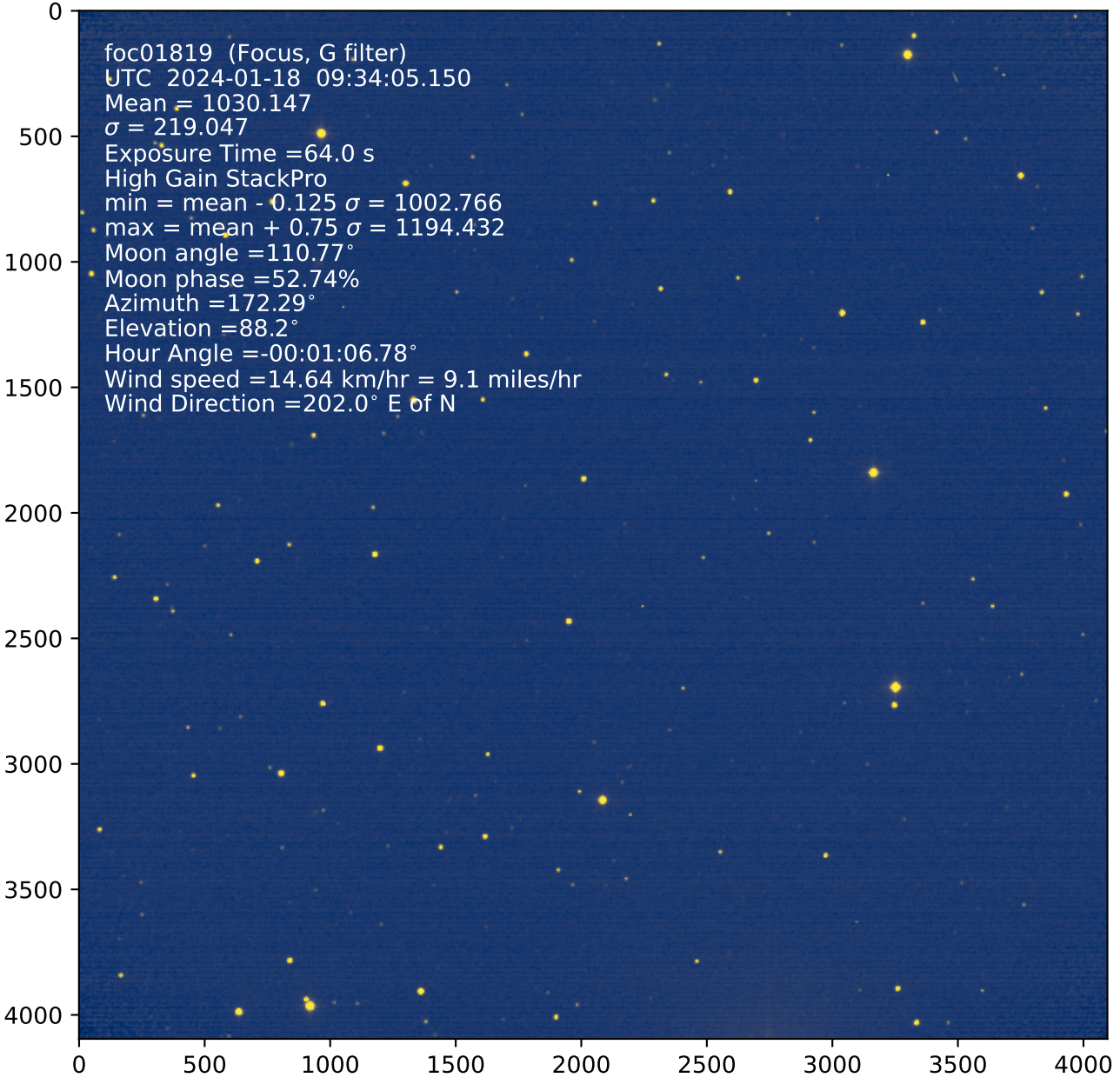
3500
4000


foc01817 (Focus, I filter)
UTC 2024-01-18 08:37:52.159
Mean = 1044.817
σ = 250.408
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1013.516
max = mean + 0.75 σ = 1232.623
Moon angle =99.48°
Moon phase =52.31%
Azimuth =196.8°
Elevation =88.16°
Hour Angle =00:02:27.02°
Wind speed =19.96 km/hr = 12.4 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


foc01819 (Focus, G filter)
UTC 2024-01-18 09:34:05.150
Mean = 1030.147
σ = 219.047
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1002.766
max = mean + 0.75 σ = 1194.432
Moon angle =110.77°
Moon phase =52.74%
Azimuth =172.29°
Elevation =88.2°
Hour Angle =-00:01:06.78°
Wind speed =14.64 km/hr = 9.1 miles/hr
Wind Direction =202.0° E of N
0
500
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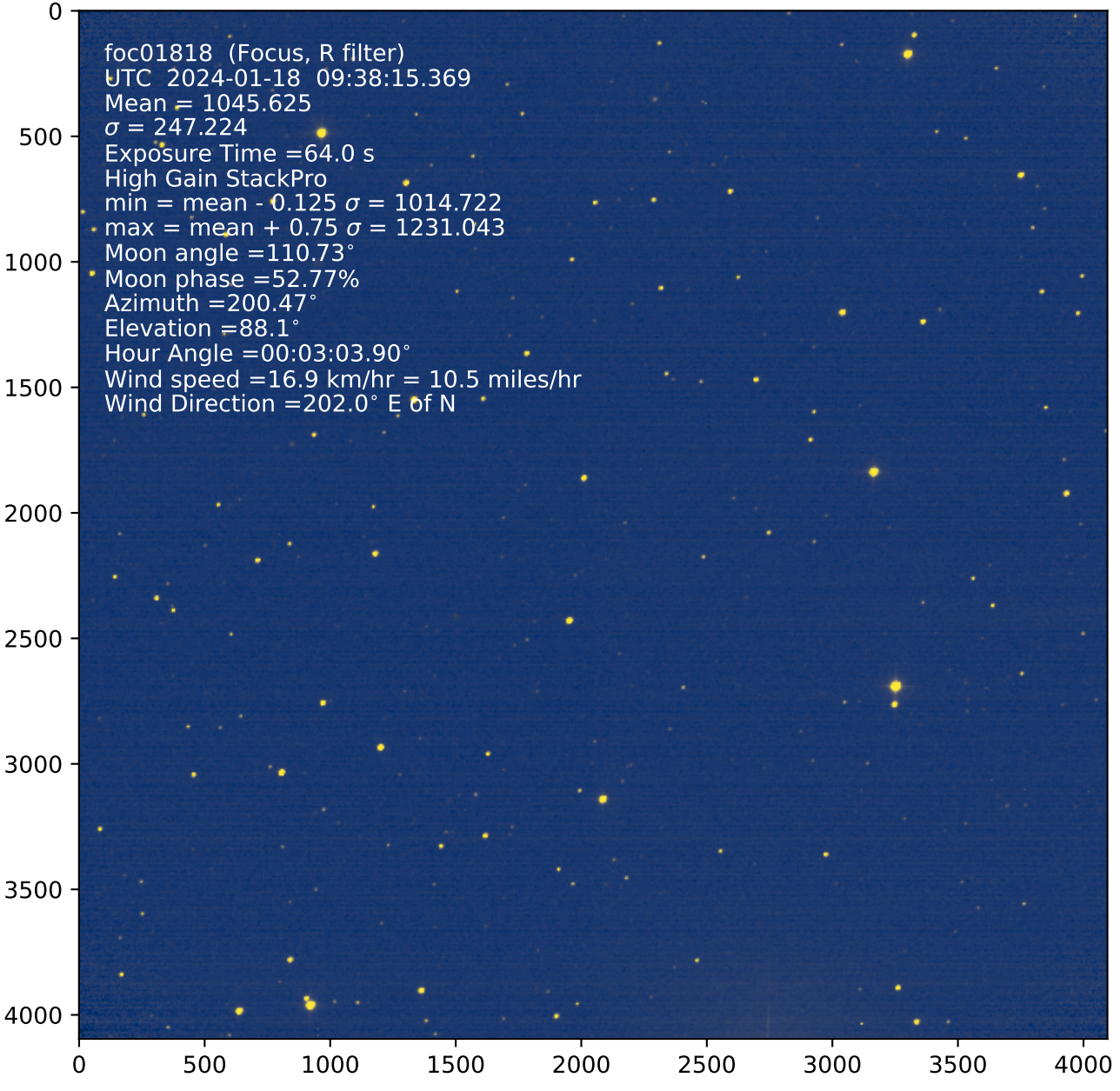
2500
3000
3500
4000


foc01818 (Focus, R filter)
UTC 2024-01-18 09:38:15.369
Mean = 1045.625
σ = 247.224
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1014.722
max = mean + 0.75 σ = 1231.043
Moon angle =110.73°
Moon phase =52.77%
Azimuth =200.47°
Elevation =88.1°
Hour Angle =00:03:03.90°
Wind speed =16.9 km/hr = 10.5 miles/hr
Wind Direction =202.0° E of N
0
500
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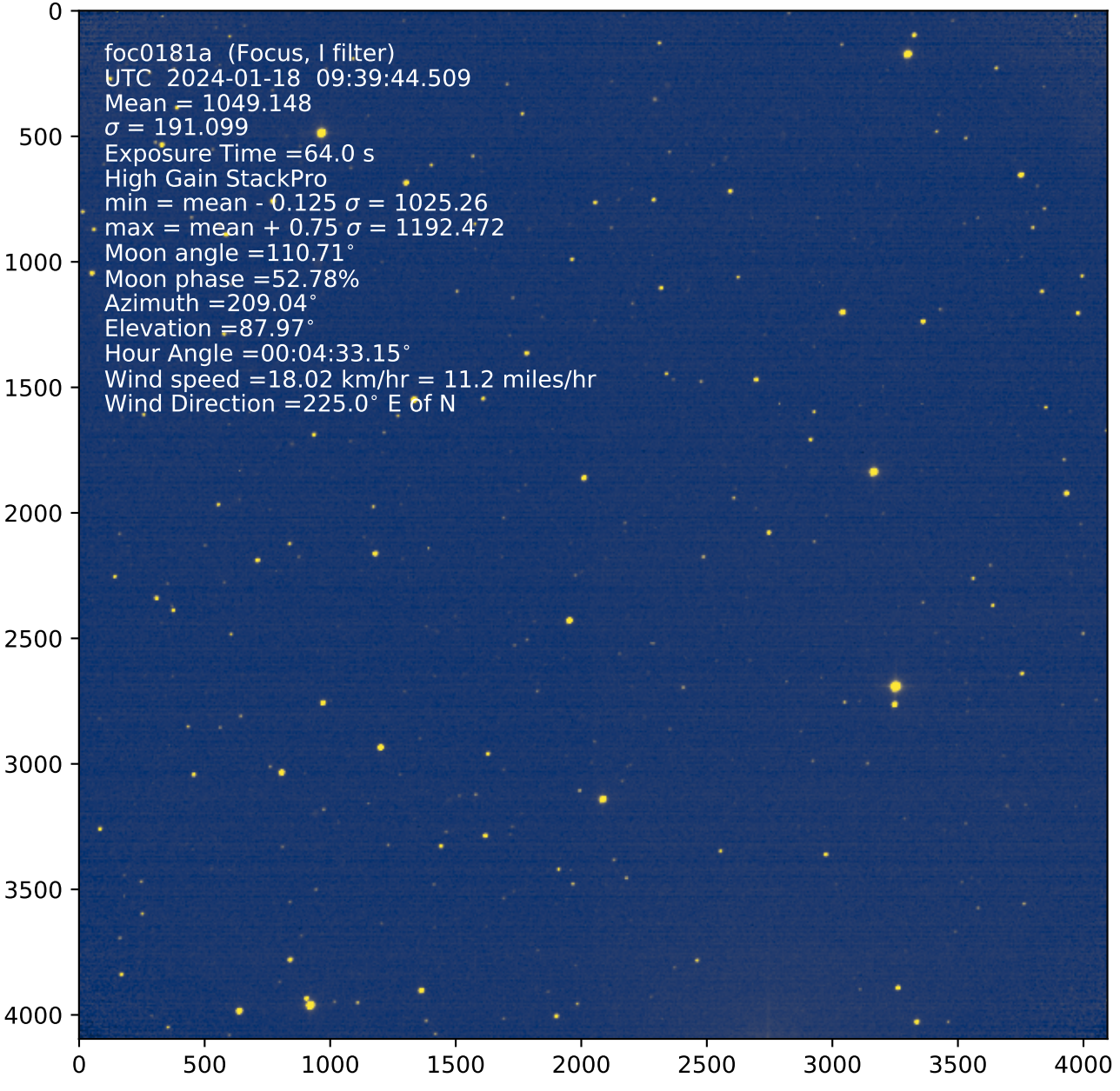
1500
2000
2500
3000
3500
4000


foc0181a (Focus, I filter)
UTC 2024-01-18 09:39:44.509
Mean = 1049.148
σ = 191.099
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1025.26
max = mean + 0.75 σ = 1192.472
Moon angle =110.71°
Moon phase =52.78%
Azimuth =209.04°
Elevation =87.97°
Hour Angle =00:04:33.15°
Wind speed =18.02 km/hr = 11.2 miles/hr
Wind Direction =225.0° E of N
0
500
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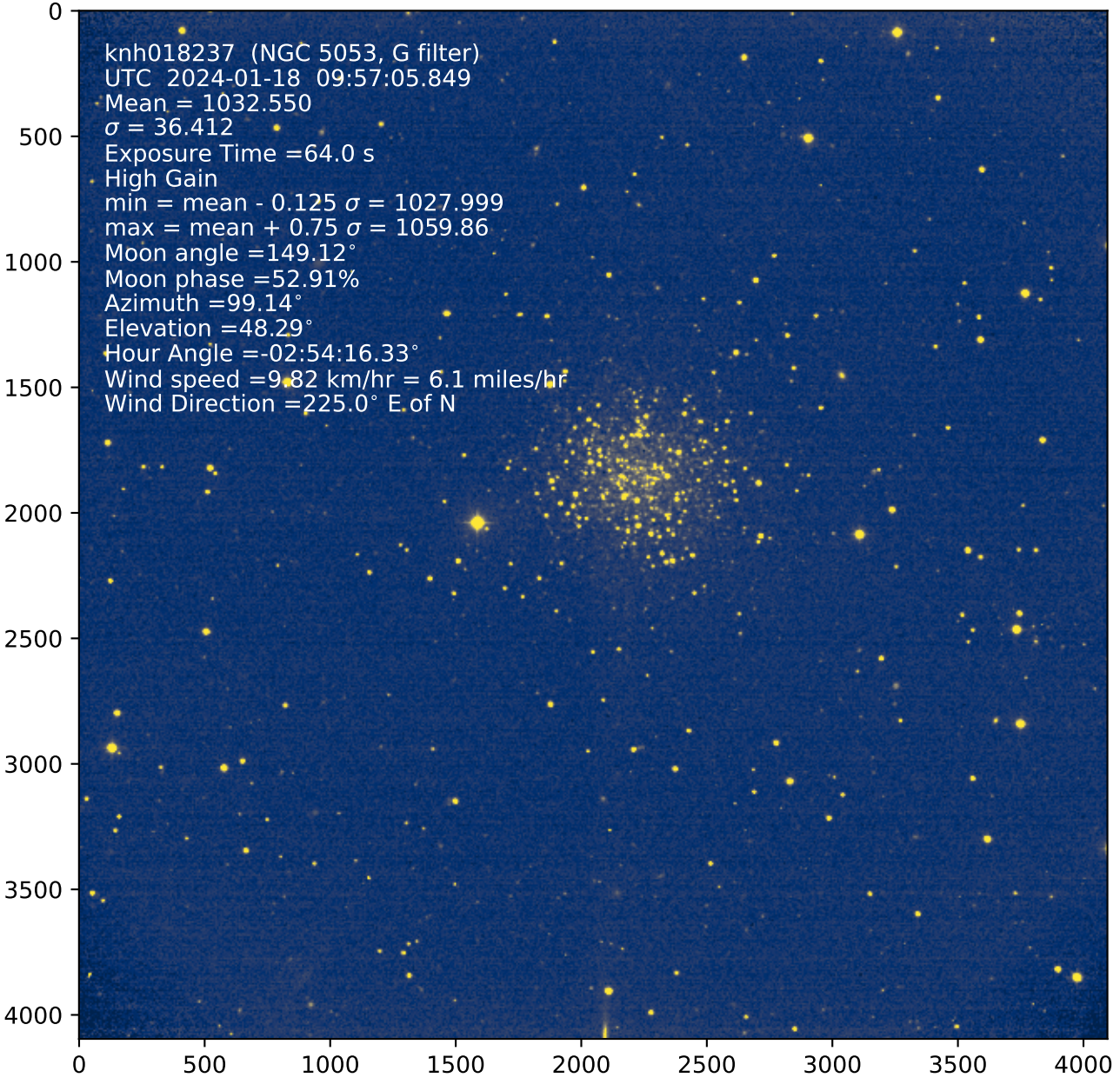
1500
2000
2500
3000
3500
4000


knh018237 (NGC 5053, G filter)
UTC 2024-01-18 09:57:05.849
Mean = 1032.550
σ = 36.412
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.999
max = mean + 0.75 σ = 1059.86
Moon angle =149.12°
Moon phase =52.91%
Azimuth =99.14°
Elevation =48.29°
Hour Angle =-02:54:16.33°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =225.0° E of N
0
500
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2500
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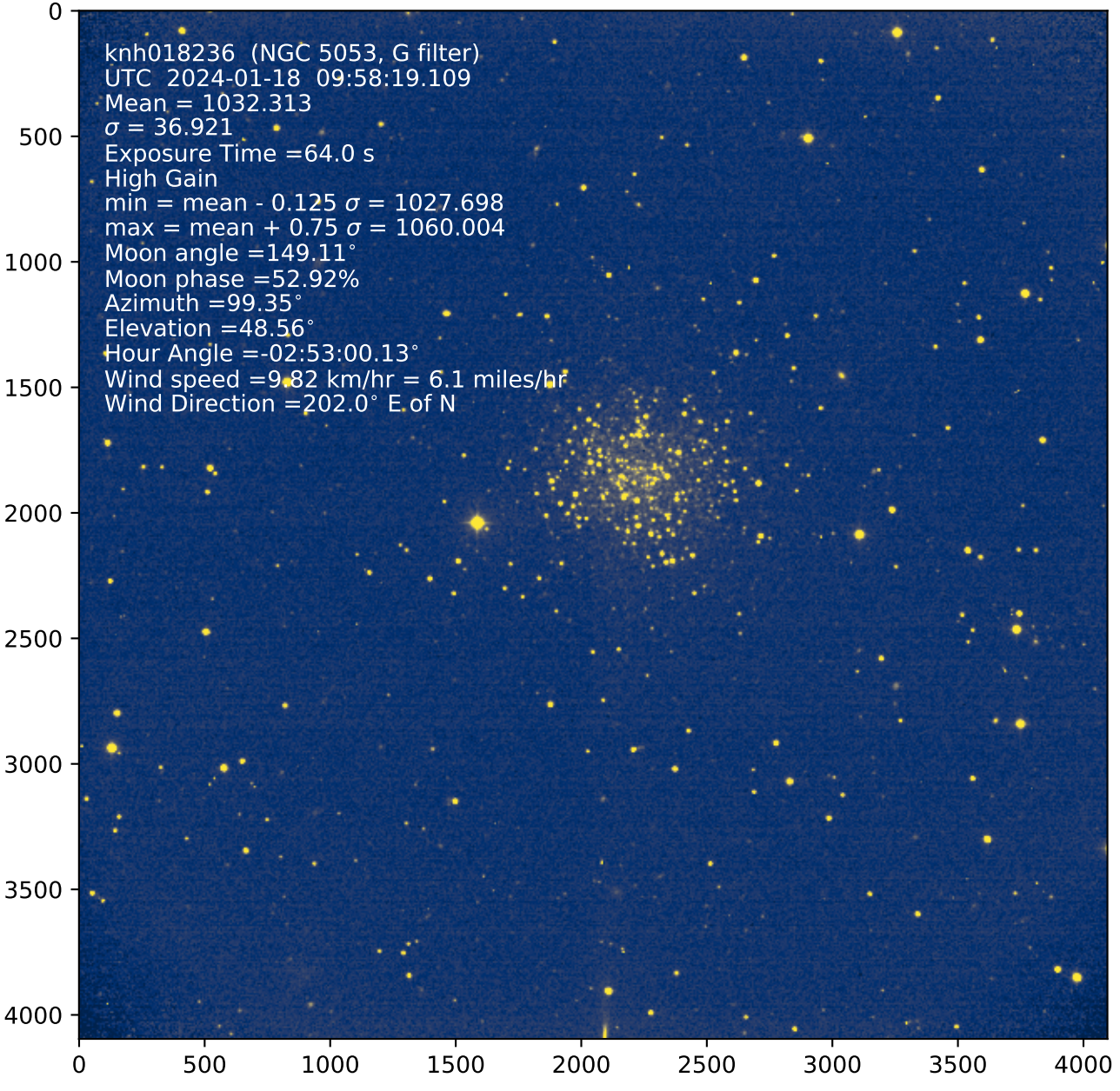
3500
4000


knh018236 (NGC 5053, G filter)
UTC 2024-01-18 09:58:19.109
Mean = 1032.313
σ = 36.921
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.698
max = mean + 0.75 σ = 1060.004
Moon angle =149.11°
Moon phase =52.92%
Azimuth =99.35°
Elevation =48.56°
Hour Angle =-02:53:00.13°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =202.0° E of N
0
500
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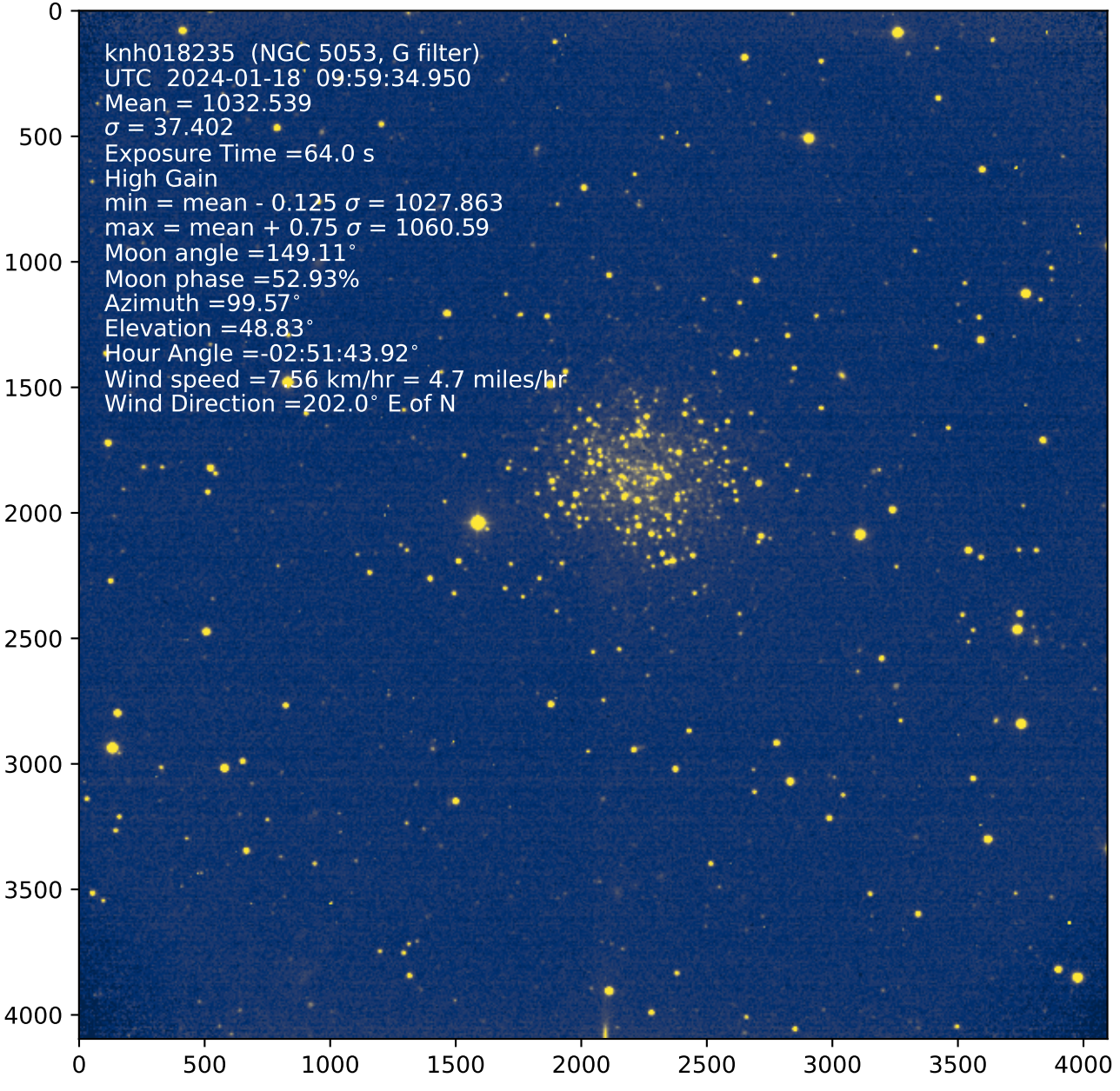
2000
2500
3000
3500
4000


knh018235 (NGC 5053, G filter)
UTC 2024-01-18 09:59:34.950
Mean = 1032.539
σ = 37.402
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.863
max = mean + 0.75 σ = 1060.59
Moon angle =149.11°
Moon phase =52.93%
Azimuth =99.57°
Elevation =48.83°
Hour Angle =-02:51:43.92°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =202.0° E of N
0
500
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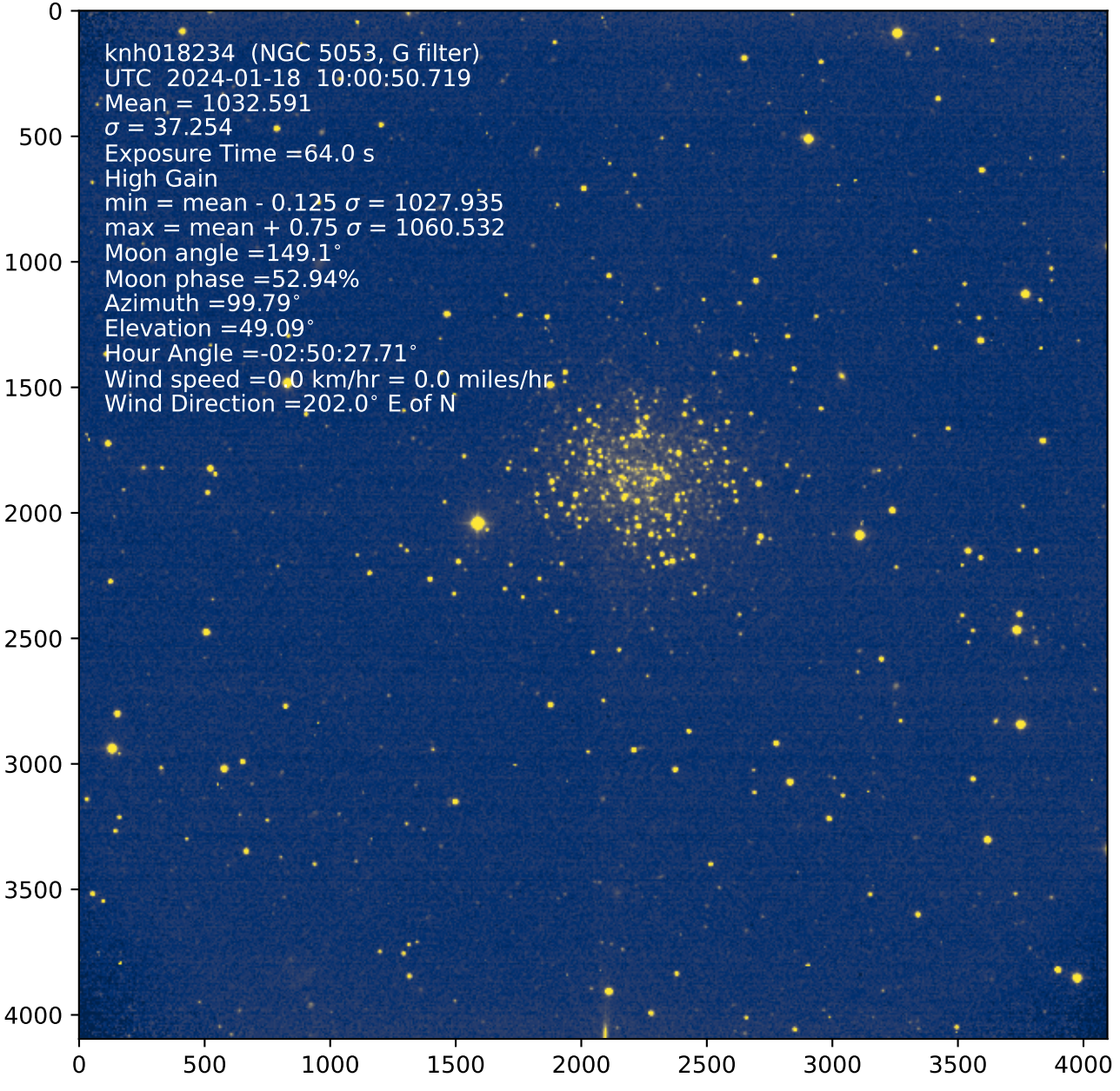
2500
3000
3500
4000


knh018234 (NGC 5053, G filter)
UTC 2024-01-18 10:00:50.719
Mean = 1032.591
σ = 37.254
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.935
max = mean + 0.75 σ = 1060.532
Moon angle =149.1°
Moon phase =52.94%
Azimuth =99.79°
Elevation =49.09°
Hour Angle =-02:50:27.71°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
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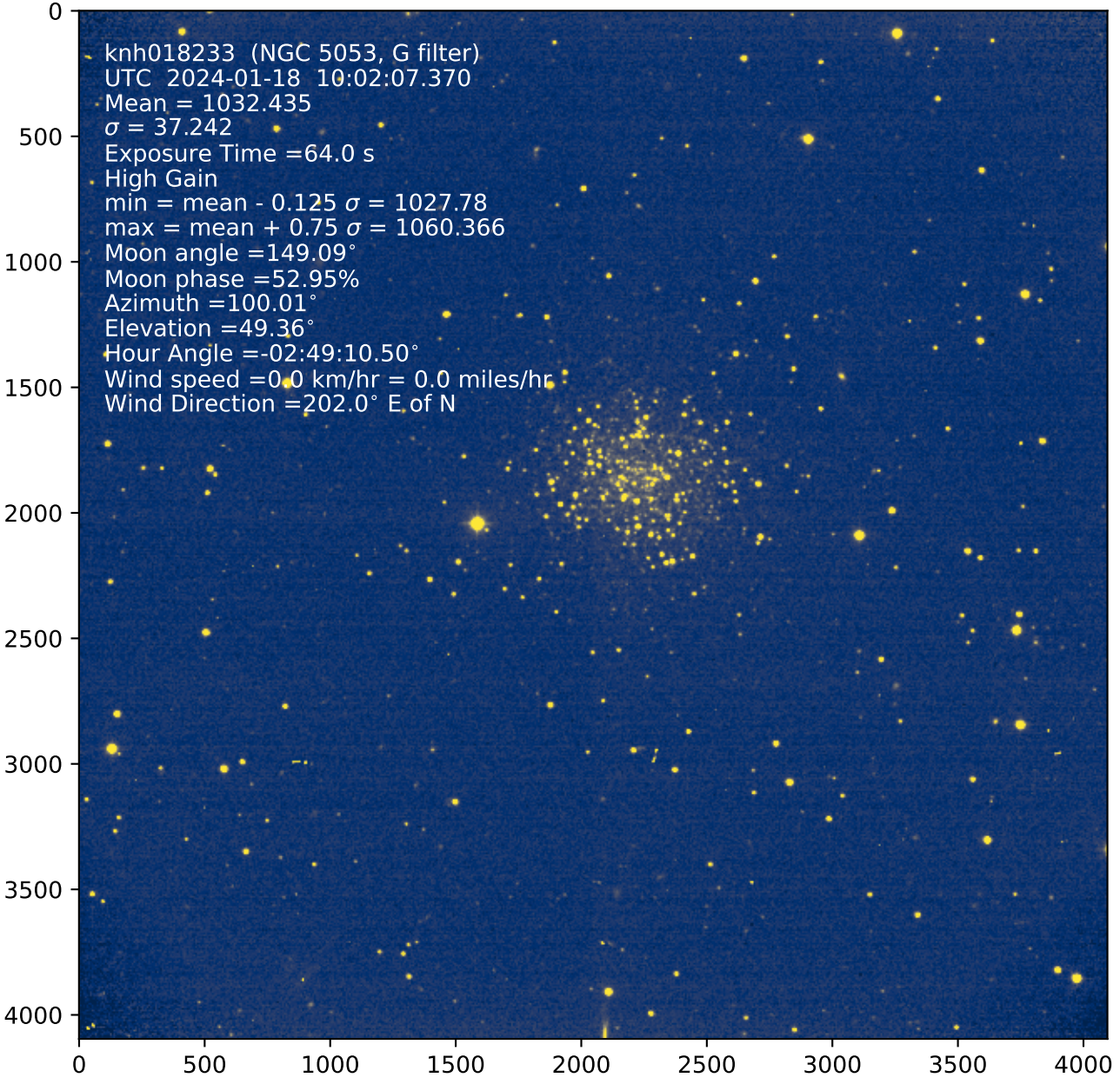
2500
3000
3500
4000


knh018233 (NGC 5053, G filter)
UTC 2024-01-18 10:02:07.370
Mean = 1032.435
σ = 37.242
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.78
max = mean + 0.75 σ = 1060.366
Moon angle =149.09°
Moon phase =52.95%
Azimuth =100.01°
Elevation =49.36°
Hour Angle =-02:49:10.50°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
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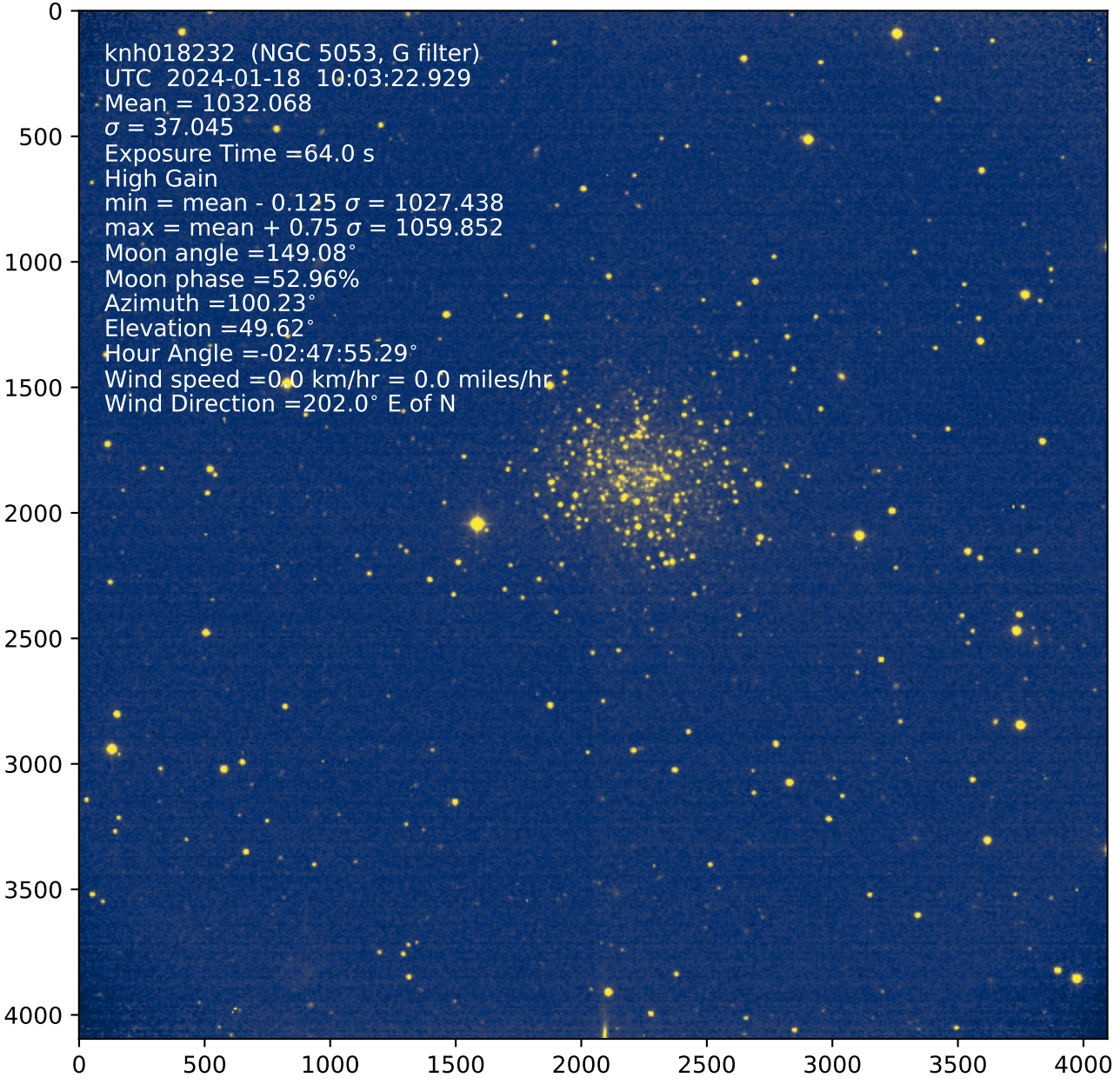
2500
3000
3500
4000


knh018232 (NGC 5053, G filter)
UTC 2024-01-18 10:03:22.929
Mean = 1032.068
σ = 37.045
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.438
max = mean + 0.75 σ = 1059.852
Moon angle =149.08°
Moon phase =52.96%
Azimuth =100.23°
Elevation =49.62°
Hour Angle =-02:47:55.29°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
500
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1500
2000
2500
3000
3500
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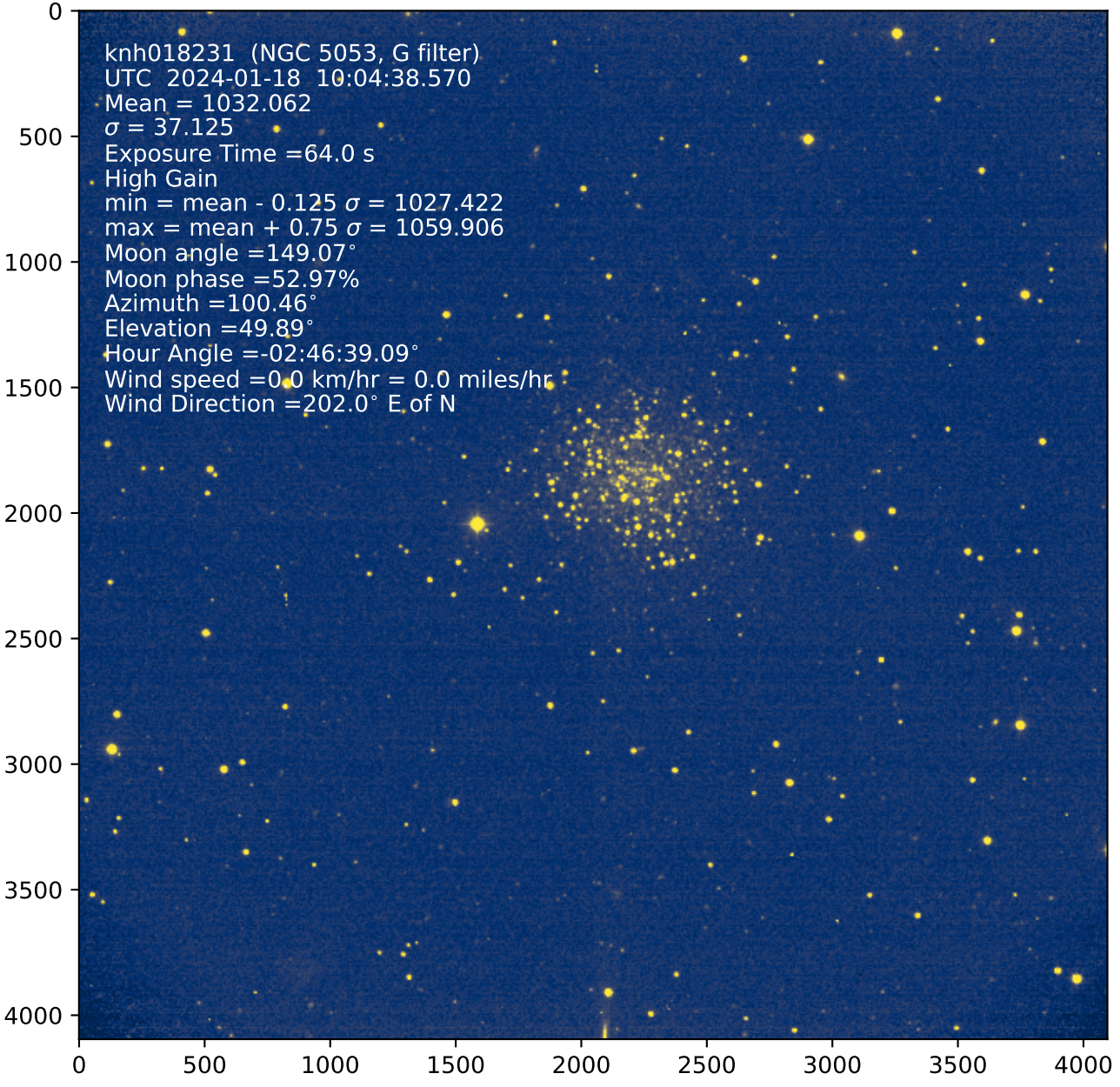
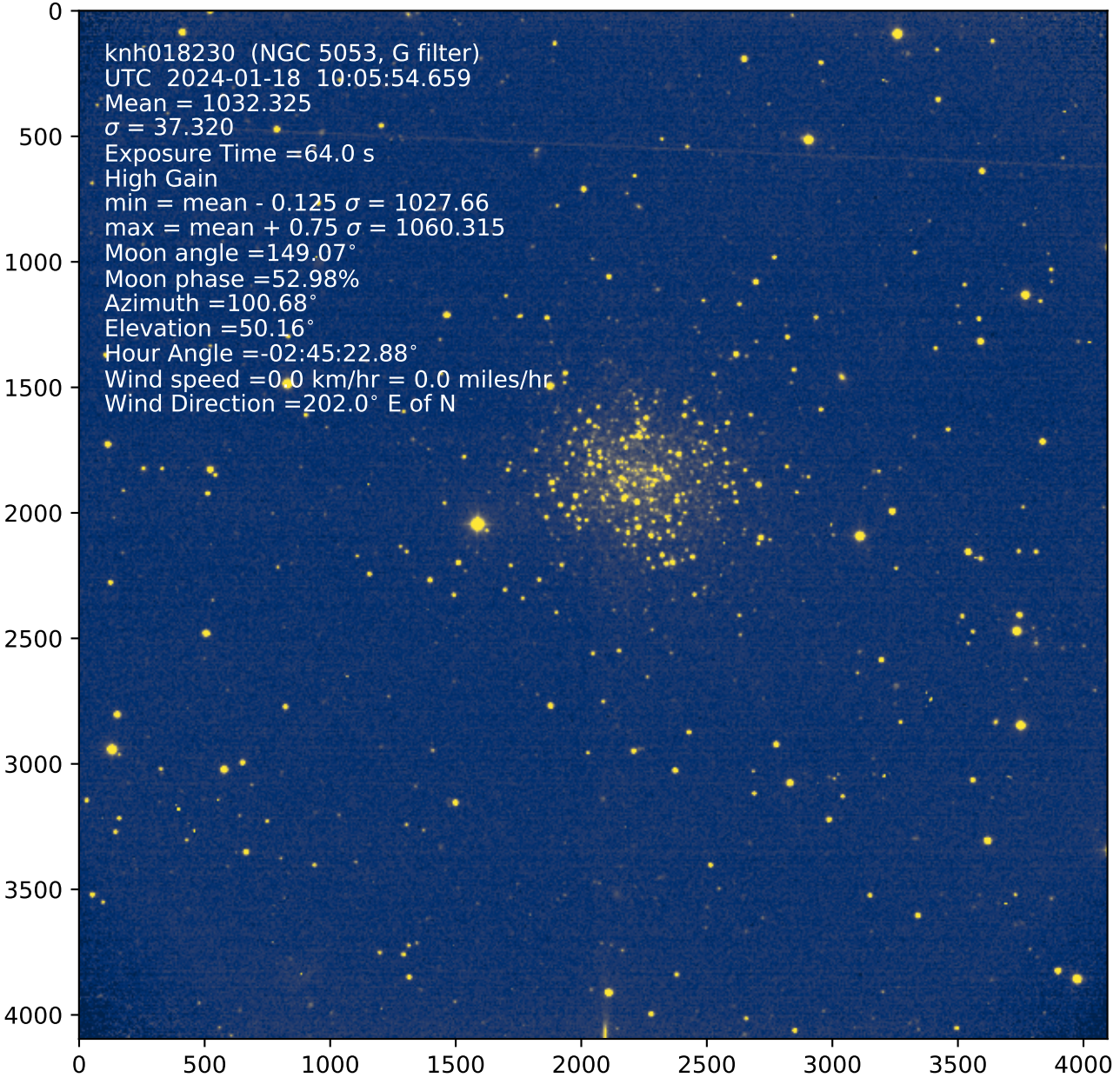
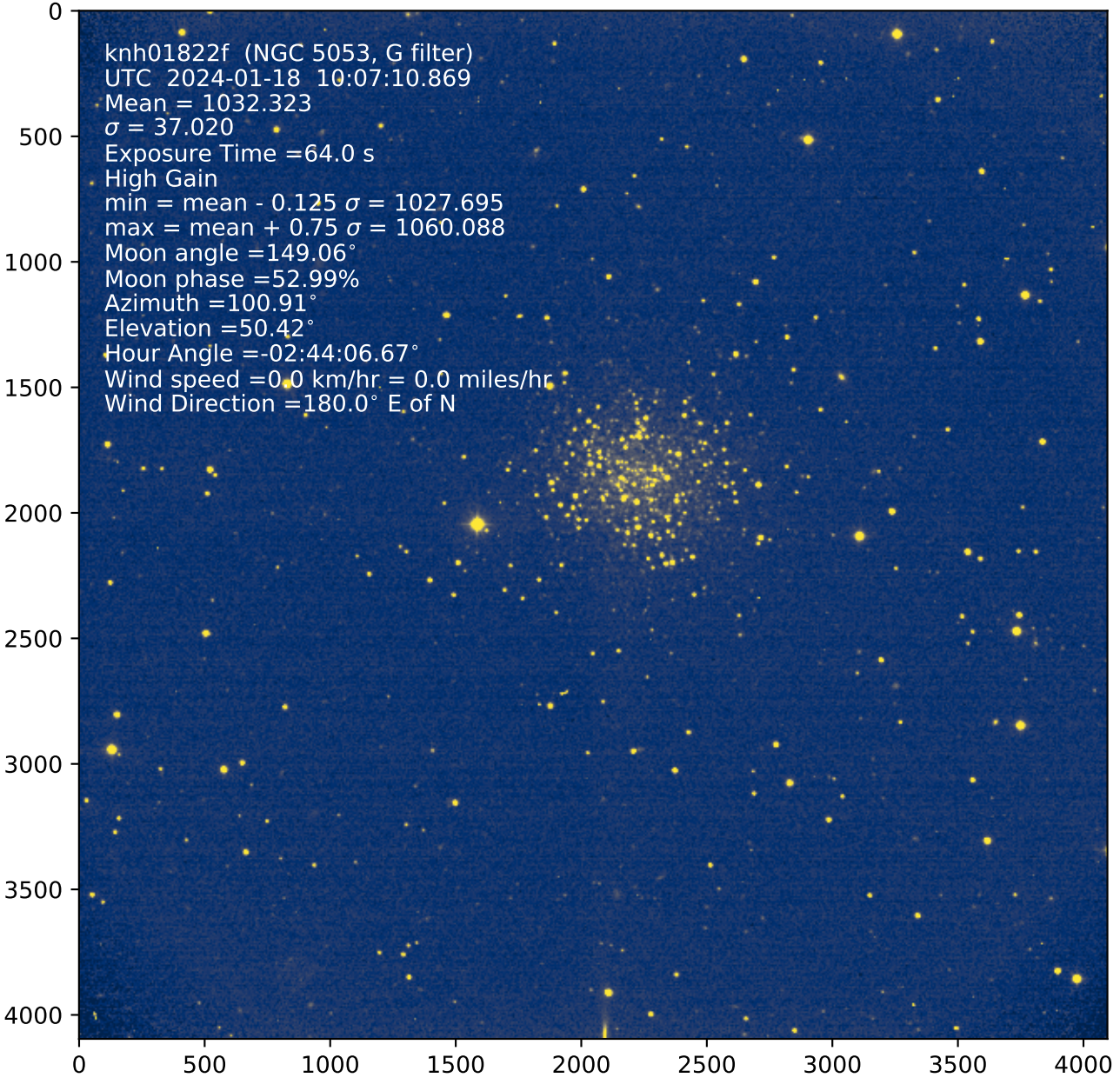
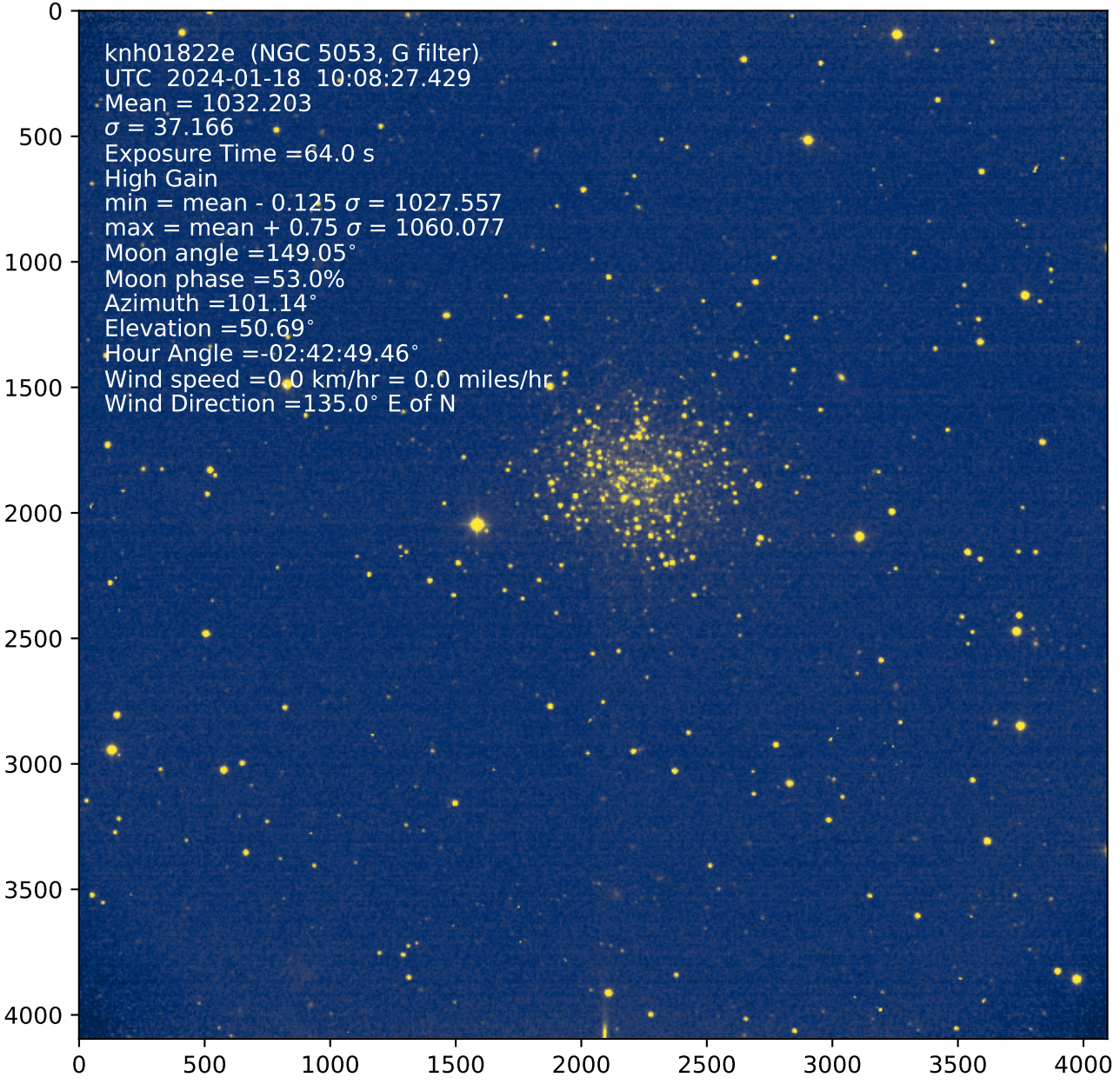
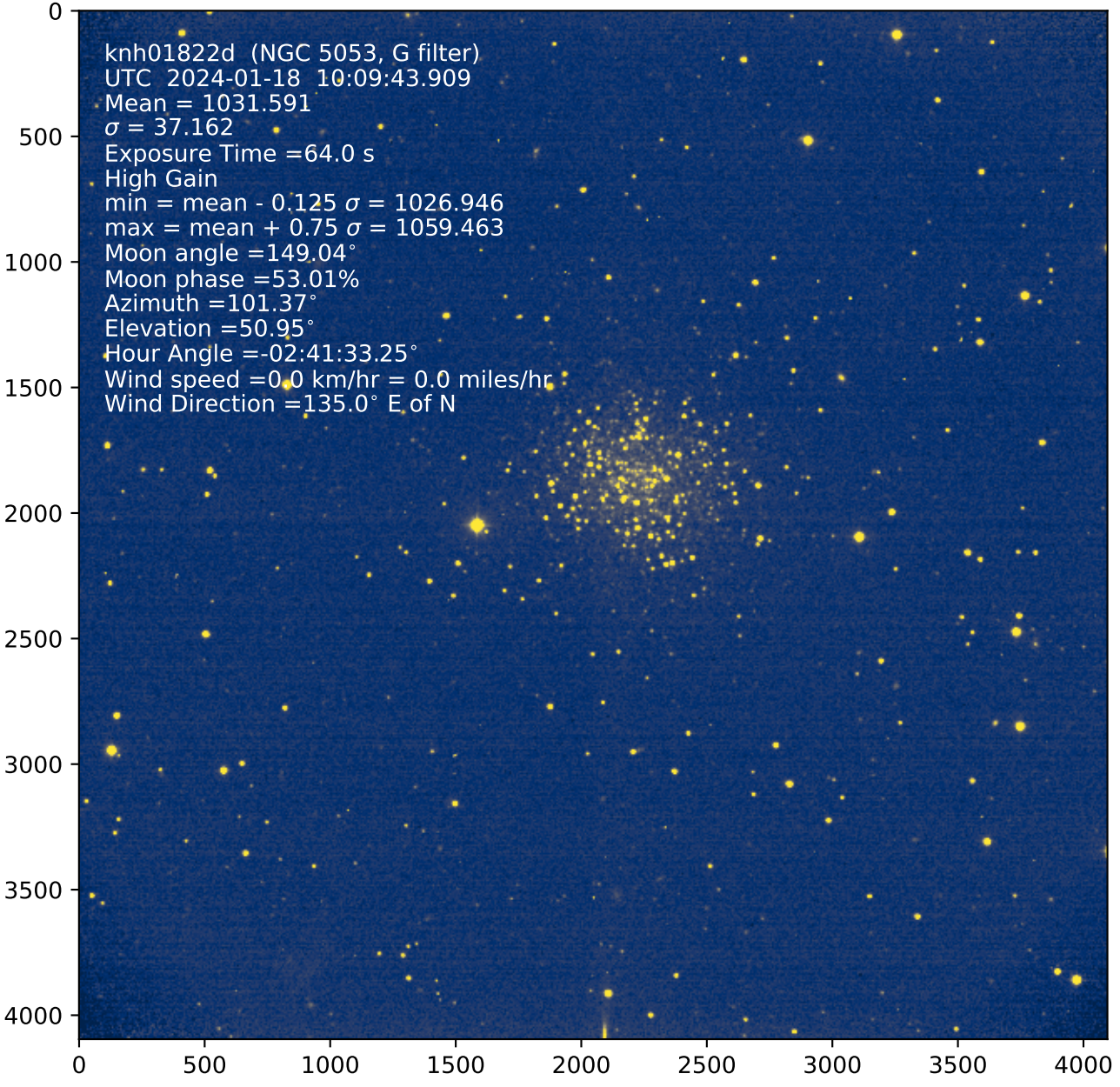
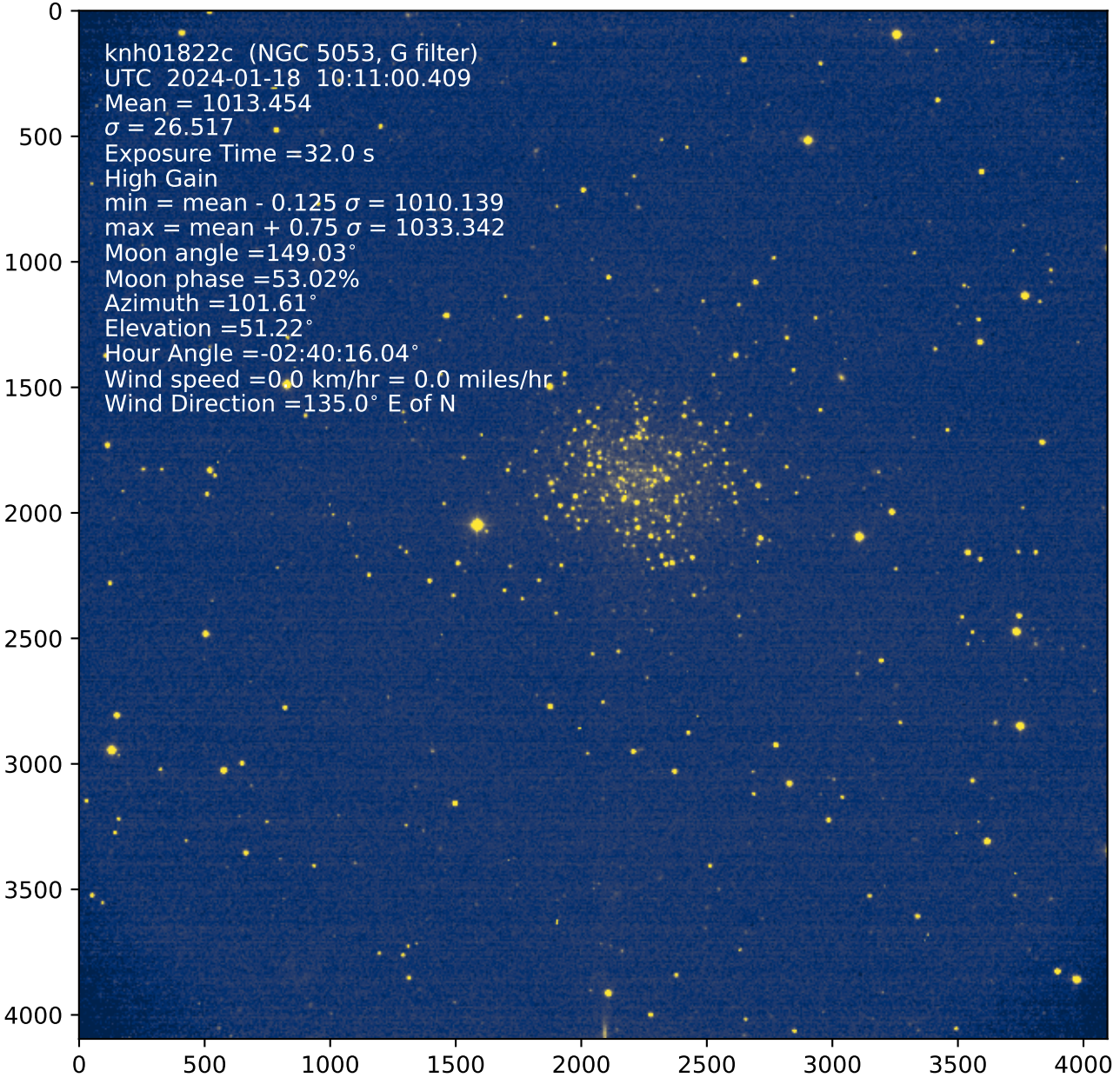

knh018231 (NGC 5053, G filter)
UTC 2024-01-18 10:04:38.570
Mean = 1032.062
σ = 37.125
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.422
max = mean + 0.75 σ = 1059.906
Moon angle =149.07°
Moon phase =52.97%
Azimuth =100.46°
Elevation =49.89°
Hour Angle =-02:46:39.09°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

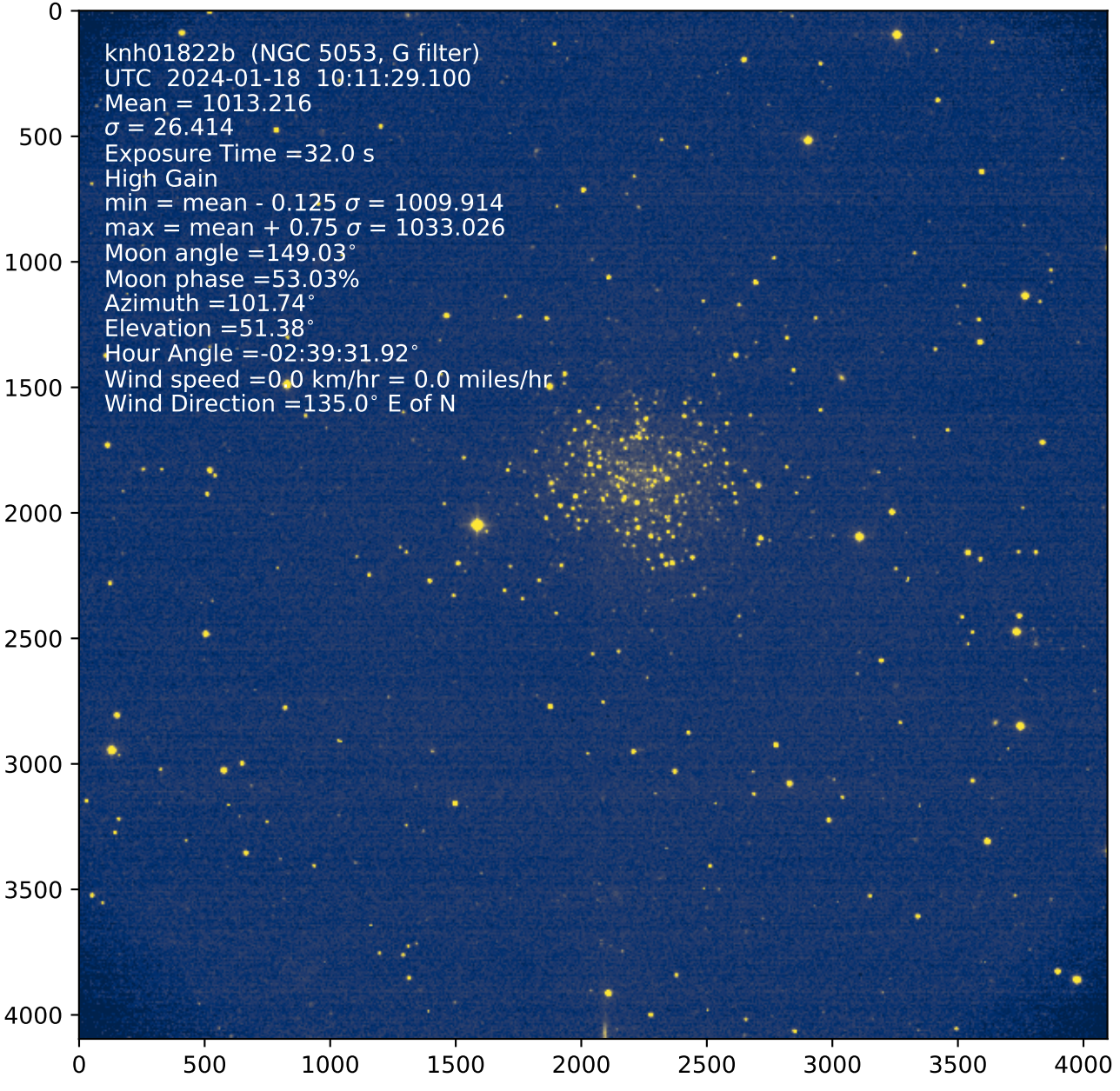

knh018230 (NGC 5053, G filter)
UTC 2024-01-18 10:05:54.659
Mean = 1032.325
σ = 37.320
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.66
max = mean + 0.75 σ = 1060.315
Moon angle =149.07°
Moon phase =52.98%
Azimuth =100.68°
Elevation =50.16°
Hour Angle =-02:45:22.88°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

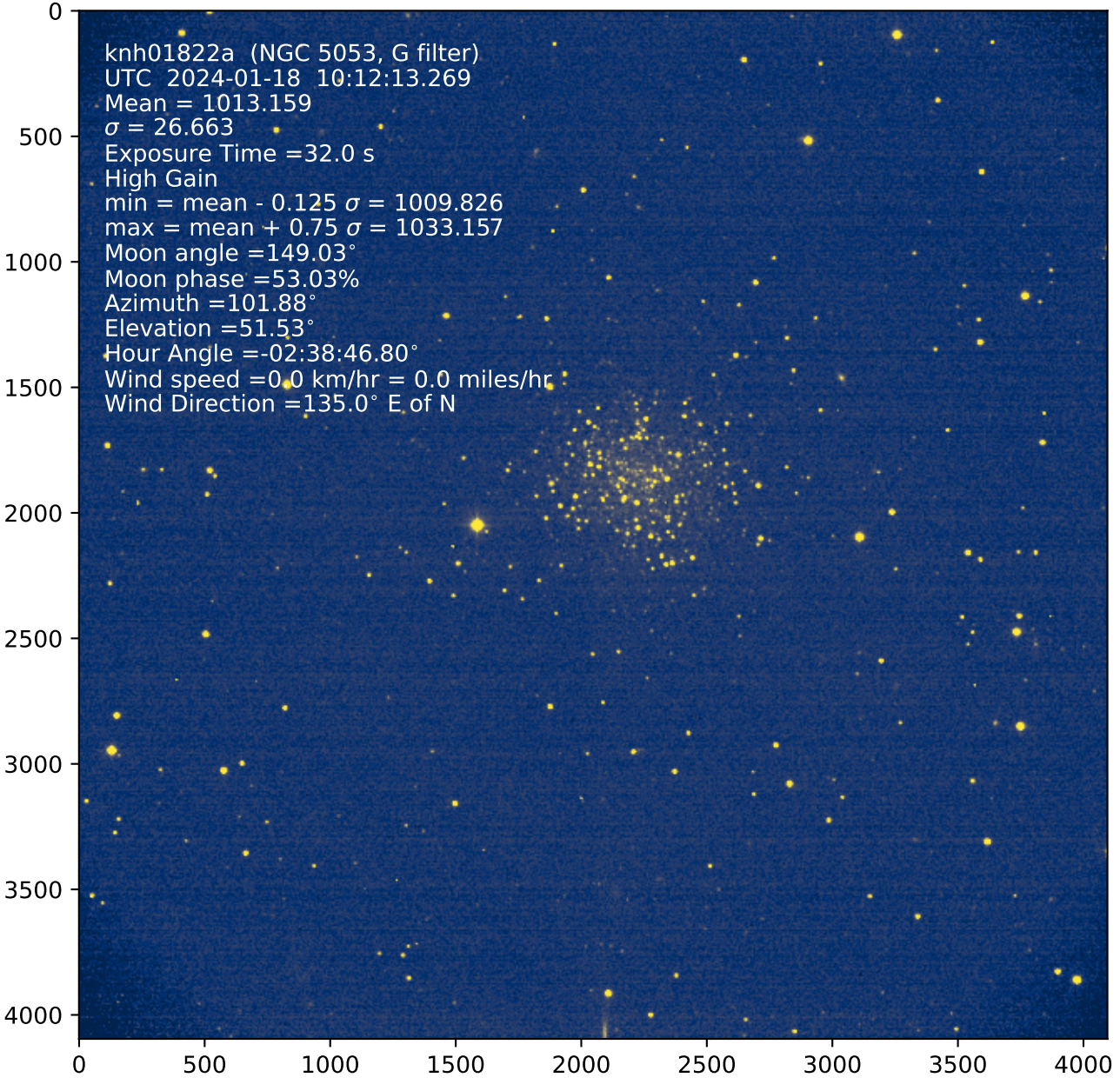

knh01822f (NGC 5053, G filter)
UTC 2024-01-18 10:07:10.869
Mean = 1032.323
σ = 37.020
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.695
max = mean + 0.75 σ = 1060.088
Moon angle =149.06°
Moon phase =52.99%
Azimuth =100.91°
Elevation =50.42°
Hour Angle =-02:44:06.67°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

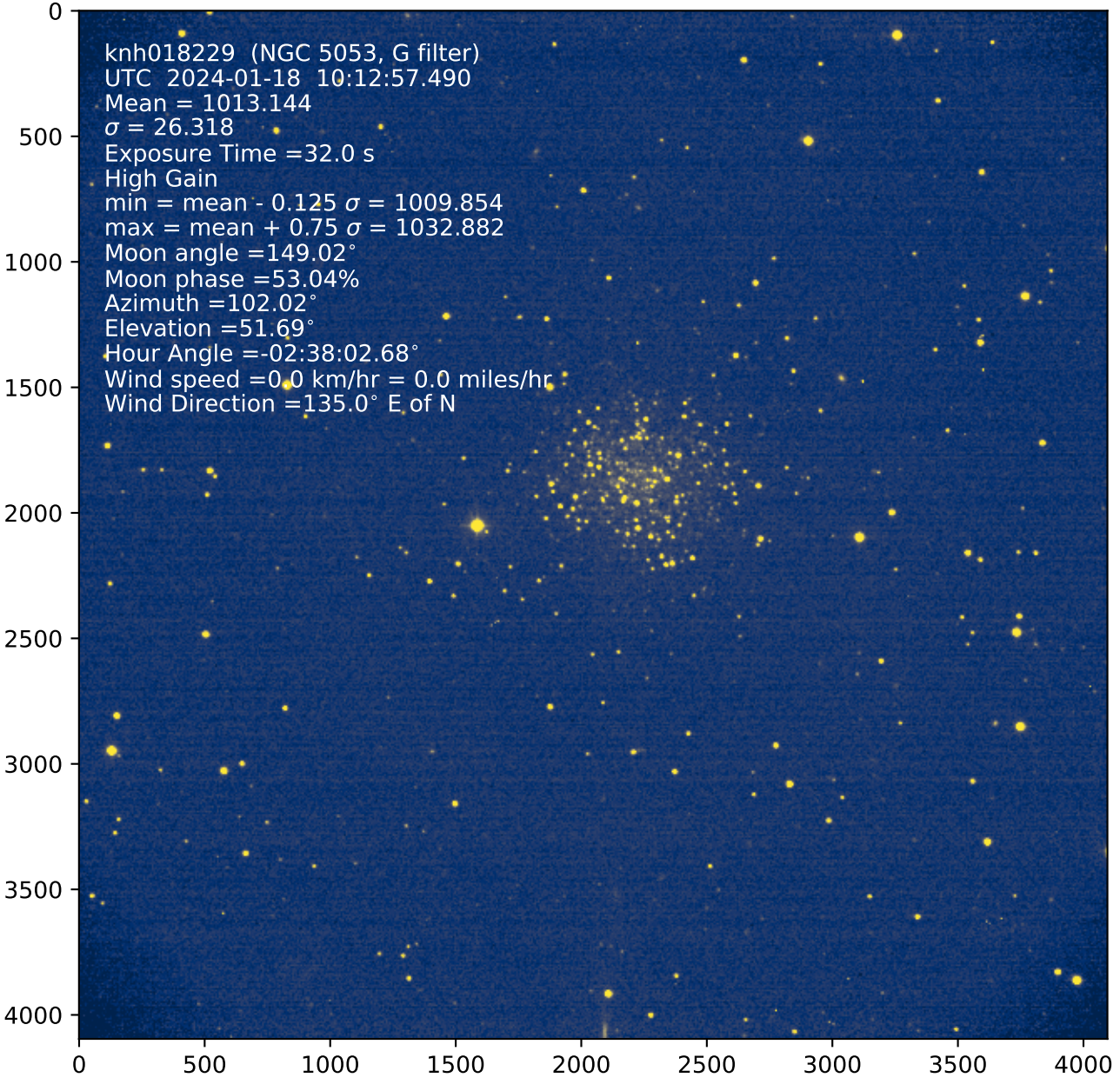

knh01822e (NGC 5053, G filter)
UTC 2024-01-18 10:08:27.429
Mean = 1032.203
σ = 37.166
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1027.557
max = mean + 0.75 σ = 1060.077
Moon angle =149.05˚
Moon phase =53.0%
Azimuth =101.14˚
Elevation =50.69˚
Hour Angle =-02:42:49.46˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

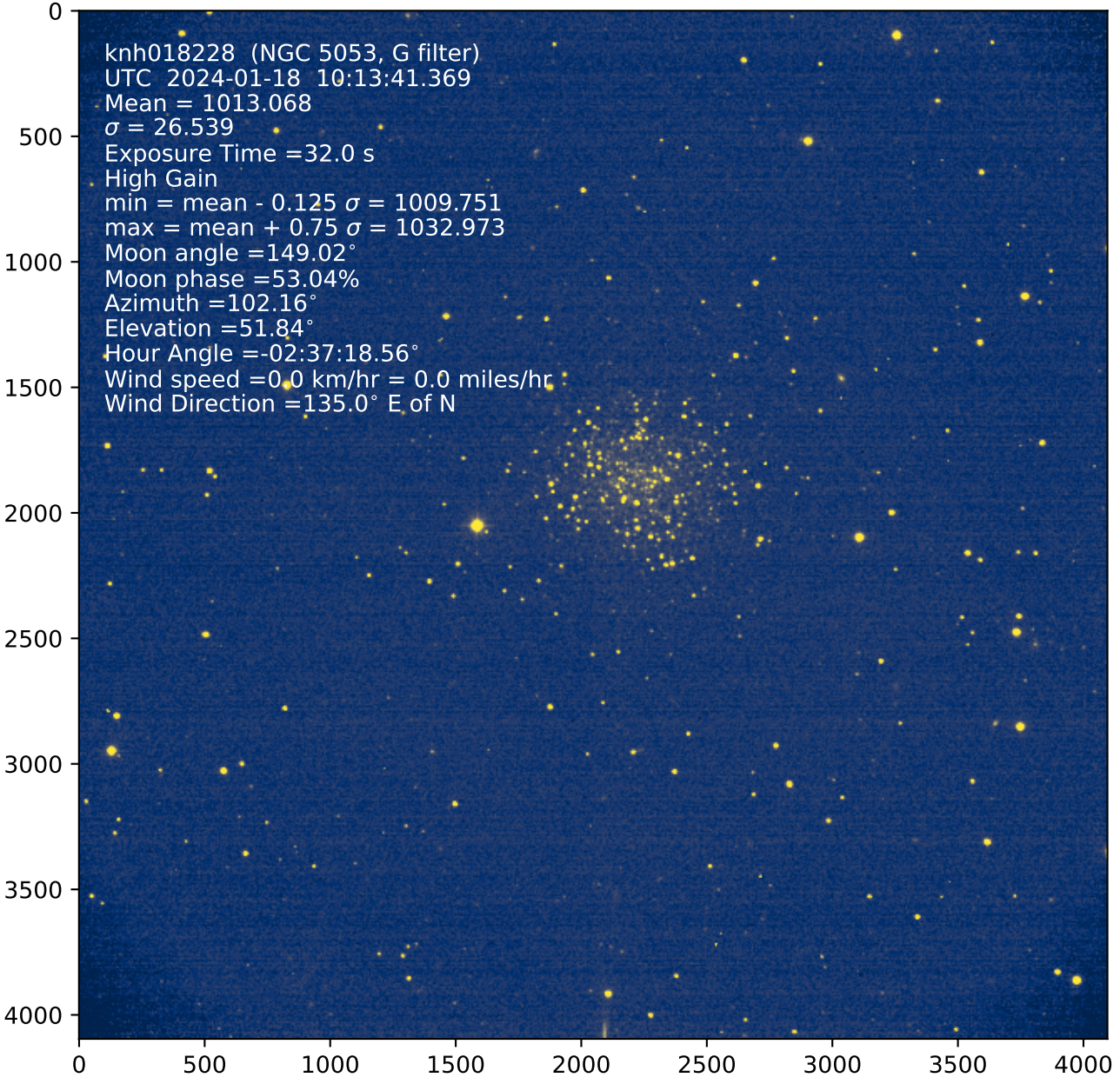

knh01822d (NGC 5053, G filter)
UTC 2024-01-18 10:09:43.909
Mean = 1031.591
σ = 37.162
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1026.946
max = mean + 0.75 σ = 1059.463
Moon angle =149.04°
Moon phase =53.01%
Azimuth =101.37°
Elevation =50.95°
Hour Angle =-02:41:33.25°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

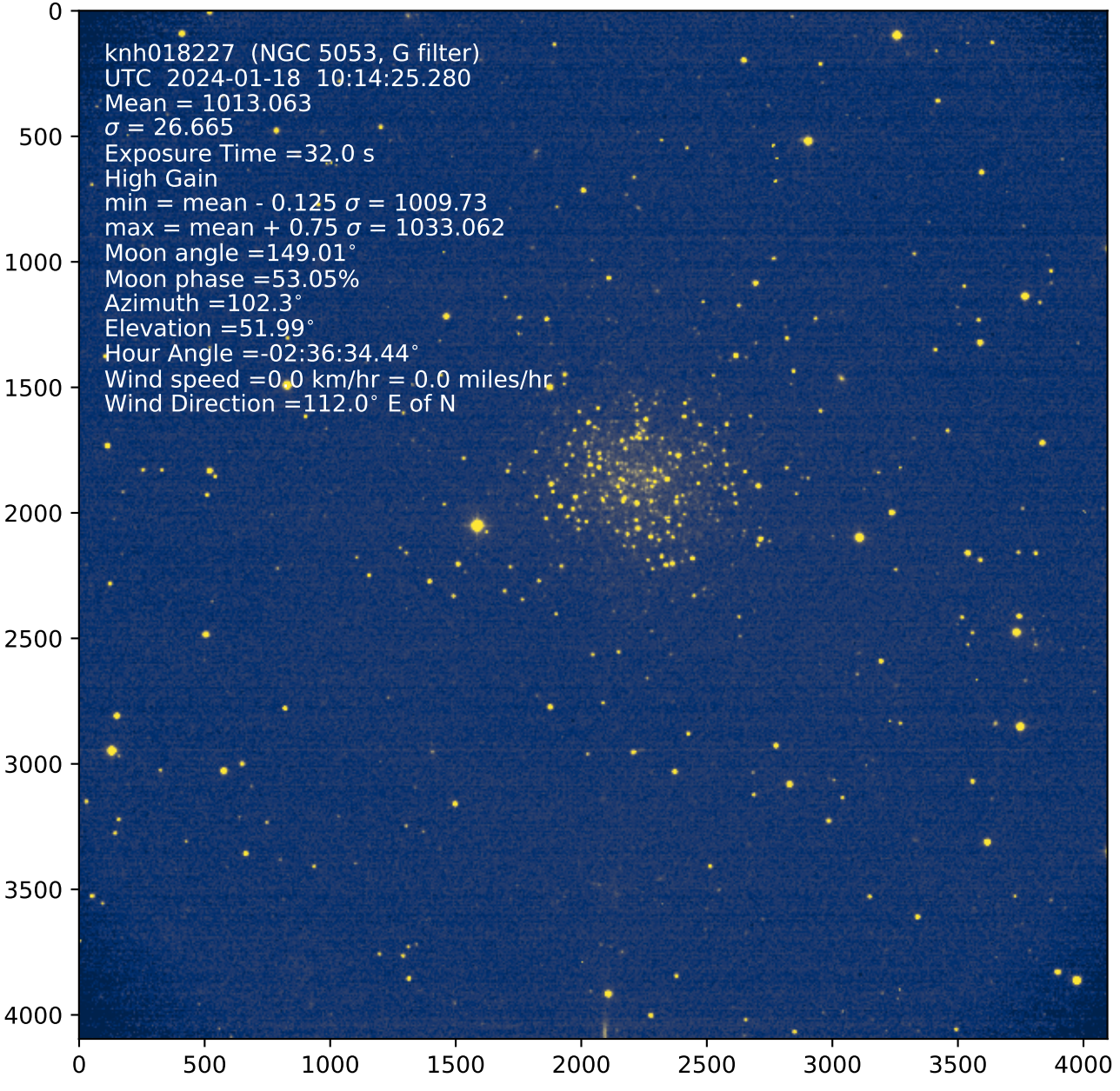

knh01822c (NGC 5053, G filter)
UTC 2024-01-18 10:11:00.409
Mean = 1013.454
σ = 26.517
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1010.139
max = mean + 0.75 σ = 1033.342
Moon angle =149.03°
Moon phase =53.02%
Azimuth =101.61°
Elevation =51.22°
Hour Angle =-02:40:16.04°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

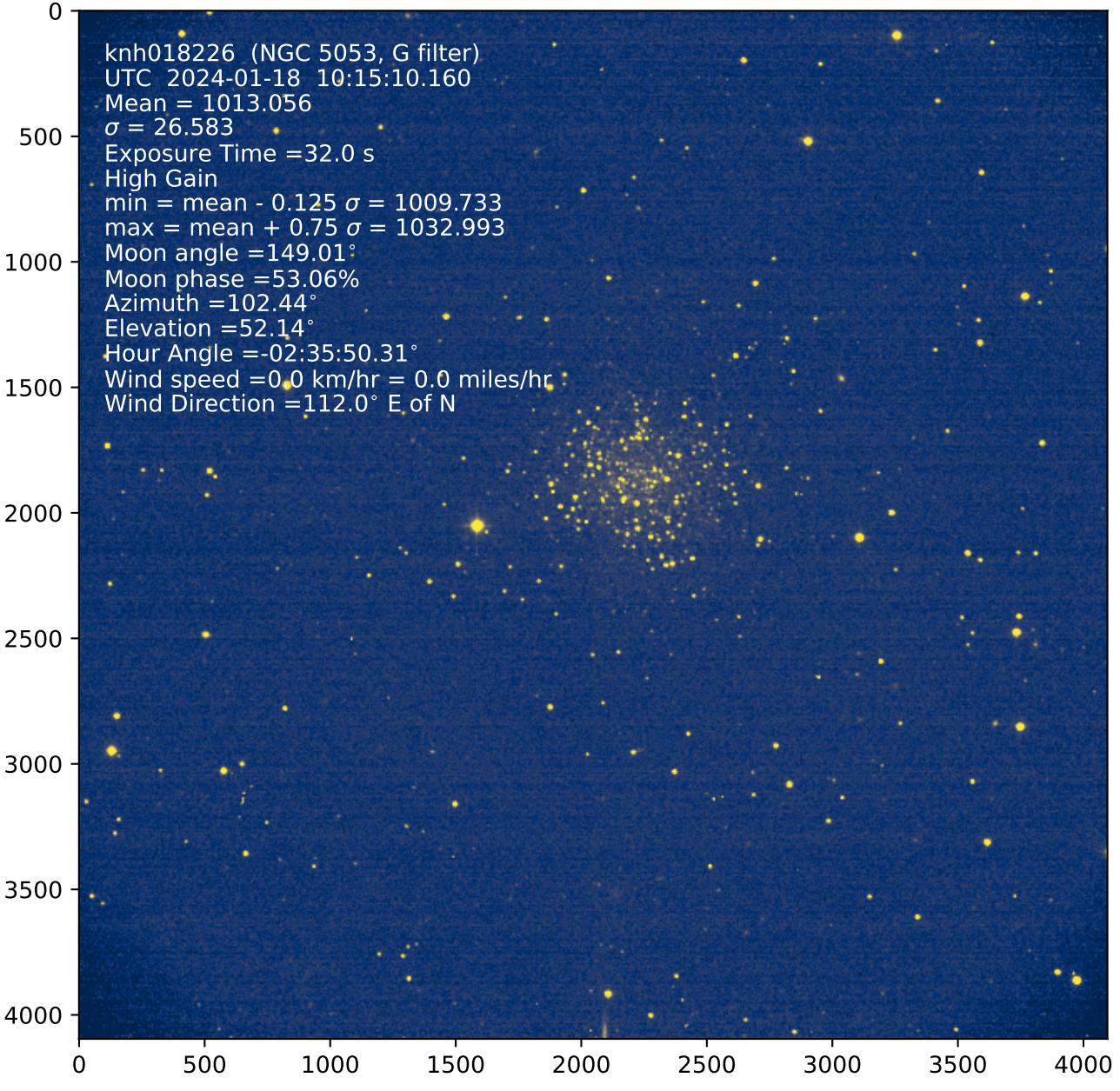

knh01822b (NGC 5053, G filter)
UTC 2024-01-18 10:11:29.100
Mean = 1013.216
σ = 26.414
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.914
max = mean + 0.75 σ = 1033.026
Moon angle =149.03˚
Moon phase =53.03%
Azimuth =101.74˚
Elevation =51.38˚
Hour Angle =-02:39:31.92˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

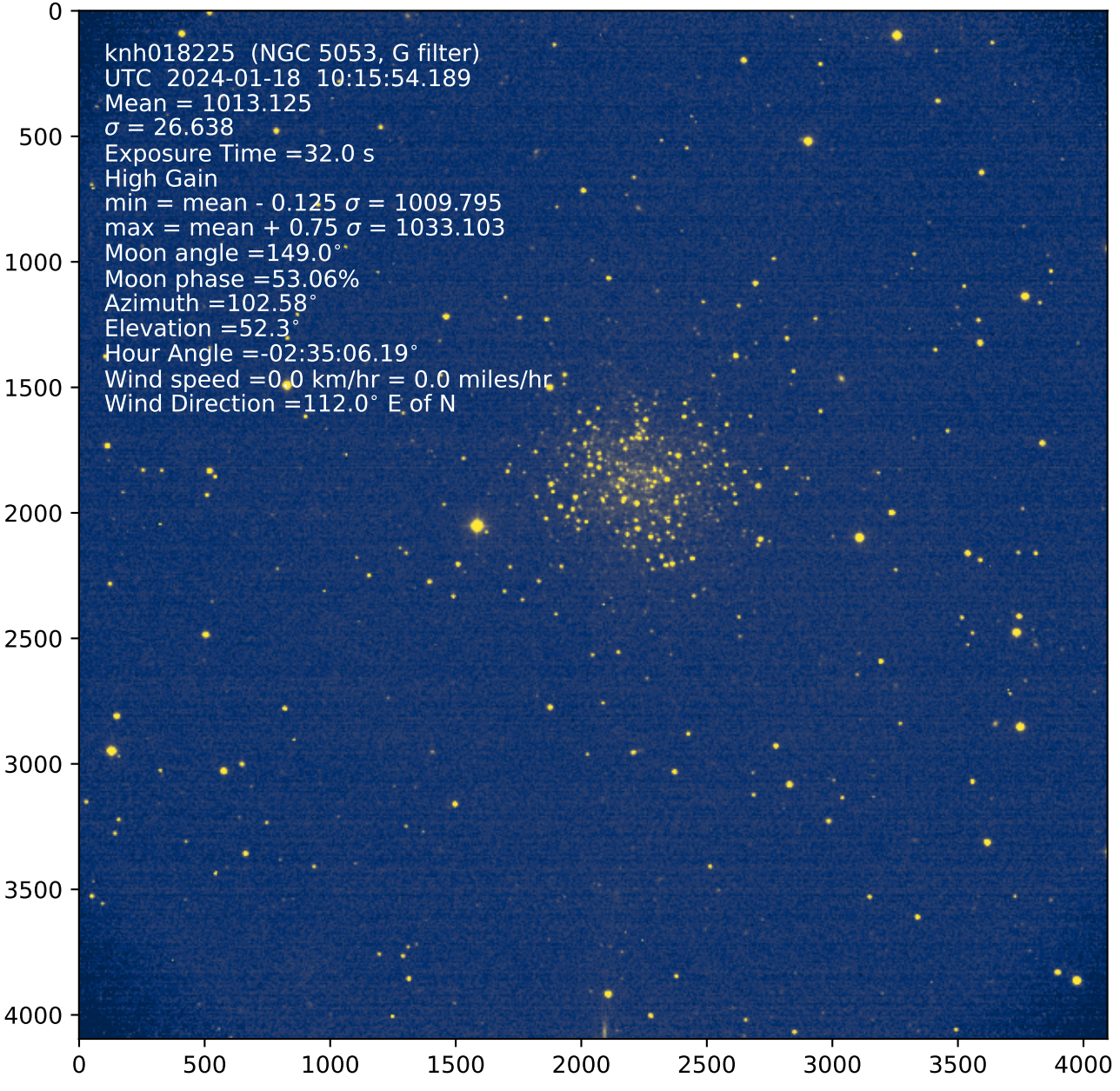

knh01822a (NGC 5053, G filter)
UTC 2024-01-18 10:12:13.269
Mean = 1013.159
σ = 26.663
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.826
max = mean + 0.75 σ = 1033.157
Moon angle =149.03°
Moon phase =53.03%
Azimuth =101.88°
Elevation =51.53°
Hour Angle =-02:38:46.80°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

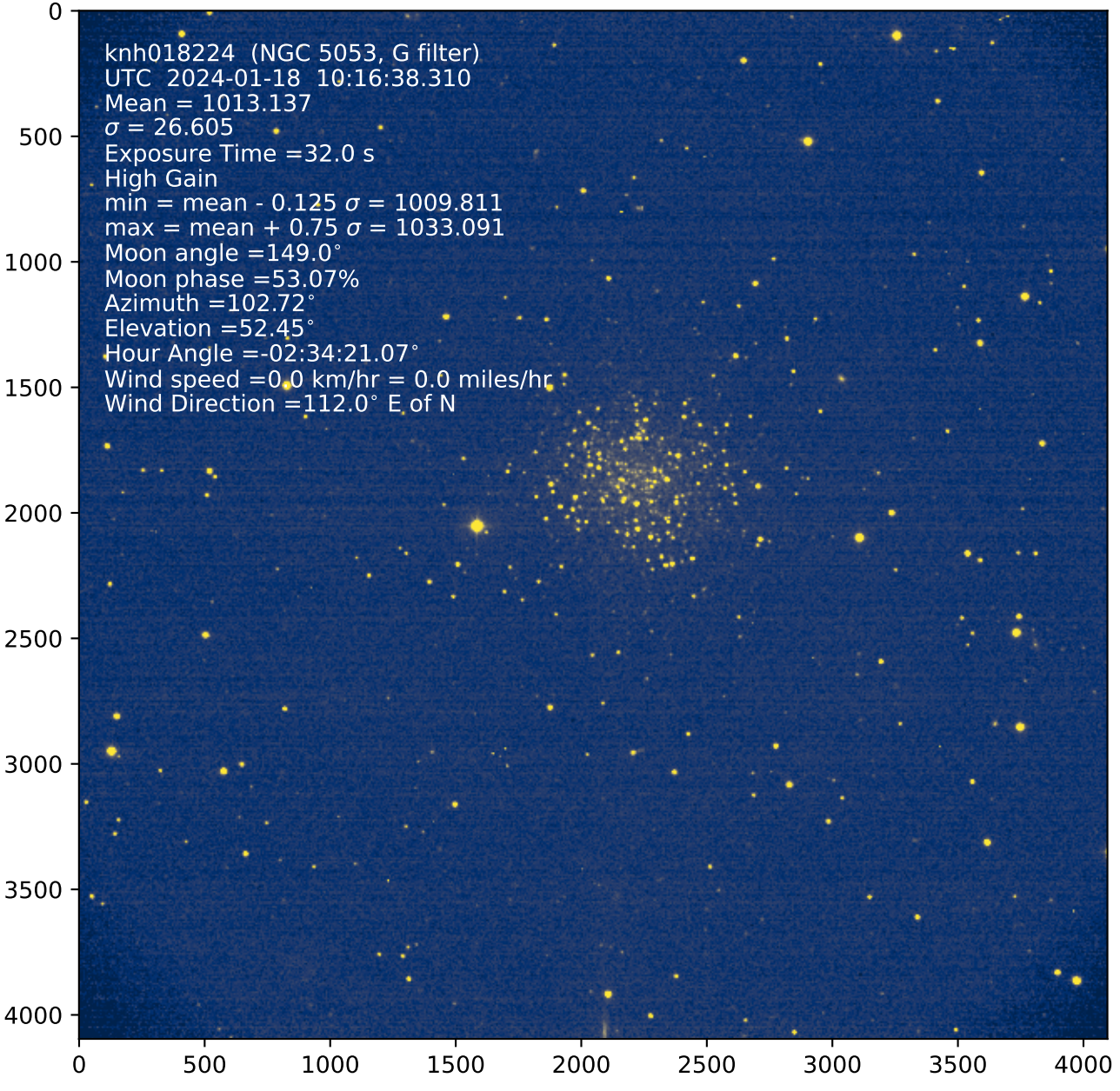

knh018229 (NGC 5053, G filter)
UTC 2024-01-18 10:12:57.490
Mean = 1013.144
σ = 26.318
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.854
max = mean + 0.75 σ = 1032.882
Moon angle =149.02°
Moon phase =53.04%
Azimuth =102.02°
Elevation =51.69°
Hour Angle =-02:38:02.68°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

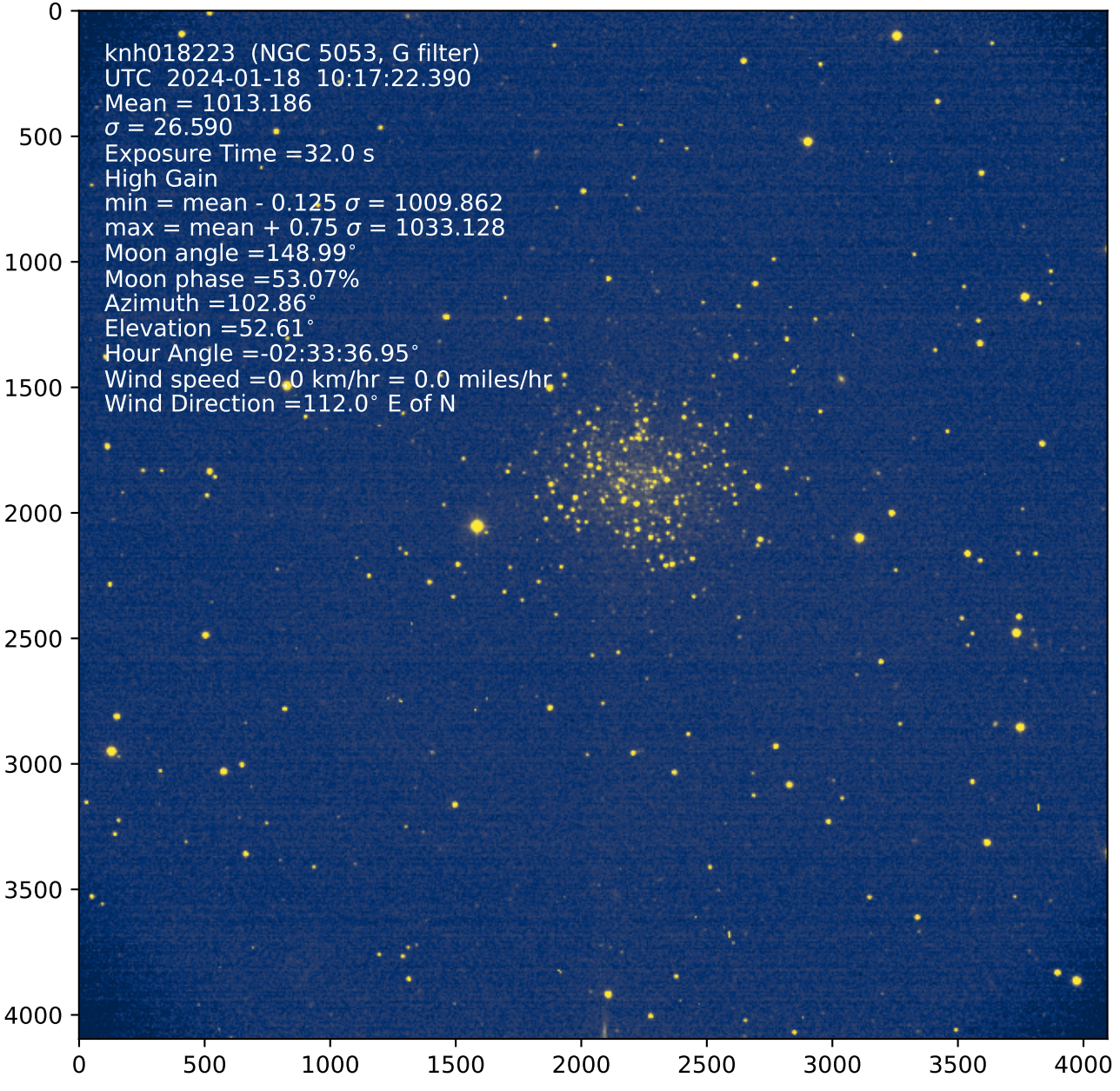

knh018228 (NGC 5053, G filter)
UTC 2024-01-18 10:13:41.369
Mean = 1013.068
σ = 26.539
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.751
max = mean + 0.75 σ = 1032.973
Moon angle =149.02°
Moon phase =53.04%
Azimuth =102.16°
Elevation =51.84°
Hour Angle =-02:37:18.56°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

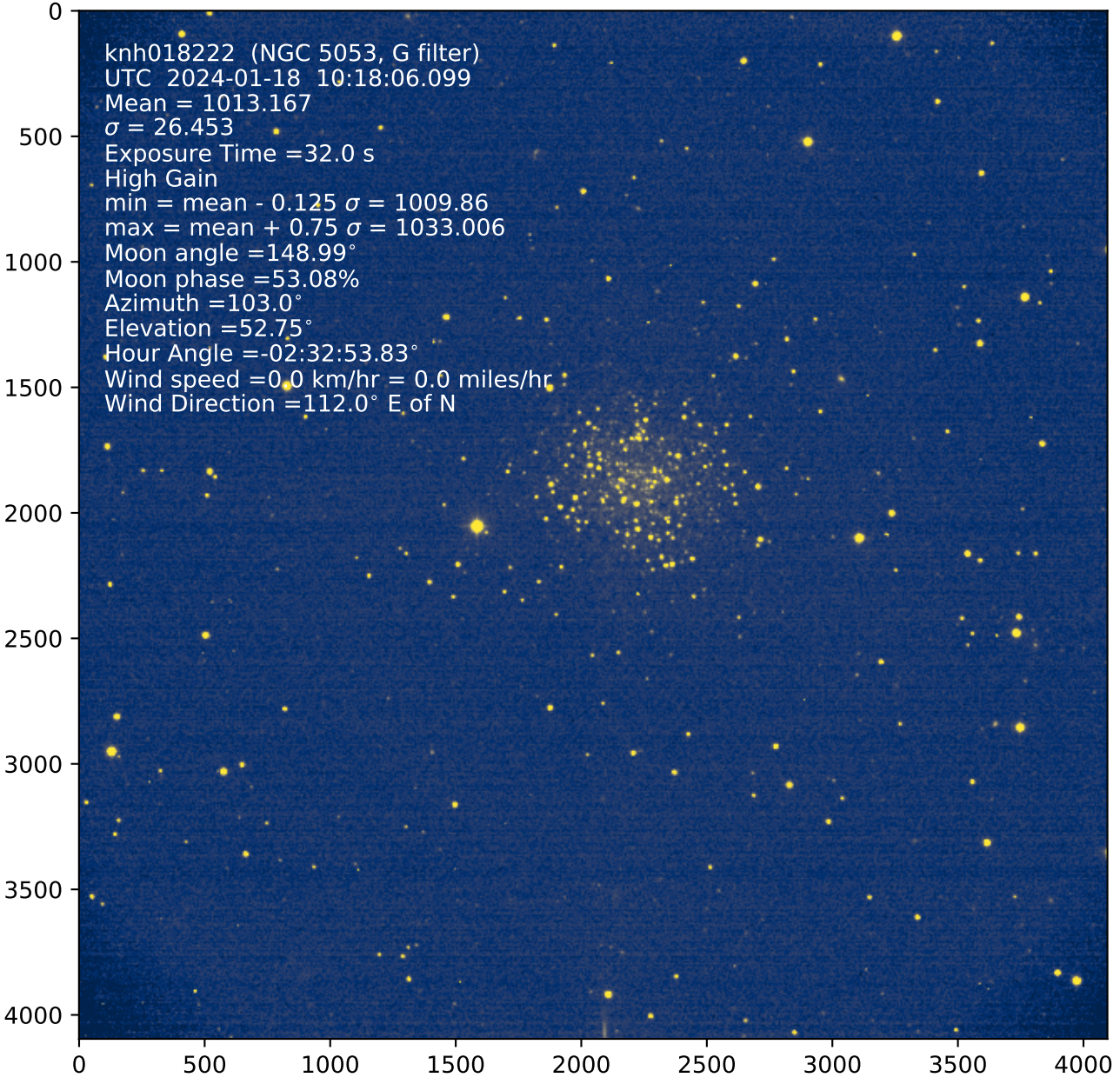

knh018227 (NGC 5053, G filter)
UTC 2024-01-18 10:14:25.280
Mean = 1013.063
σ = 26.665
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.73
max = mean + 0.75 σ = 1033.062
Moon angle =149.01°
Moon phase =53.05%
Azimuth =102.3°
Elevation =51.99°
Hour Angle =-02:36:34.44°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

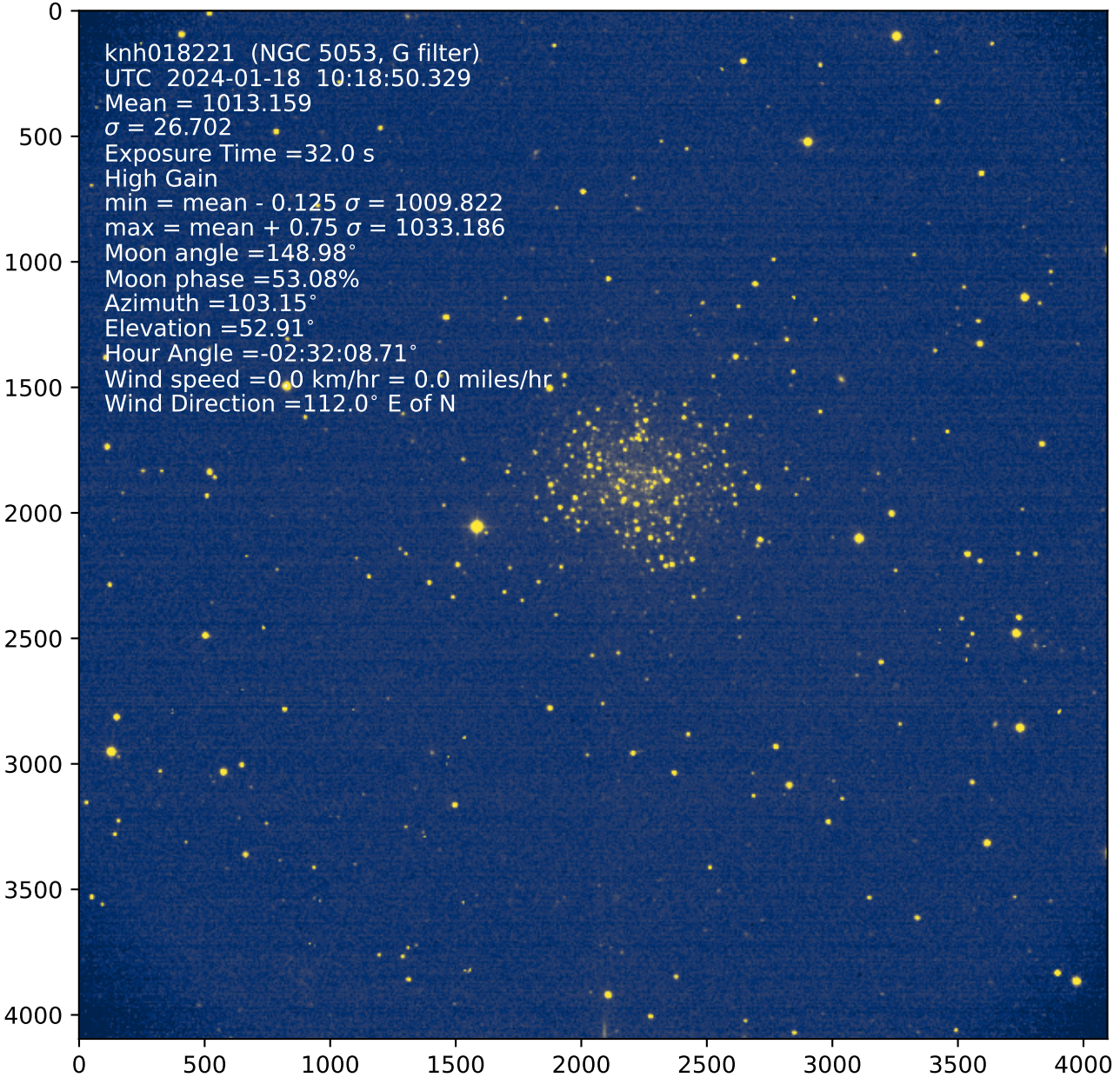

knh018226 (NGC 5053, G filter)
UTC 2024-01-18 10:15:10.160
Mean = 1013.056
σ = 26.583
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.733
max = mean + 0.75 σ = 1032.993
Moon angle =149.01°
Moon phase =53.06%
Azimuth =102.44°
Elevation =52.14°
Hour Angle =-02:35:50.31°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

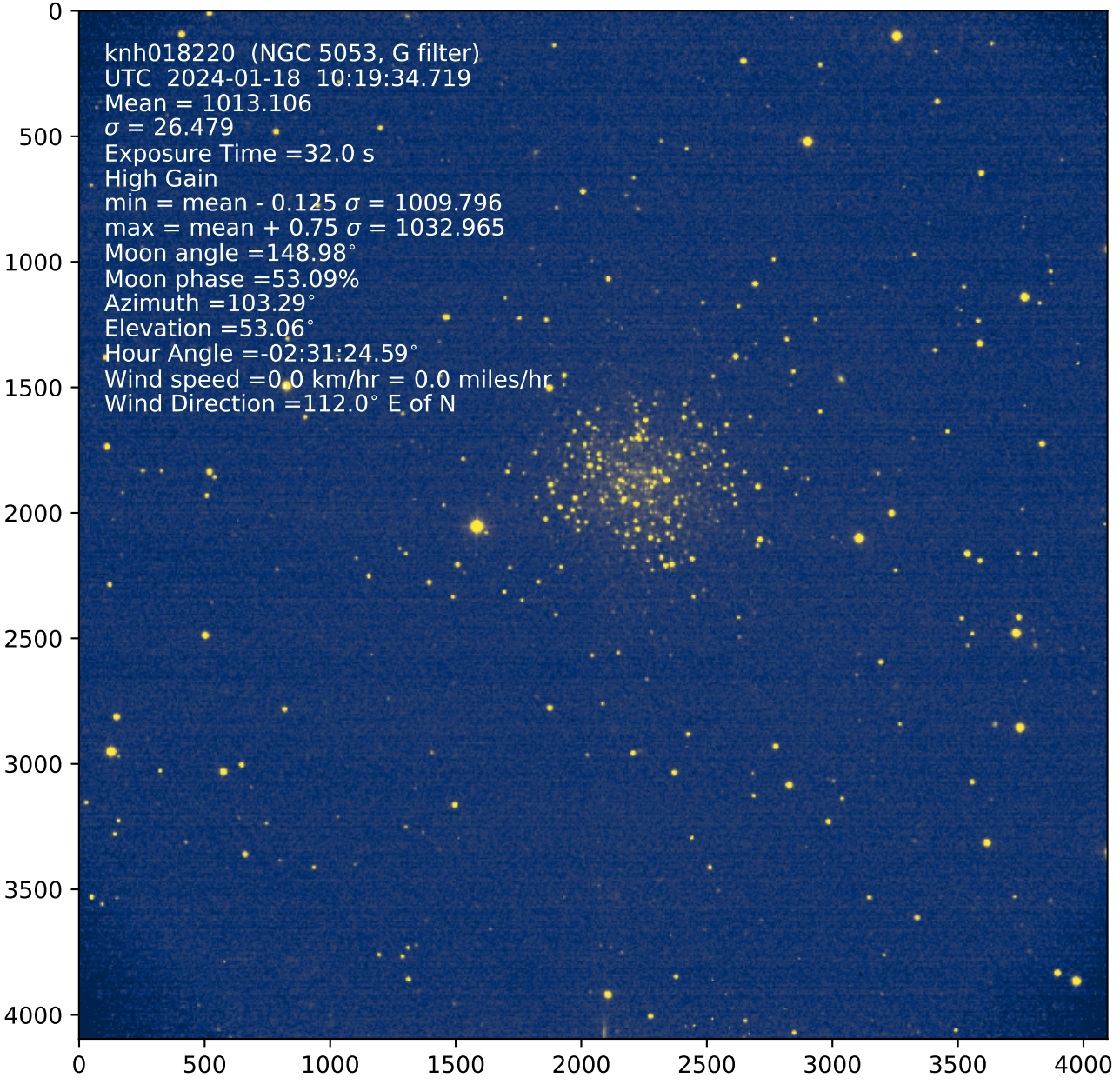

knh018225 (NGC 5053, G filter)
UTC 2024-01-18 10:15:54.189
Mean = 1013.125
σ = 26.638
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.795
max = mean + 0.75 σ = 1033.103
Moon angle =149.0°
Moon phase =53.06%
Azimuth =102.58°
Elevation =52.3°
Hour Angle =-02:35:06.19°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

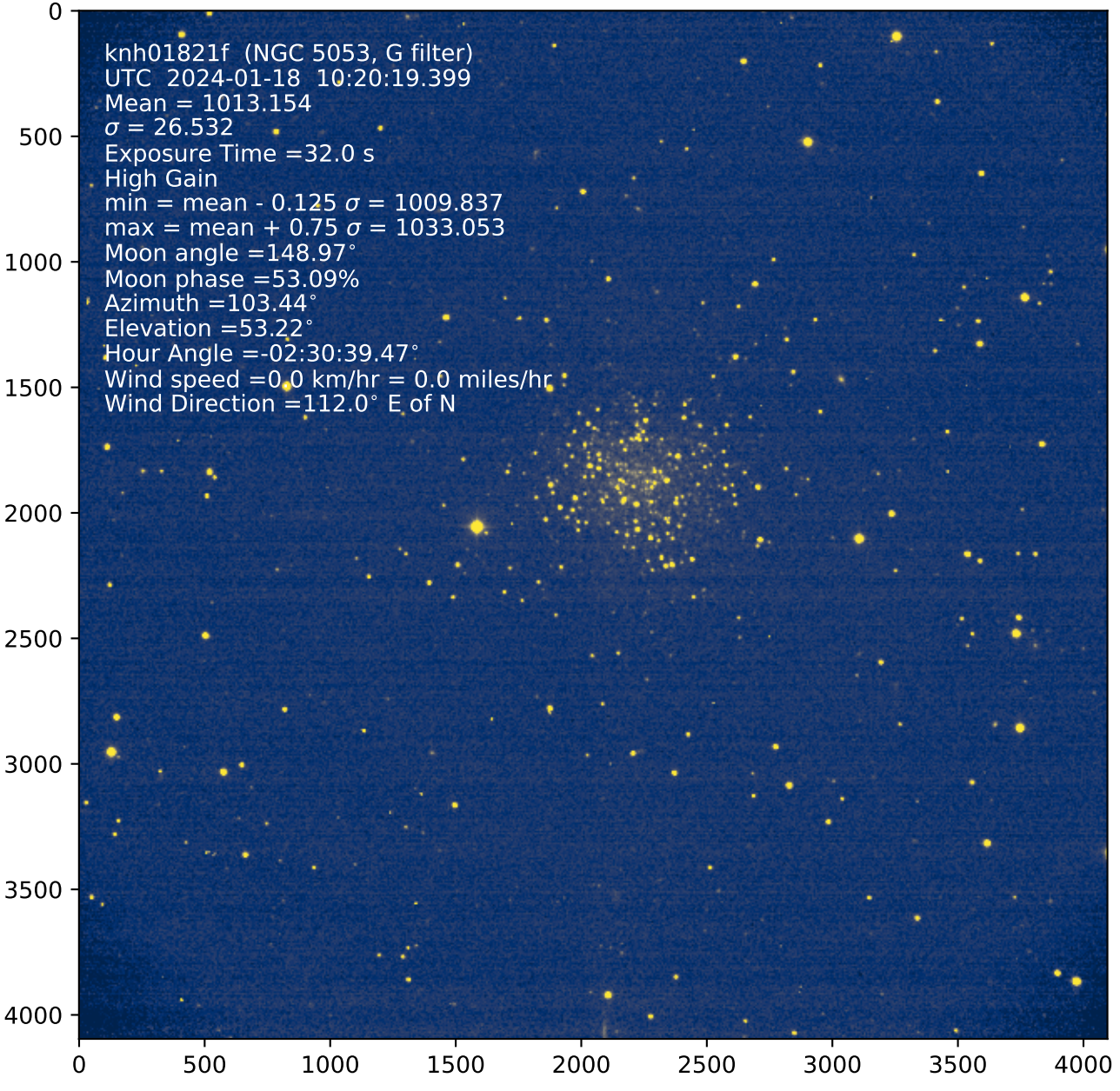

knh018224 (NGC 5053, G filter)
UTC 2024-01-18 10:16:38.310
Mean = 1013.137
σ = 26.605
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.811
max = mean + 0.75 σ = 1033.091
Moon angle =149.0°
Moon phase =53.07%
Azimuth =102.72°
Elevation =52.45°
Hour Angle =-02:34:21.07°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

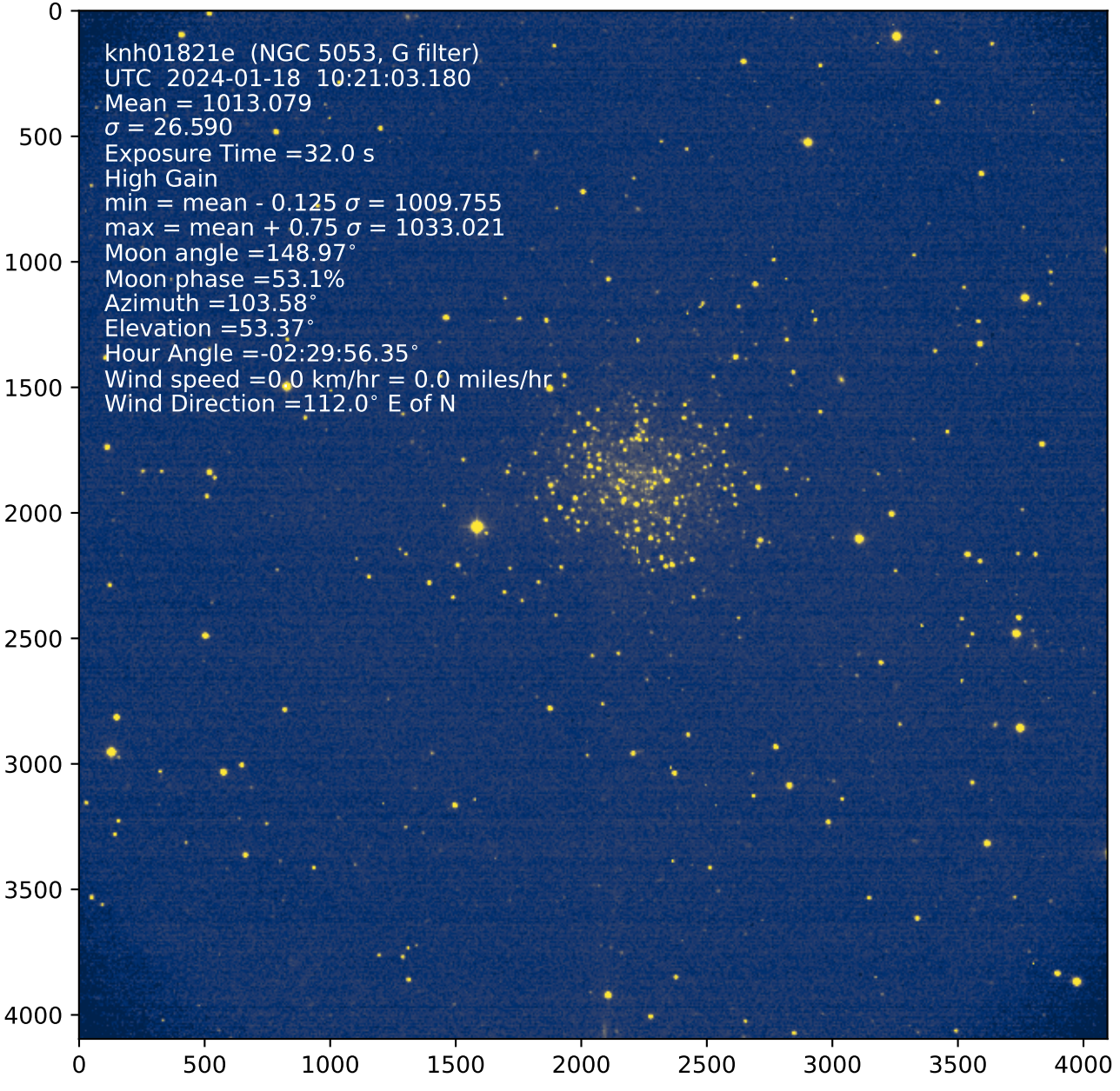

knh018223 (NGC 5053, G filter)
UTC 2024-01-18 10:17:22.390
Mean = 1013.186
σ = 26.590
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.862
max = mean + 0.75 σ = 1033.128
Moon angle =148.99°
Moon phase =53.07%
Azimuth =102.86°
Elevation =52.61°
Hour Angle =-02:33:36.95°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

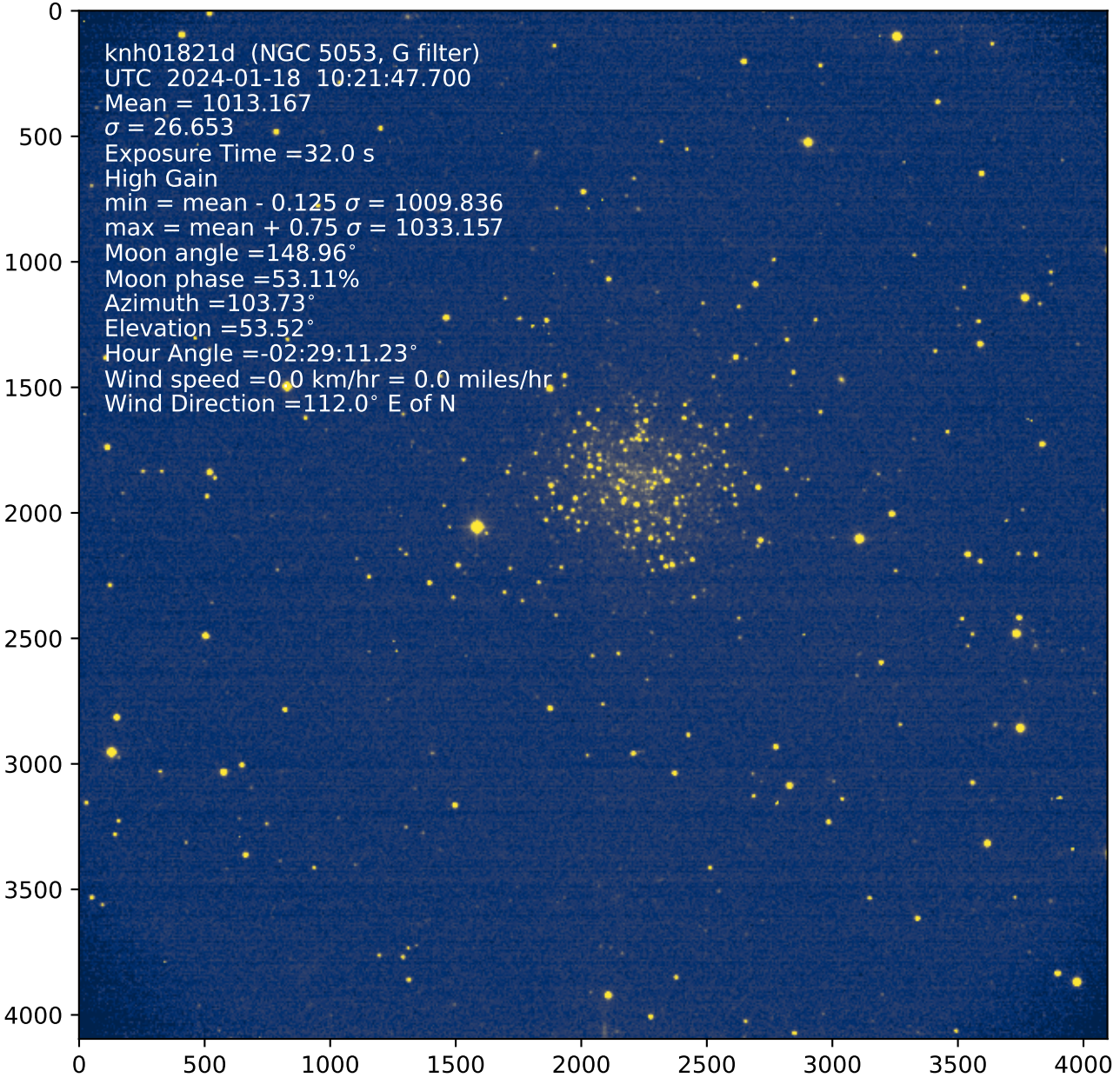

knh018222 (NGC 5053, G filter)
UTC 2024-01-18 10:18:06.099
Mean = 1013.167
σ = 26.453
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.86
max = mean + 0.75 σ = 1033.006
Moon angle =148.99°
Moon phase =53.08%
Azimuth =103.0°
Elevation =52.75°
Hour Angle =-02:32:53.83°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

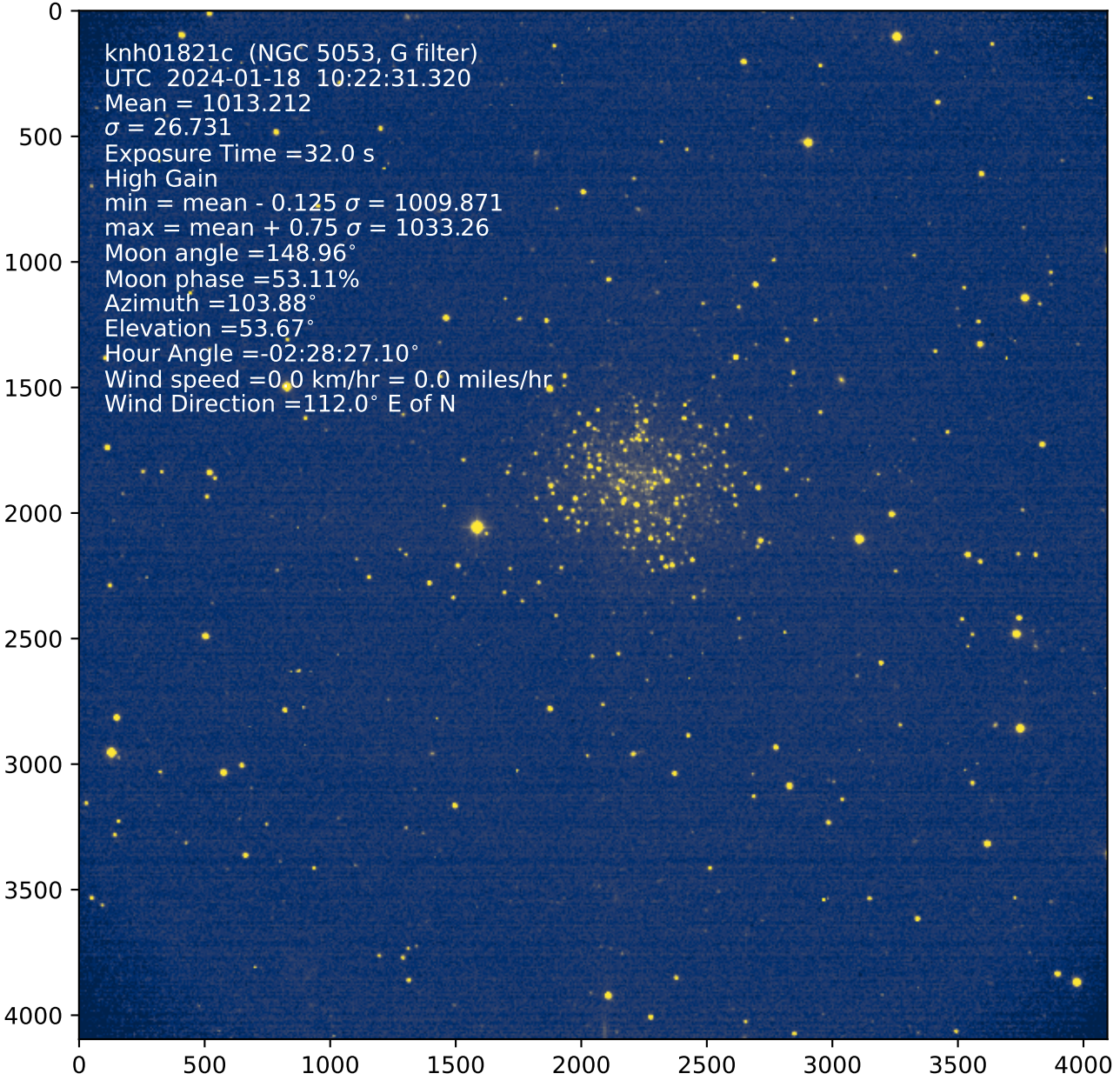

knh018221 (NGC 5053, G filter)
UTC 2024-01-18 10:18:50.329
Mean = 1013.159
σ = 26.702
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.822
max = mean + 0.75 σ = 1033.186
Moon angle =148.98°
Moon phase =53.08%
Azimuth =103.15°
Elevation =52.91°
Hour Angle =-02:32:08.71°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

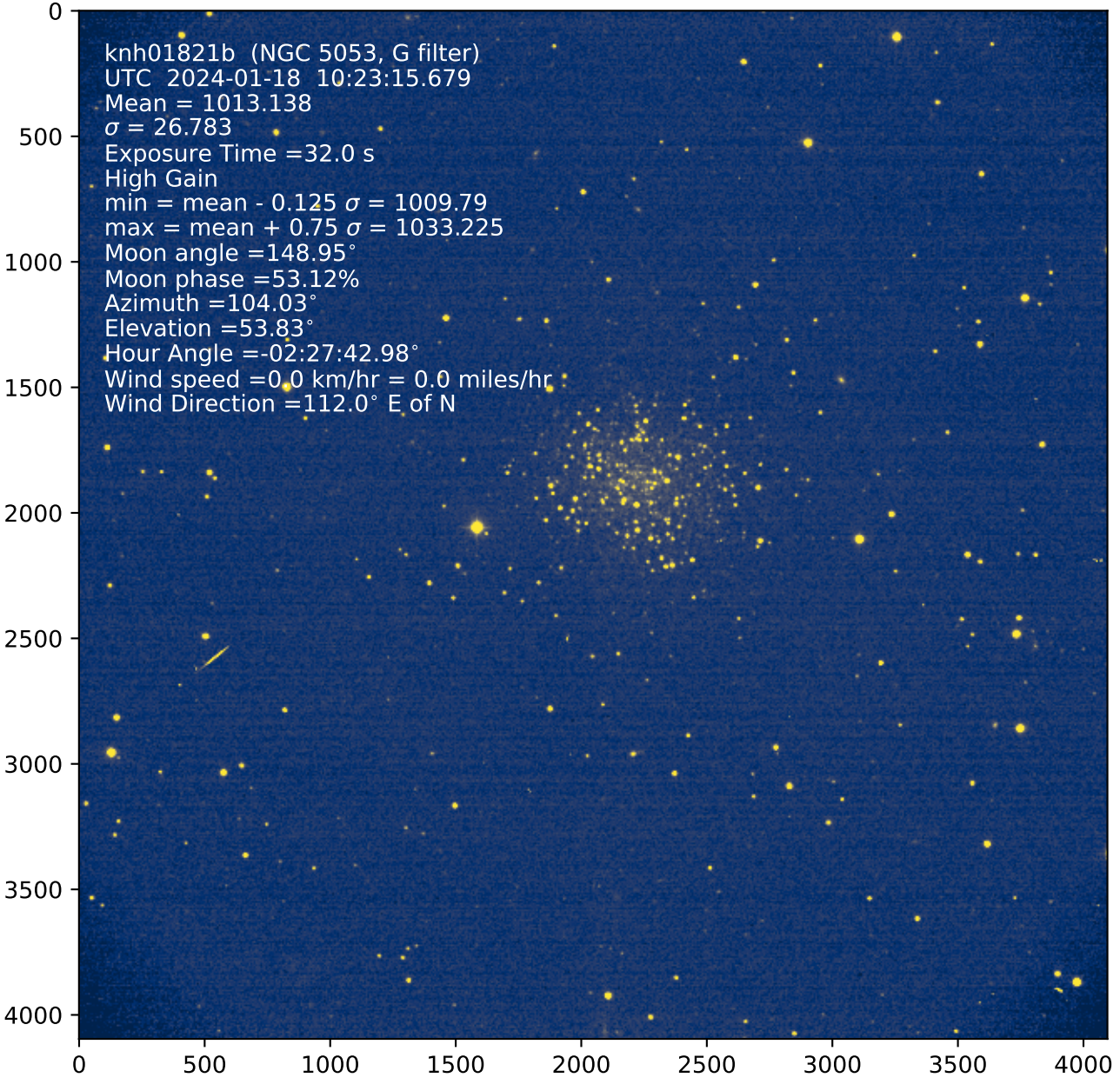

knh018220 (NGC 5053, G filter)
UTC 2024-01-18 10:19:34.719
Mean = 1013.106
σ = 26.479
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.796
max = mean + 0.75 σ = 1032.965
Moon angle =148.98°
Moon phase =53.09%
Azimuth =103.29°
Elevation =53.06°
Hour Angle =-02:31:24.59°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

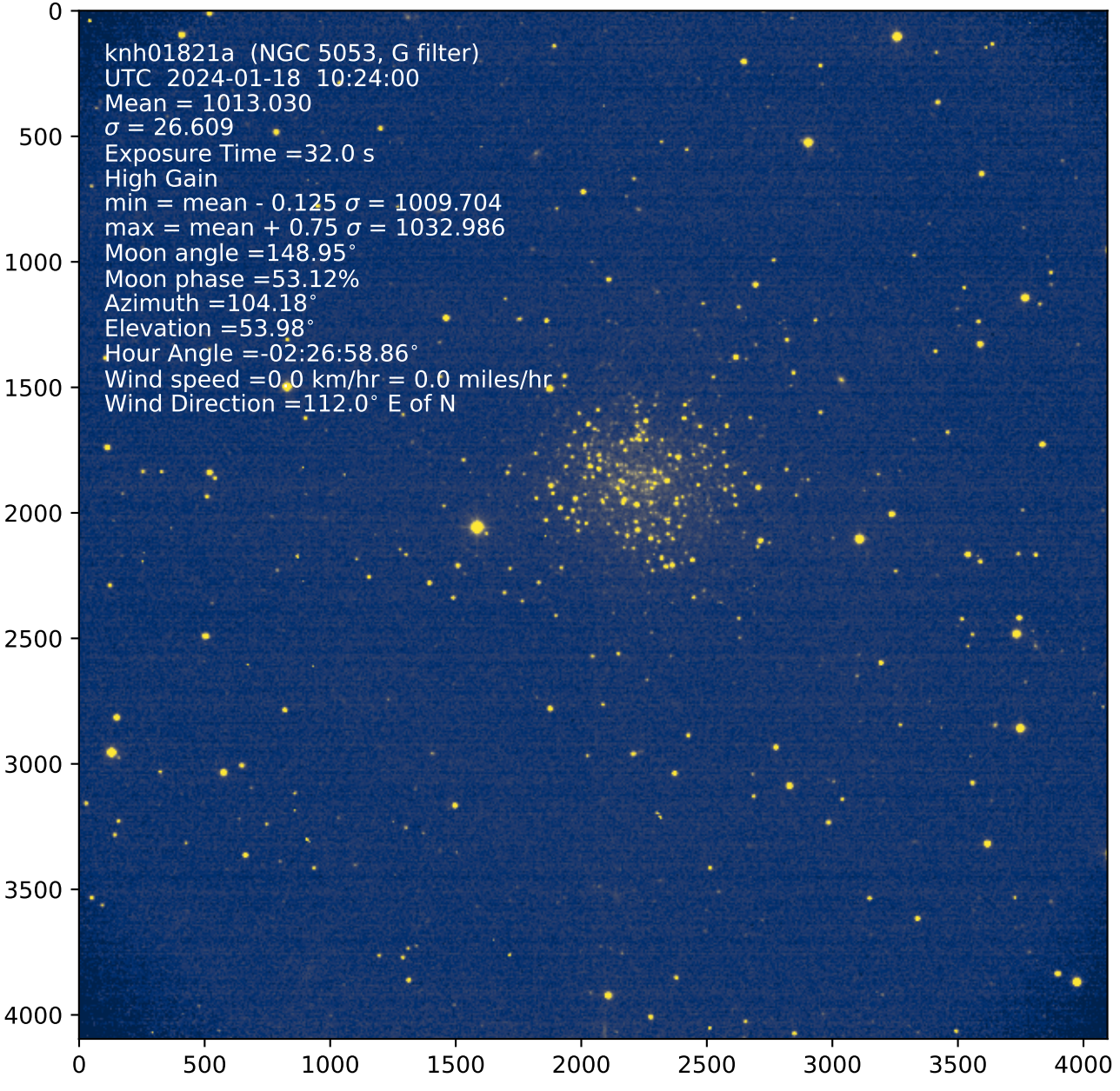

knh01821f (NGC 5053, G filter)
UTC 2024-01-18 10:20:19.399
Mean = 1013.154
σ = 26.532
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.837
max = mean + 0.75 σ = 1033.053
Moon angle =148.97°
Moon phase =53.09%
Azimuth =103.44°
Elevation =53.22°
Hour Angle =-02:30:39.47°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

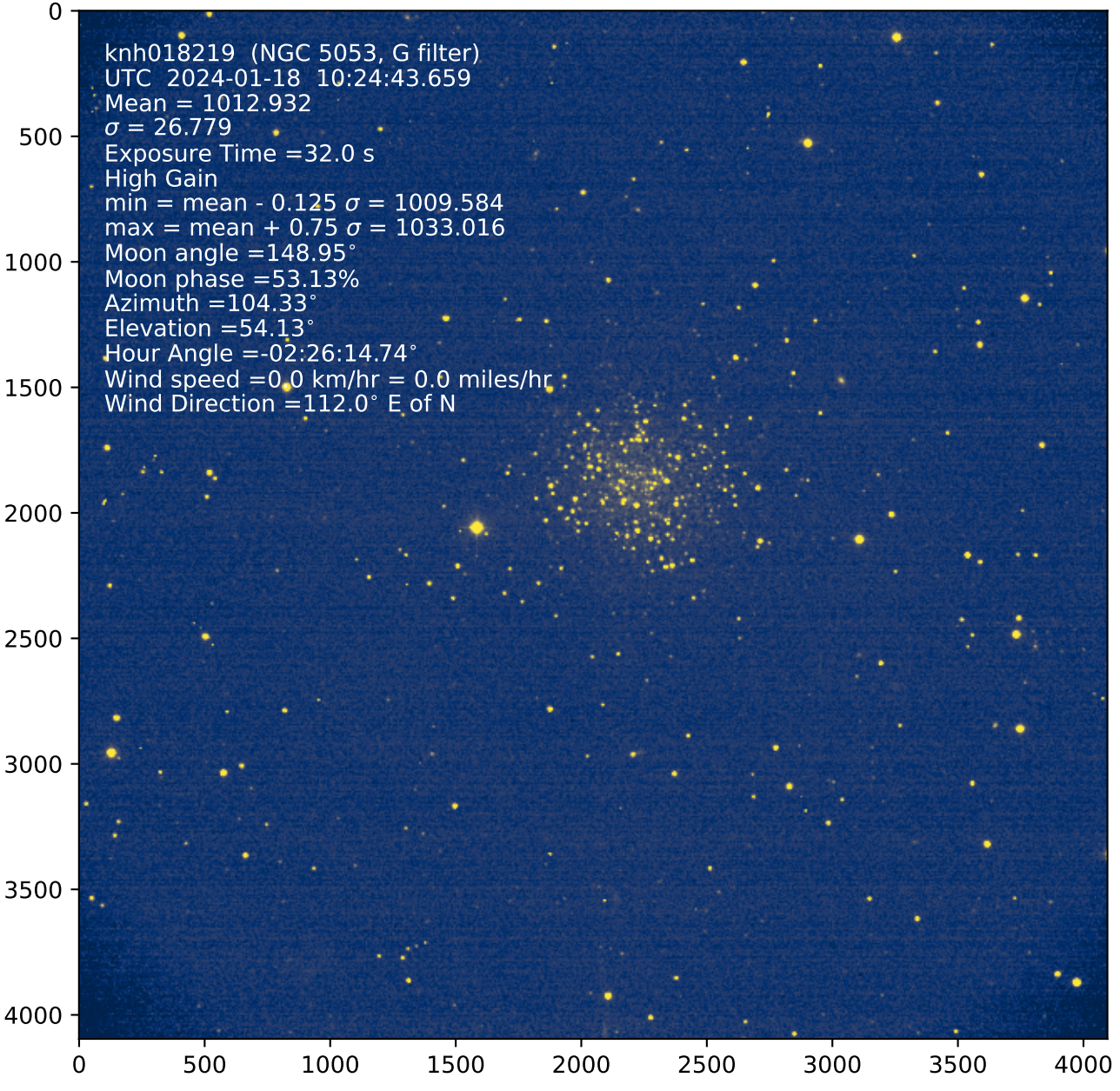

knh01821e (NGC 5053, G filter)
UTC 2024-01-18 10:21:03.180
Mean = 1013.079
σ = 26.590
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.755
max = mean + 0.75 σ = 1033.021
Moon angle =148.97°
Moon phase =53.1%
Azimuth =103.58°
Elevation =53.37°
Hour Angle =-02:29:56.35°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

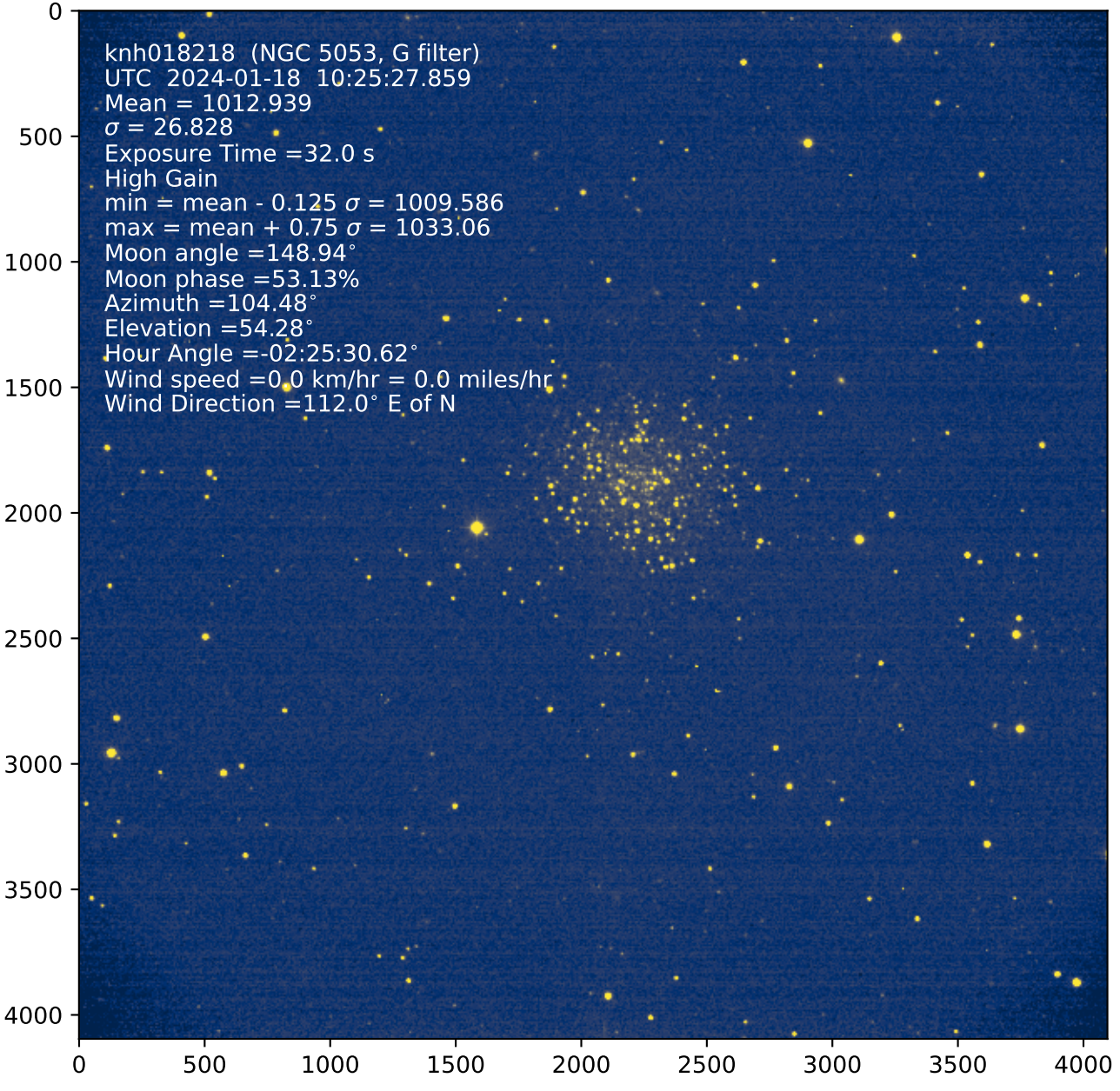

knh01821d (NGC 5053, G filter)
UTC 2024-01-18 10:21:47.700
Mean = 1013.167
σ = 26.653
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.836
max = mean + 0.75 σ = 1033.157
Moon angle =148.96°
Moon phase =53.11%
Azimuth =103.73°
Elevation =53.52°
Hour Angle =-02:29:11.23°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

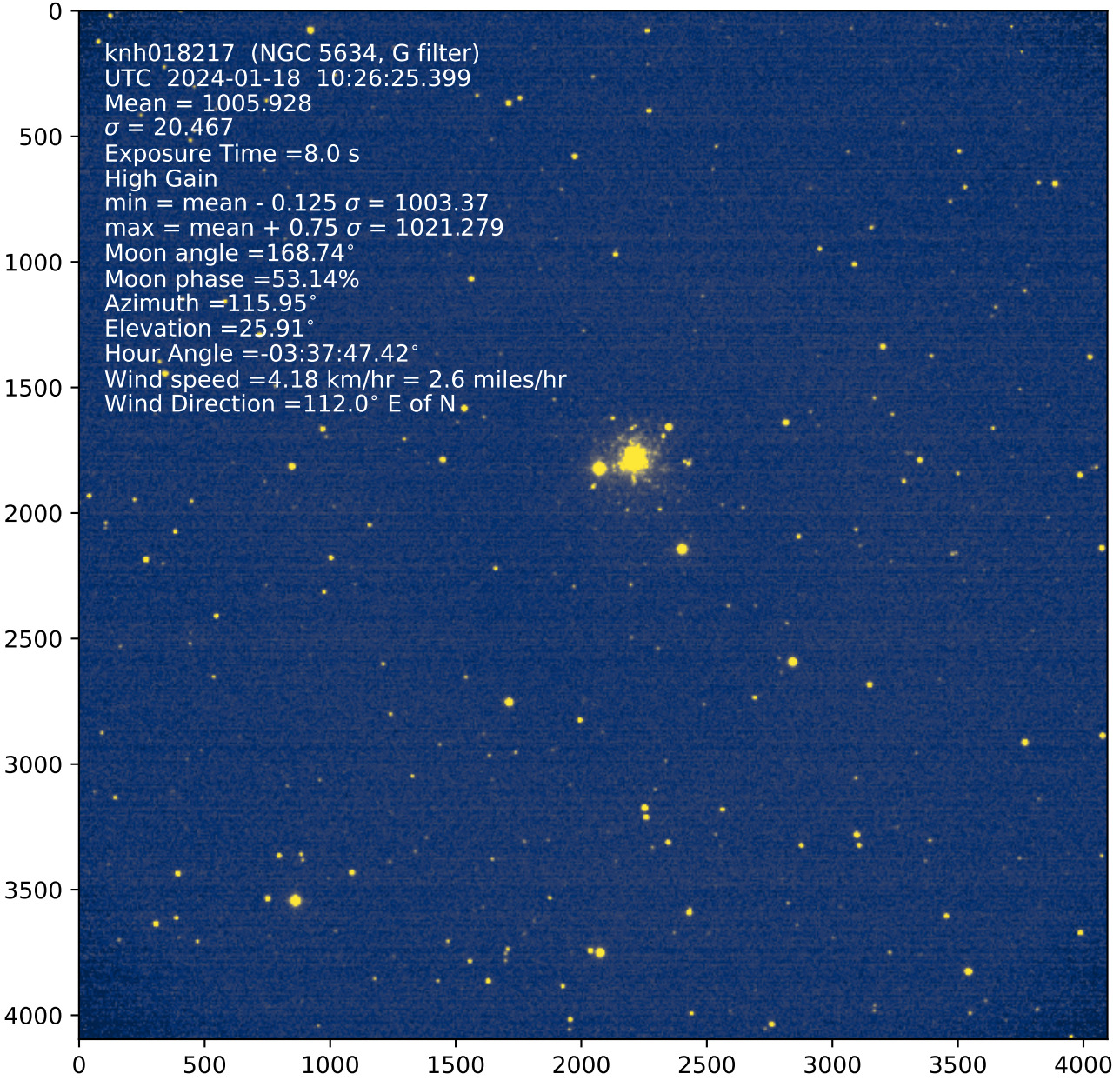

knh01821c (NGC 5053, G filter)
UTC 2024-01-18 10:22:31.320
Mean = 1013.212
σ = 26.731
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.871
max = mean + 0.75 σ = 1033.26
Moon angle =148.96°
Moon phase =53.11%
Azimuth =103.88°
Elevation =53.67°
Hour Angle =-02:28:27.10°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

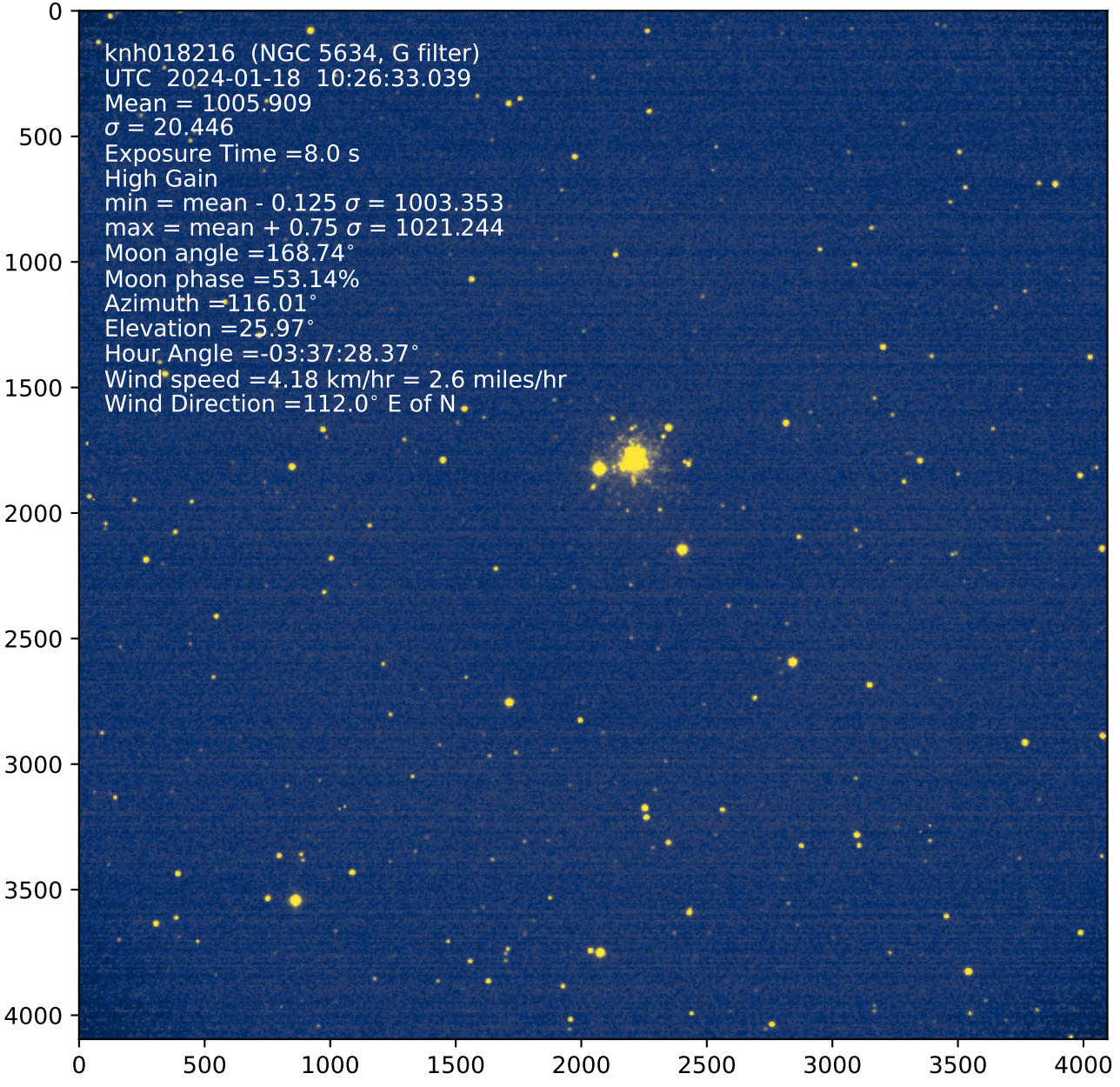

knh01821b (NGC 5053, G filter)
UTC 2024-01-18 10:23:15.679
Mean = 1013.138
σ = 26.783
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.79
max = mean + 0.75 σ = 1033.225
Moon angle =148.95°
Moon phase =53.12%
Azimuth =104.03°
Elevation =53.83°
Hour Angle =-02:27:42.98°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

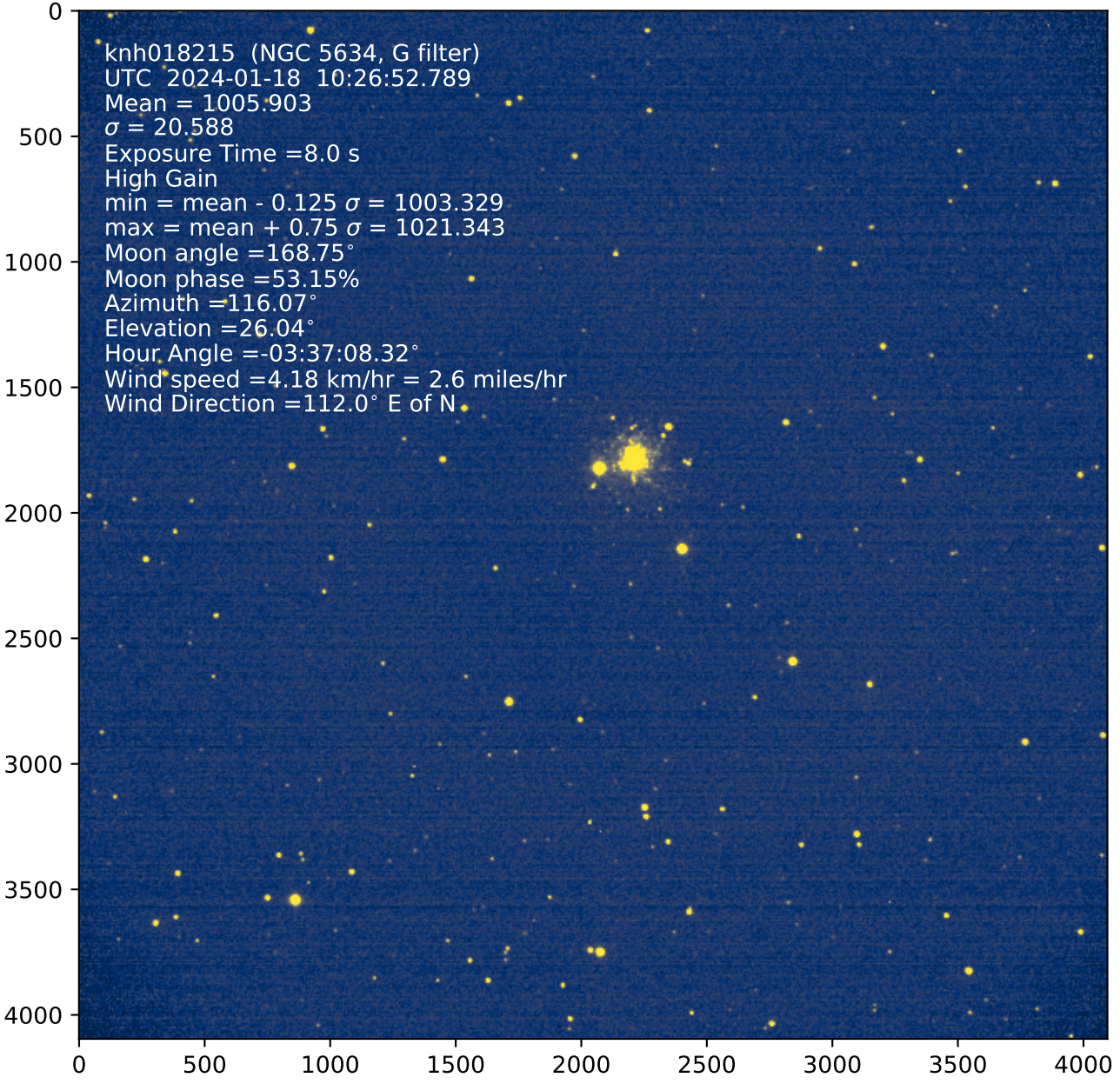

knh01821a (NGC 5053, G filter)
UTC 2024-01-18 10:24:00
Mean = 1013.030
σ = 26.609
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.704
max = mean + 0.75 σ = 1032.986
Moon angle =148.95°
Moon phase =53.12%
Azimuth =104.18°
Elevation =53.98°
Hour Angle =-02:26:58.86°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

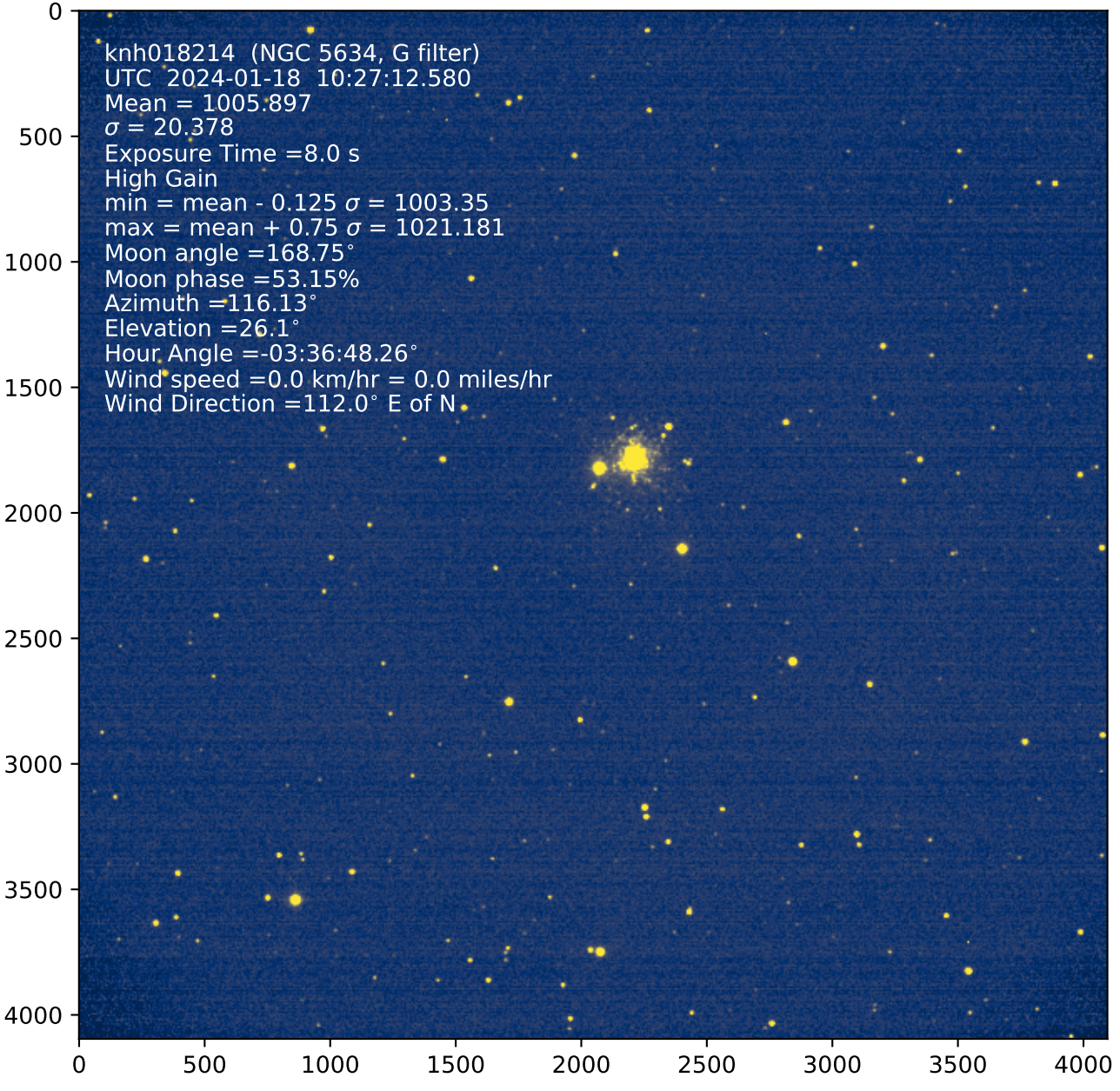

knh018219 (NGC 5053, G filter)
UTC 2024-01-18 10:24:43.659
Mean = 1012.932
σ = 26.779
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.584
max = mean + 0.75 σ = 1033.016
Moon angle =148.95°
Moon phase =53.13%
Azimuth =104.33°
Elevation =54.13°
Hour Angle =-02:26:14.74°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

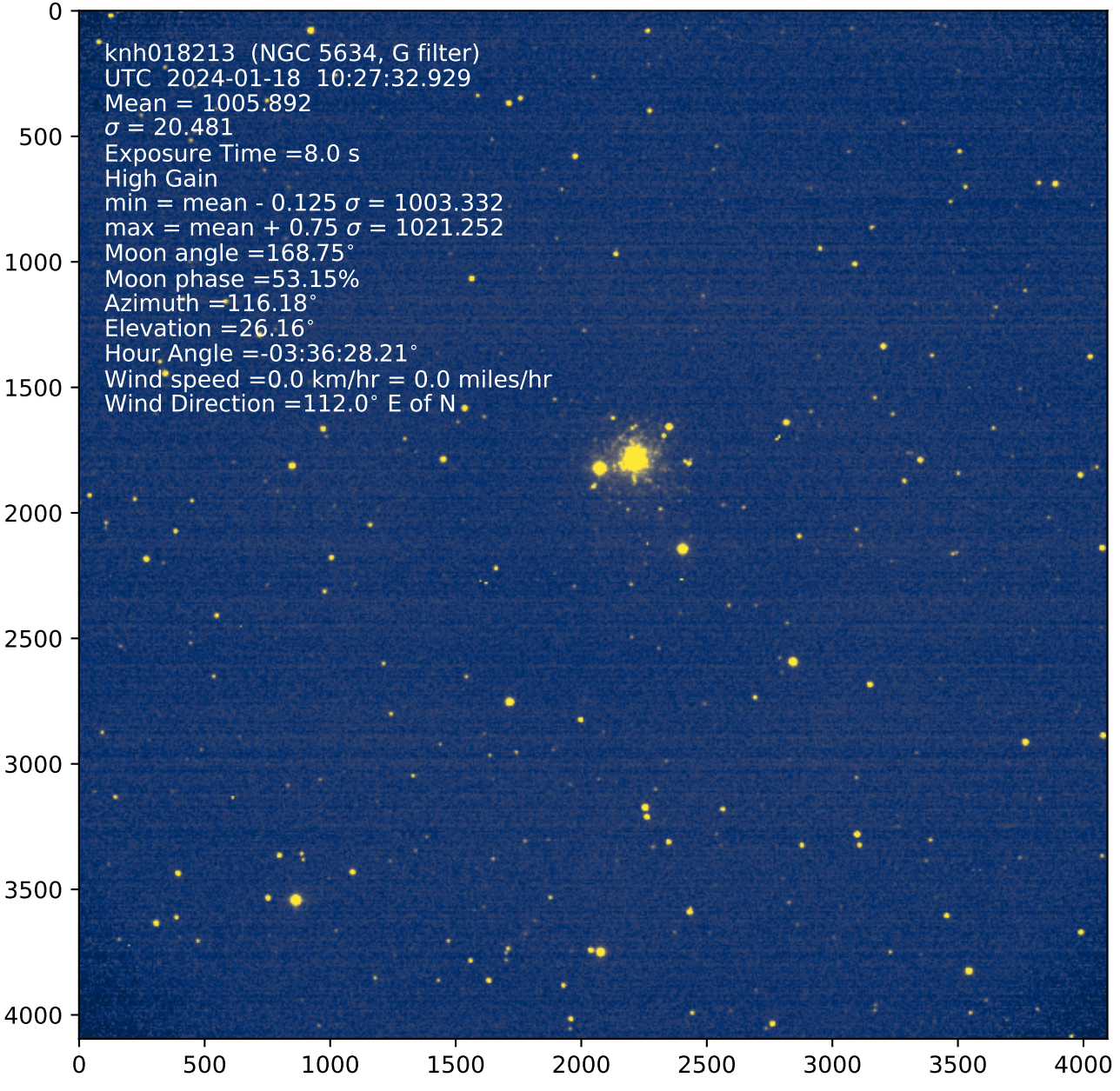

knh018218 (NGC 5053, G filter)
UTC 2024-01-18 10:25:27.859
Mean = 1012.939
σ = 26.828
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.586
max = mean + 0.75 σ = 1033.06
Moon angle =148.94°
Moon phase =53.13%
Azimuth =104.48°
Elevation =54.28°
Hour Angle =-02:25:30.62°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018217 (NGC 5634, G filter)
UTC 2024-01-18 10:26:25.399
Mean = 1005.928
σ = 20.467
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.37
max = mean + 0.75 σ = 1021.279
Moon angle =168.74°
Moon phase =53.14%
Azimuth =115.95°
Elevation =25.91°
Hour Angle =-03:37:47.42°
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


knh018216 (NGC 5634, G filter)
UTC 2024-01-18 10:26:33.039
Mean = 1005.909
σ = 20.446
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.353
max = mean + 0.75 σ = 1021.244
Moon angle =168.74°
Moon phase =53.14%
Azimuth =116.01°
Elevation =25.97°
Hour Angle =-03:37:28.37°
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


knh018215 (NGC 5634, G filter)
UTC 2024-01-18 10:26:52.789
Mean = 1005.903
σ = 20.588
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.329
max = mean + 0.75 σ = 1021.343
Moon angle =168.75°
Moon phase =53.15%
Azimuth =116.07°
Elevation =26.04°
Hour Angle =-03:37:08.32°
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


knh018214 (NGC 5634, G filter)
UTC 2024-01-18 10:27:12.580
Mean = 1005.897
σ = 20.378
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.35
max = mean + 0.75 σ = 1021.181
Moon angle =168.75˚
Moon phase =53.15%
Azimuth =116.13˚
Elevation =26.1˚
Hour Angle =-03:36:48.26˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018213 (NGC 5634, G filter)
UTC 2024-01-18 10:27:32.929
Mean = 1005.892
σ = 20.481
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.332
max = mean + 0.75 σ = 1021.252
Moon angle =168.75°
Moon phase =53.15%
Azimuth =116.18°
Elevation =26.16°
Hour Angle =-03:36:28.21°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
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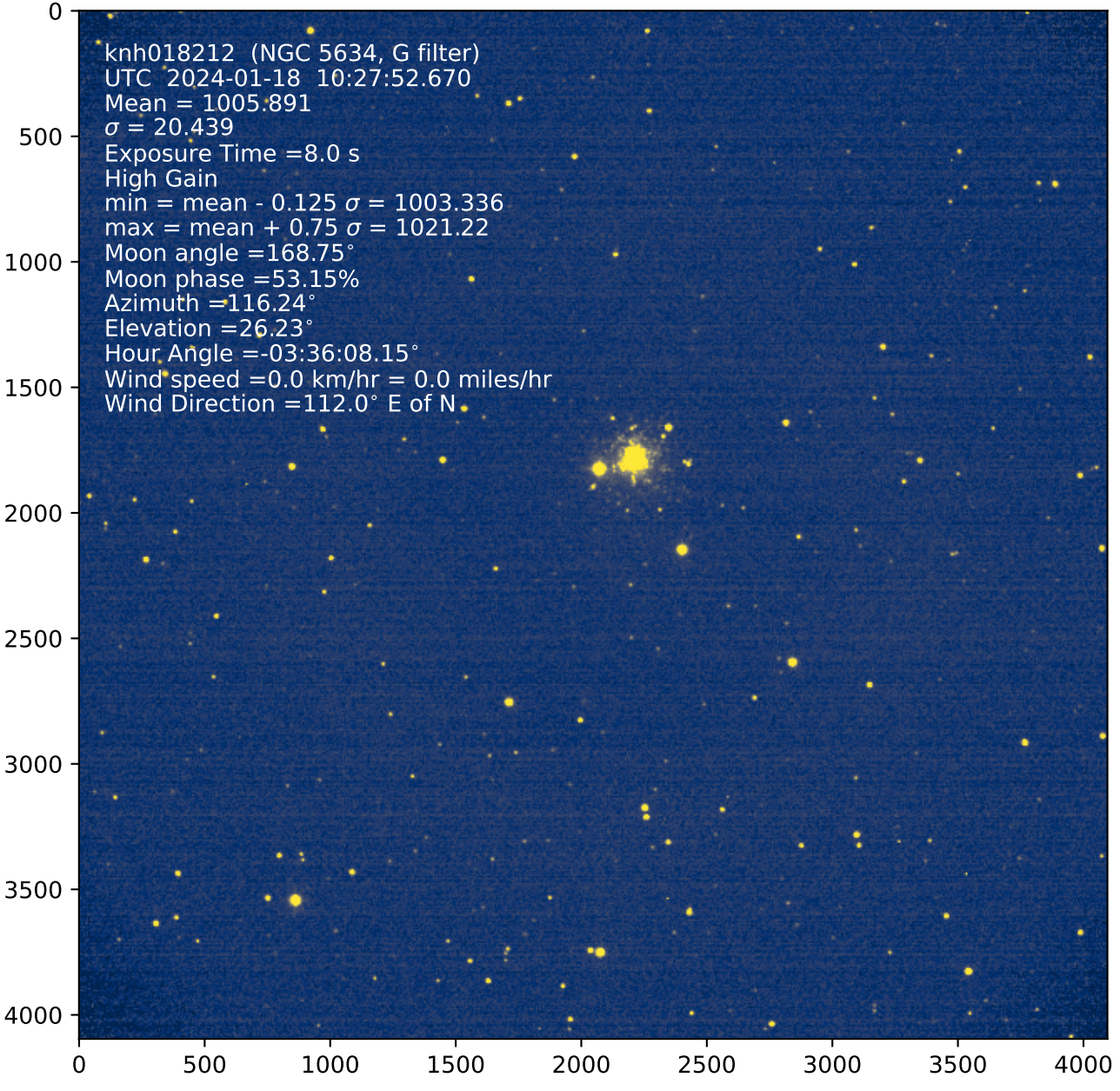
2000
2500
3000
3500
4000


knh018212 (NGC 5634, G filter)
UTC 2024-01-18 10:27:52.670
Mean = 1005.891
σ = 20.439
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.336
max = mean + 0.75 σ = 1021.22
Moon angle =168.75°
Moon phase =53.15%
Azimuth =116.24°
Elevation =26.23°
Hour Angle =-03:36:08.15°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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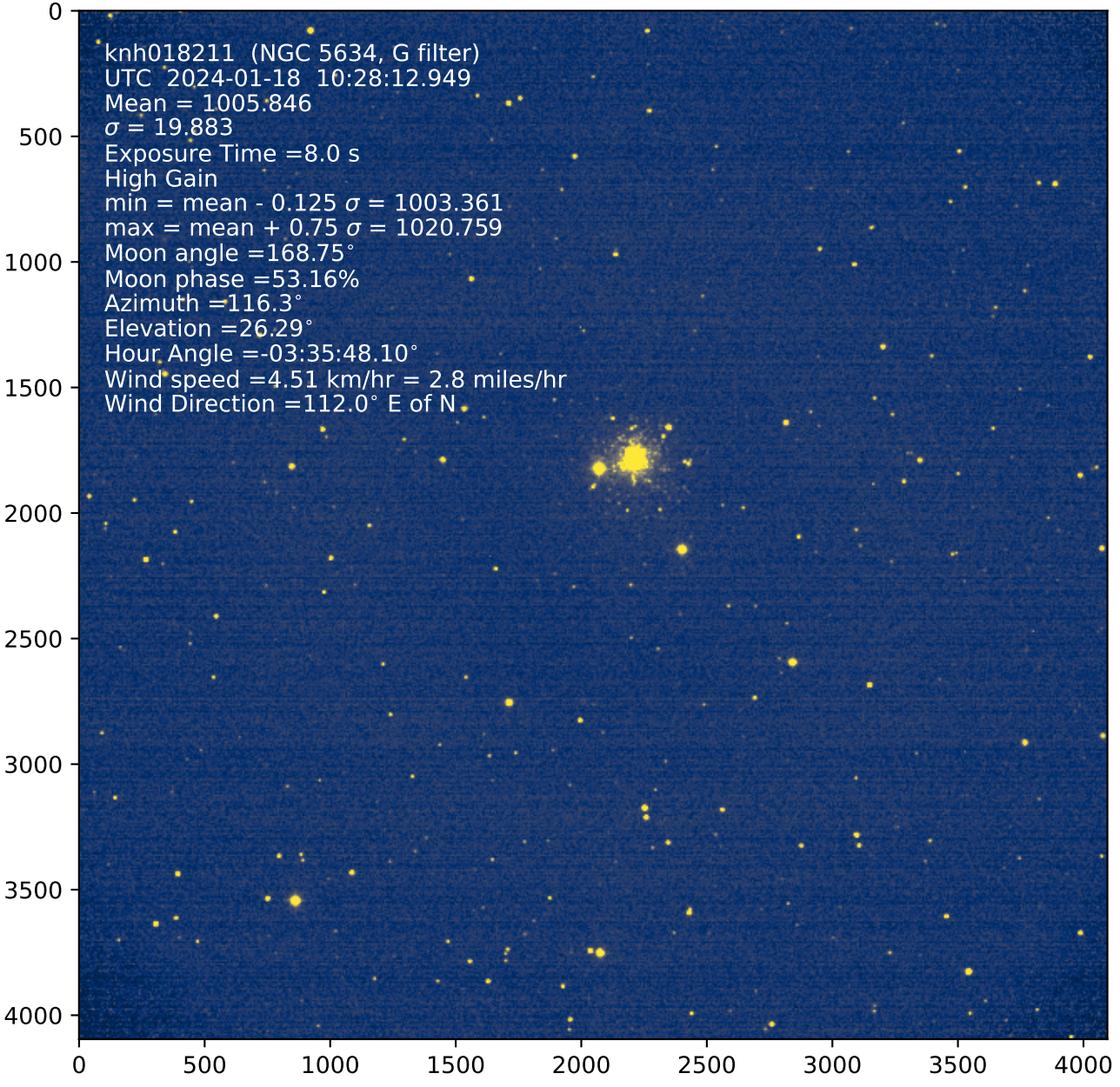
2000
2500
3000
3500
4000


knh018211 (NGC 5634, G filter)
UTC 2024-01-18 10:28:12.949
Mean = 1005.846
σ = 19.883
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.361
max = mean + 0.75 σ = 1020.759
Moon angle =168.75˚
Moon phase =53.16%
Azimuth =116.3˚
Elevation =26.29˚
Hour Angle =-03:35:48.10˚
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =112.0˚ E of N
0
500
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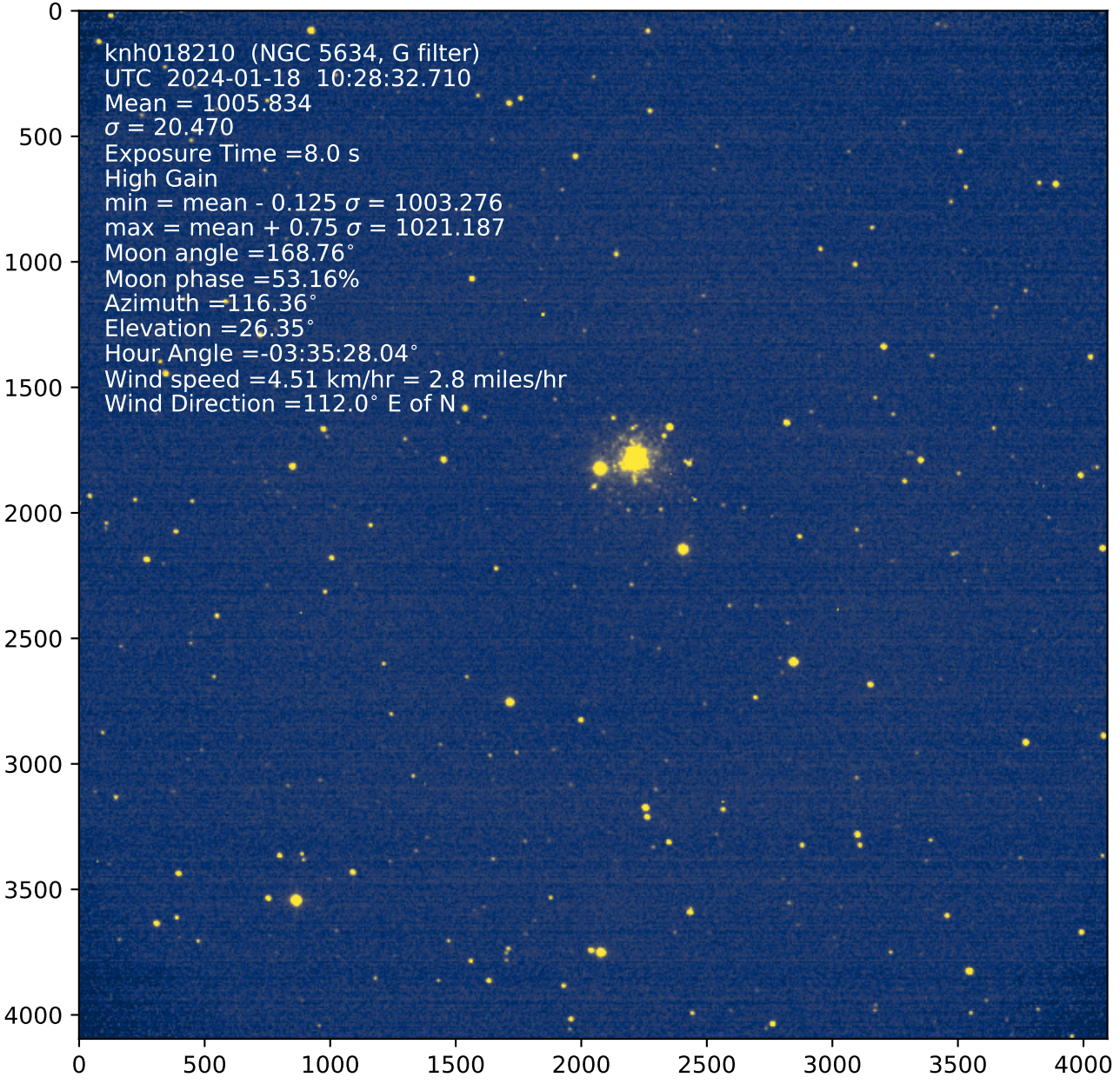
2500
3000
3500
4000


knh018210 (NGC 5634, G filter)
UTC 2024-01-18 10:28:32.710
Mean = 1005.834
σ = 20.470
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.276
max = mean + 0.75 σ = 1021.187
Moon angle =168.76°
Moon phase =53.16%
Azimuth =116.36°
Elevation =26.35°
Hour Angle =-03:35:28.04°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =112.0° E of N
0
500
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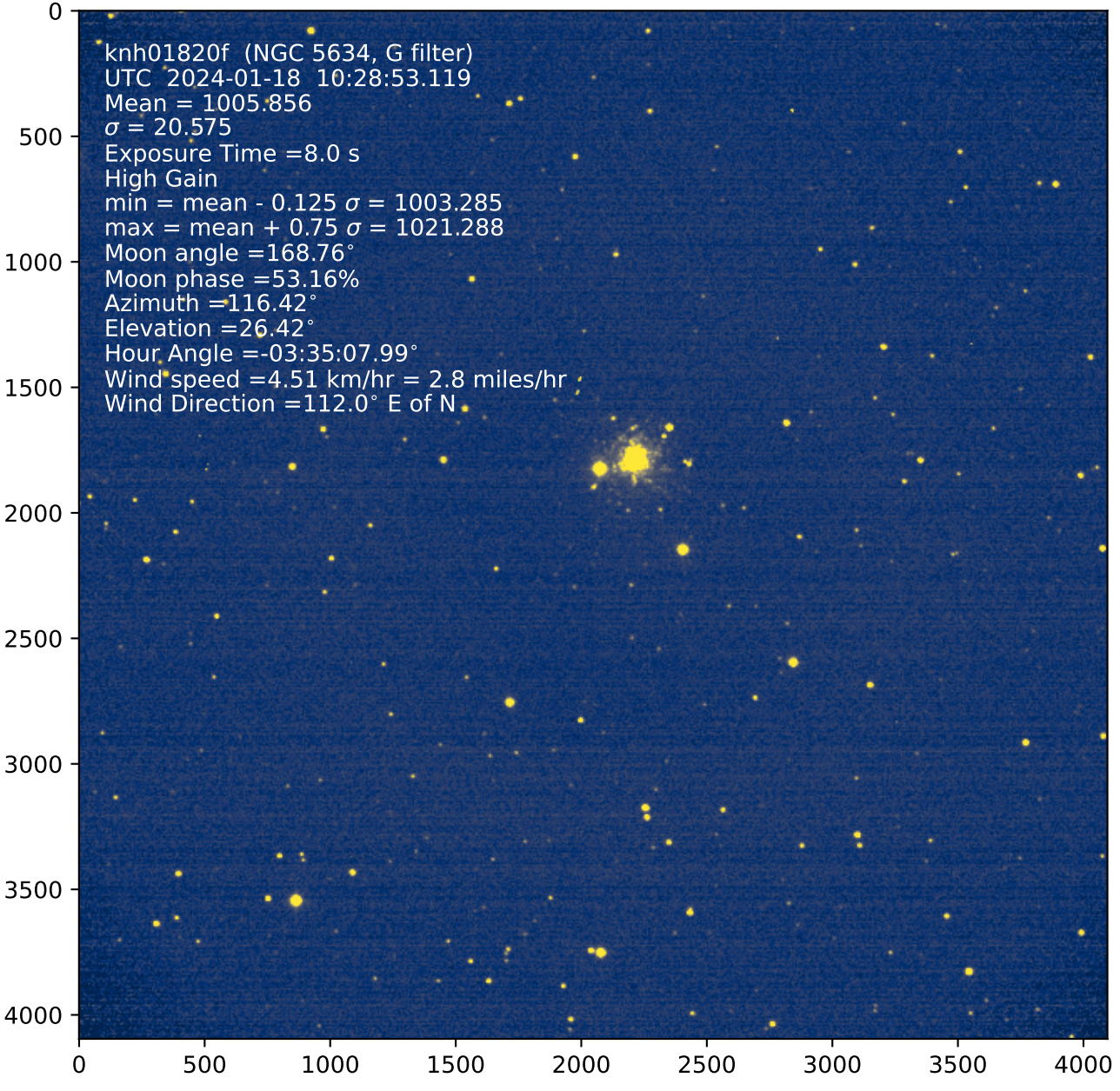
2000
2500
3000
3500
4000


knh01820f (NGC 5634, G filter)
UTC 2024-01-18 10:28:53.119
Mean = 1005.856
σ = 20.575
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.285
max = mean + 0.75 σ = 1021.288
Moon angle =168.76°
Moon phase =53.16%
Azimuth =116.42°
Elevation =26.42°
Hour Angle =-03:35:07.99°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =112.0° E of N
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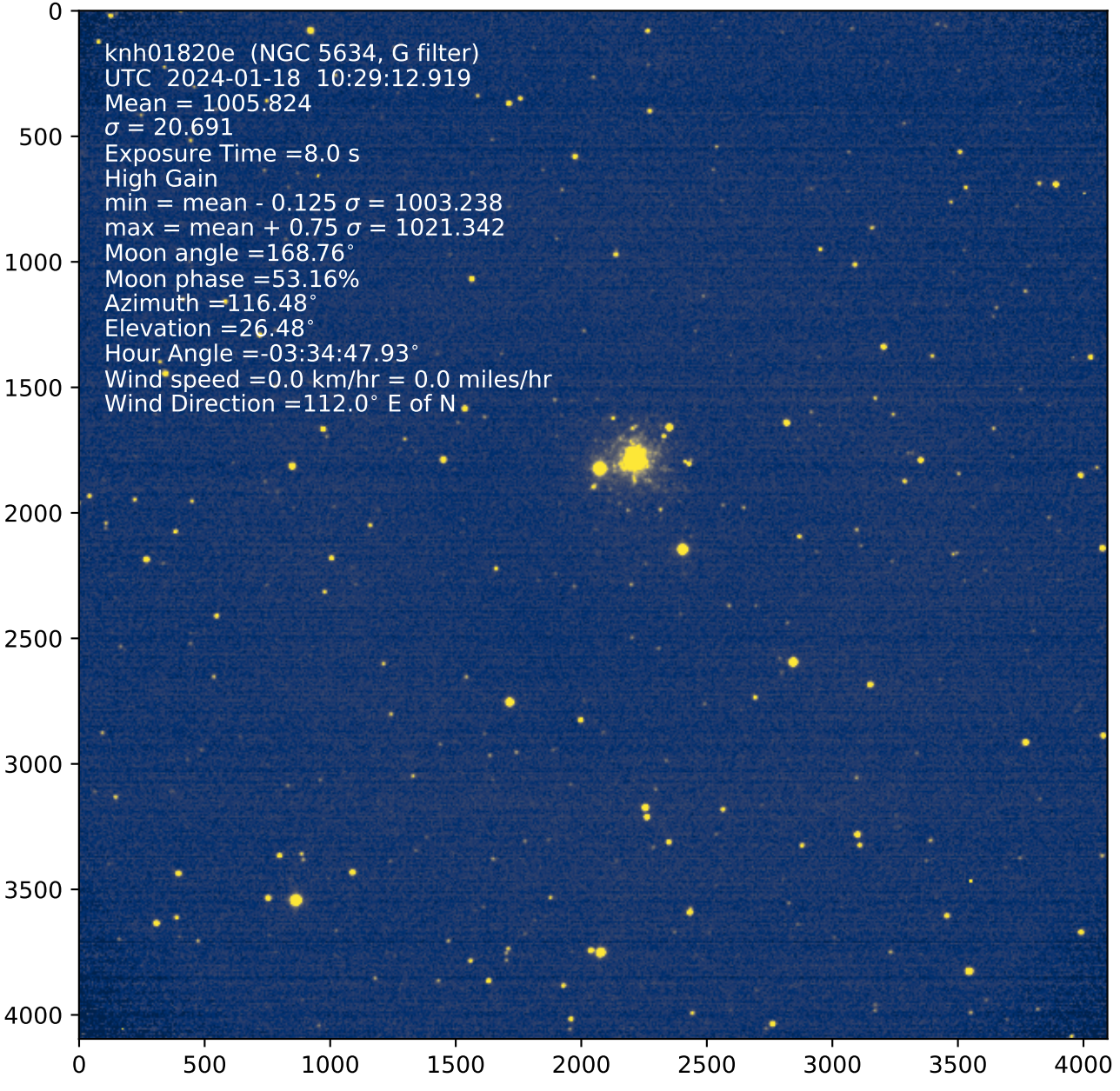
2500
3000
3500
4000


knh01820e (NGC 5634, G filter)
UTC 2024-01-18 10:29:12.919
Mean = 1005.824
σ = 20.691
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.238
max = mean + 0.75 σ = 1021.342
Moon angle =168.76°
Moon phase =53.16%
Azimuth =116.48°
Elevation =26.48°
Hour Angle =-03:34:47.93°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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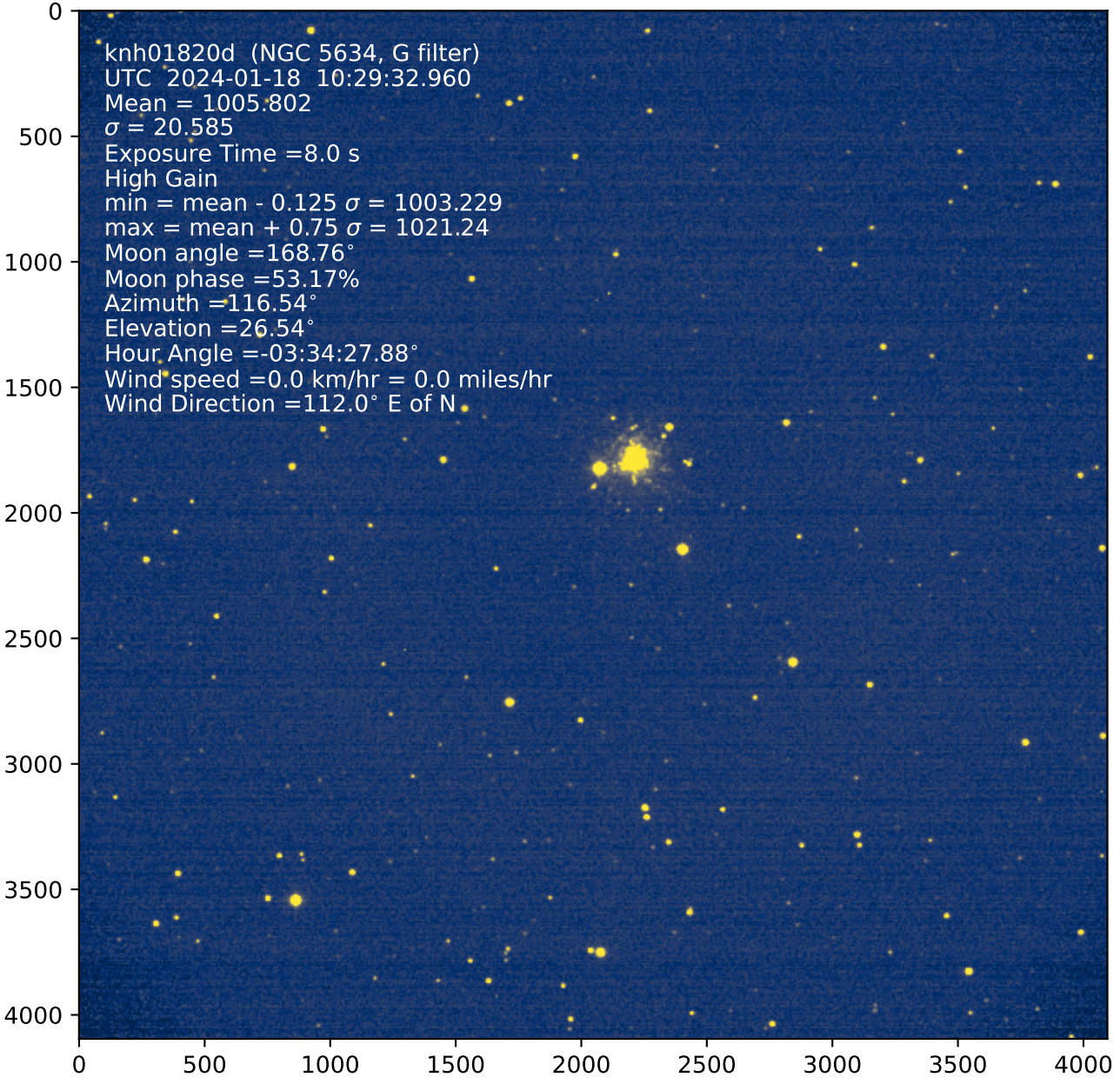
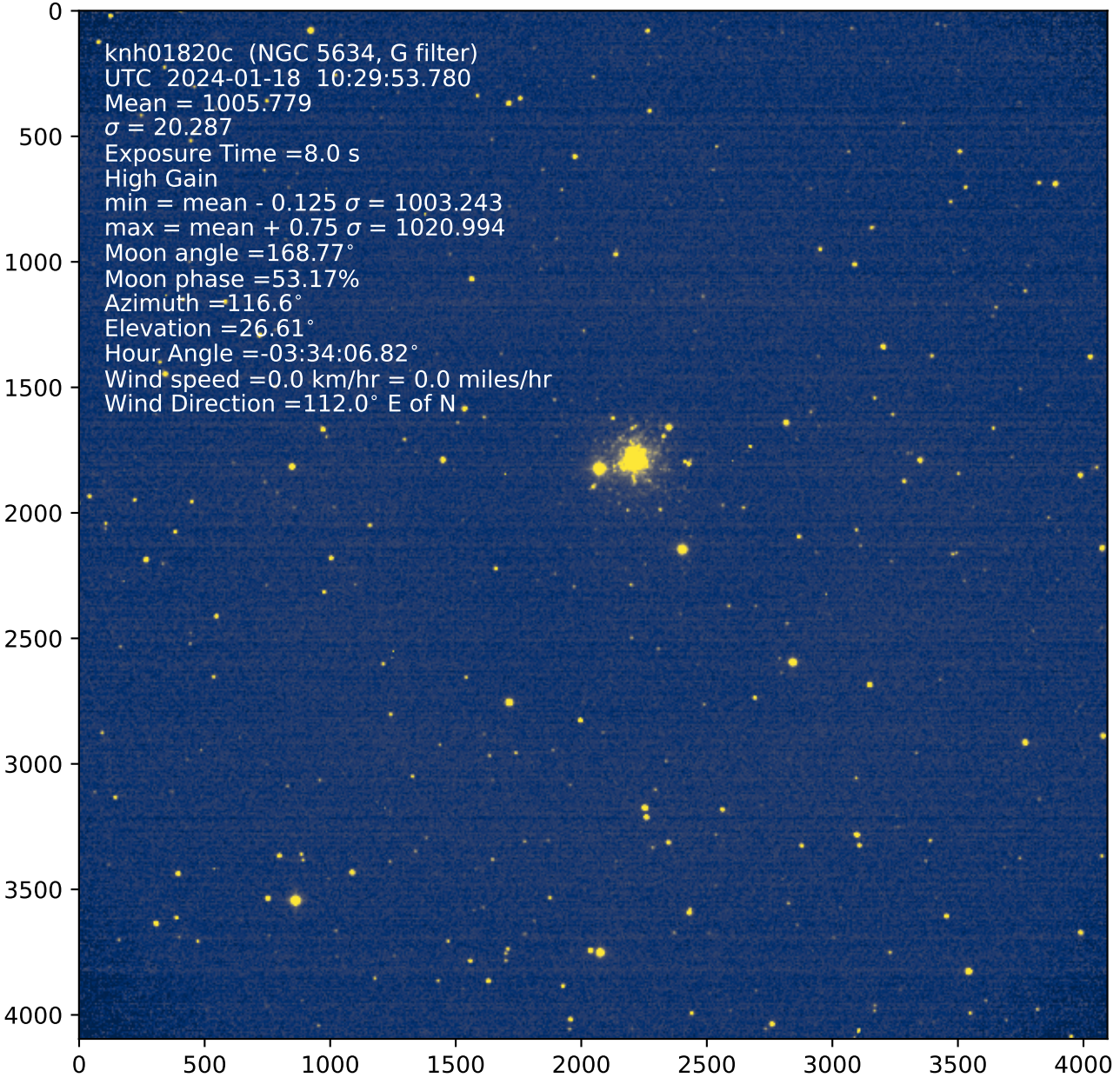
2500
3000
3500
4000


knh01820d (NGC 5634, G filter)
UTC 2024-01-18 10:29:32.960
Mean = 1005.802
σ = 20.585
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.229
max = mean + 0.75 σ = 1021.24
Moon angle =168.76°
Moon phase =53.17%
Azimuth =116.54°
Elevation =26.54°
Hour Angle =-03:34:27.88°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01820c (NGC 5634, G filter)
UTC 2024-01-18 10:29:53.780
Mean = 1005.779
σ = 20.287
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.243
max = mean + 0.75 σ = 1020.994
Moon angle =168.77°
Moon phase =53.17%
Azimuth =116.6°
Elevation =26.61°
Hour Angle =-03:34:06.82°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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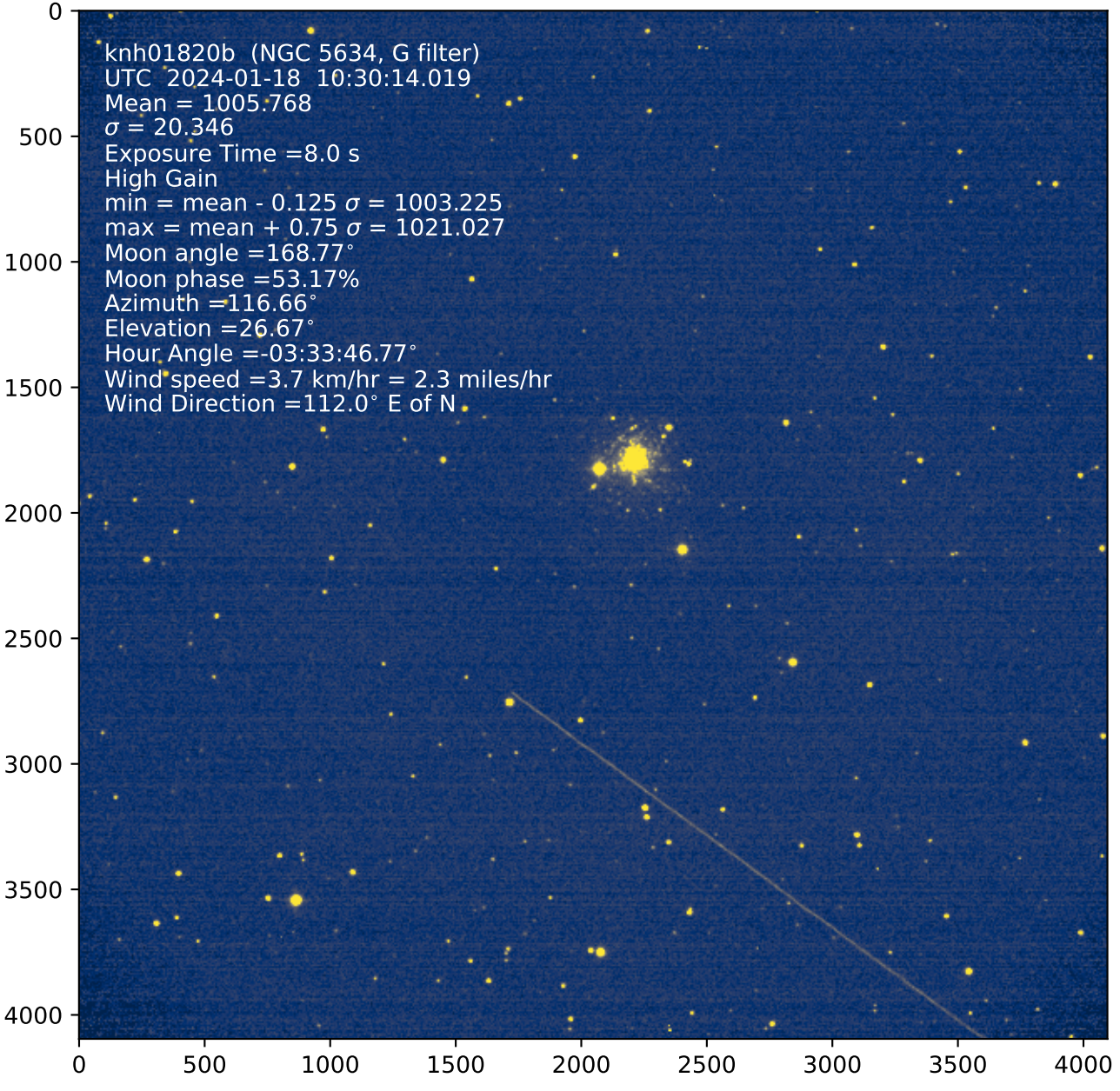
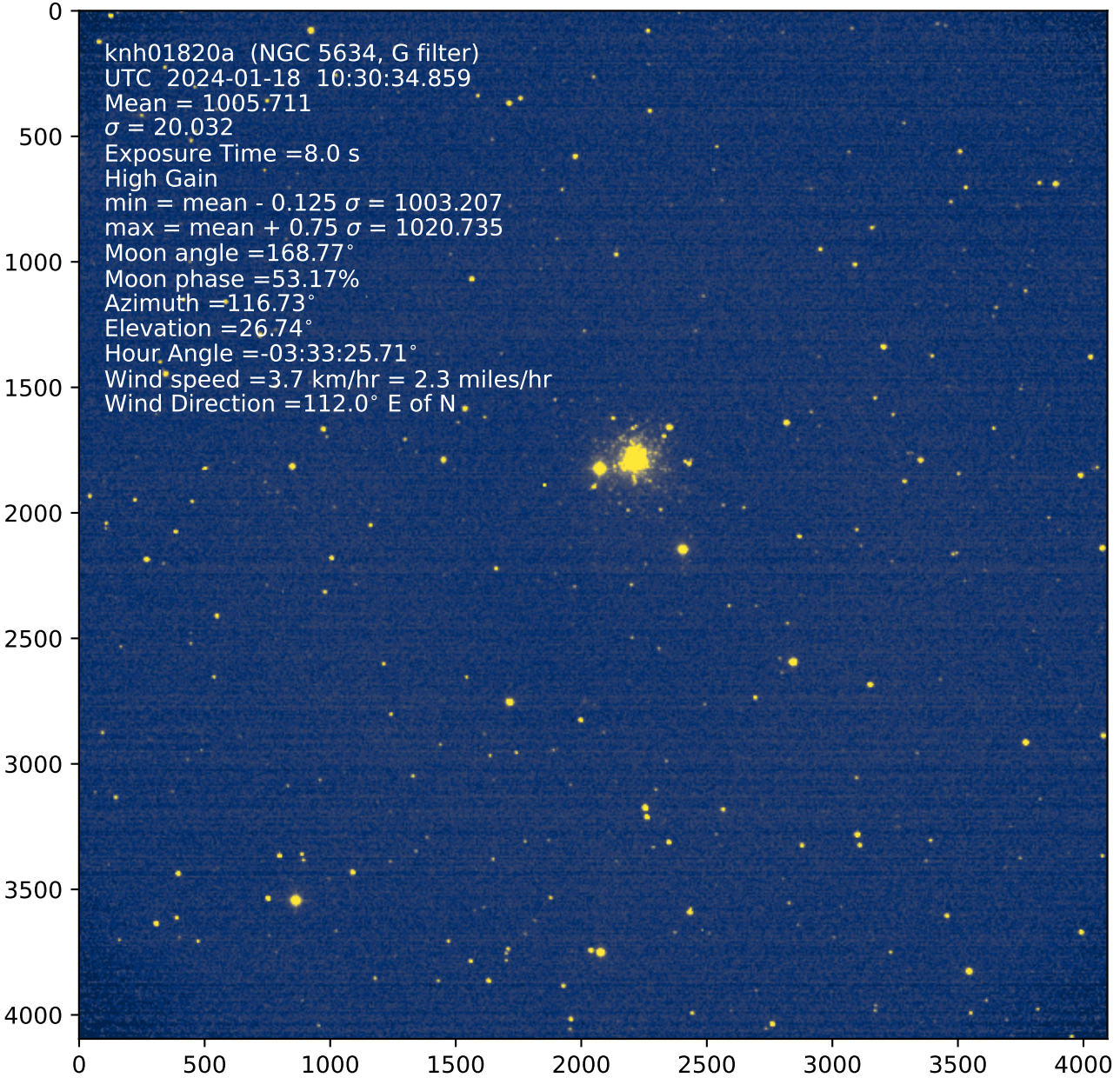
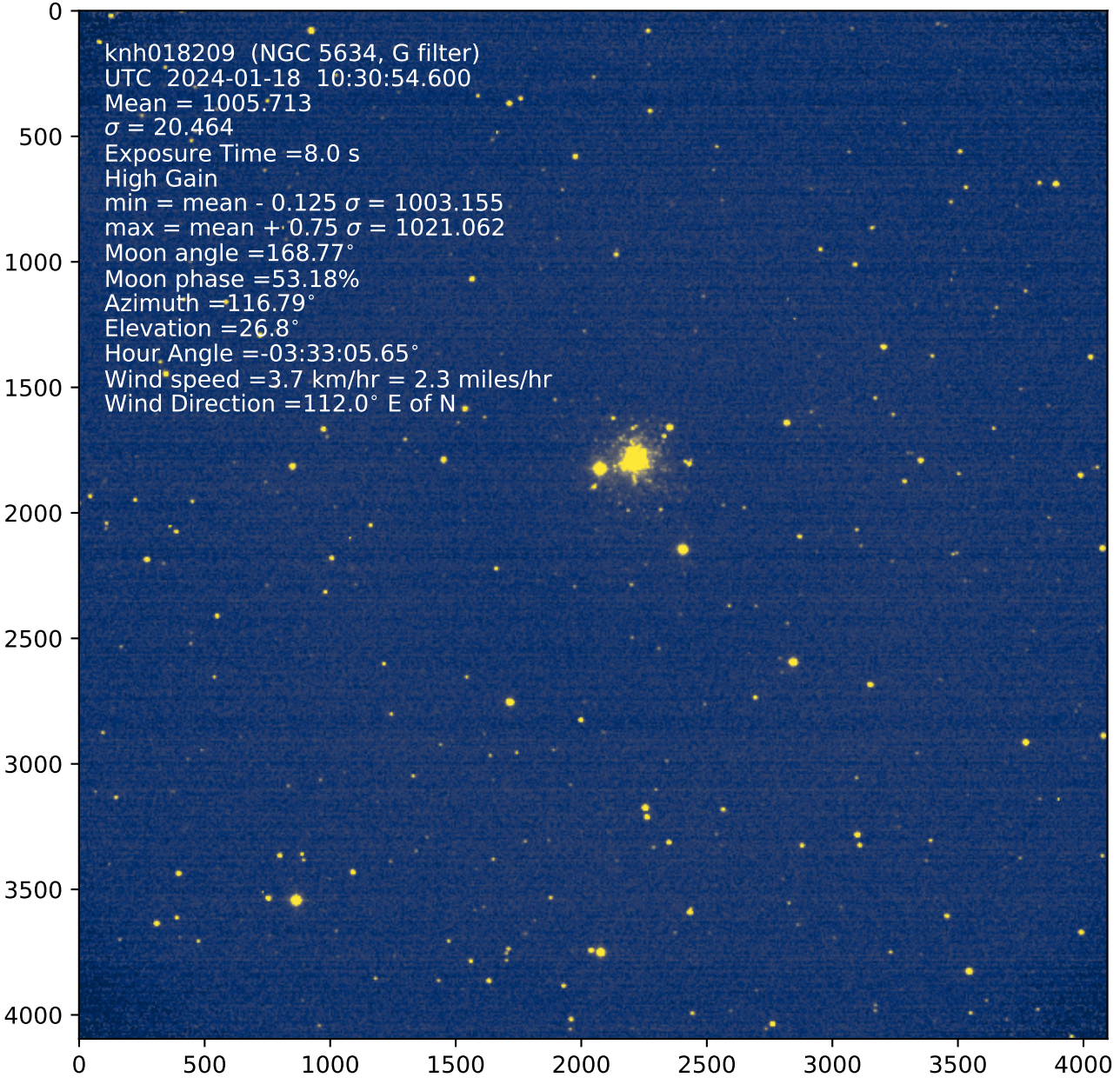
1500
2000
2500
3000
3500
4000


knh01820b (NGC 5634, G filter)
UTC 2024-01-18 10:30:14.019
Mean = 1005.768
σ = 20.346
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.225
max = mean + 0.75 σ = 1021.027
Moon angle =168.77°
Moon phase =53.17%
Azimuth =116.66°
Elevation =26.67°
Hour Angle =-03:33:46.77°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01820a (NGC 5634, G filter)
UTC 2024-01-18 10:30:34.859
Mean = 1005.711
σ = 20.032
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.207
max = mean + 0.75 σ = 1020.735
Moon angle =168.77°
Moon phase =53.17%
Azimuth =116.73°
Elevation =26.74°
Hour Angle =-03:33:25.71°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018209 (NGC 5634, G filter)
UTC 2024-01-18 10:30:54.600
Mean = 1005.713
σ = 20.464
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.155
max = mean + 0.75 σ = 1021.062
Moon angle =168.77°
Moon phase =53.18%
Azimuth =116.79°
Elevation =26.8°
Hour Angle =-03:33:05.65°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =112.0° E of N
0
500
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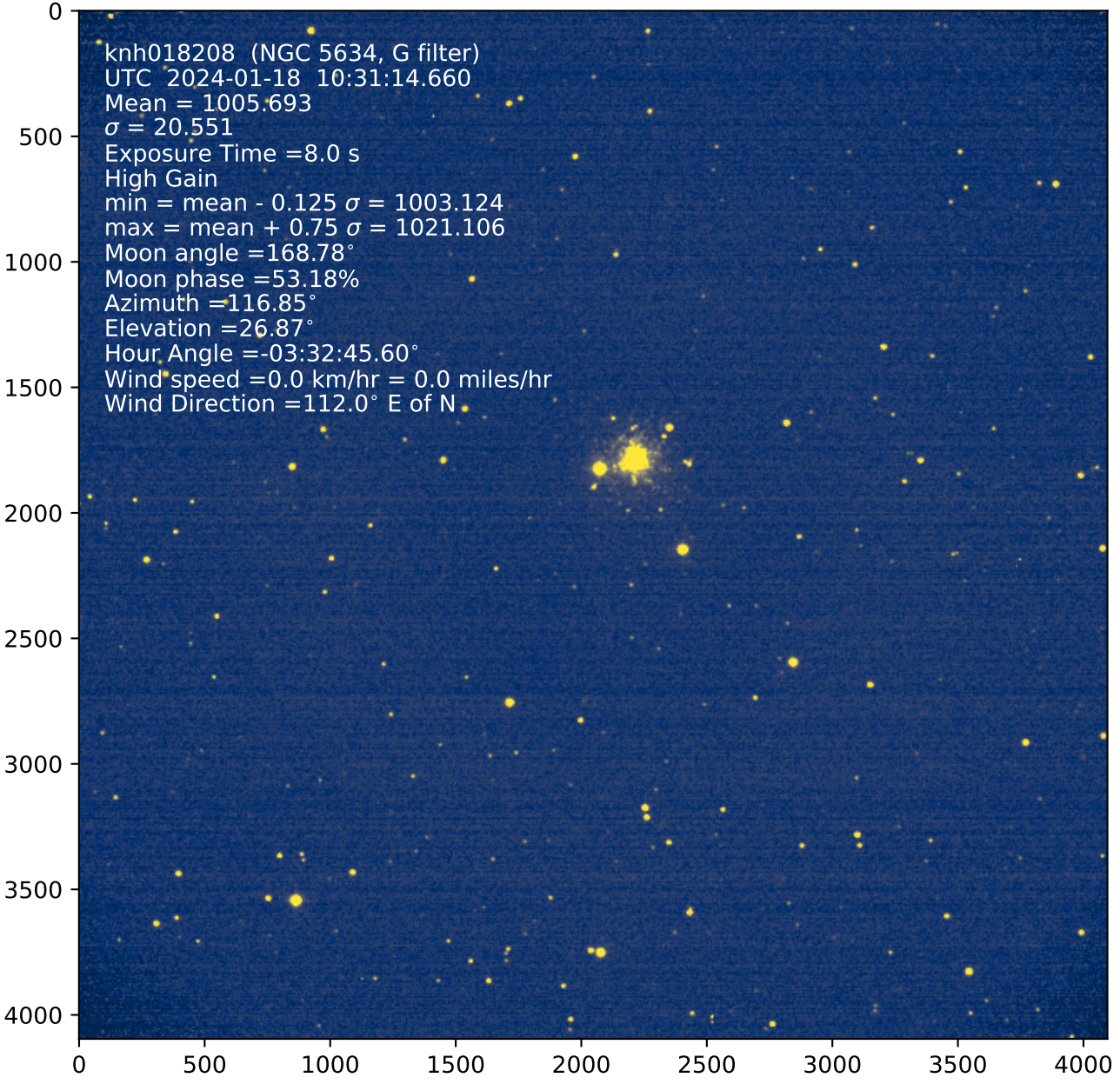
2000
2500
3000
3500
4000


knh018208 (NGC 5634, G filter)
UTC 2024-01-18 10:31:14.660
Mean = 1005.693
σ = 20.551
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.124
max = mean + 0.75 σ = 1021.106
Moon angle =168.78°
Moon phase =53.18%
Azimuth =116.85°
Elevation =26.87°
Hour Angle =-03:32:45.60°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
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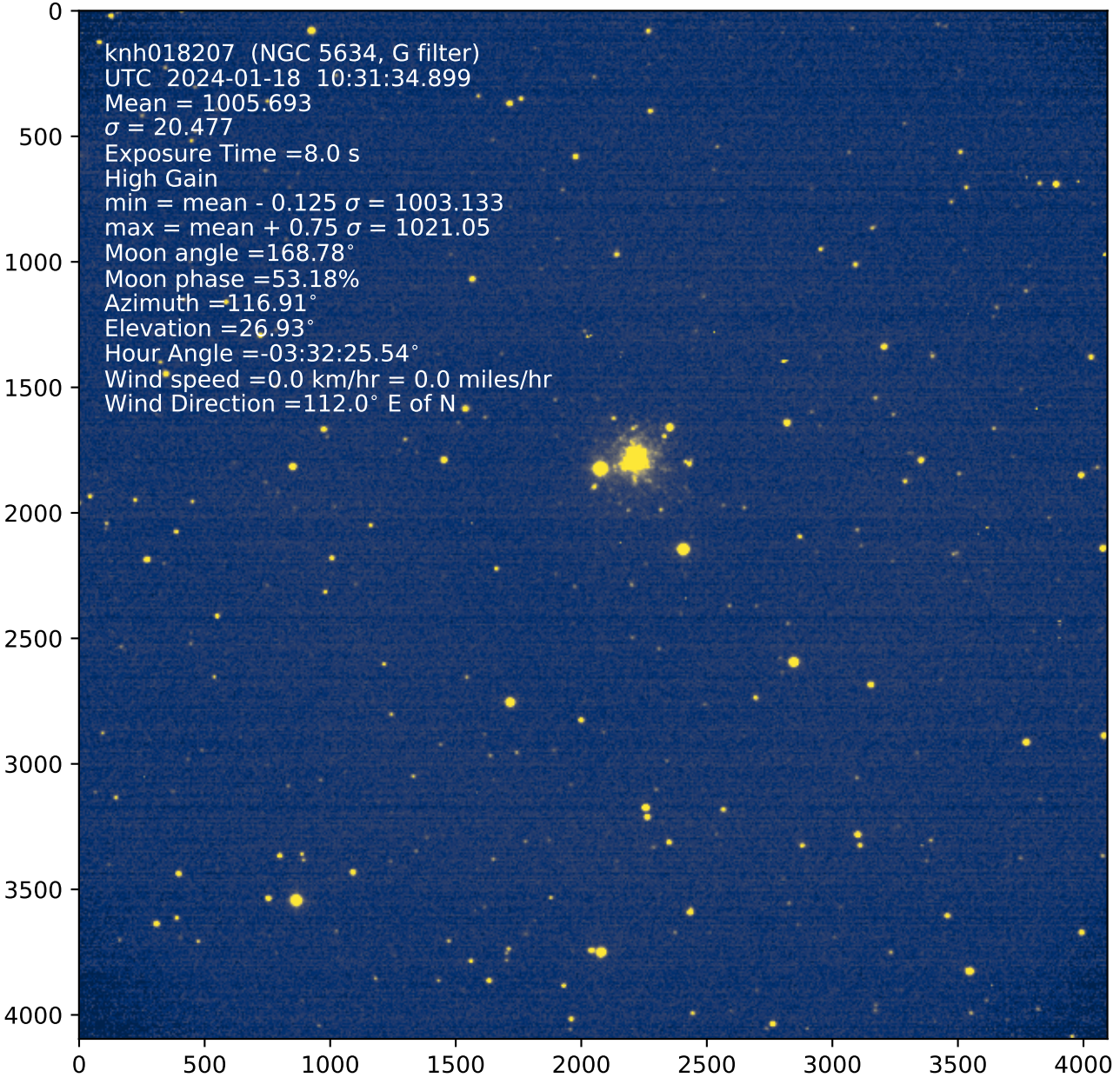
2000
2500
3000
3500
4000


knh018207 (NGC 5634, G filter)
UTC 2024-01-18 10:31:34.899
Mean = 1005.693
σ = 20.477
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.133
max = mean + 0.75 σ = 1021.05
Moon angle =168.78°
Moon phase =53.18%
Azimuth =116.91°
Elevation =26.93°
Hour Angle =-03:32:25.54°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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1000
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2000
2500
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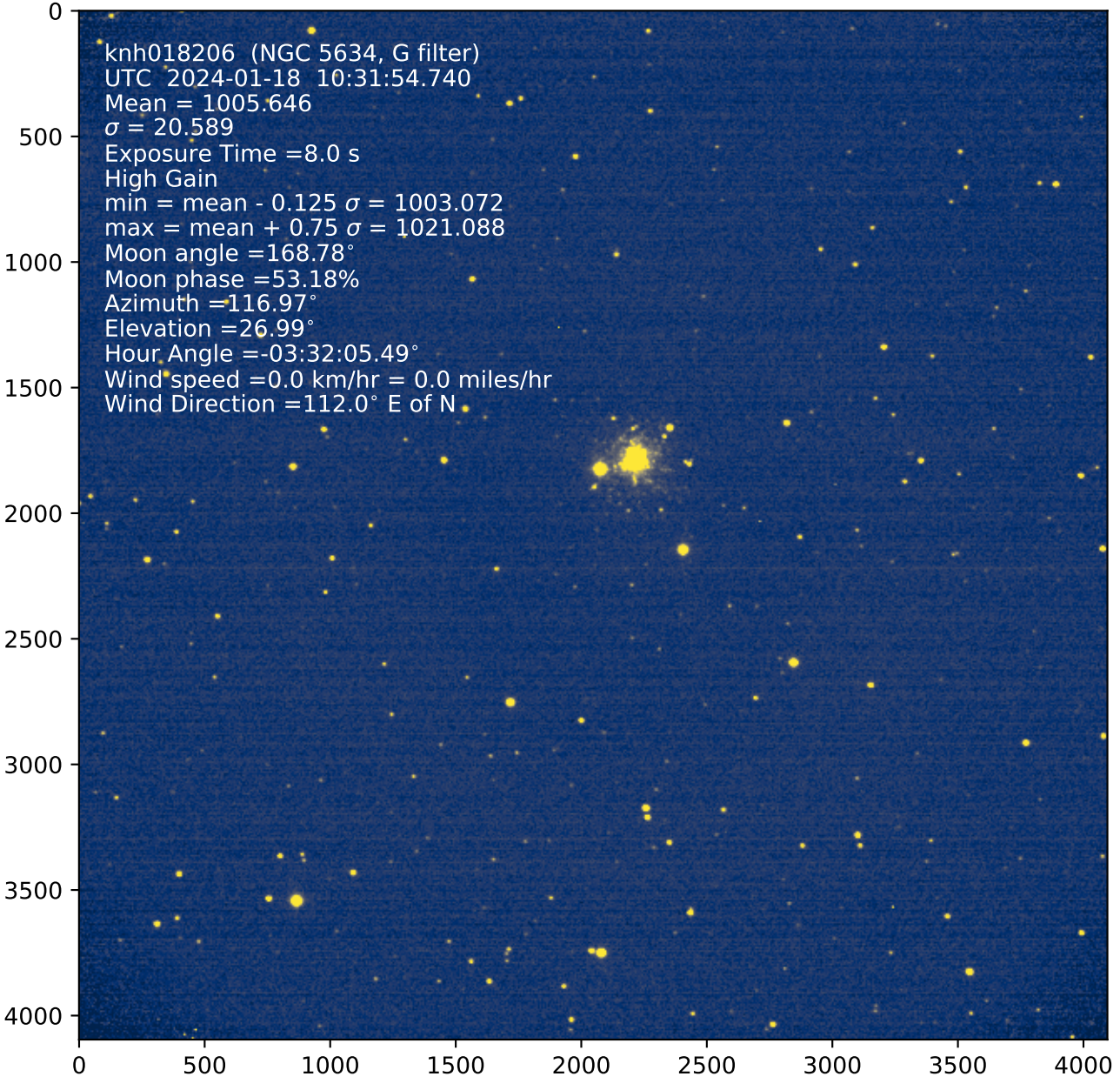
3500
4000


knh018206 (NGC 5634, G filter)
UTC 2024-01-18 10:31:54.740
Mean = 1005.646
σ = 20.589
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.072
max = mean + 0.75 σ = 1021.088
Moon angle =168.78°
Moon phase =53.18%
Azimuth =116.97°
Elevation =26.99°
Hour Angle =-03:32:05.49°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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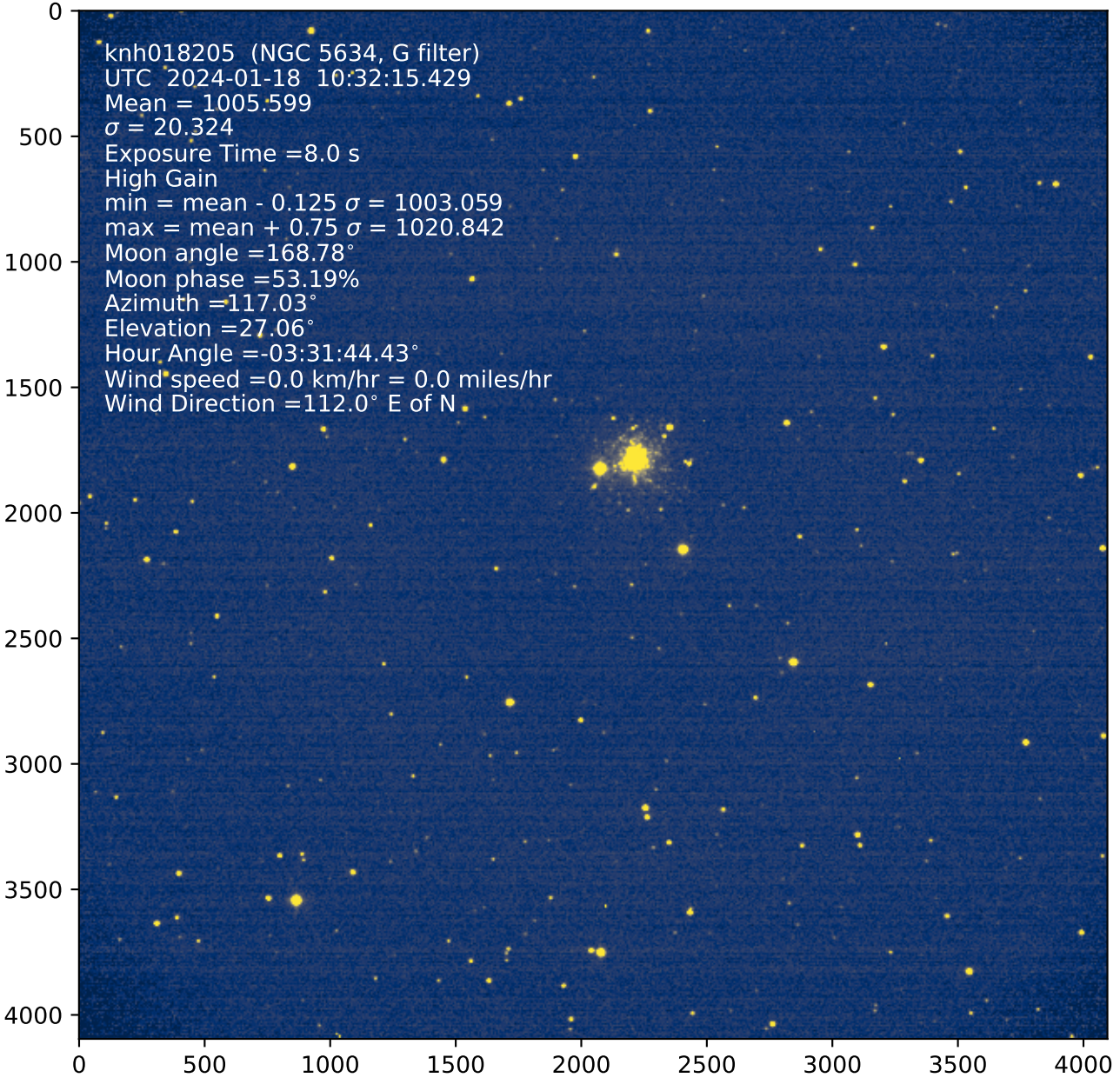
3500
4000


knh018205 (NGC 5634, G filter)
UTC 2024-01-18 10:32:15.429
Mean = 1005.599
σ = 20.324
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.059
max = mean + 0.75 σ = 1020.842
Moon angle =168.78°
Moon phase =53.19%
Azimuth =117.03°
Elevation =27.06°
Hour Angle =-03:31:44.43°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
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1500
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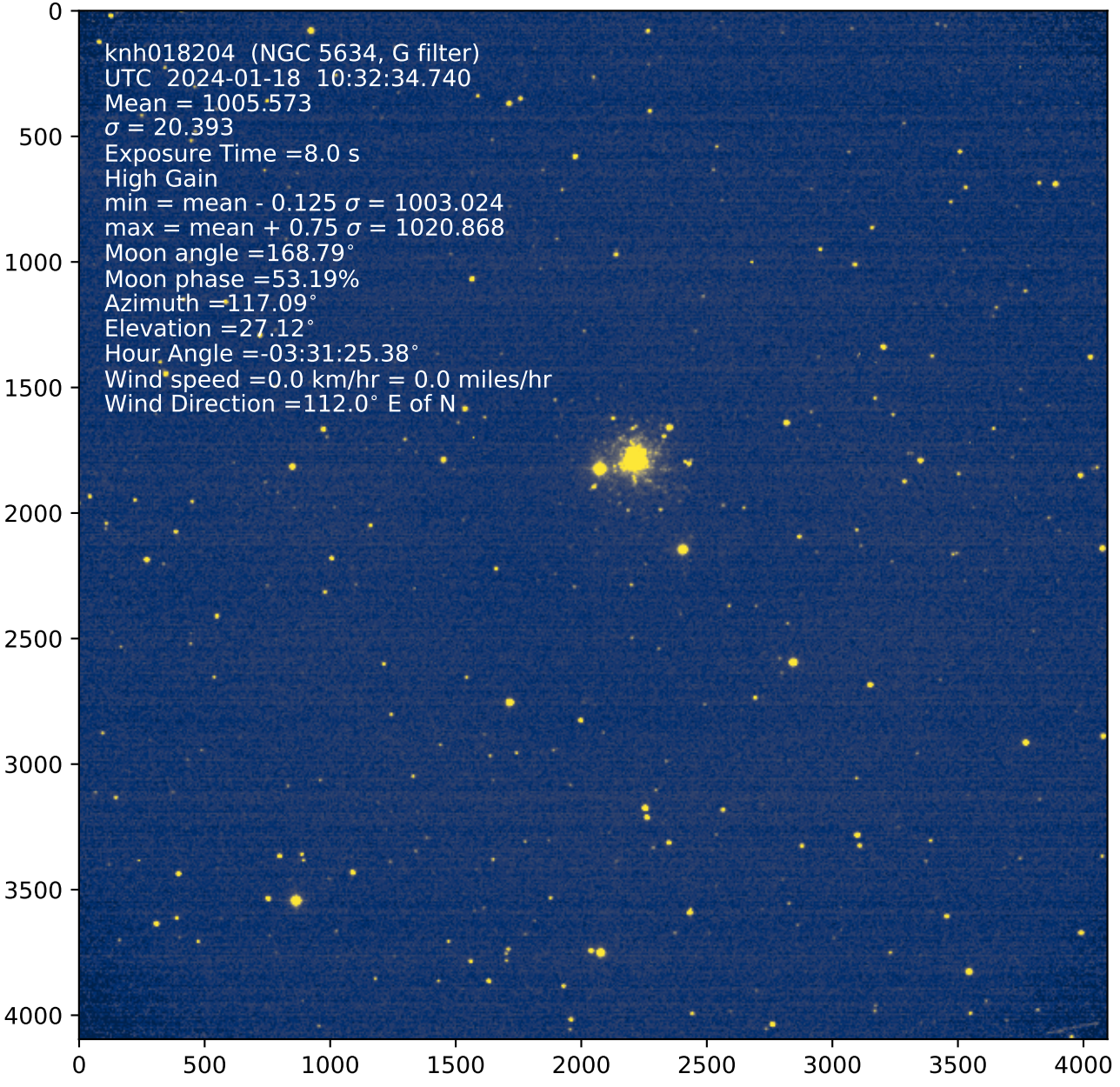
2500
3000
3500
4000


knh018204 (NGC 5634, G filter)
UTC 2024-01-18 10:32:34.740
Mean = 1005.573
σ = 20.393
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1003.024
max = mean + 0.75 σ = 1020.868
Moon angle =168.79°
Moon phase =53.19%
Azimuth =117.09°
Elevation =27.12°
Hour Angle =-03:31:25.38°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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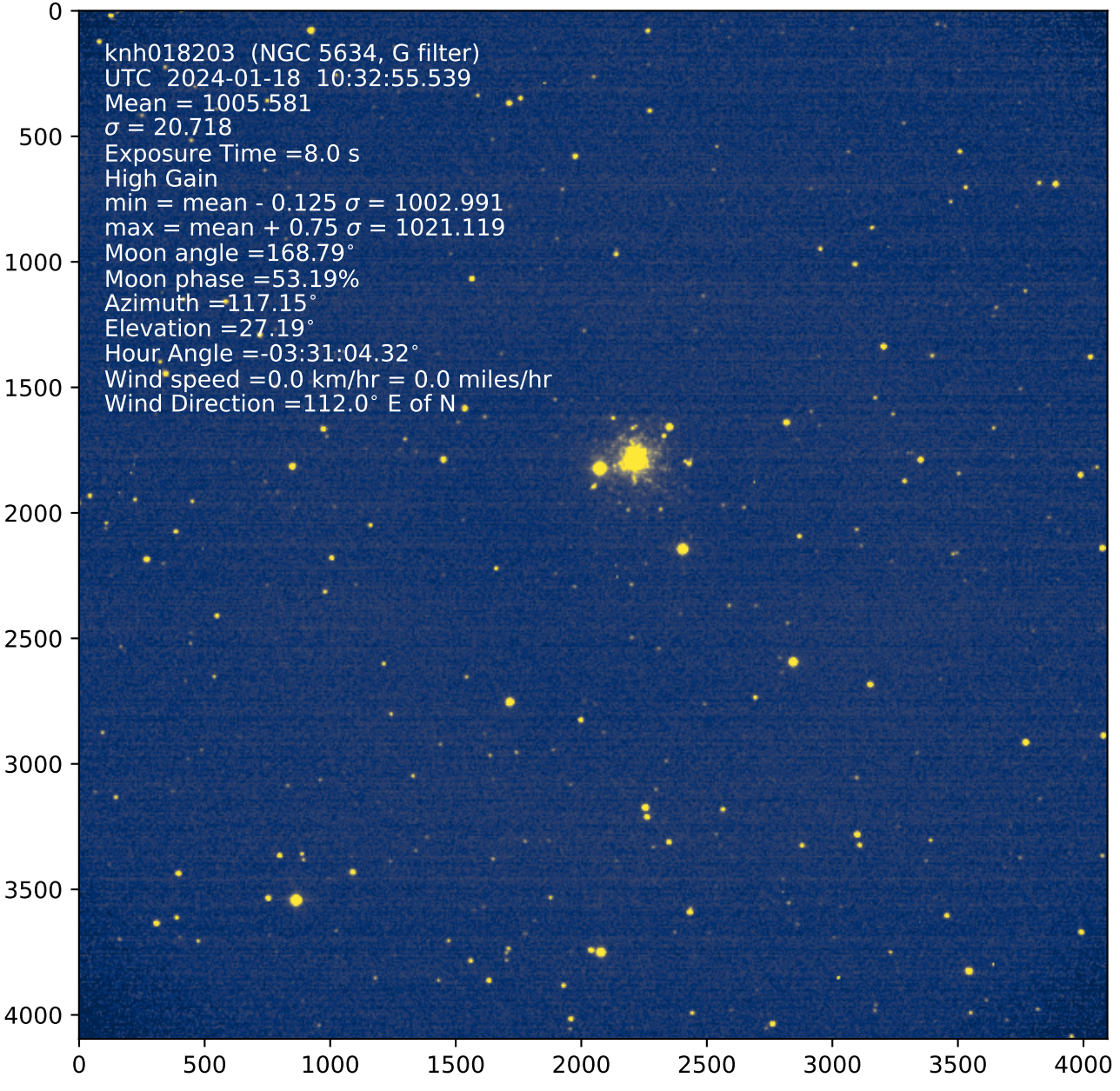
2500
3000
3500
4000


knh018203 (NGC 5634, G filter)
UTC 2024-01-18 10:32:55.539
Mean = 1005.581
σ = 20.718
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.991
max = mean + 0.75 σ = 1021.119
Moon angle =168.79°
Moon phase =53.19%
Azimuth =117.15°
Elevation =27.19°
Hour Angle =-03:31:04.32°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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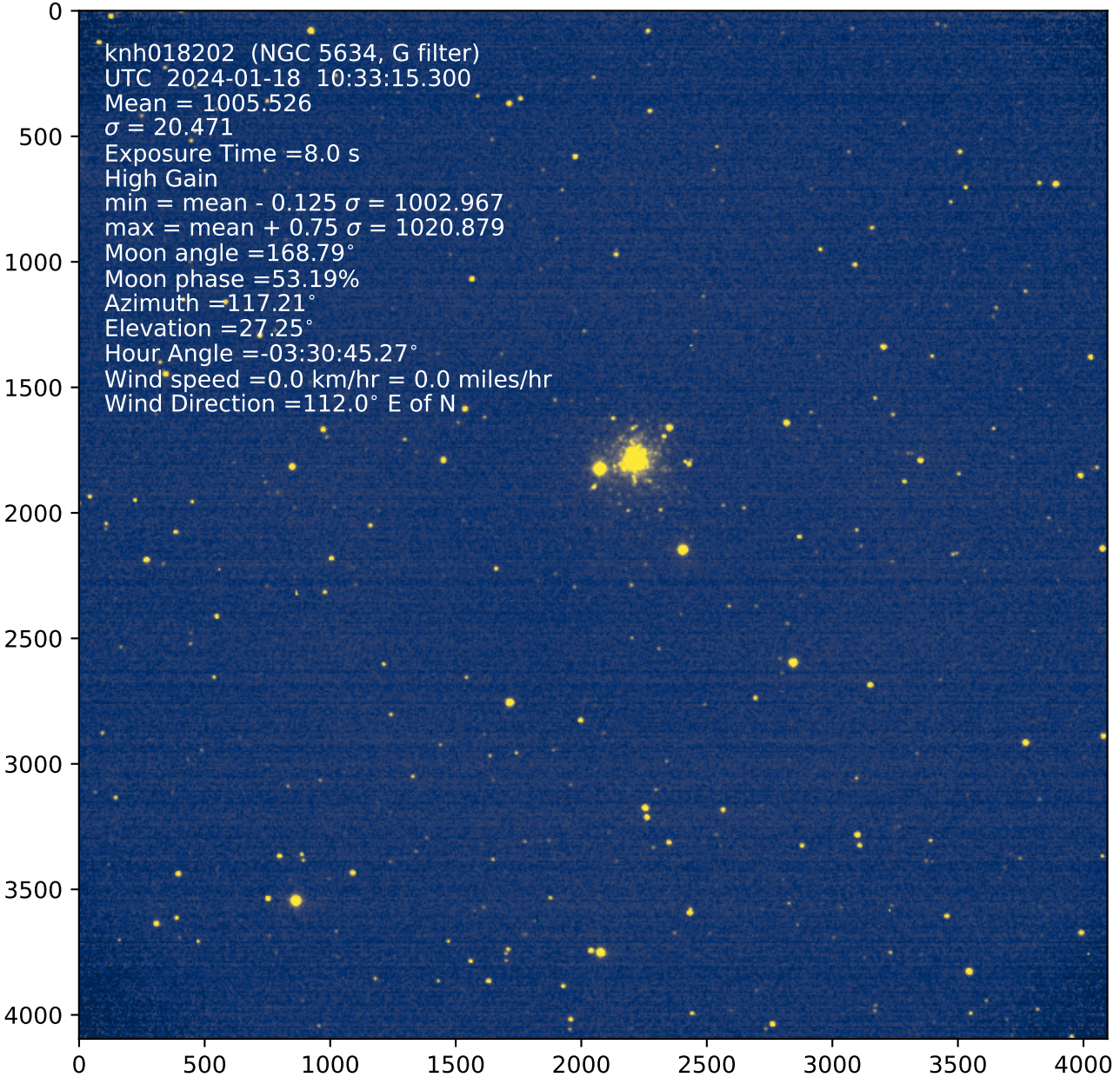
2500
3000
3500
4000


knh018202 (NGC 5634, G filter)
UTC 2024-01-18 10:33:15.300
Mean = 1005.526
σ = 20.471
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.967
max = mean + 0.75 σ = 1020.879
Moon angle =168.79°
Moon phase =53.19%
Azimuth =117.21°
Elevation =27.25°
Hour Angle =-03:30:45.27°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
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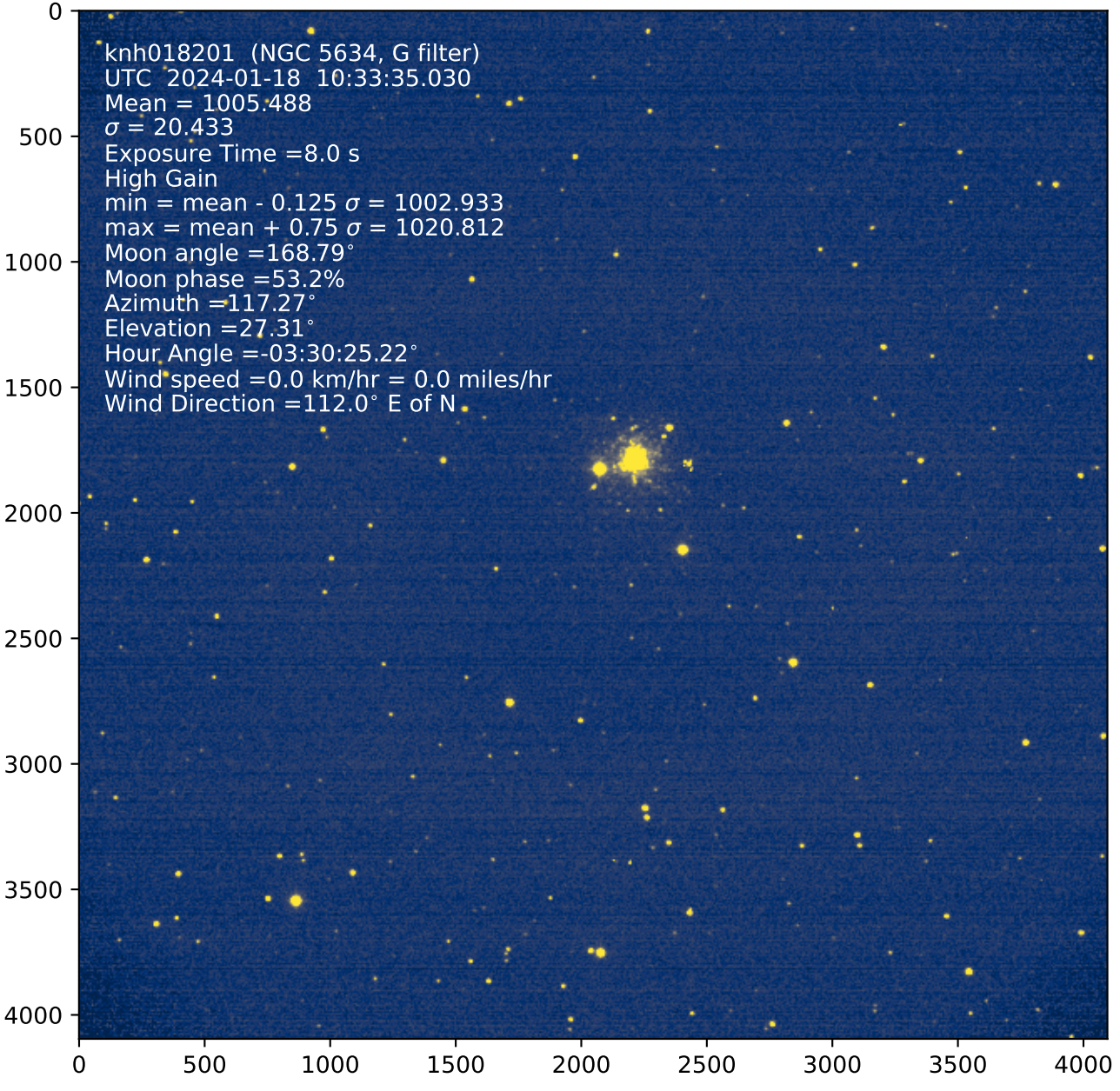
3000
3500
4000


knh018201 (NGC 5634, G filter)
UTC 2024-01-18 10:33:35.030
Mean = 1005.488
σ = 20.433
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.933
max = mean + 0.75 σ = 1020.812
Moon angle =168.79°
Moon phase =53.2%
Azimuth =117.27°
Elevation =27.31°
Hour Angle =-03:30:25.22°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
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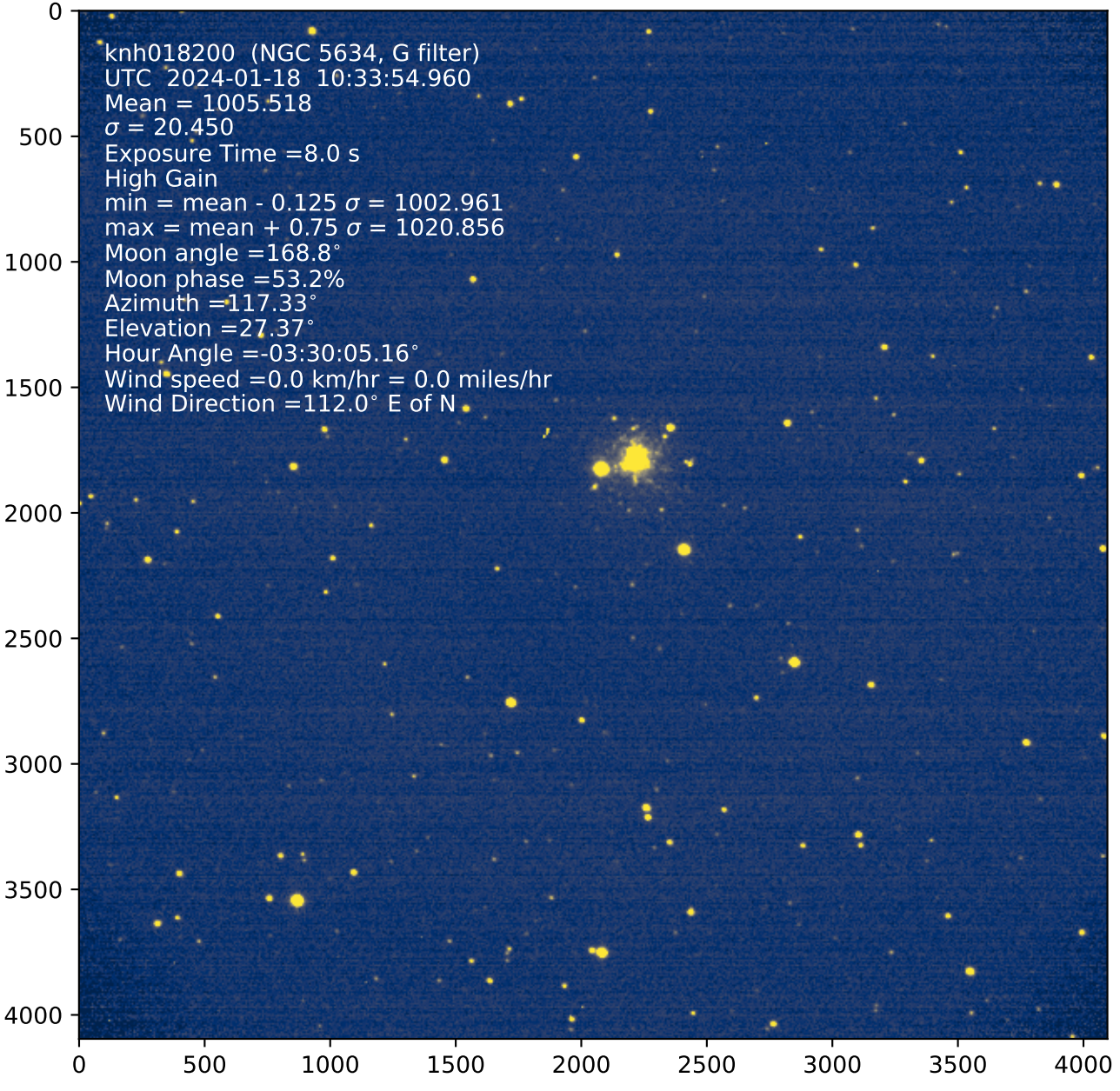
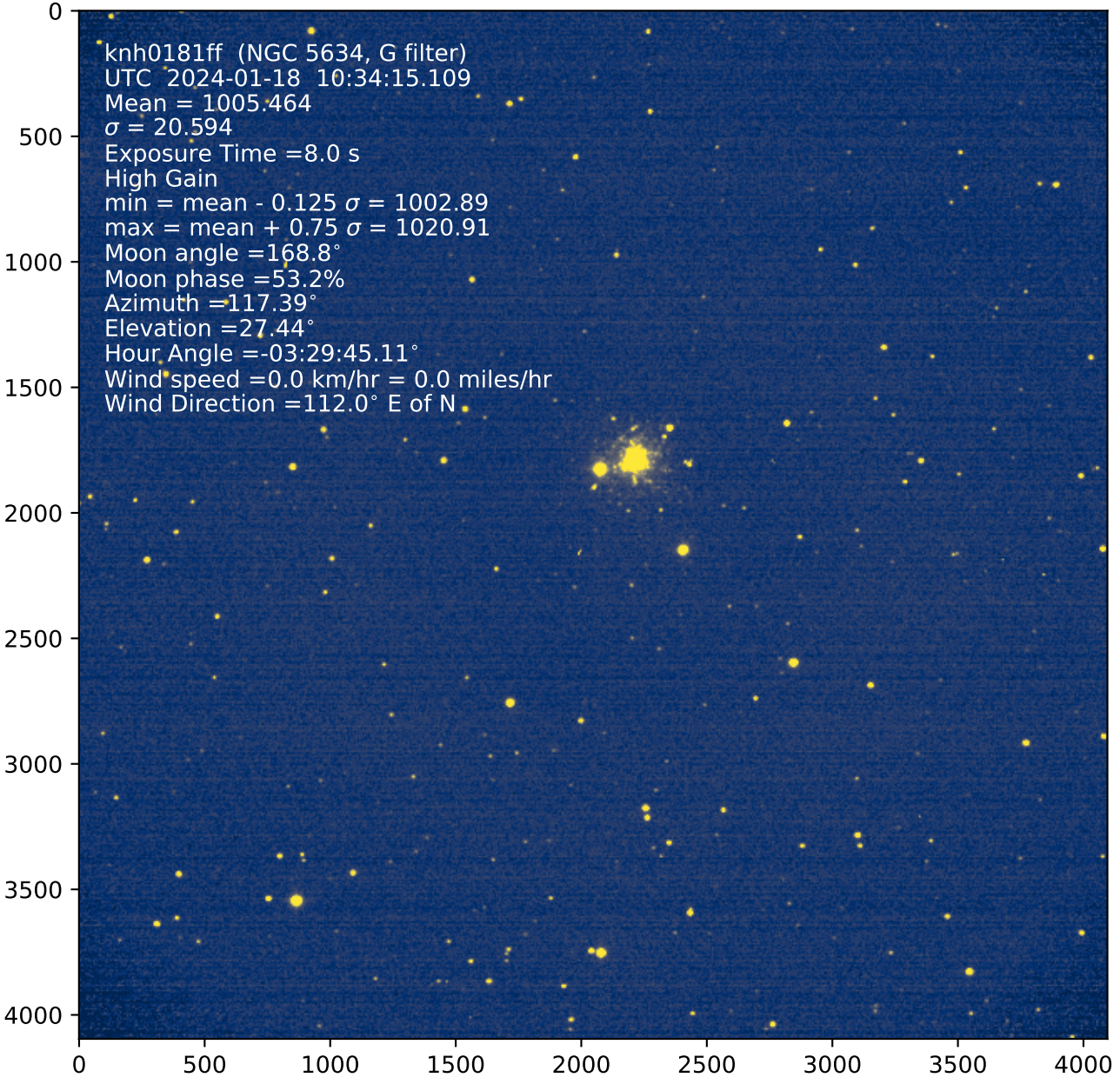
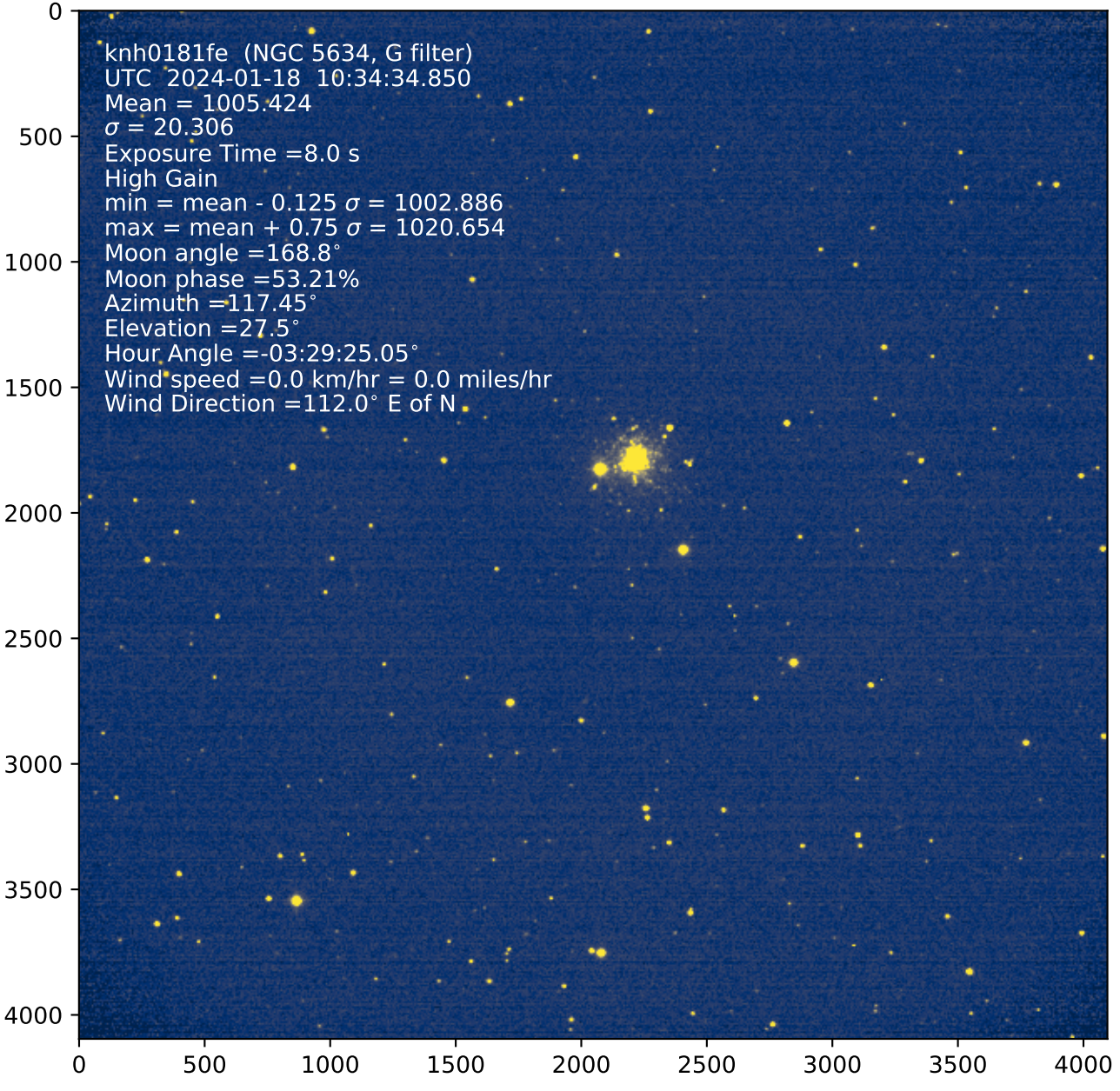
2500
3000
3500
4000


knh018200 (NGC 5634, G filter)
UTC 2024-01-18 10:33:54.960
Mean = 1005.518
σ = 20.450
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.961
max = mean + 0.75 σ = 1020.856
Moon angle =168.8°
Moon phase =53.2%
Azimuth =117.33°
Elevation =27.37°
Hour Angle =-03:30:05.16°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh0181ff (NGC 5634, G filter)
UTC 2024-01-18 10:34:15.109
Mean = 1005.464
σ = 20.594
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.89
max = mean + 0.75 σ = 1020.91
Moon angle =168.8°
Moon phase =53.2%
Azimuth =117.39°
Elevation =27.44°
Hour Angle =-03:29:45.11°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh0181fe (NGC 5634, G filter)
UTC 2024-01-18 10:34:34.850
Mean = 1005.424
σ = 20.306
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.886
max = mean + 0.75 σ = 1020.654
Moon angle =168.8°
Moon phase =53.21%
Azimuth =117.45°
Elevation =27.5°
Hour Angle =-03:29:25.05°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
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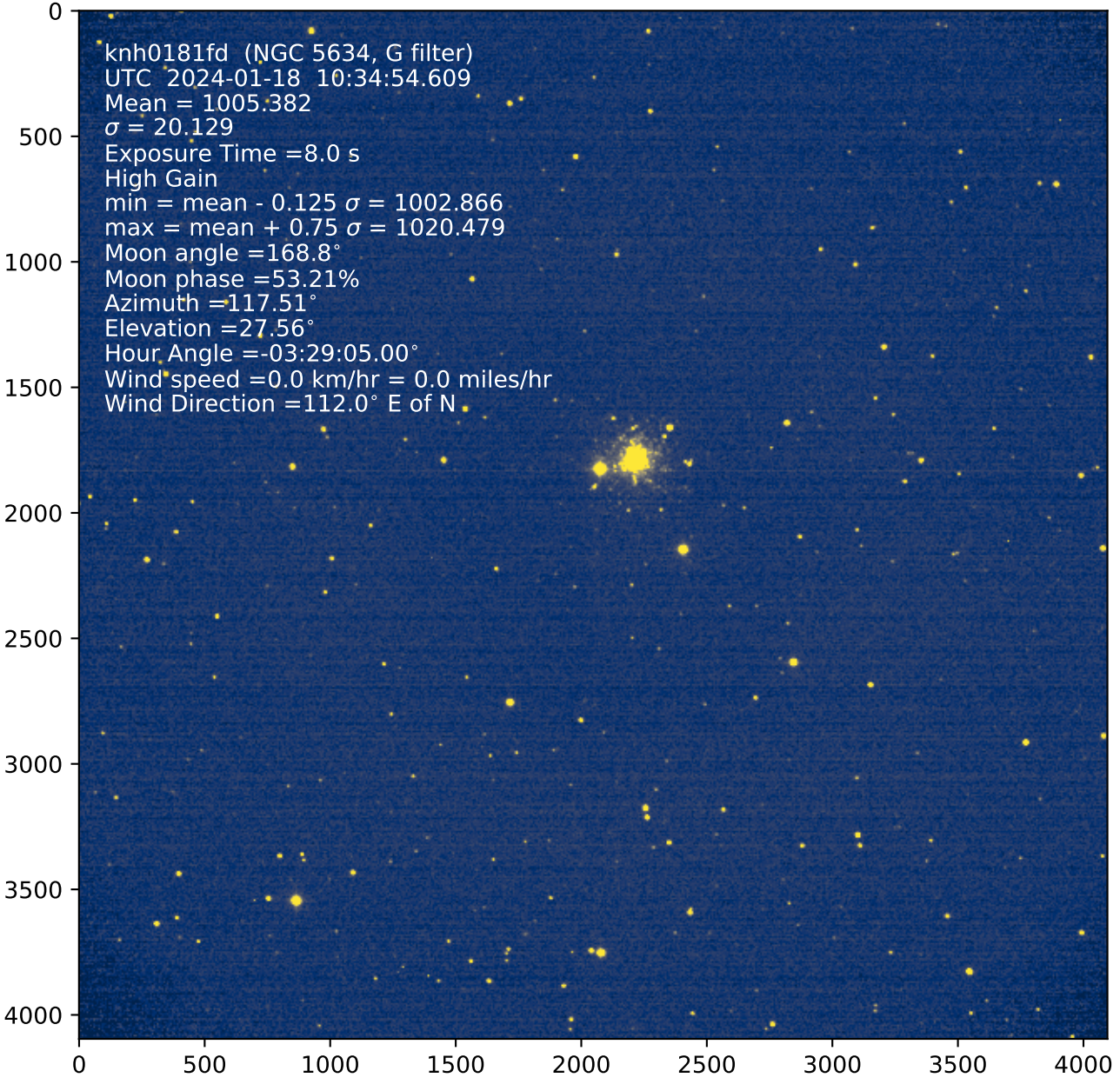
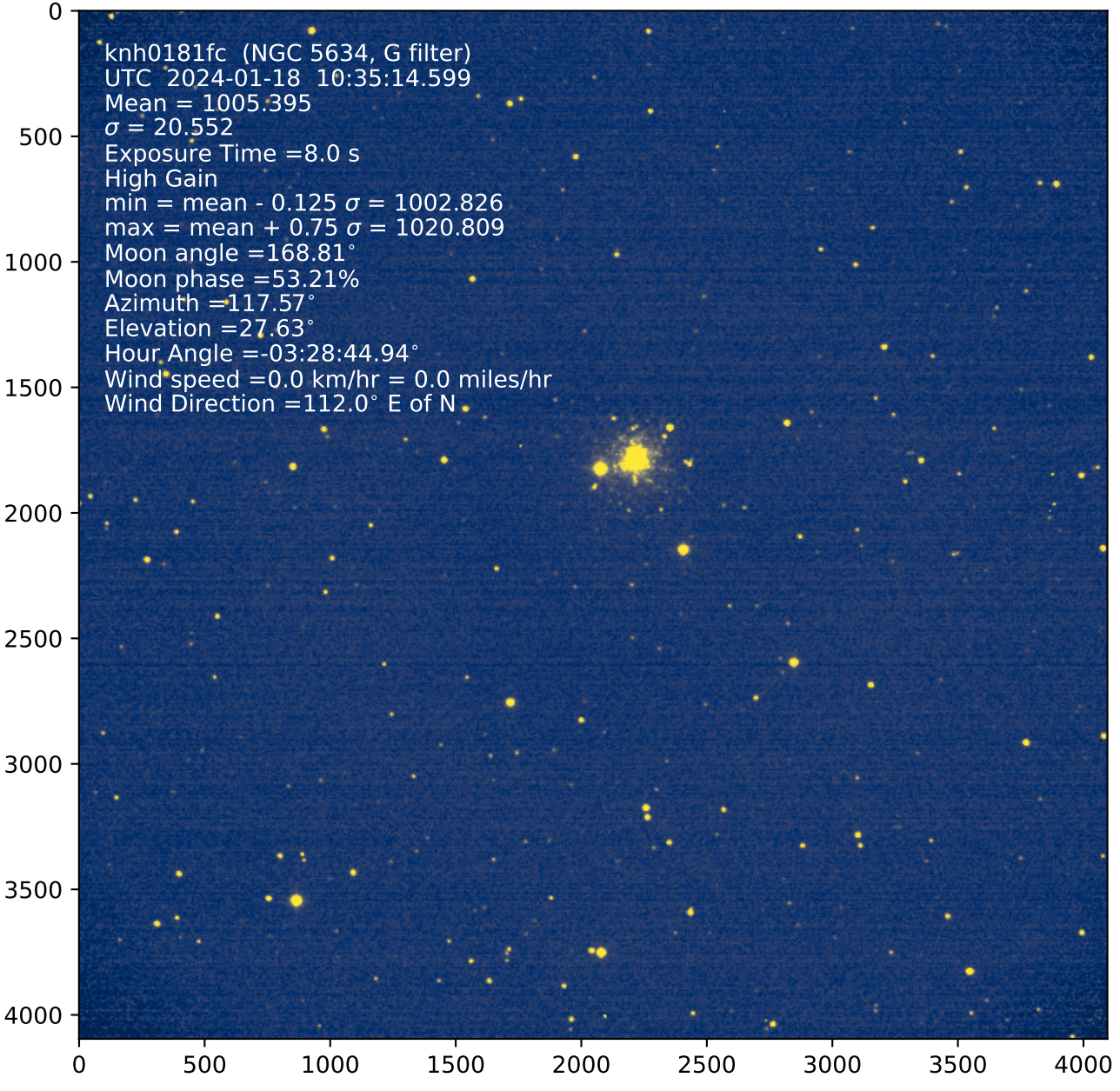
1500
2000
2500
3000
3500
4000


knh0181fd (NGC 5634, G filter)
UTC 2024-01-18 10:34:54.609
Mean = 1005.382
σ = 20.129
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.866
max = mean + 0.75 σ = 1020.479
Moon angle =168.8°
Moon phase =53.21%
Azimuth =117.51°
Elevation =27.56°
Hour Angle =-03:29:05.00°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh0181fc (NGC 5634, G filter)
UTC 2024-01-18 10:35:14.599
Mean = 1005.395
σ = 20.552
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.826
max = mean + 0.75 σ = 1020.809
Moon angle =168.81°
Moon phase =53.21%
Azimuth =117.57°
Elevation =27.63°
Hour Angle =-03:28:44.94°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
500
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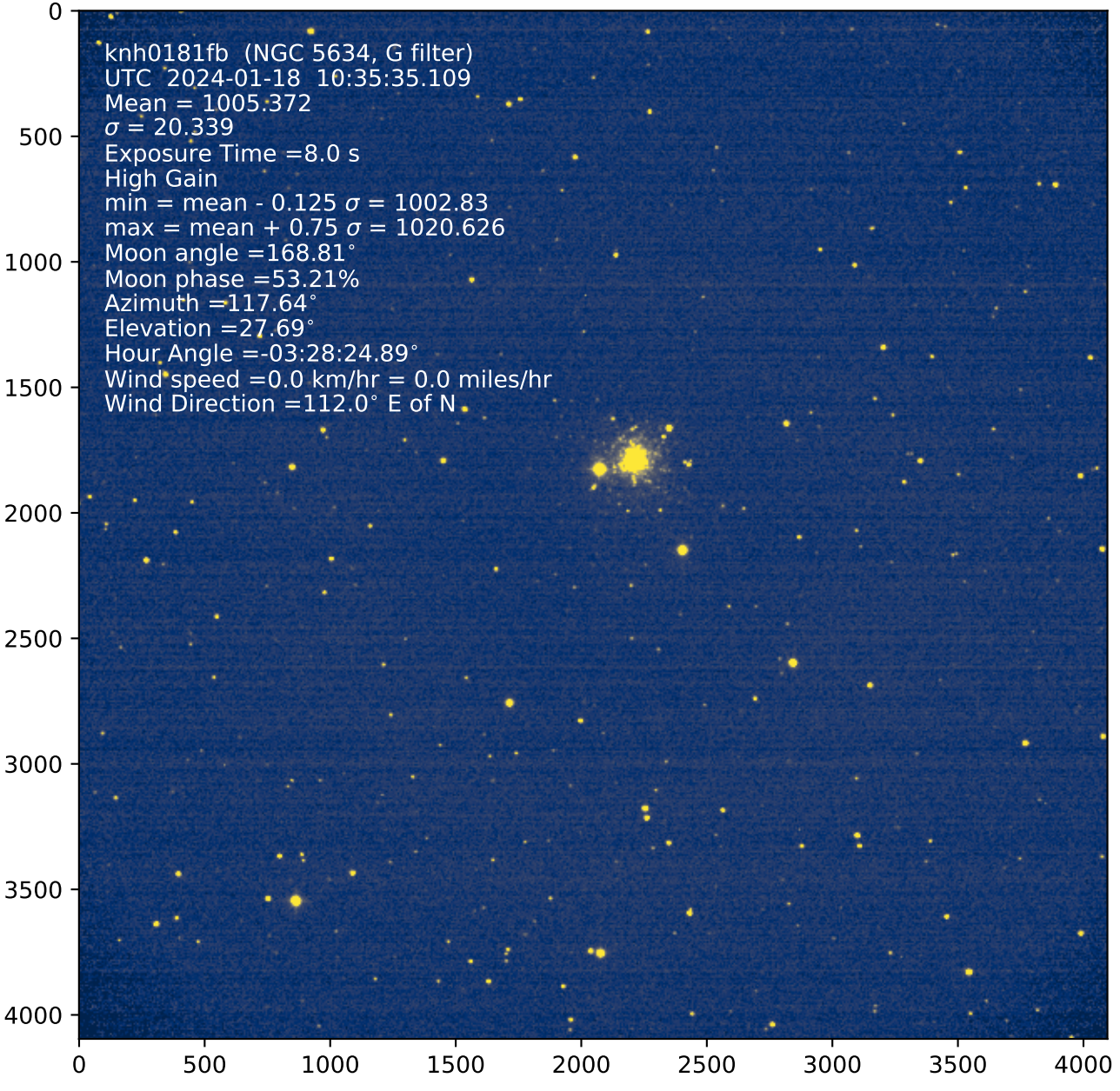
1500
2000
2500
3000
3500
4000


knh0181fb (NGC 5634, G filter)
UTC 2024-01-18 10:35:35.109
Mean = 1005.372
σ = 20.339
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.83
max = mean + 0.75 σ = 1020.626
Moon angle =168.81°
Moon phase =53.21%
Azimuth =117.64°
Elevation =27.69°
Hour Angle =-03:28:24.89°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
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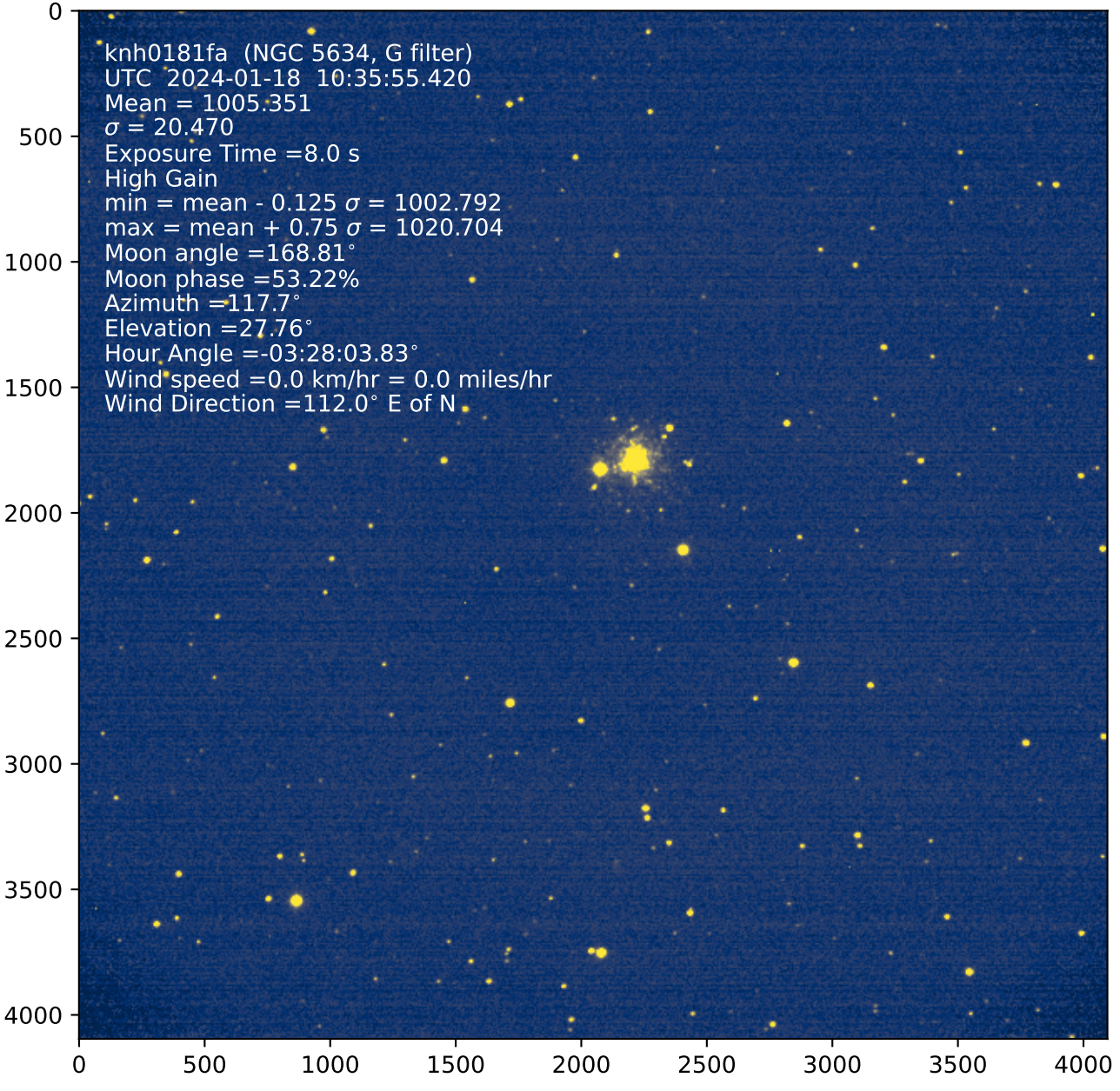
3500
4000


knh0181fa (NGC 5634, G filter)
UTC 2024-01-18 10:35:55.420
Mean = 1005.351
σ = 20.470
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.792
max = mean + 0.75 σ = 1020.704
Moon angle =168.81°
Moon phase =53.22%
Azimuth =117.7°
Elevation =27.76°
Hour Angle =-03:28:03.83°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
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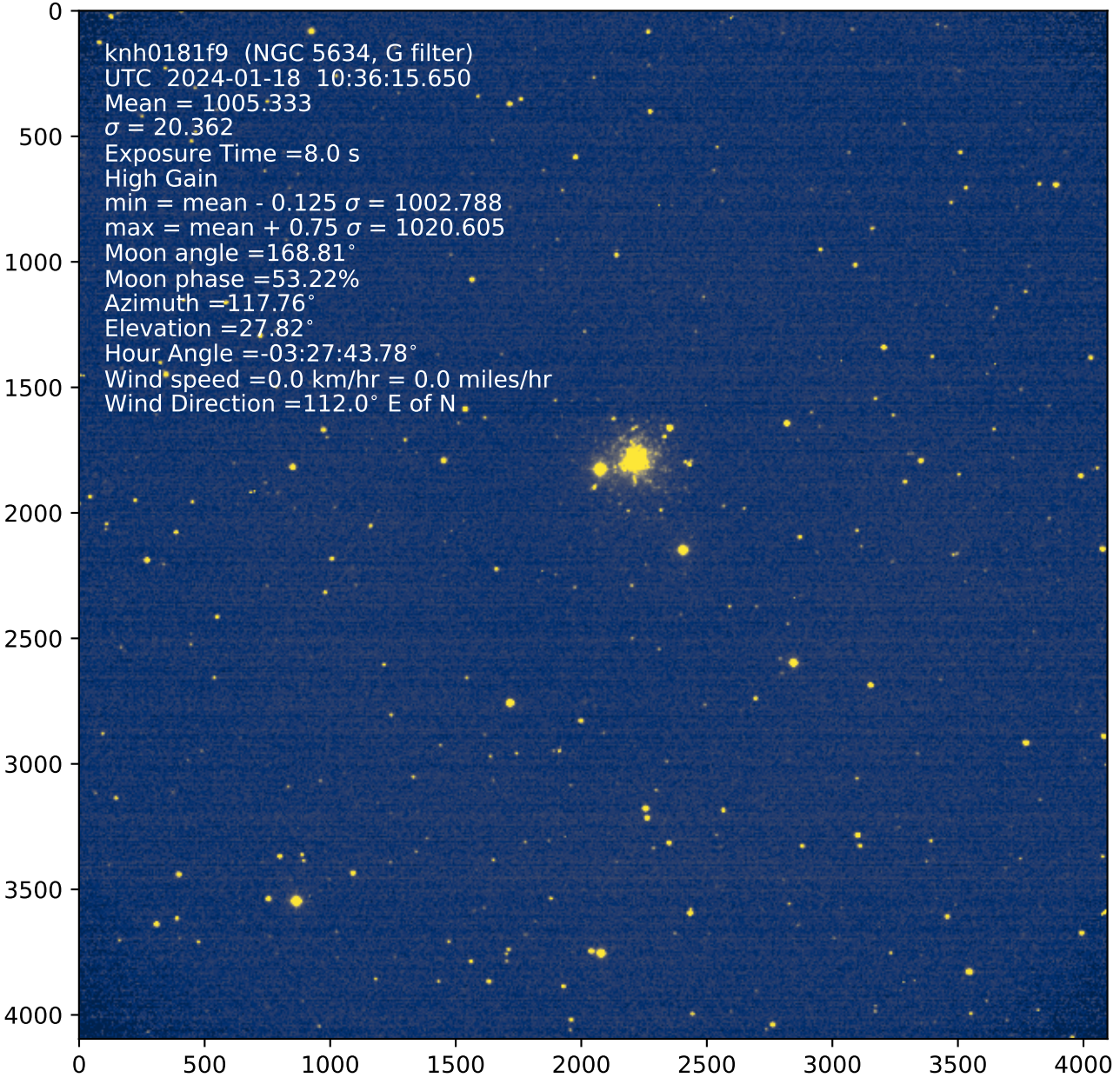
3500
4000


knh0181f9 (NGC 5634, G filter)
UTC 2024-01-18 10:36:15.650
Mean = 1005.333
σ = 20.362
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.788
max = mean + 0.75 σ = 1020.605
Moon angle =168.81°
Moon phase =53.22%
Azimuth =117.76°
Elevation =27.82°
Hour Angle =-03:27:43.78°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
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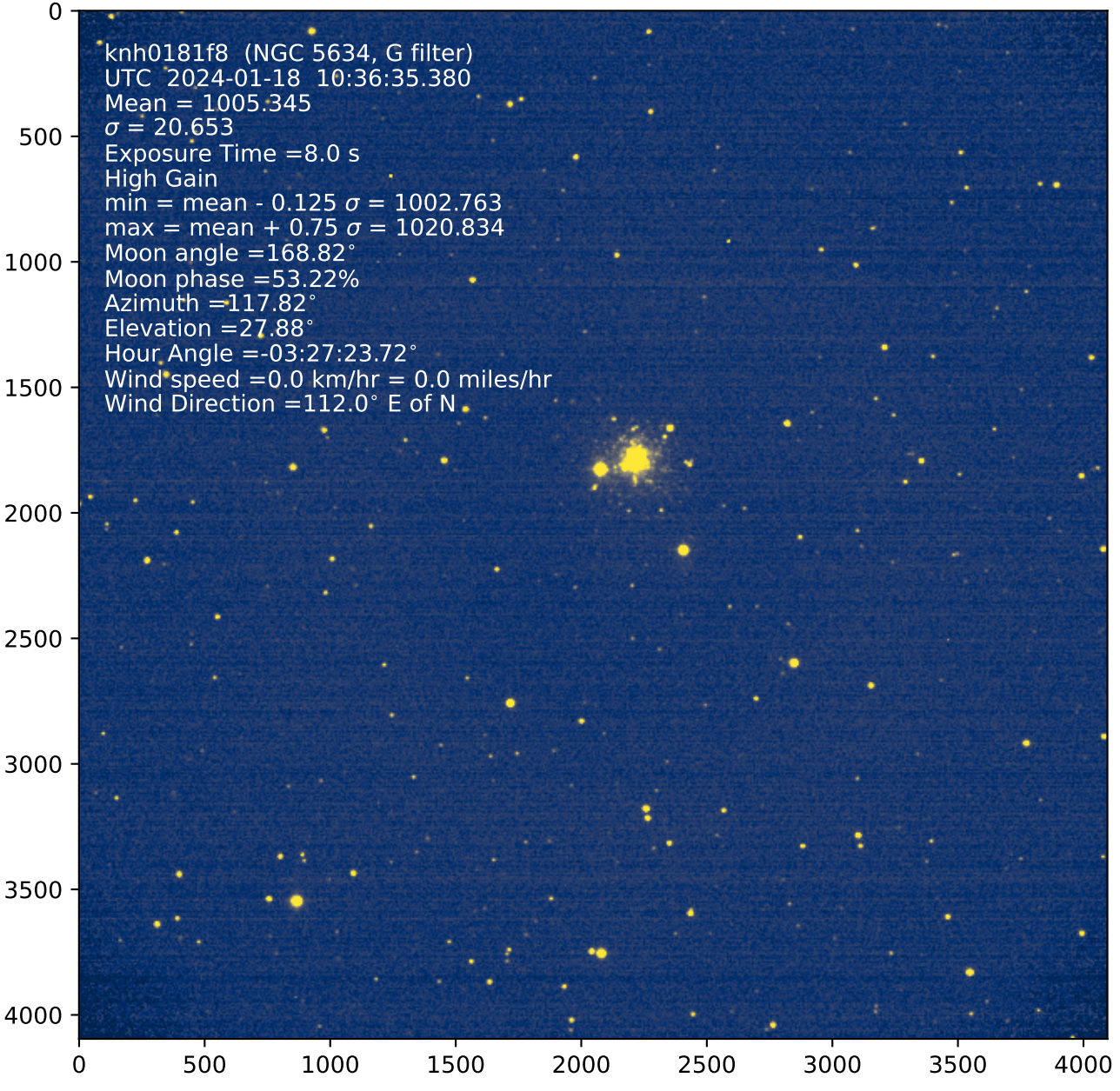
4000


knh0181f8 (NGC 5634, G filter)
UTC 2024-01-18 10:36:35.380
Mean = 1005.345
σ = 20.653
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.763
max = mean + 0.75 σ = 1020.834
Moon angle =168.82°
Moon phase =53.22%
Azimuth =117.82°
Elevation =27.88°
Hour Angle =-03:27:23.72°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
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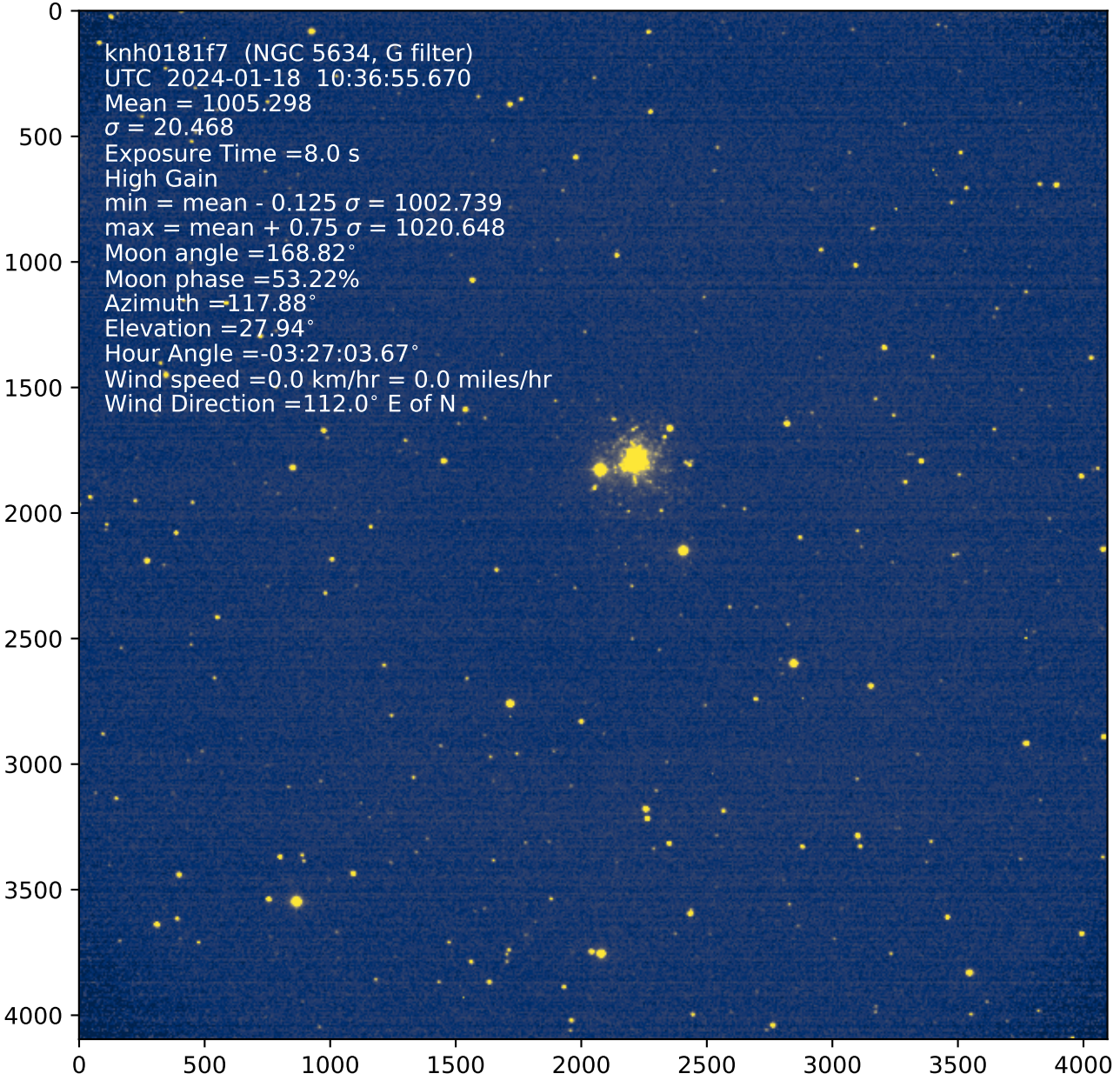
3000
3500
4000


knh0181f7 (NGC 5634, G filter)
UTC 2024-01-18 10:36:55.670
Mean = 1005.298
σ = 20.468
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.739
max = mean + 0.75 σ = 1020.648
Moon angle =168.82°
Moon phase =53.22%
Azimuth =117.88°
Elevation =27.94°
Hour Angle =-03:27:03.67°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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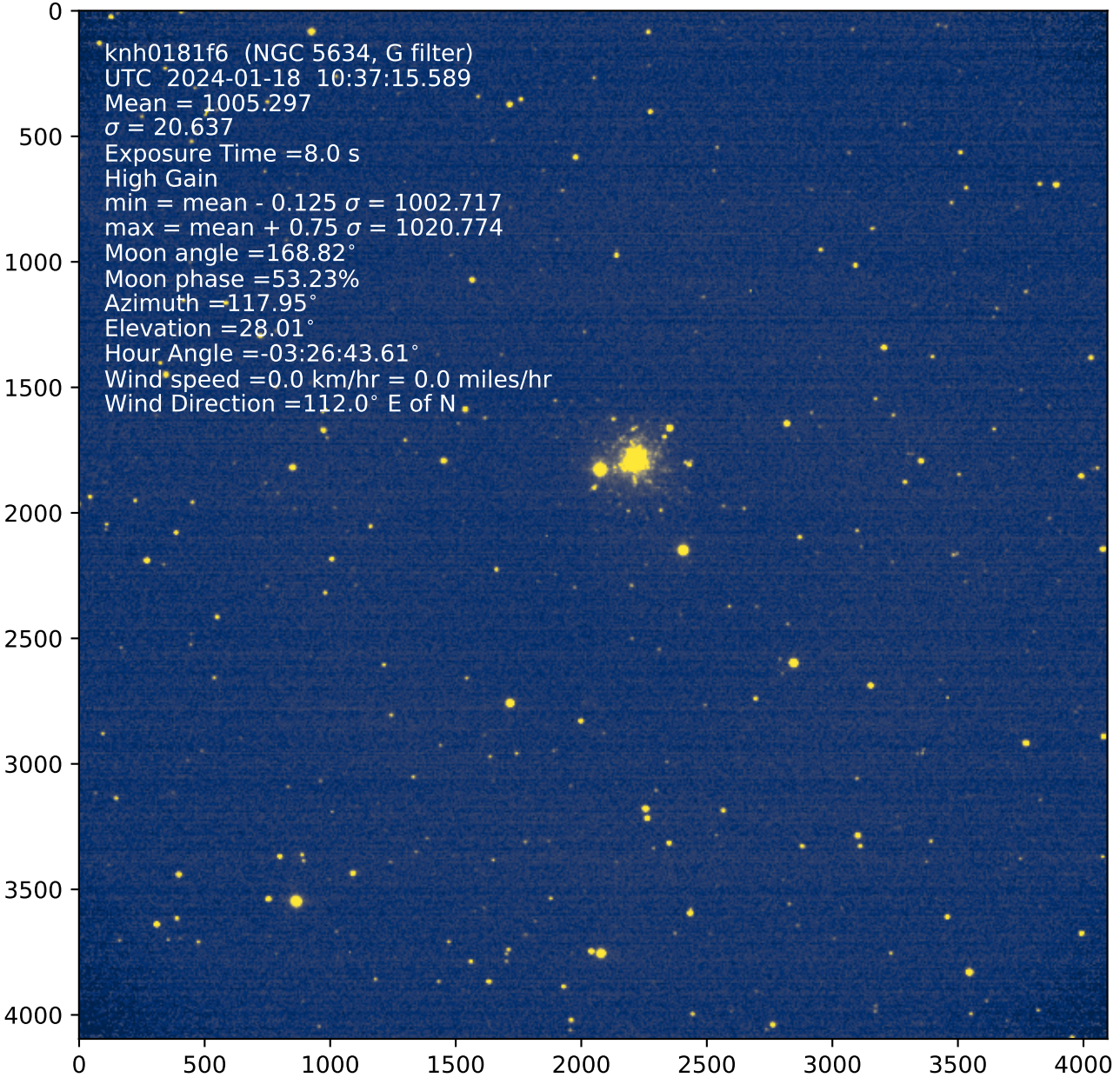
4000


knh0181f6 (NGC 5634, G filter)
UTC 2024-01-18 10:37:15.589
Mean = 1005.297
σ = 20.637
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.717
max = mean + 0.75 σ = 1020.774
Moon angle =168.82°
Moon phase =53.23%
Azimuth =117.95°
Elevation =28.01°
Hour Angle =-03:26:43.61°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =112.0° E of N
0
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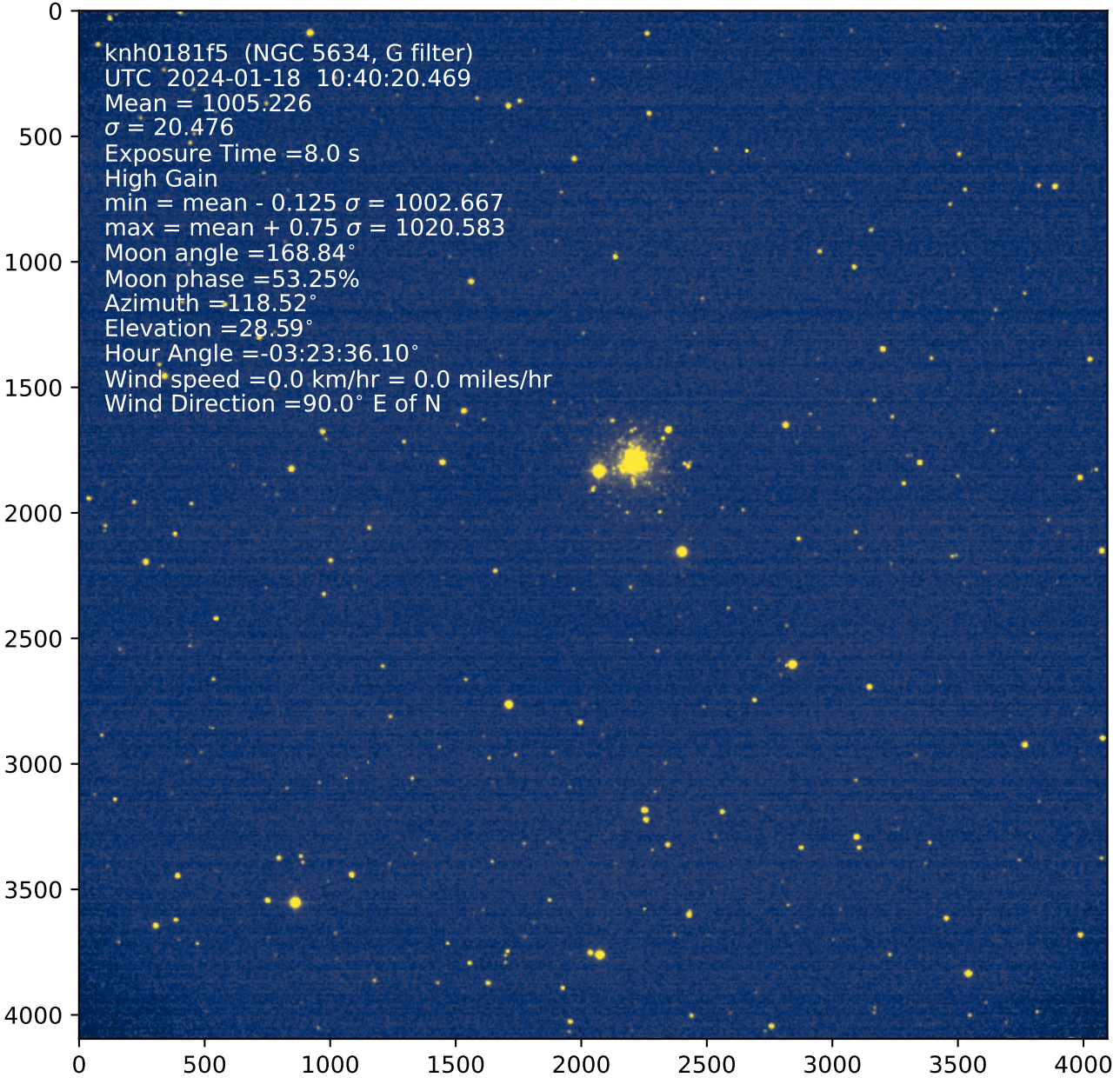
3500
4000


knh0181f5 (NGC 5634, G filter)
UTC 2024-01-18 10:40:20.469
Mean = 1005.226
σ = 20.476
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.667
max = mean + 0.75 σ = 1020.583
Moon angle =168.84°
Moon phase =53.25%
Azimuth =118.52°
Elevation =28.59°
Hour Angle =-03:23:36.10°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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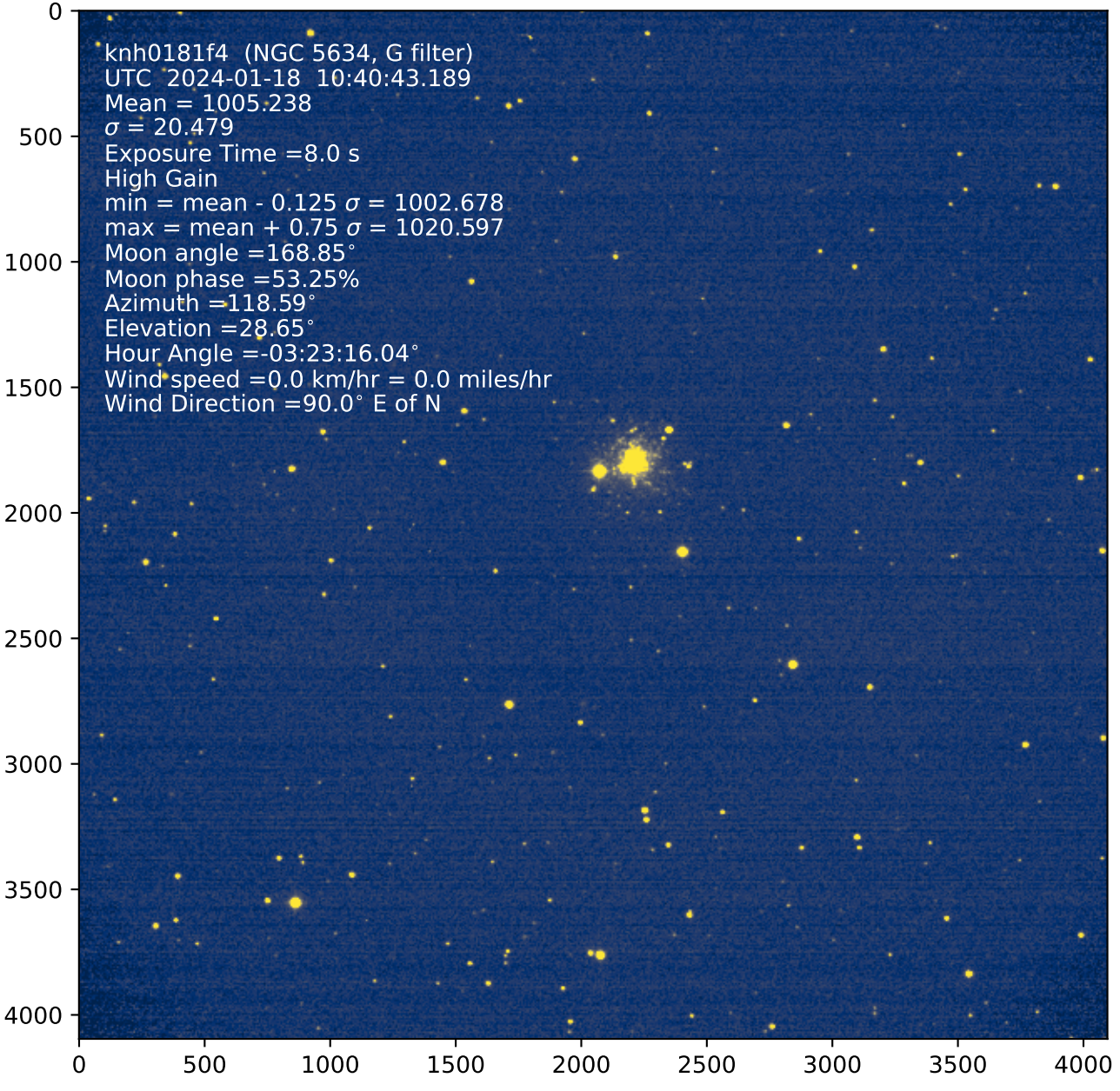
3000
3500
4000


knh0181f4 (NGC 5634, G filter)
UTC 2024-01-18 10:40:43.189
Mean = 1005.238
σ = 20.479
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.678
max = mean + 0.75 σ = 1020.597
Moon angle =168.85°
Moon phase =53.25%
Azimuth =118.59°
Elevation =28.65°
Hour Angle =-03:23:16.04°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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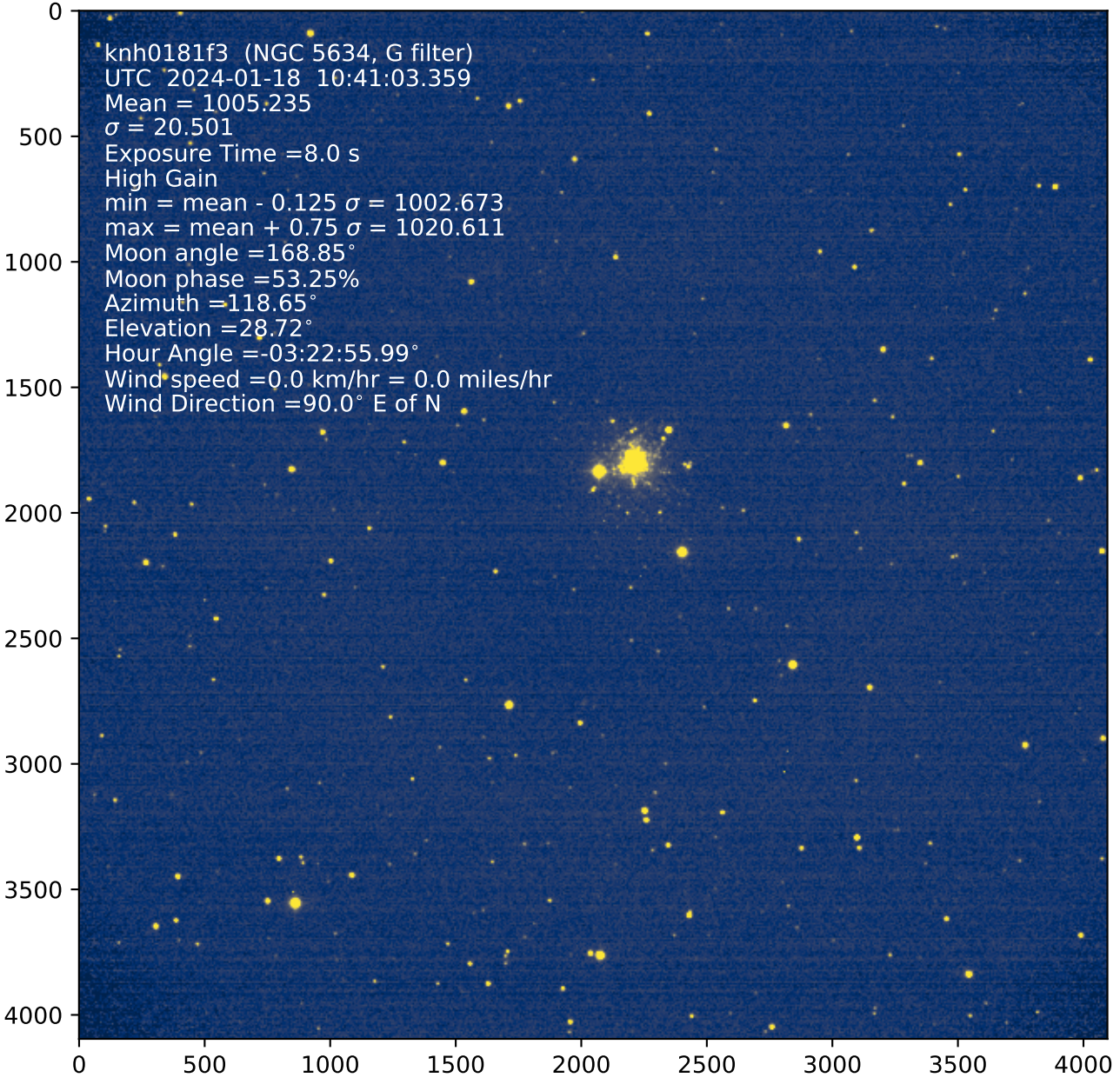
3500
4000


knh0181f3 (NGC 5634, G filter)
UTC 2024-01-18 10:41:03.359
Mean = 1005.235
σ = 20.501
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.673
max = mean + 0.75 σ = 1020.611
Moon angle =168.85°
Moon phase =53.25%
Azimuth =118.65°
Elevation =28.72°
Hour Angle =-03:22:55.99°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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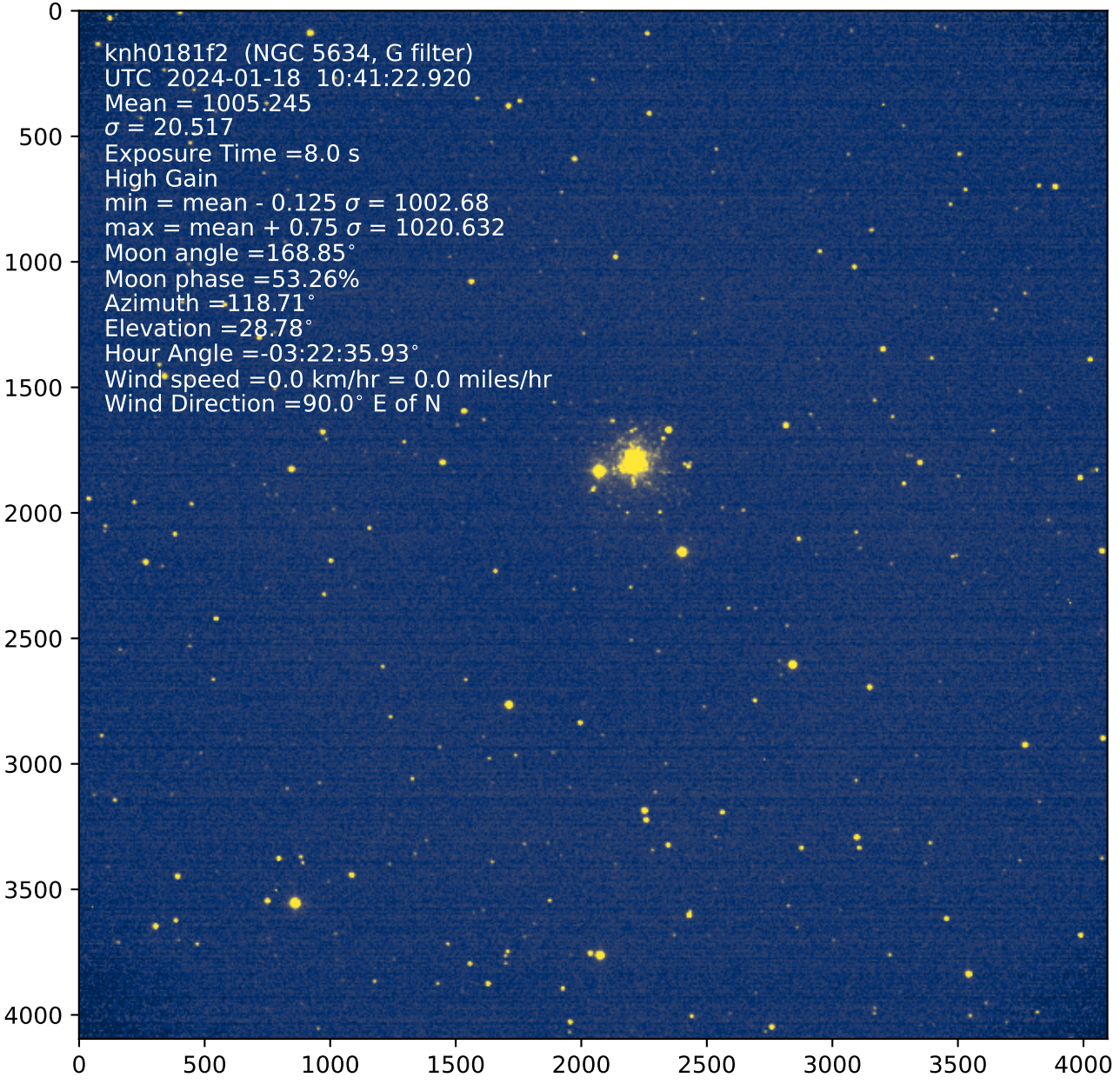
3000
3500
4000


knh0181f2 (NGC 5634, G filter)
UTC 2024-01-18 10:41:22.920
Mean = 1005.245
σ = 20.517
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.68
max = mean + 0.75 σ = 1020.632
Moon angle =168.85˚
Moon phase =53.26%
Azimuth =118.71˚
Elevation =28.78˚
Hour Angle =-03:22:35.93˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
0
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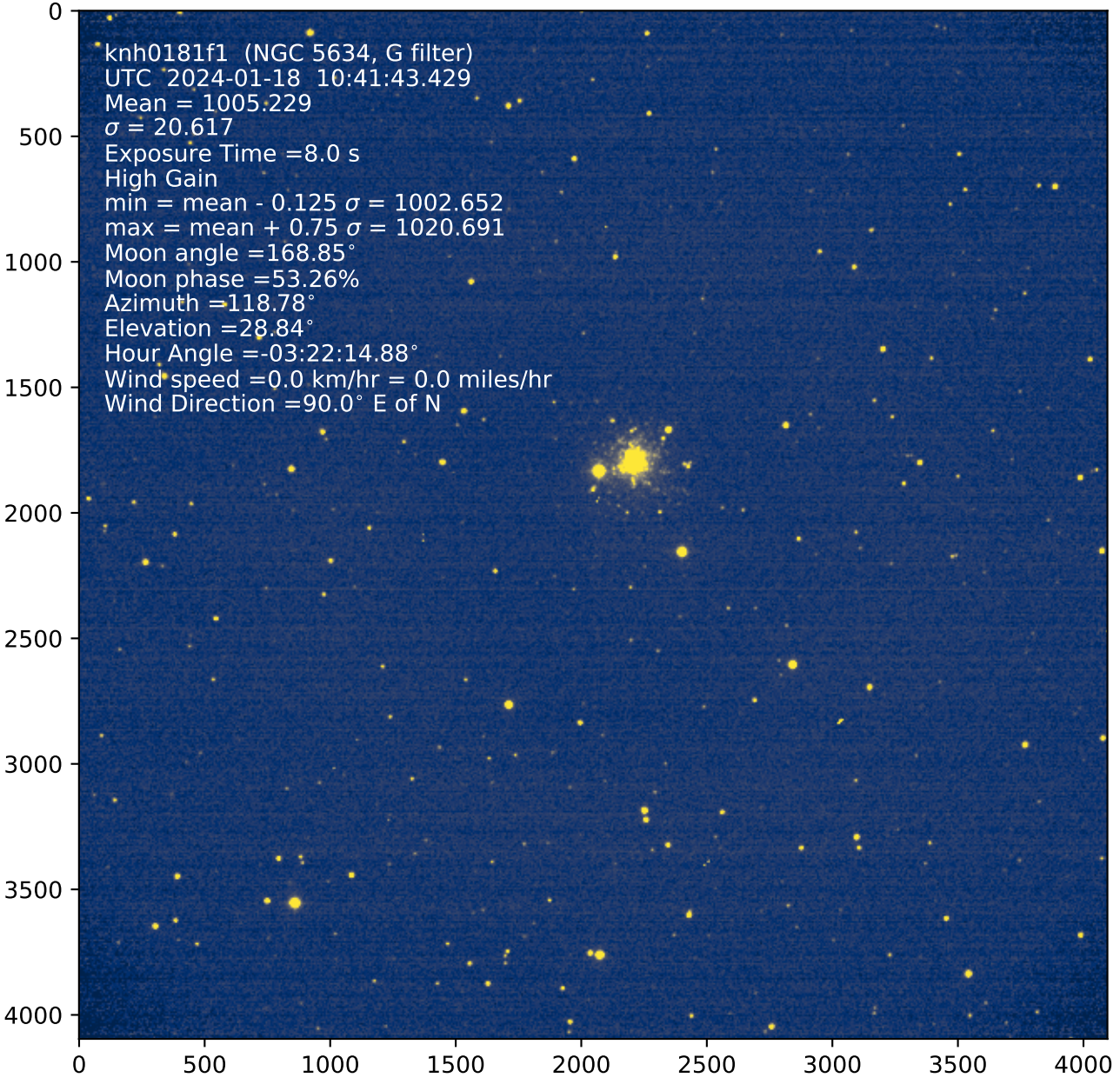
2500
3000
3500
4000


knh0181f1 (NGC 5634, G filter)
UTC 2024-01-18 10:41:43.429
Mean = 1005.229
σ = 20.617
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.652
max = mean + 0.75 σ = 1020.691
Moon angle =168.85°
Moon phase =53.26%
Azimuth =118.78°
Elevation =28.84°
Hour Angle =-03:22:14.88°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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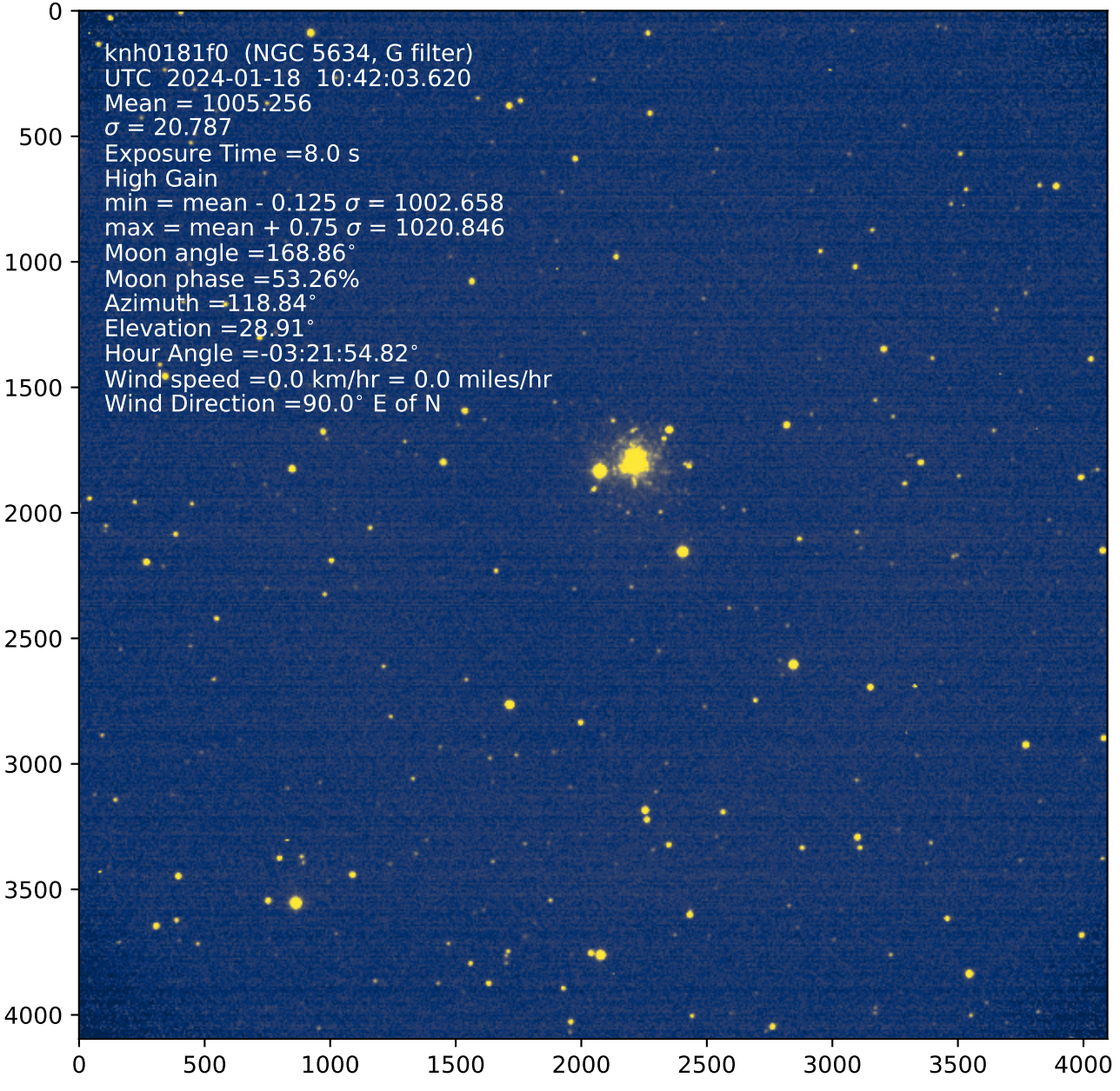
3000
3500
4000


knh0181f0 (NGC 5634, G filter)
UTC 2024-01-18 10:42:03.620
Mean = 1005.256
σ = 20.787
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.658
max = mean + 0.75 σ = 1020.846
Moon angle =168.86°
Moon phase =53.26%
Azimuth =118.84°
Elevation =28.91°
Hour Angle =-03:21:54.82°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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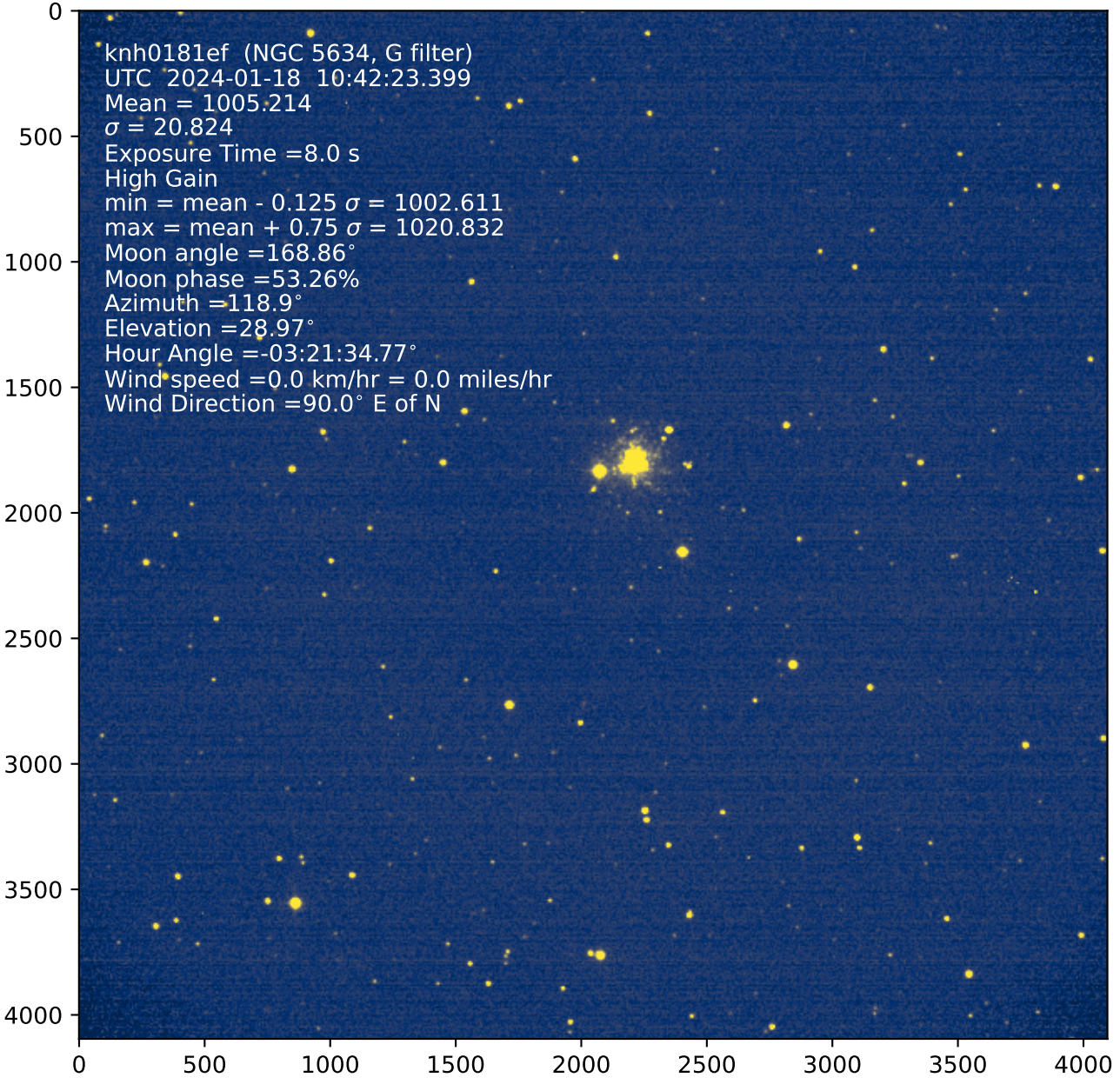
knh0181ef (NGC 5634, G filter)
UTC 2024-01-18 10:42:23.399
Mean = 1005.214
σ = 20.824
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.611
max = mean + 0.75 σ = 1020.832
Moon angle =168.86°
Moon phase =53.26%
Azimuth =118.9°
Elevation =28.97°
Hour Angle =-03:21:34.77°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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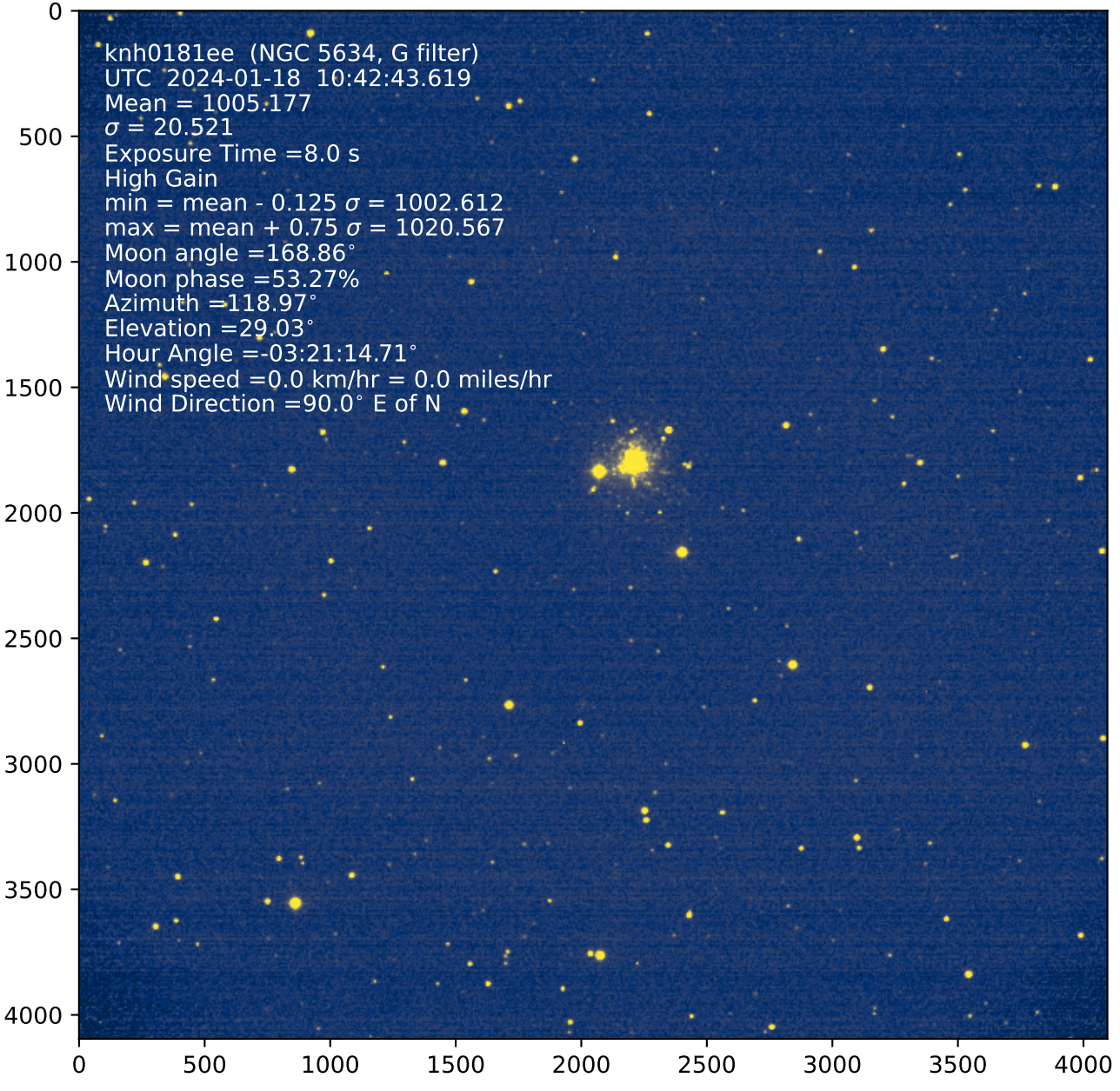
knh0181ee (NGC 5634, G filter)
UTC 2024-01-18 10:42:43.619
Mean = 1005.177
σ = 20.521
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.612
max = mean + 0.75 σ = 1020.567
Moon angle =168.86°
Moon phase =53.27%
Azimuth =118.97°
Elevation =29.03°
Hour Angle =-03:21:14.71°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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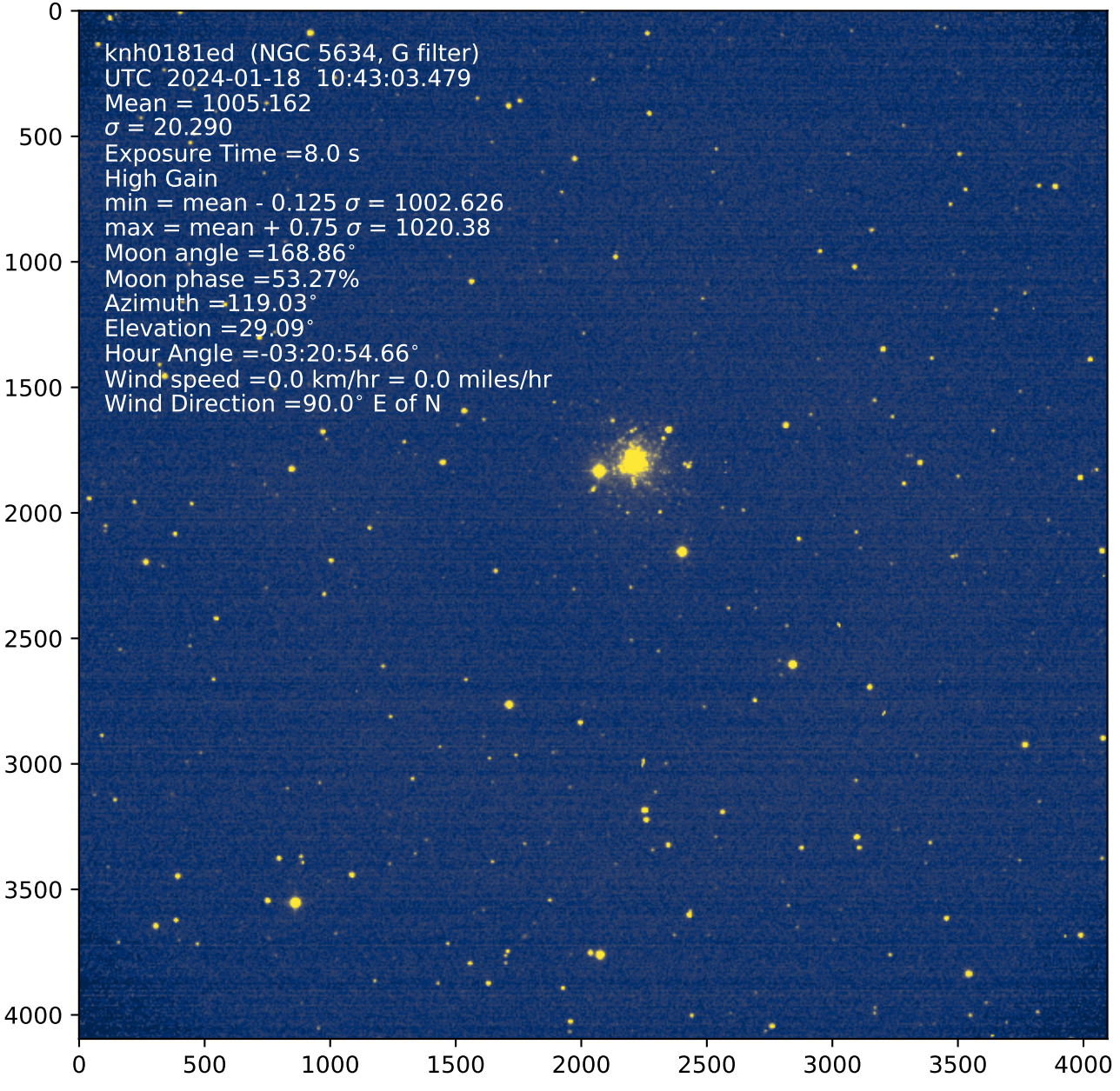
knh0181ed (NGC 5634, G filter)
UTC 2024-01-18 10:43:03.479
Mean = 1005.162
σ = 20.290
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.626
max = mean + 0.75 σ = 1020.38
Moon angle =168.86˚
Moon phase =53.27%
Azimuth =119.03˚
Elevation =29.09˚
Hour Angle =-03:20:54.66˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
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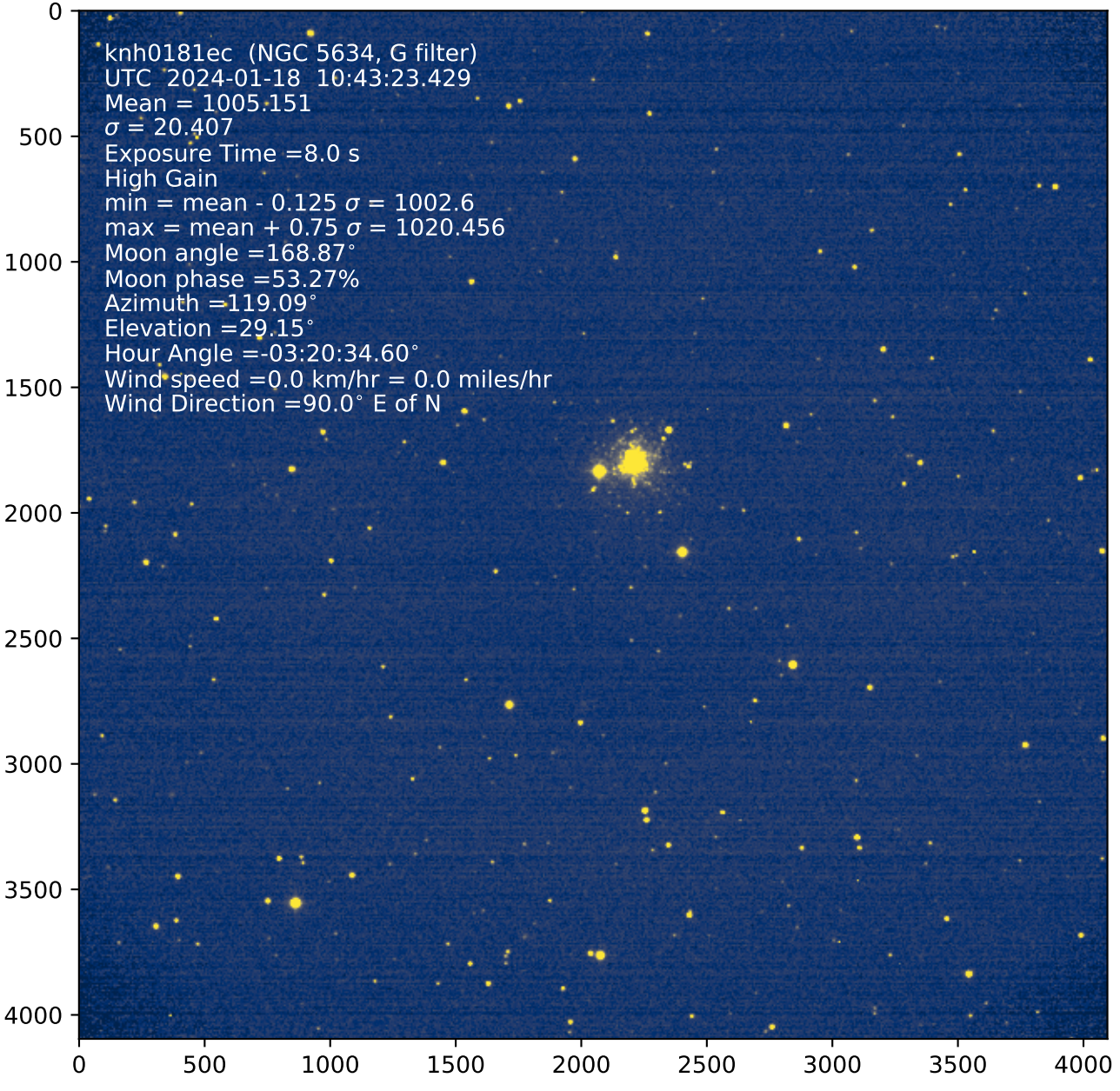
knh0181ec (NGC 5634, G filter)
UTC 2024-01-18 10:43:23.429
Mean = 1005.151
σ = 20.407
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.6
max = mean + 0.75 σ = 1020.456
Moon angle =168.87°
Moon phase =53.27%
Azimuth =119.09°
Elevation =29.15°
Hour Angle =-03:20:34.60°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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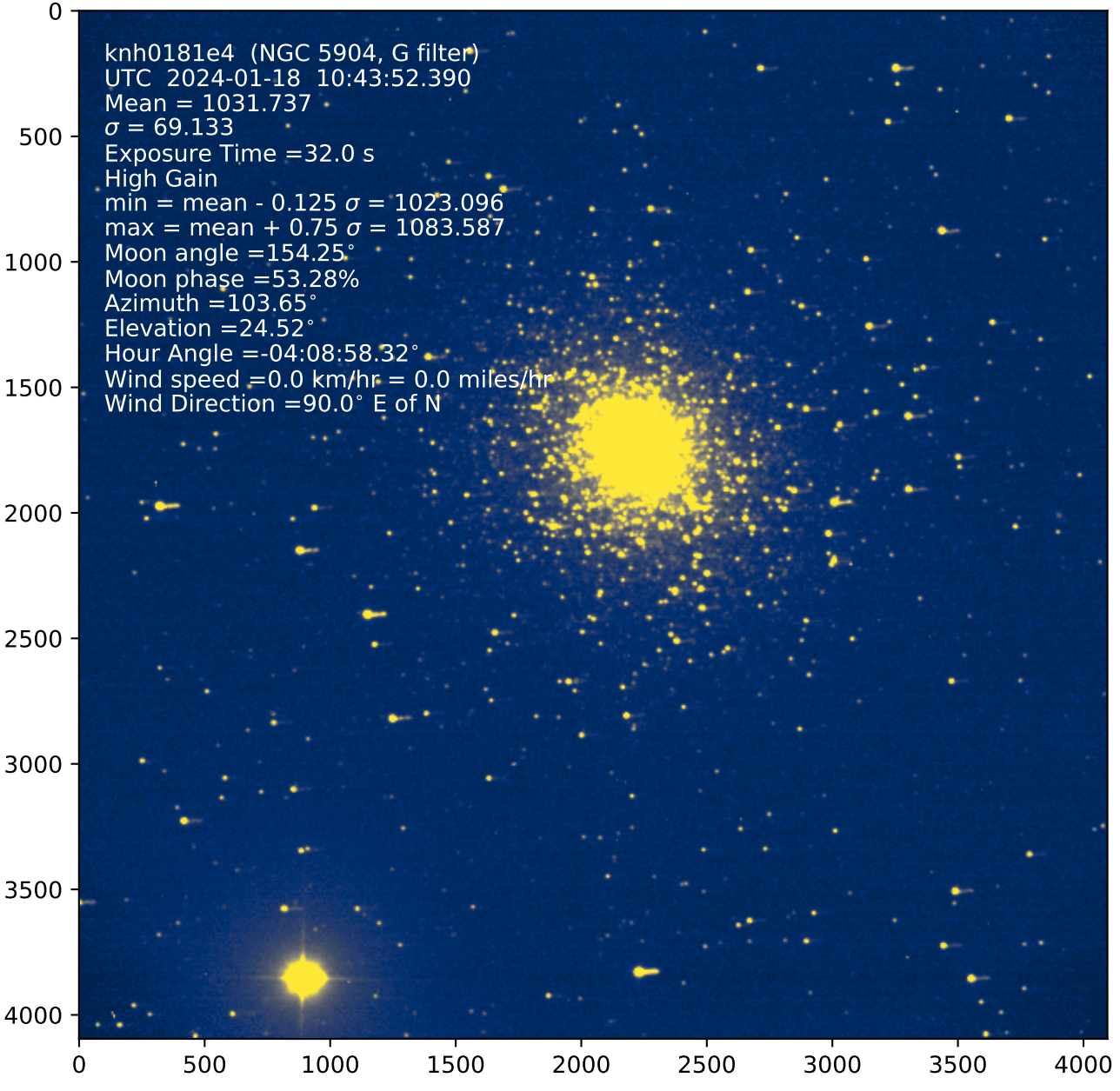
knh0181e4 (NGC 5904, G filter)
UTC 2024-01-18 10:43:52.390
Mean = 1031.737
σ = 69.133
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.096
max = mean + 0.75 σ = 1083.587
Moon angle =154.25°
Moon phase =53.28%
Azimuth =103.65°
Elevation =24.52°
Hour Angle =-04:08:58.32°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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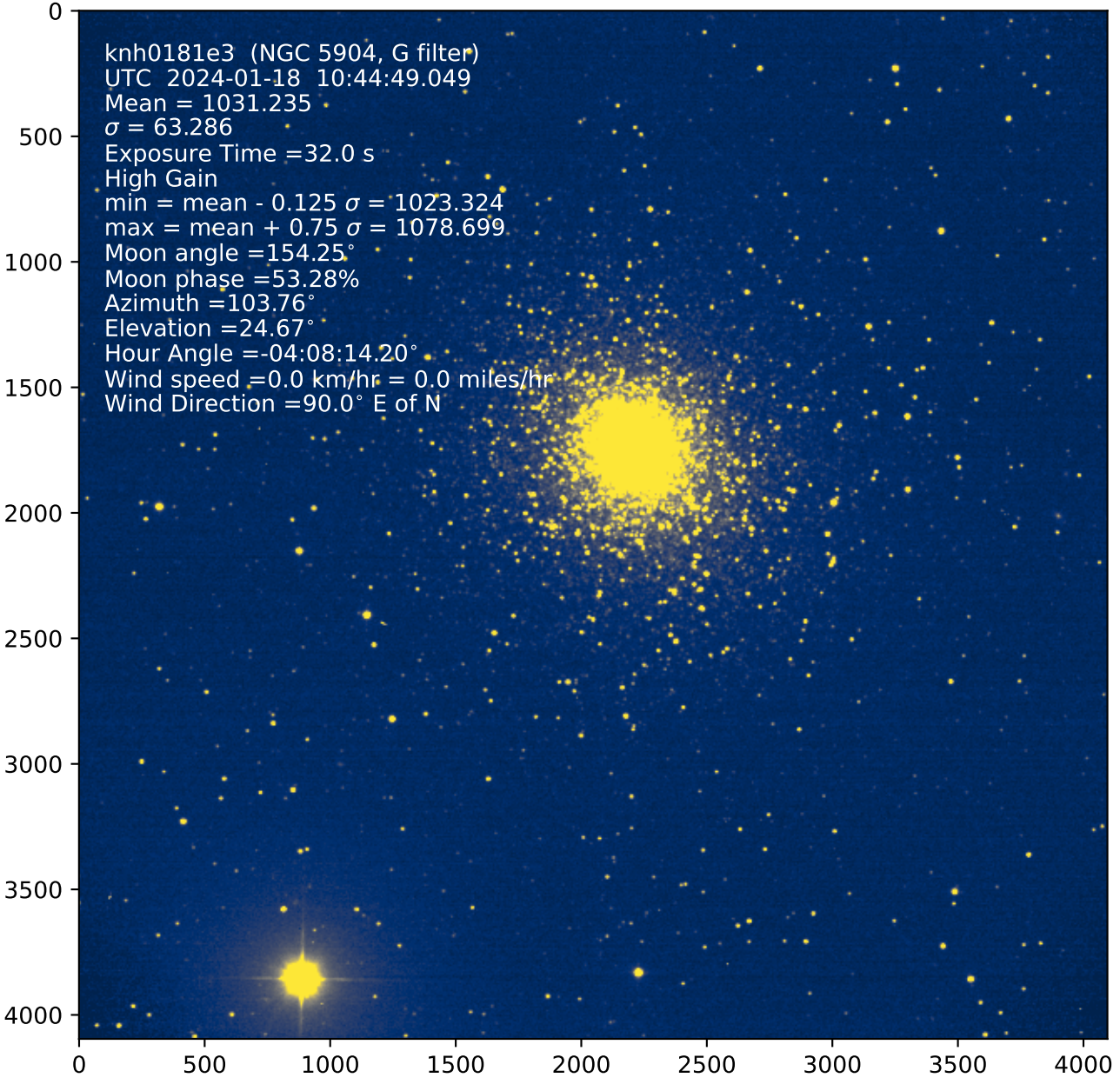
knh0181e3 (NGC 5904, G filter)
UTC 2024-01-18 10:44:49.049
Mean = 1031.235
σ = 63.286
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.324
max = mean + 0.75 σ = 1078.699
Moon angle =154.25°
Moon phase =53.28%
Azimuth =103.76°
Elevation =24.67°
Hour Angle =-04:08:14.20°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
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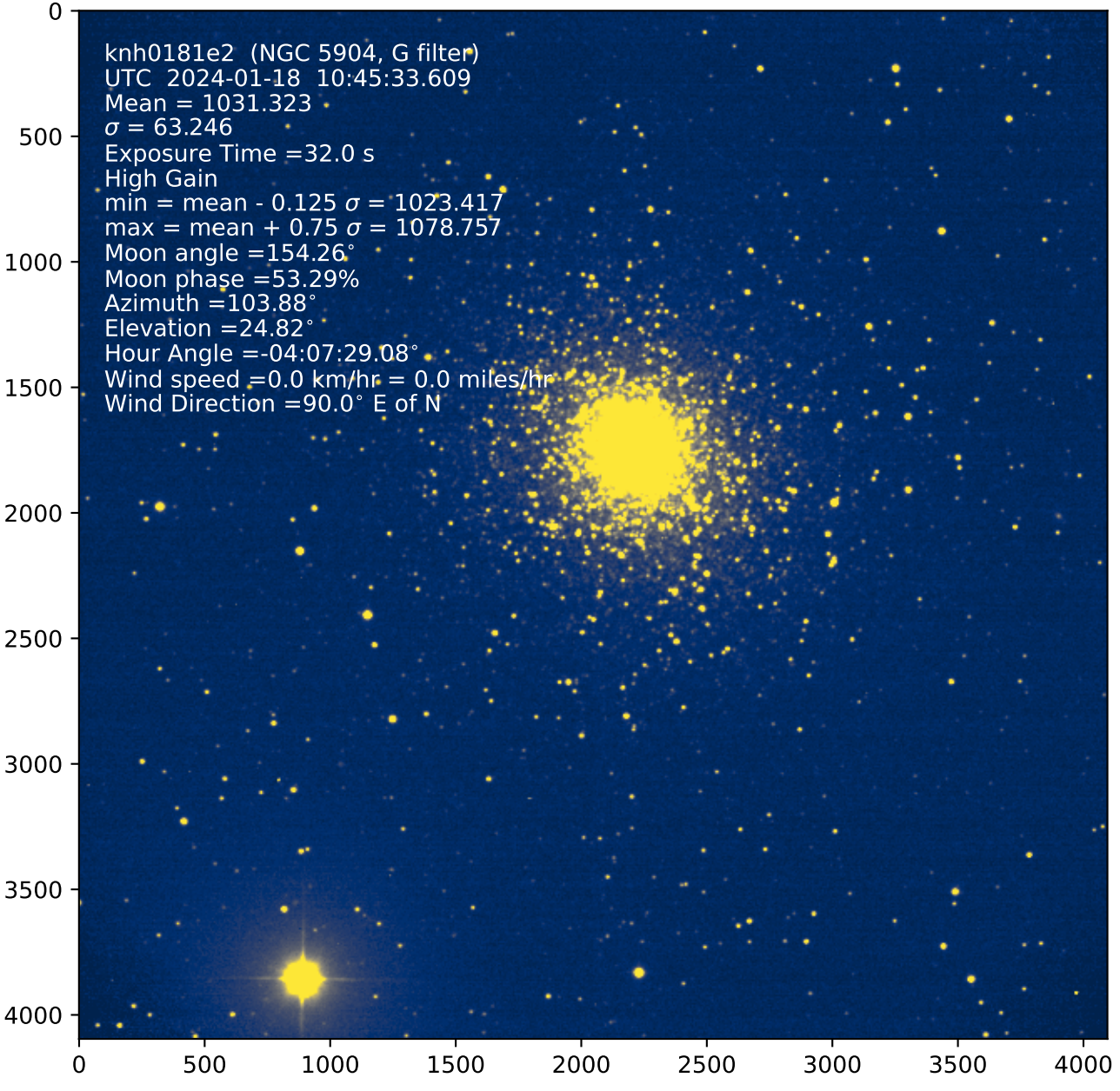
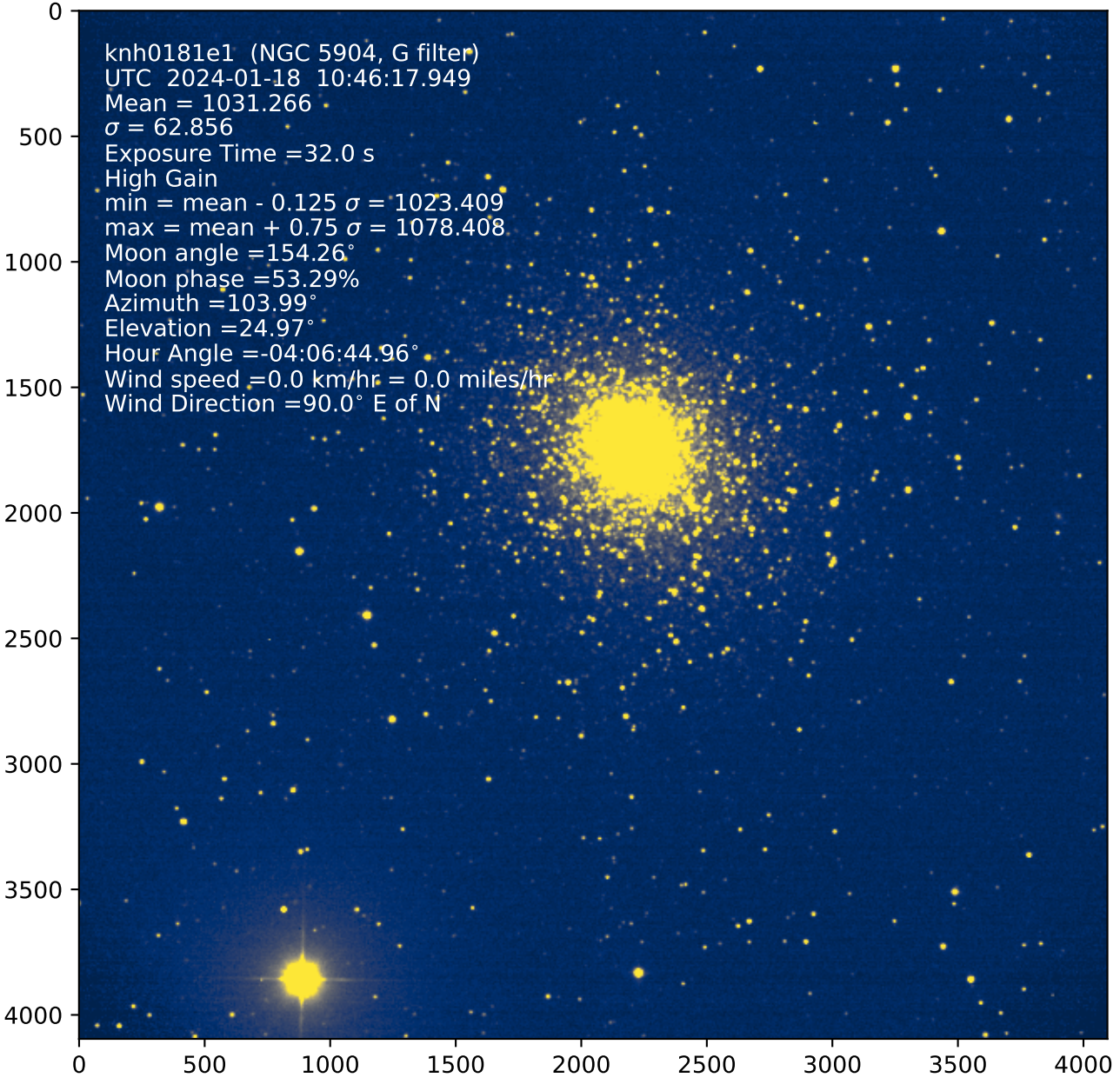
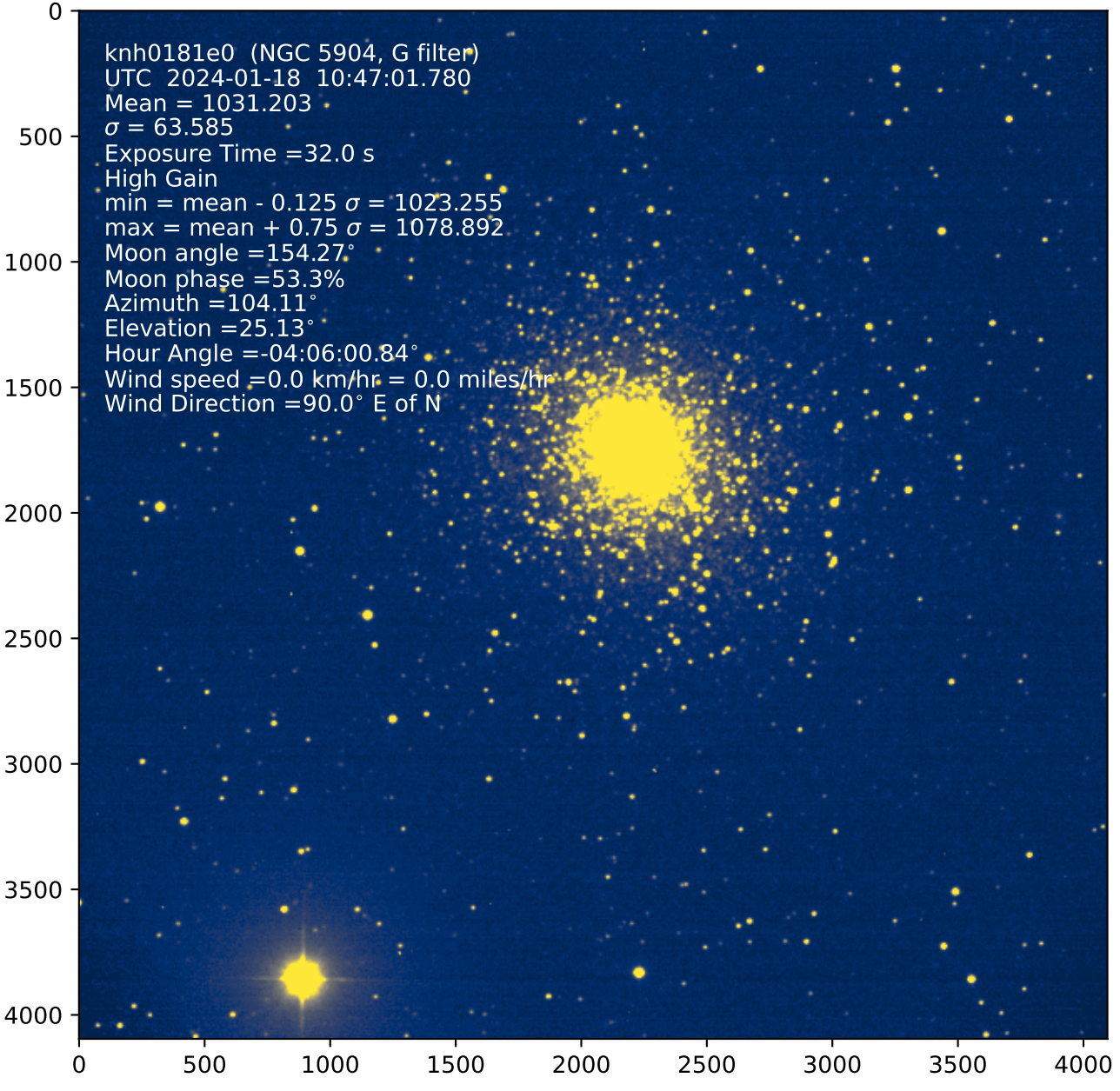
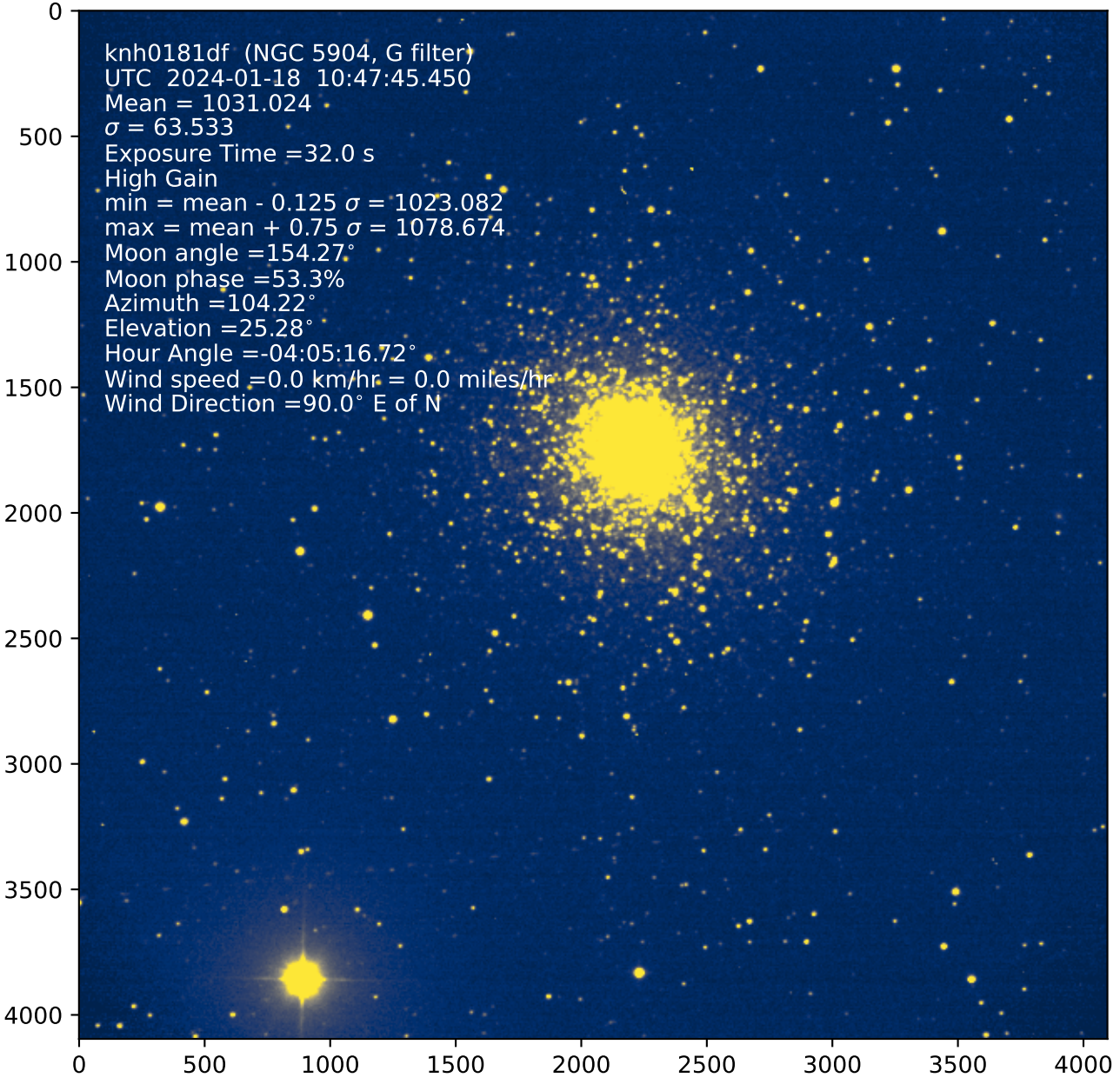
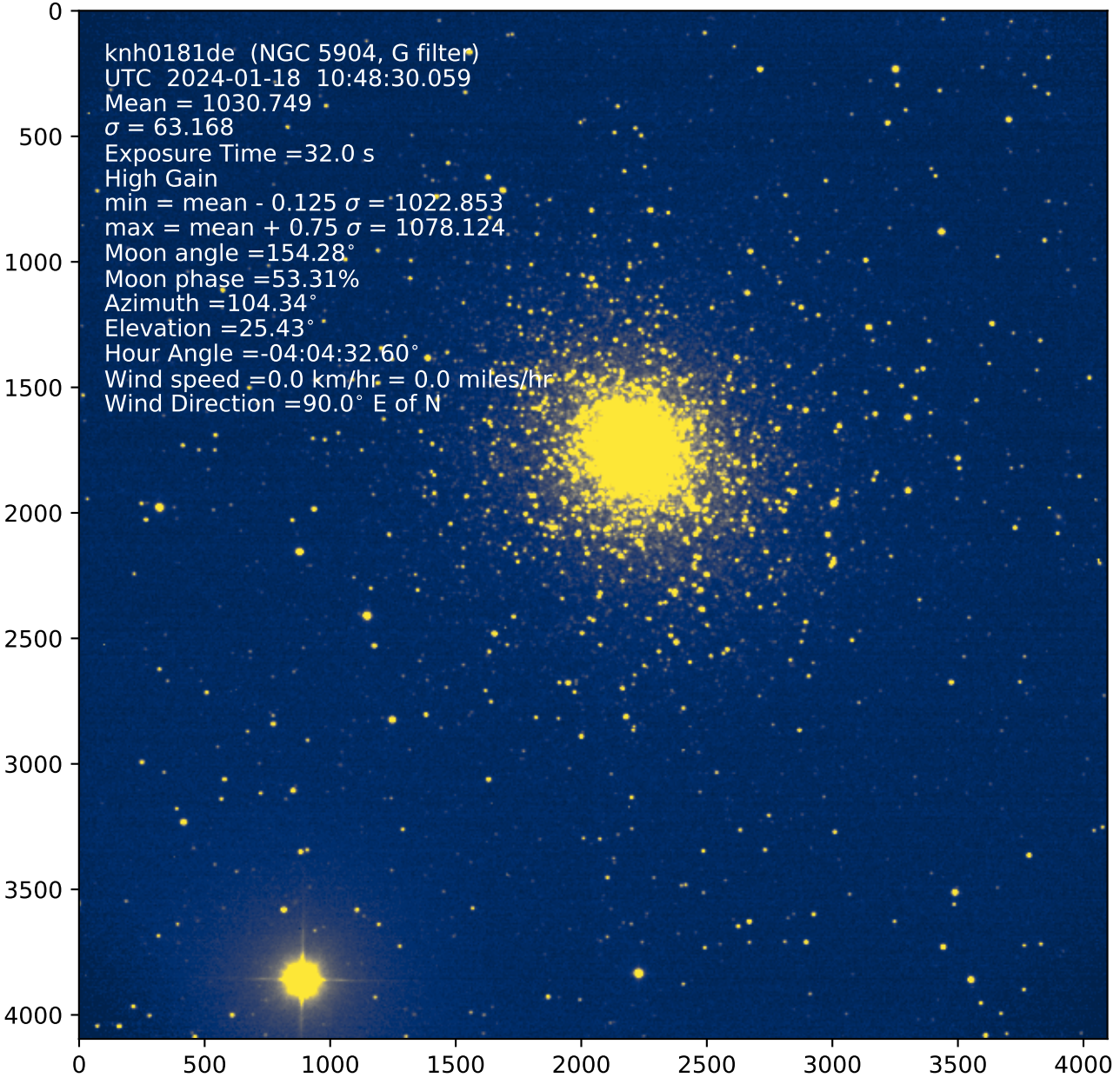
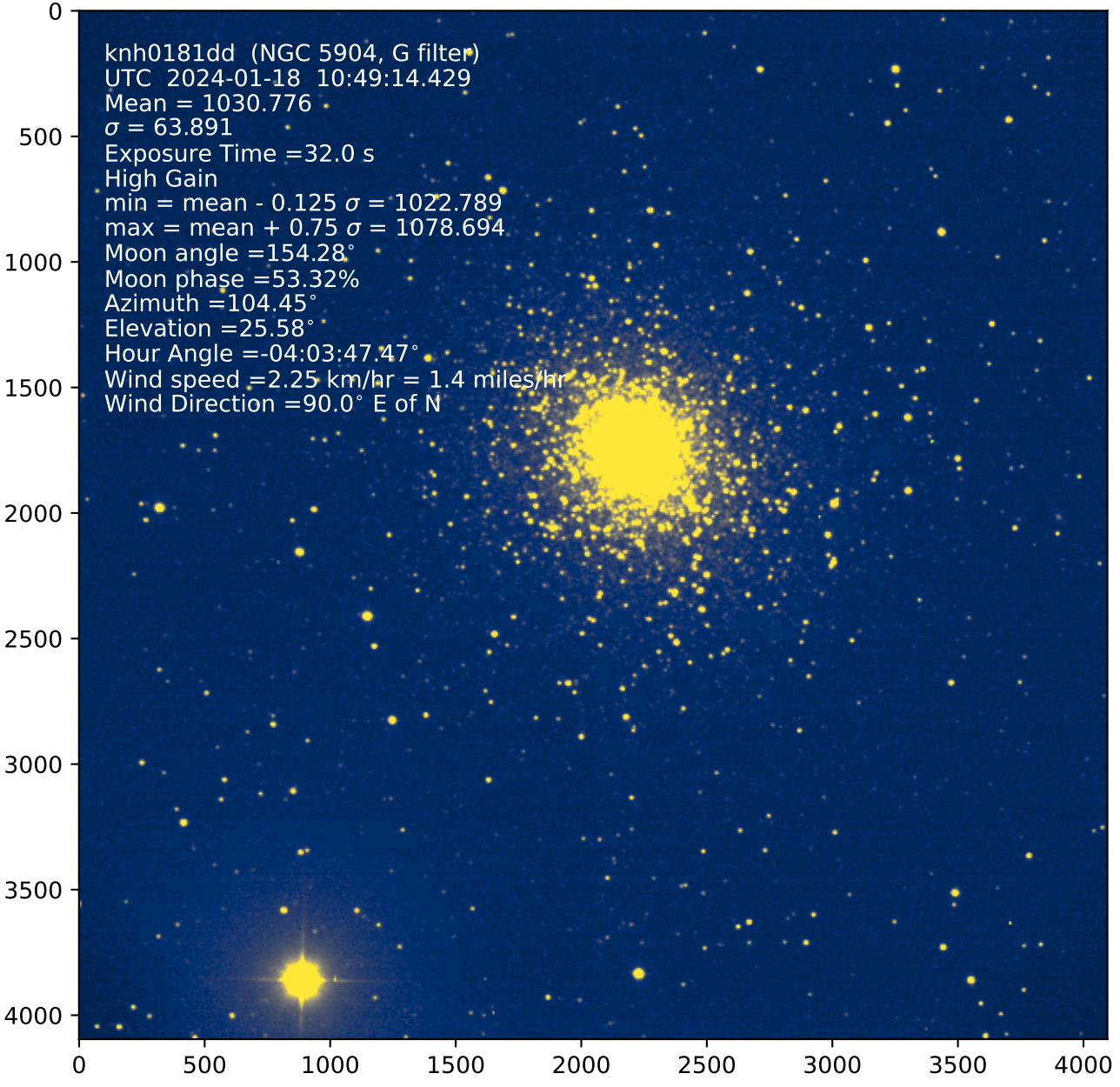

knh0181e2 (NGC 5904, G filter)
UTC 2024-01-18 10:45:33.609
Mean = 1031.323
σ = 63.246
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.417
max = mean + 0.75 σ = 1078.757
Moon angle =154.26°
Moon phase =53.29%
Azimuth =103.88°
Elevation =24.82°
Hour Angle =-04:07:29.08°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

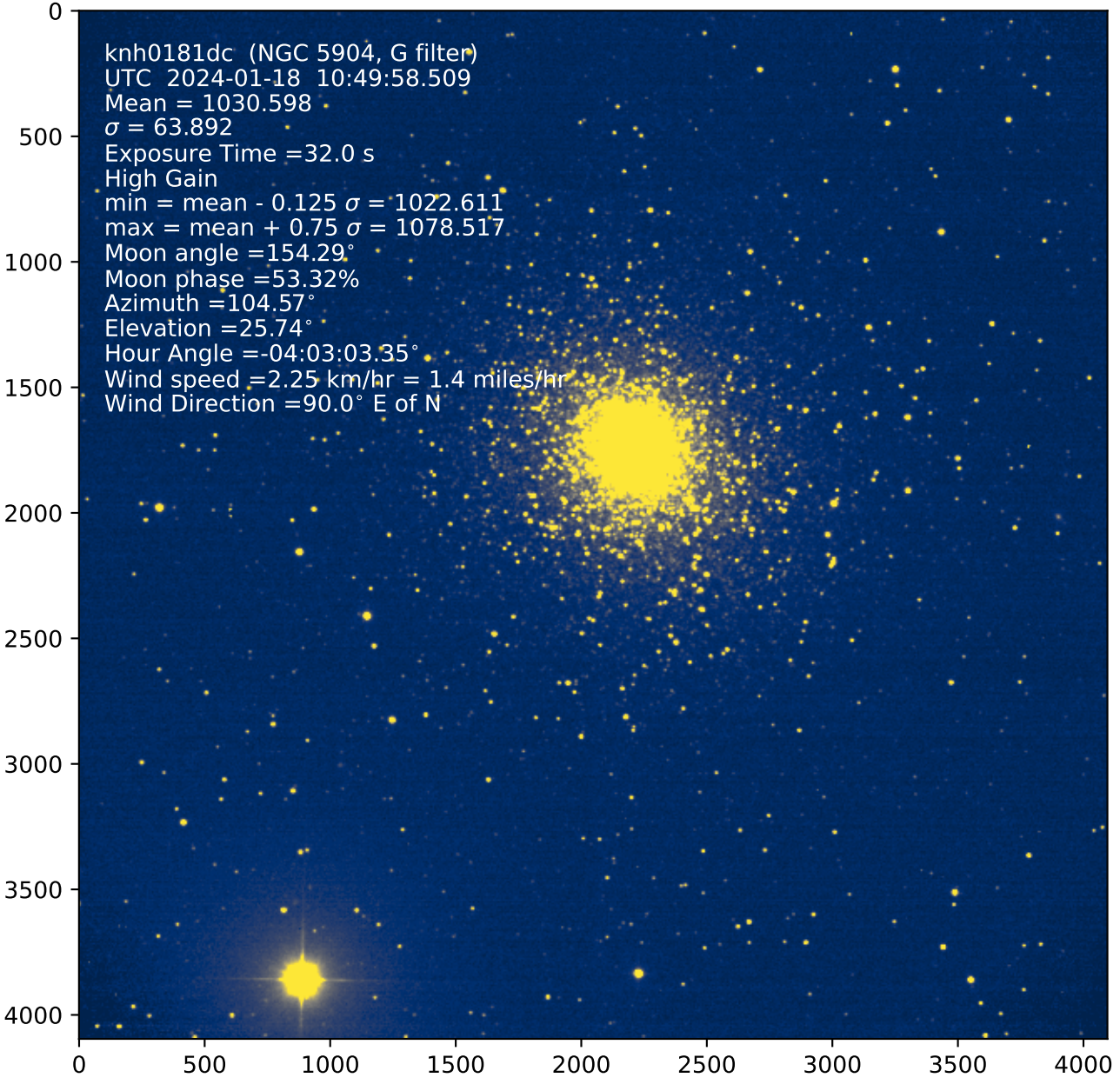

knh0181e1 (NGC 5904, G filter)
UTC 2024-01-18 10:46:17.949
Mean = 1031.266
σ = 62.856
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.409
max = mean + 0.75 σ = 1078.408
Moon angle =154.26°
Moon phase =53.29%
Azimuth =103.99°
Elevation =24.97°
Hour Angle =-04:06:44.96°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

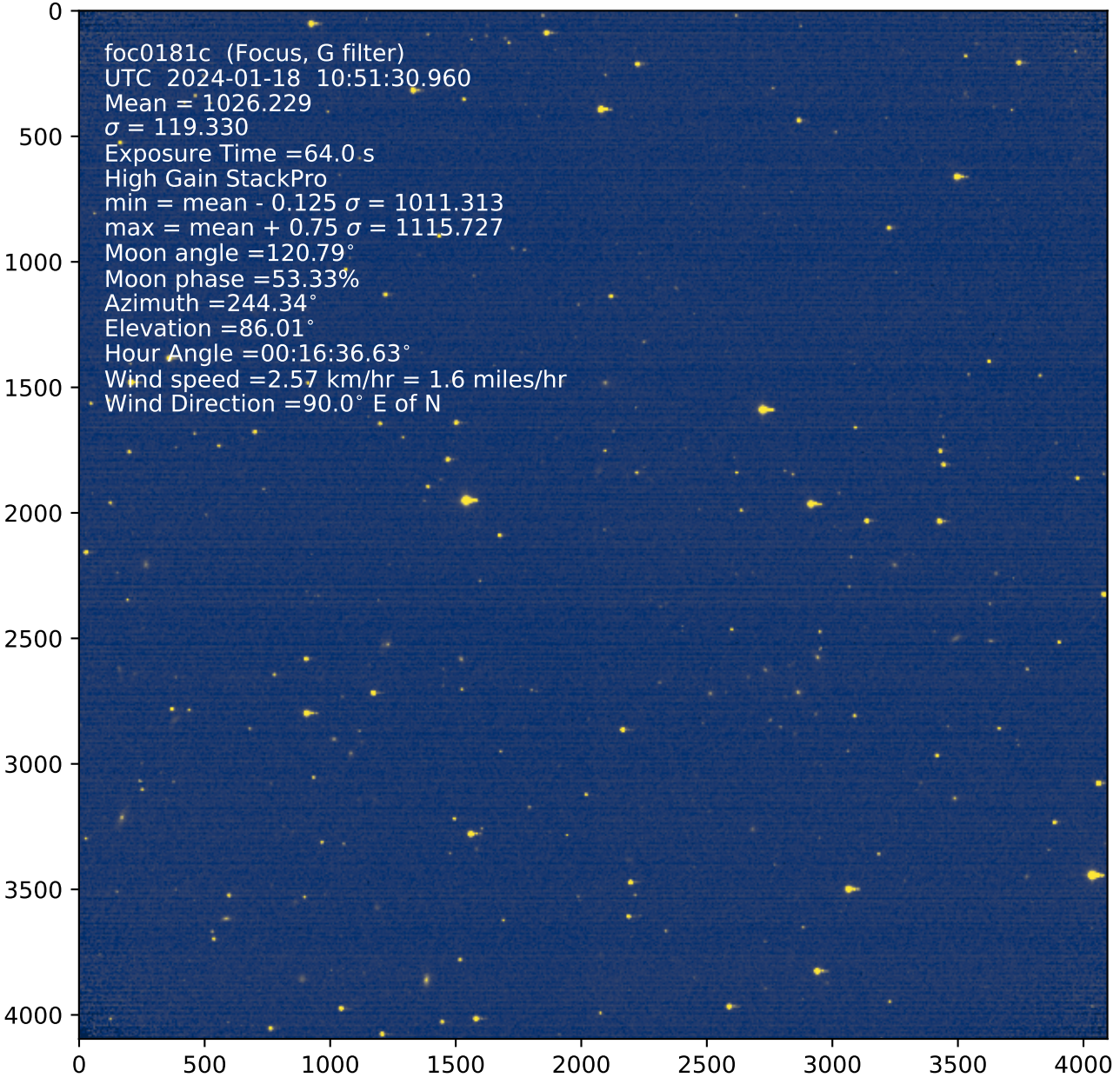

knh0181e0 (NGC 5904, G filter)
UTC 2024-01-18 10:47:01.780
Mean = 1031.203
σ = 63.585
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.255
max = mean + 0.75 σ = 1078.892
Moon angle =154.27°
Moon phase =53.3%
Azimuth =104.11°
Elevation =25.13°
Hour Angle =-04:06:00.84°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh0181df (NGC 5904, G filter)
UTC 2024-01-18 10:47:45.450
Mean = 1031.024
σ = 63.533
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.082
max = mean + 0.75 σ = 1078.674
Moon angle =154.27°
Moon phase =53.3%
Azimuth =104.22°
Elevation =25.28°
Hour Angle =-04:05:16.72°
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


knh0181de (NGC 5904, G filter)
UTC 2024-01-18 10:48:30.059
Mean = 1030.749
σ = 63.168
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1022.853
max = mean + 0.75 σ = 1078.124
Moon angle =154.28°
Moon phase =53.31%
Azimuth =104.34°
Elevation =25.43°
Hour Angle =-04:04:32.60°
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


knh0181dd (NGC 5904, G filter)
UTC 2024-01-18 10:49:14.429
Mean = 1030.776
σ = 63.891
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1022.789
max = mean + 0.75 σ = 1078.694
Moon angle =154.28°
Moon phase =53.32%
Azimuth =104.45°
Elevation =25.58°
Hour Angle =-04:03:47.47°
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


knh0181dc (NGC 5904, G filter)
UTC 2024-01-18 10:49:58.509
Mean = 1030.598
σ = 63.892
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1022.611
max = mean + 0.75 σ = 1078.517
Moon angle =154.29°
Moon phase =53.32%
Azimuth =104.57°
Elevation =25.74°
Hour Angle =-04:03:03.35°
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


foc0181c (Focus, G filter)
UTC 2024-01-18 10:51:30.960
Mean = 1026.229
σ = 119.330
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1011.313
max = mean + 0.75 σ = 1115.727
Moon angle =120.79°
Moon phase =53.33%
Azimuth =244.34°
Elevation =86.01°
Hour Angle =00:16:36.63°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =90.0° E of N
0
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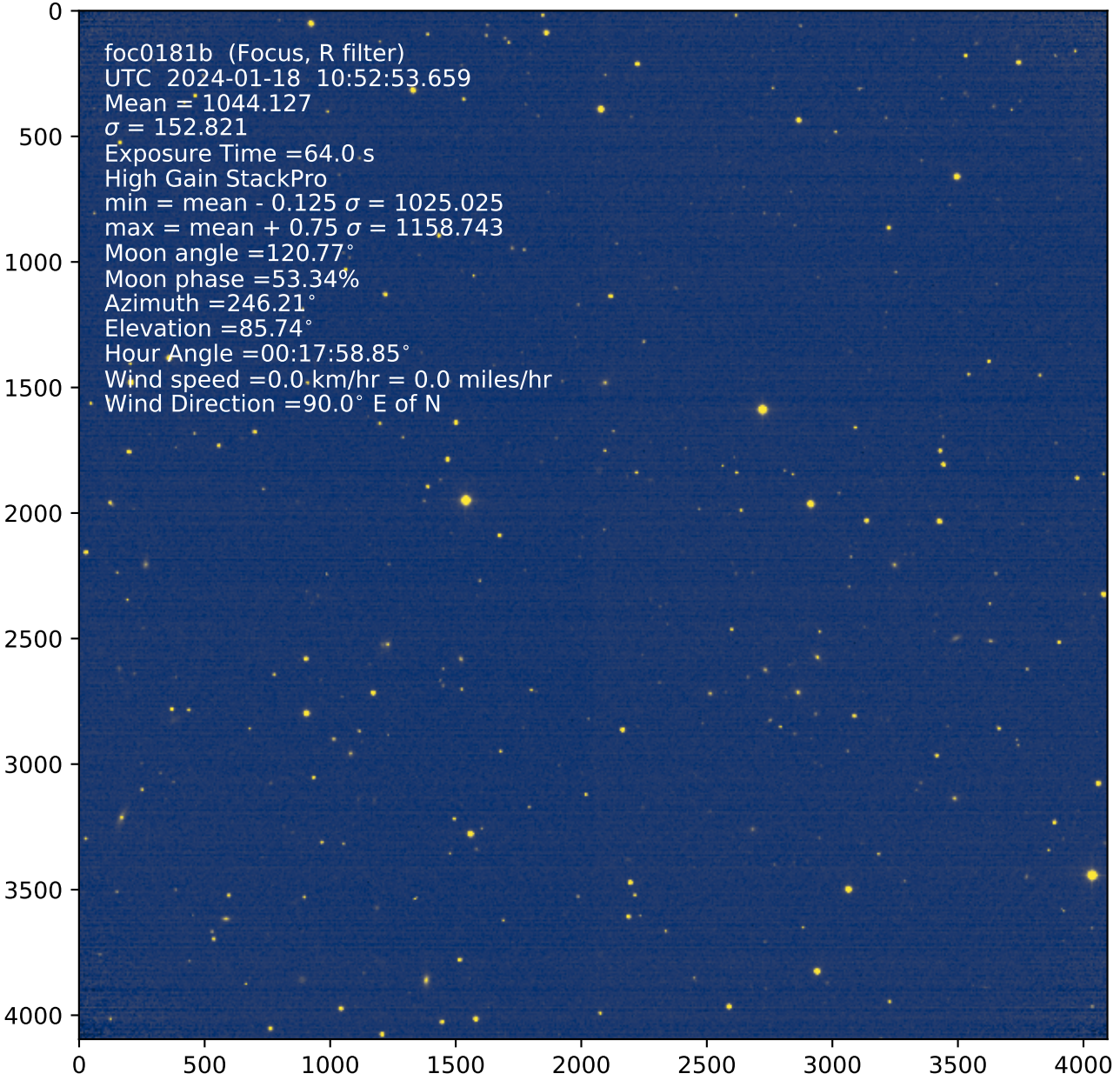
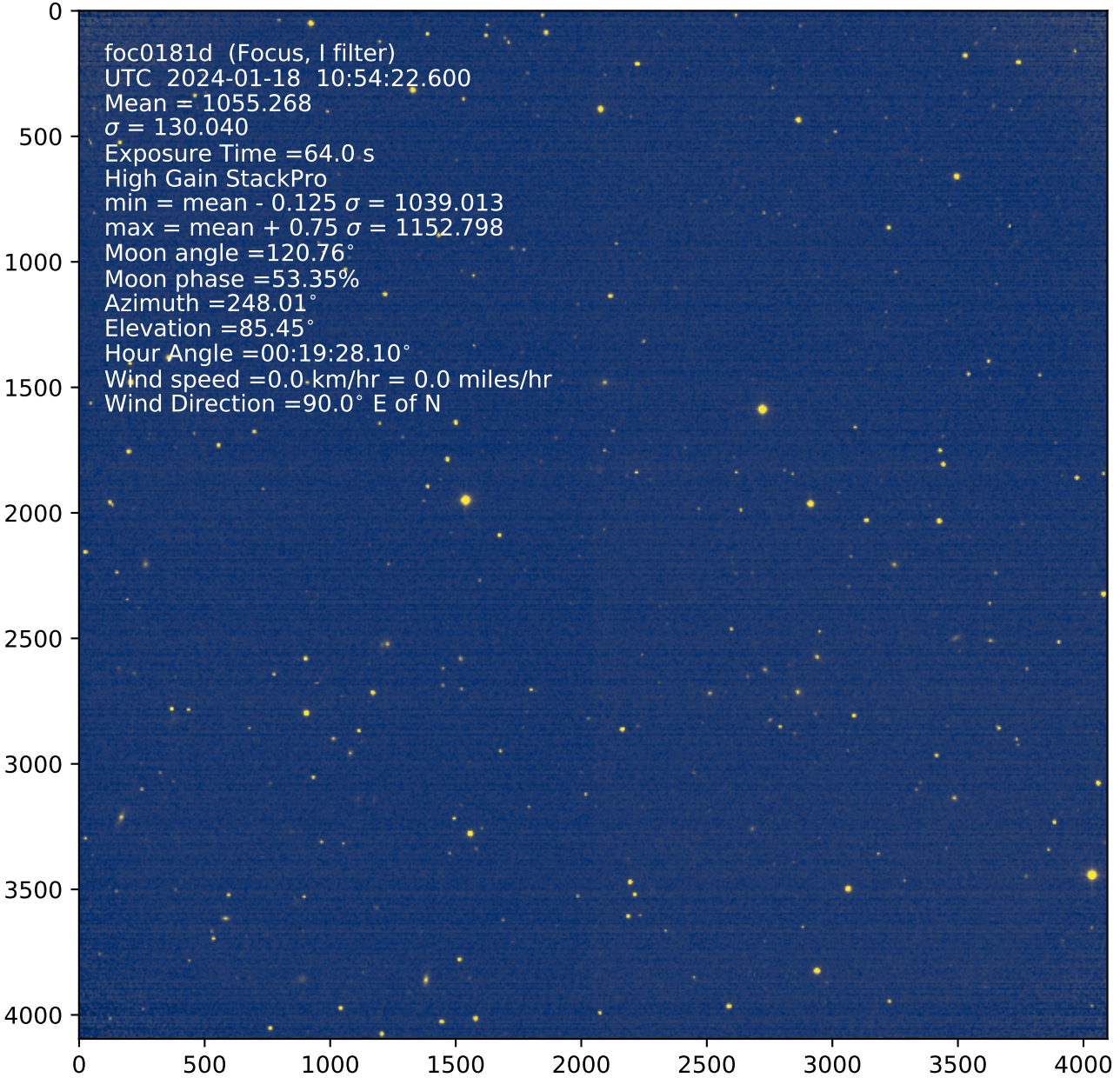
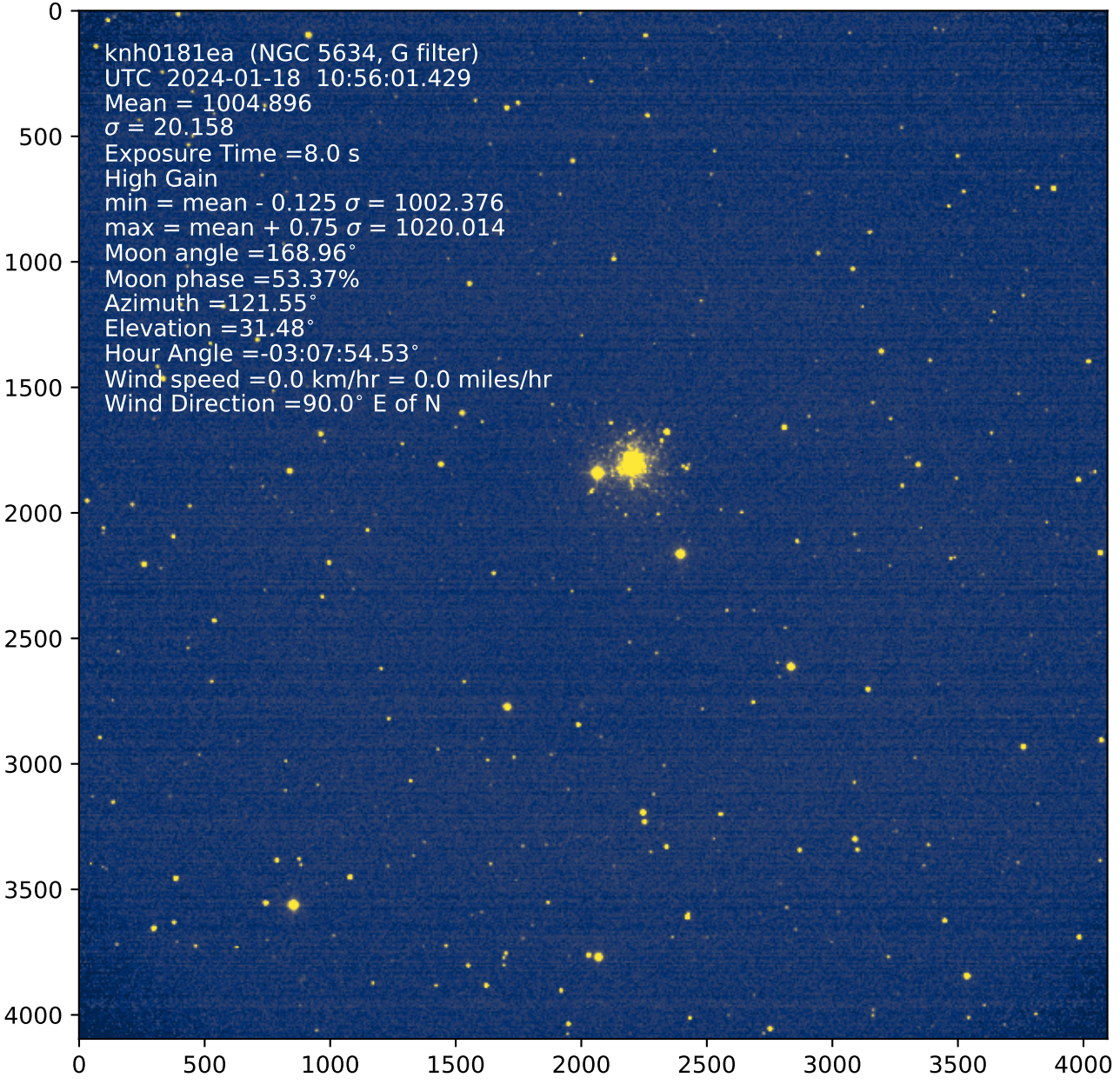
1500
2000
2500
3000
3500
4000


foc0181b (Focus, R filter)
UTC 2024-01-18 10:52:53.659
Mean = 1044.127
σ = 152.821
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1025.025
max = mean + 0.75 σ = 1158.743
Moon angle =120.77°
Moon phase =53.34%
Azimuth =246.21°
Elevation =85.74°
Hour Angle =00:17:58.85°
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


foc0181d (Focus, I filter)
UTC 2024-01-18 10:54:22.600
Mean = 1055.268
σ = 130.040
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1039.013
max = mean + 0.75 σ = 1152.798
Moon angle =120.76°
Moon phase =53.35%
Azimuth =248.01°
Elevation =85.45°
Hour Angle =00:19:28.10°
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


knh0181ea (NGC 5634, G filter)
UTC 2024-01-18 10:56:01.429
Mean = 1004.896
σ = 20.158
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.376
max = mean + 0.75 σ = 1020.014
Moon angle =168.96˚
Moon phase =53.37%
Azimuth =121.55˚
Elevation =31.48˚
Hour Angle =-03:07:54.53˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
0
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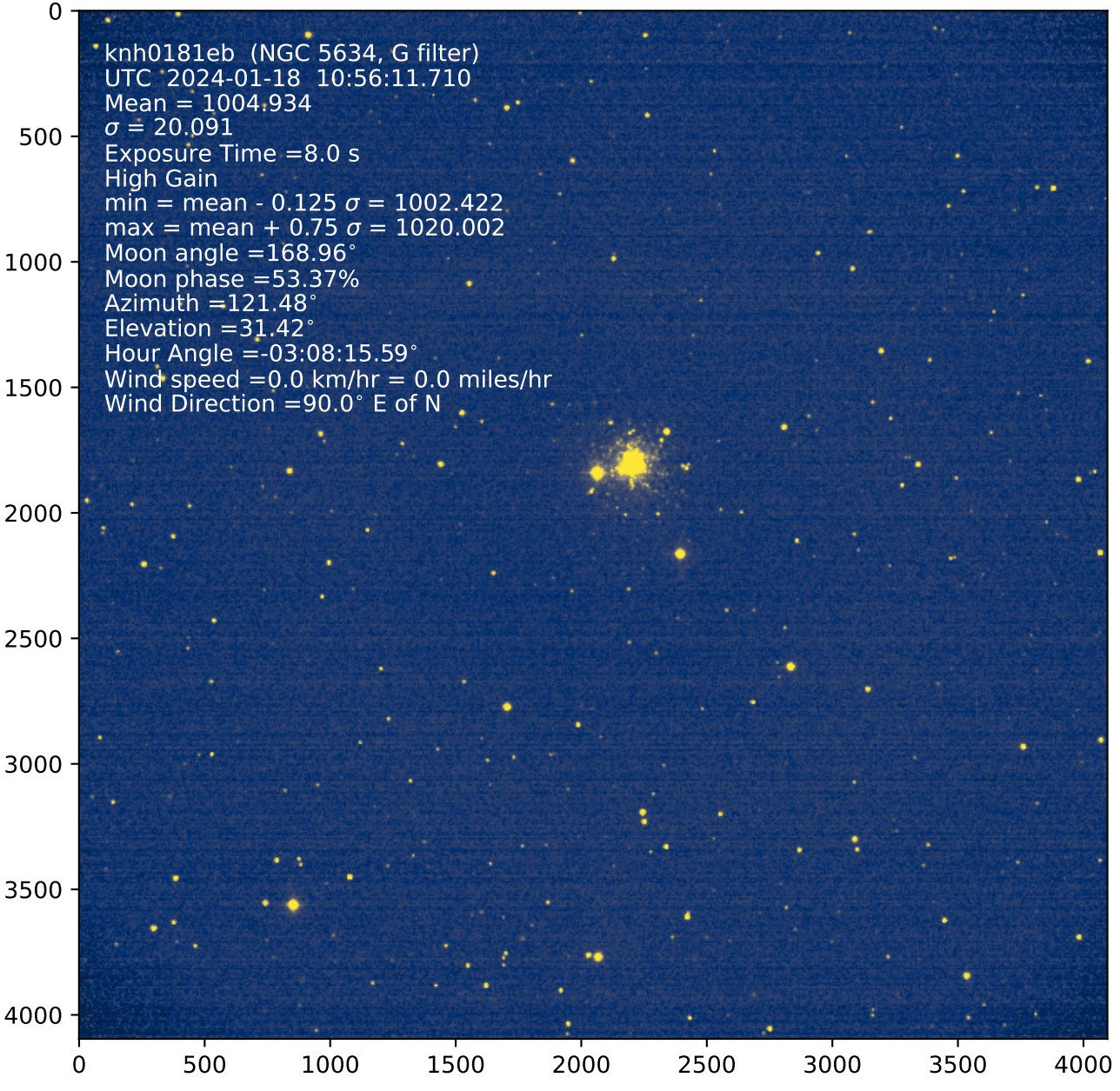
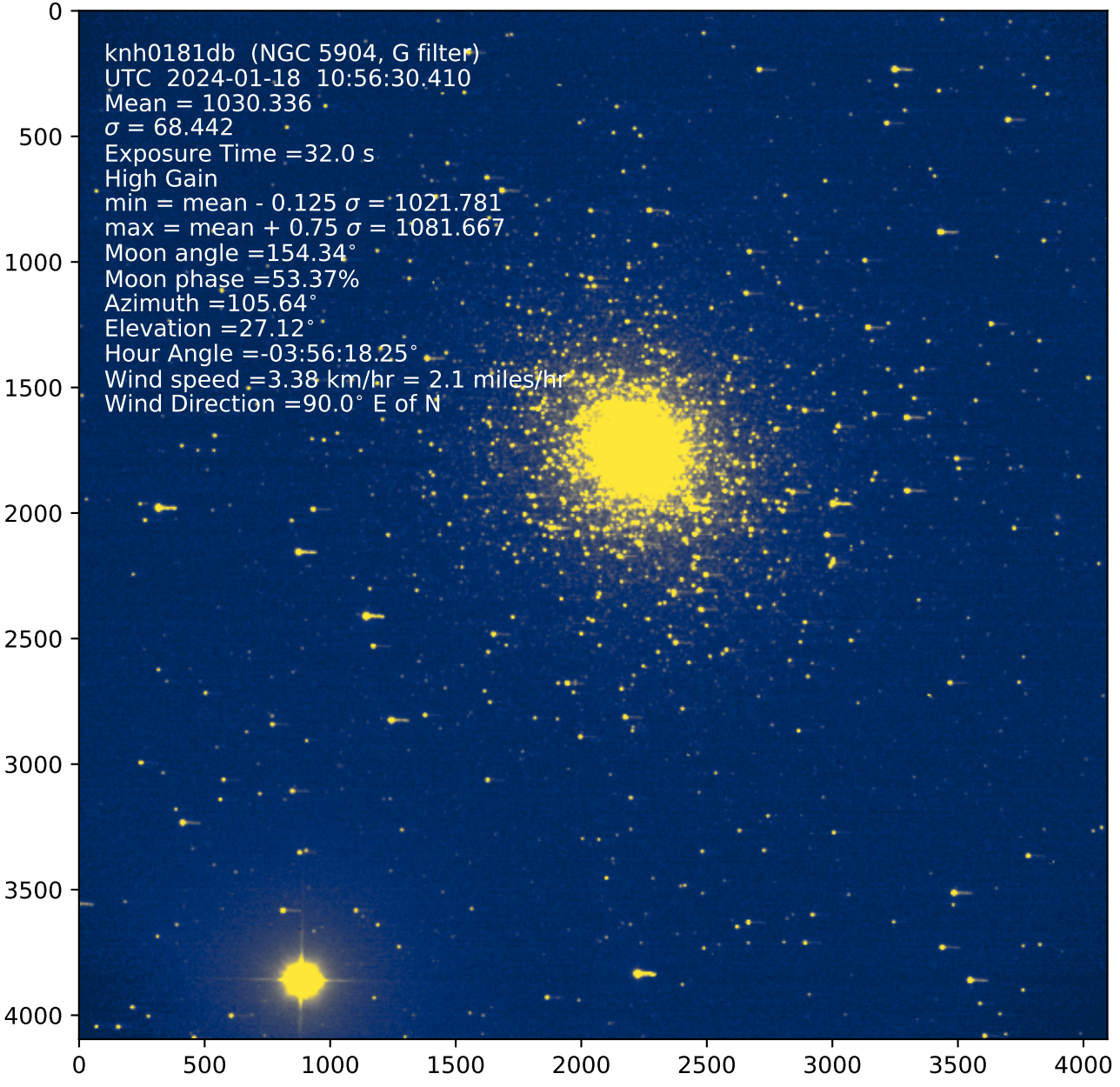
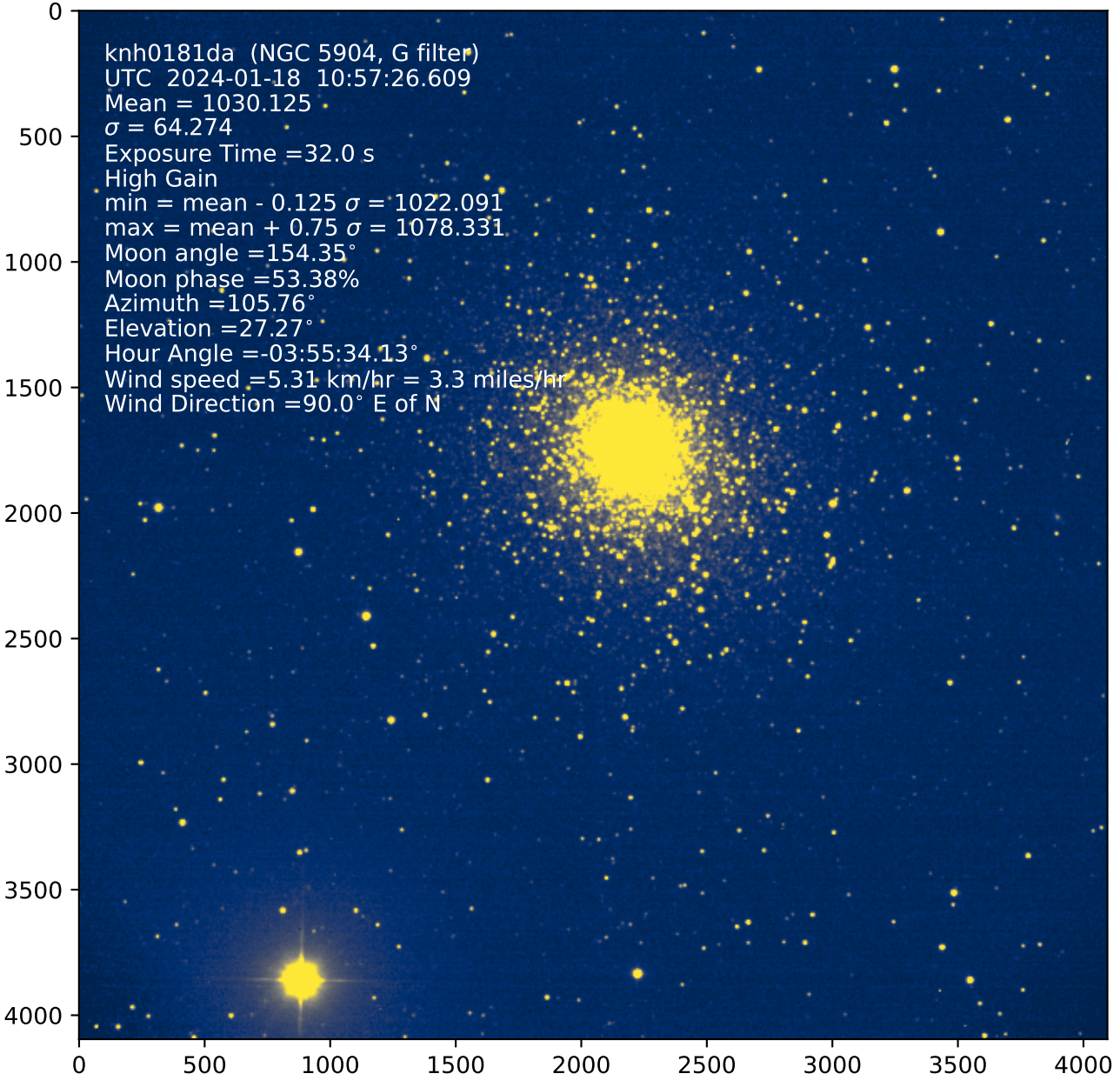
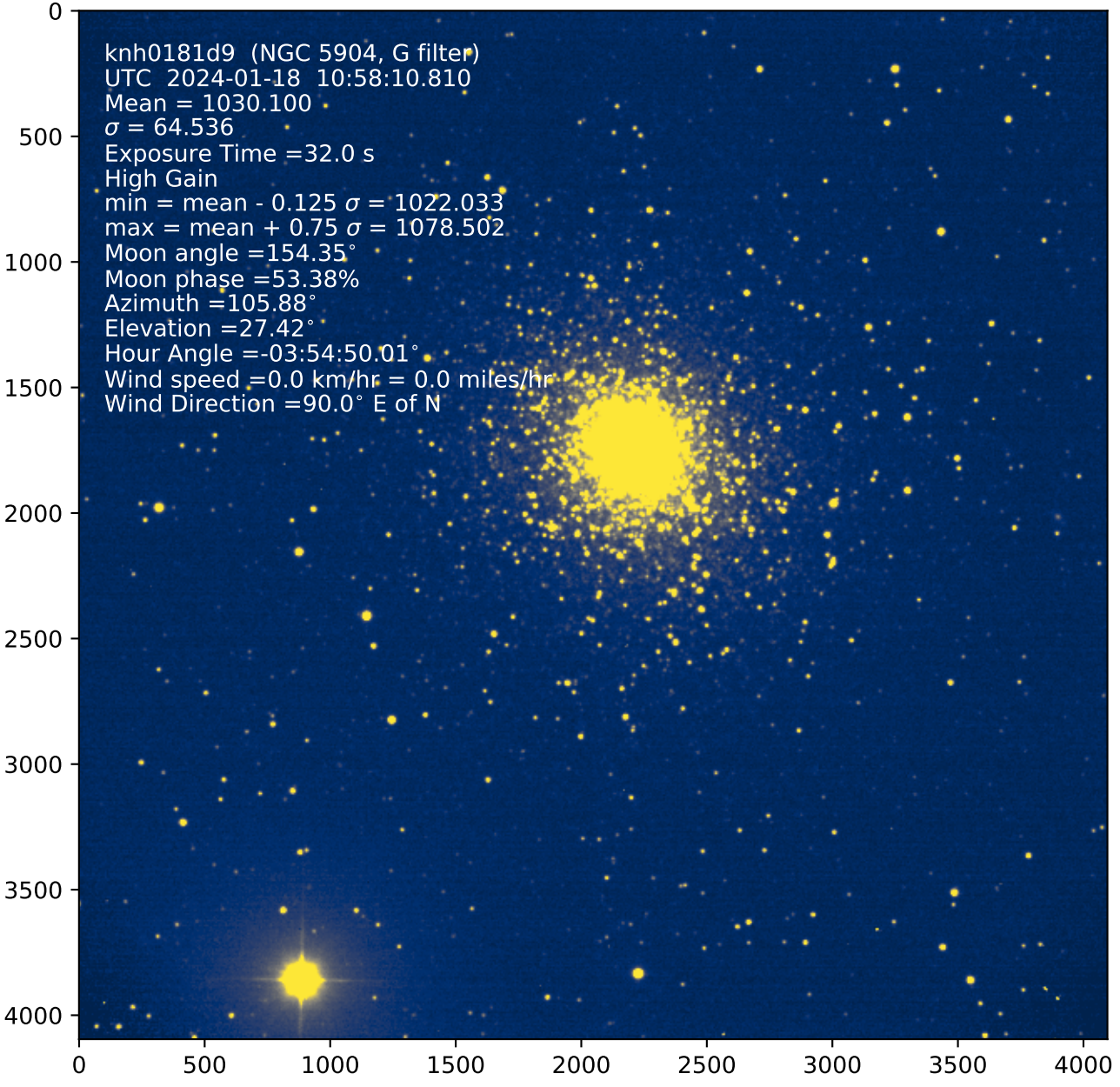
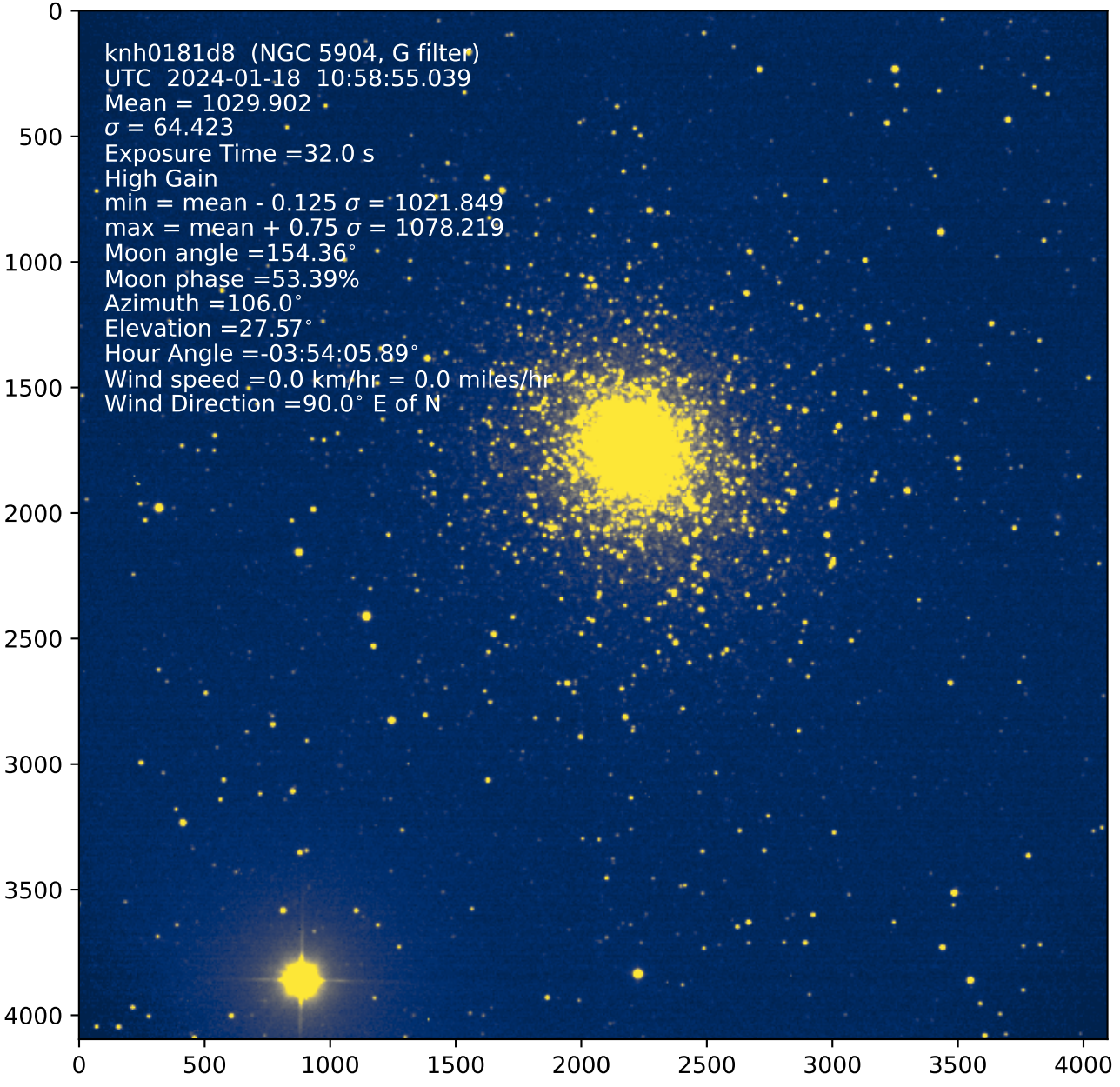
2500
3000
3500
4000

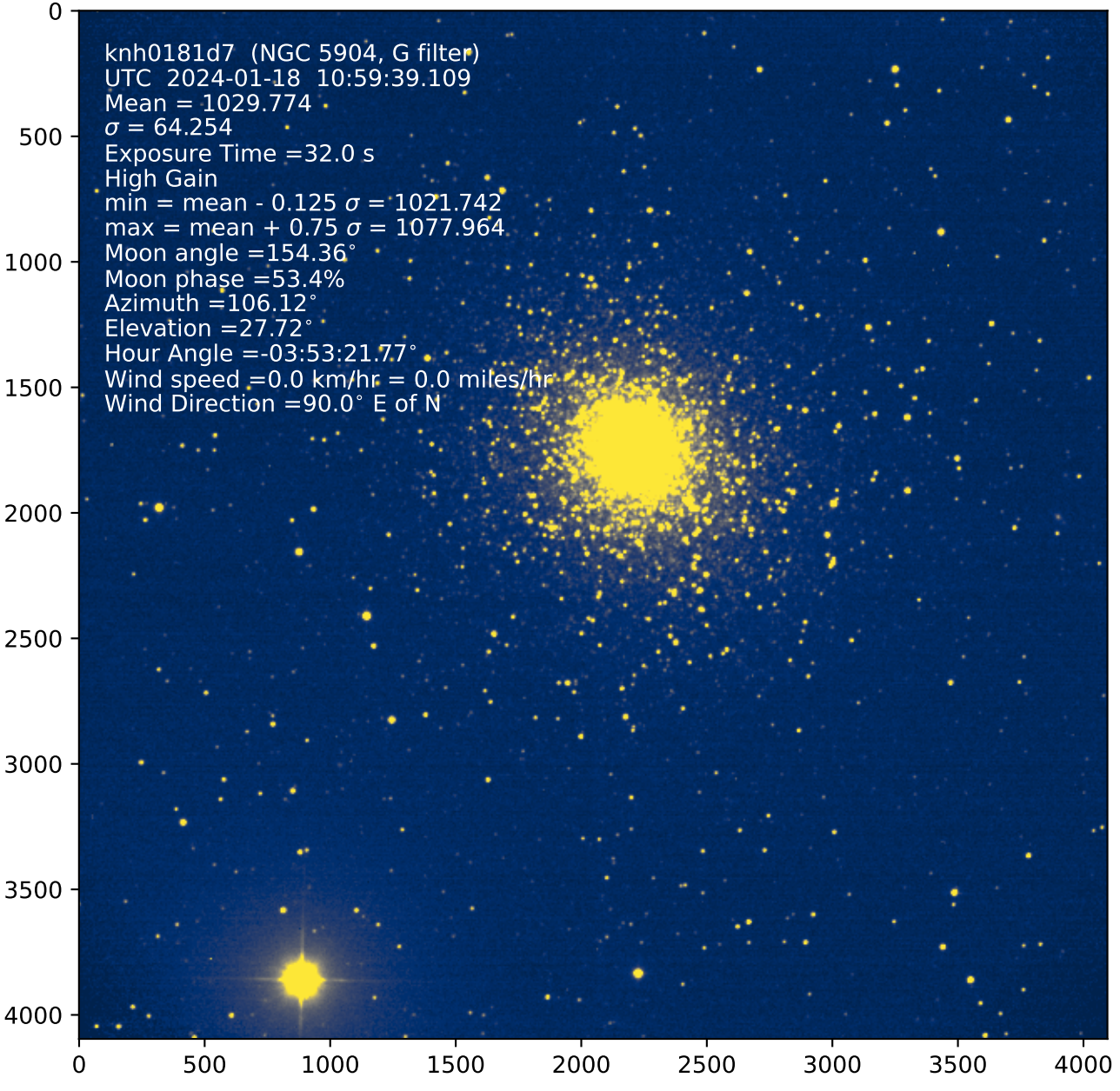

knh0181eb (NGC 5634, G filter)
UTC 2024-01-18 10:56:11.710
Mean = 1004.934
σ = 20.091
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.422
max = mean + 0.75 σ = 1020.002
Moon angle =168.96°
Moon phase =53.37%
Azimuth =121.48°
Elevation =31.42°
Hour Angle =-03:08:15.59°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

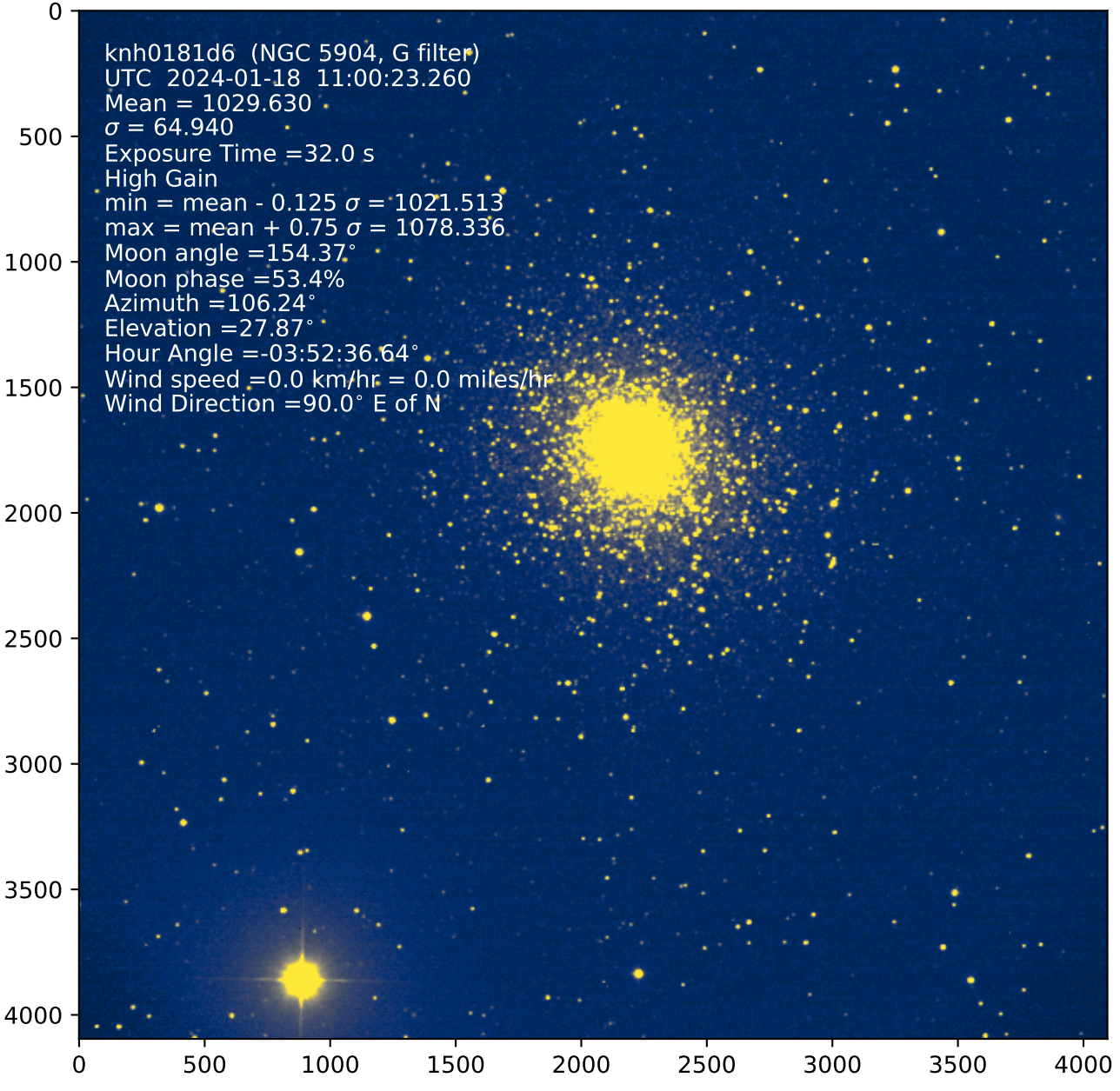

knh0181db (NGC 5904, G filter)
UTC 2024-01-18 10:56:30.410
Mean = 1030.336
σ = 68.442
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.781
max = mean + 0.75 σ = 1081.667
Moon angle =154.34°
Moon phase =53.37%
Azimuth =105.64°
Elevation =27.12°
Hour Angle =-03:56:18.25°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh0181da (NGC 5904, G filter)
UTC 2024-01-18 10:57:26.609
Mean = 1030.125
σ = 64.274
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1022.091
max = mean + 0.75 σ = 1078.331
Moon angle =154.35°
Moon phase =53.38%
Azimuth =105.76°
Elevation =27.27°
Hour Angle =-03:55:34.13°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh0181d9 (NGC 5904, G filter)
UTC 2024-01-18 10:58:10.810
Mean = 1030.100
σ = 64.536
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1022.033
max = mean + 0.75 σ = 1078.502
Moon angle =154.35°
Moon phase =53.38%
Azimuth =105.88°
Elevation =27.42°
Hour Angle =-03:54:50.01°
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


knh0181d8 (NGC 5904, G filter)
UTC 2024-01-18 10:58:55.039
Mean = 1029.902
σ = 64.423
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.849
max = mean + 0.75 σ = 1078.219
Moon angle =154.36°
Moon phase =53.39%
Azimuth =106.0°
Elevation =27.57°
Hour Angle =-03:54:05.89°
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


knh0181d7 (NGC 5904, G filter)
UTC 2024-01-18 10:59:39.109
Mean = 1029.774
σ = 64.254
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.742
max = mean + 0.75 σ = 1077.964
Moon angle =154.36°
Moon phase =53.4%
Azimuth =106.12°
Elevation =27.72°
Hour Angle =-03:53:21.77°
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


knh0181d6 (NGC 5904, G filter)
UTC 2024-01-18 11:00:23.260
Mean = 1029.630
σ = 64.940
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.513
max = mean + 0.75 σ = 1078.336
Moon angle =154.37°
Moon phase =53.4%
Azimuth =106.24°
Elevation =27.87°
Hour Angle =-03:52:36.64°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
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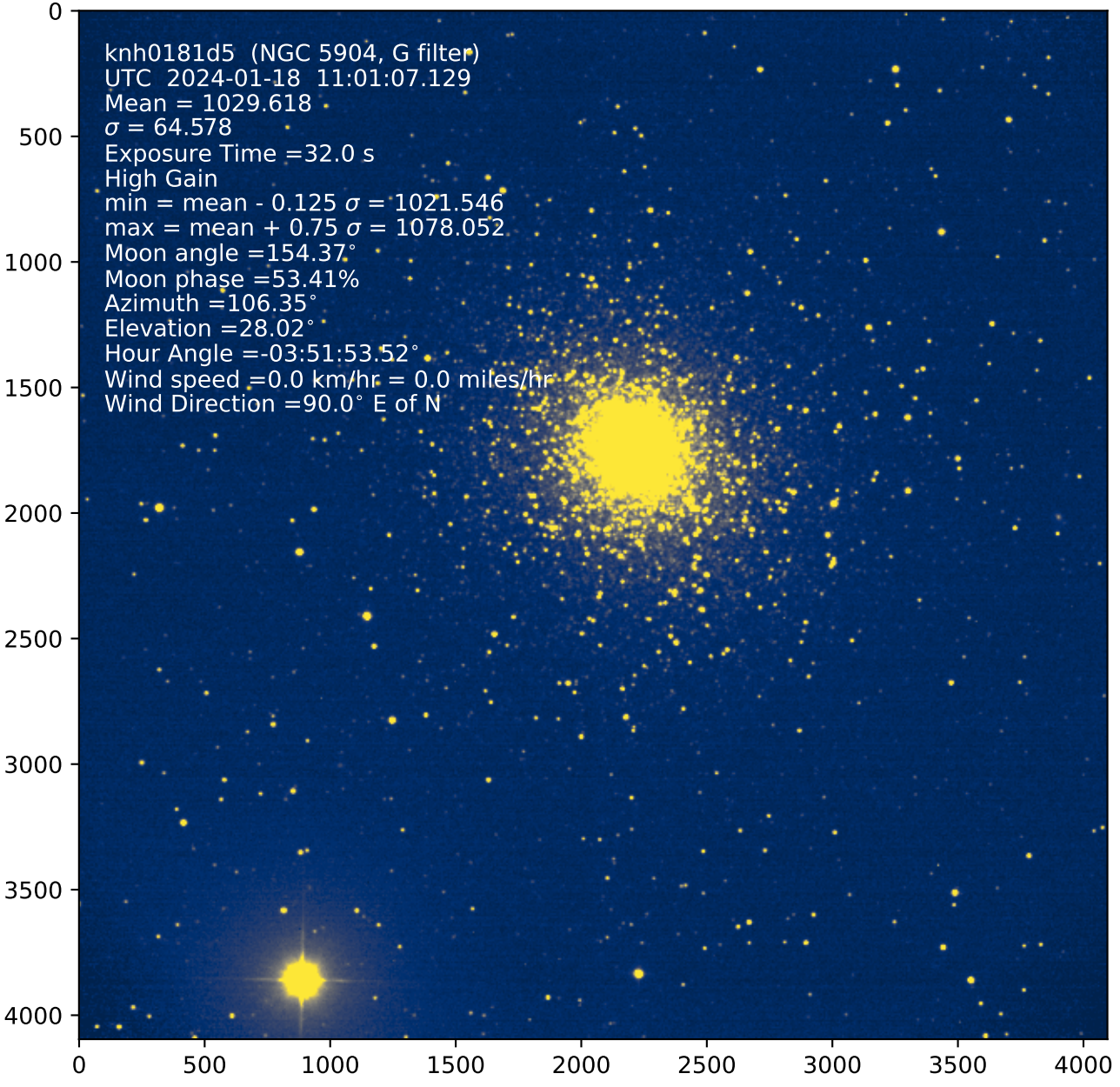
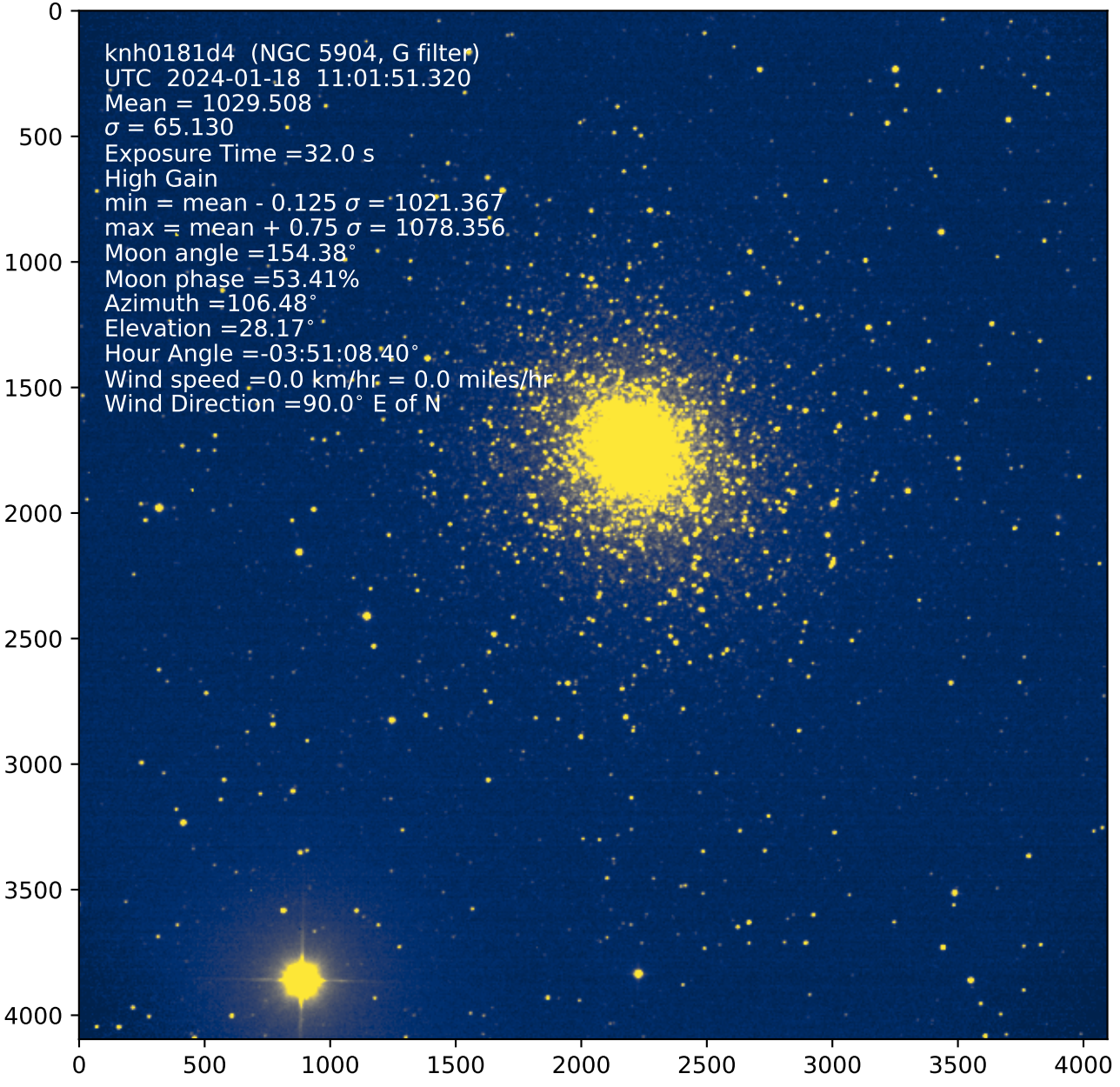
2000
2500
3000
3500
4000


knh0181d5 (NGC 5904, G filter)
UTC 2024-01-18 11:01:07.129
Mean = 1029.618
σ = 64.578
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.546
max = mean + 0.75 σ = 1078.052
Moon angle =154.37°
Moon phase =53.41%
Azimuth =106.35°
Elevation =28.02°
Hour Angle =-03:51:53.52°
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


knh0181d4 (NGC 5904, G filter)
UTC 2024-01-18 11:01:51.320
Mean = 1029.508
σ = 65.130
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.367
max = mean + 0.75 σ = 1078.356
Moon angle =154.38°
Moon phase =53.41%
Azimuth =106.48°
Elevation =28.17°
Hour Angle =-03:51:08.40°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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1000
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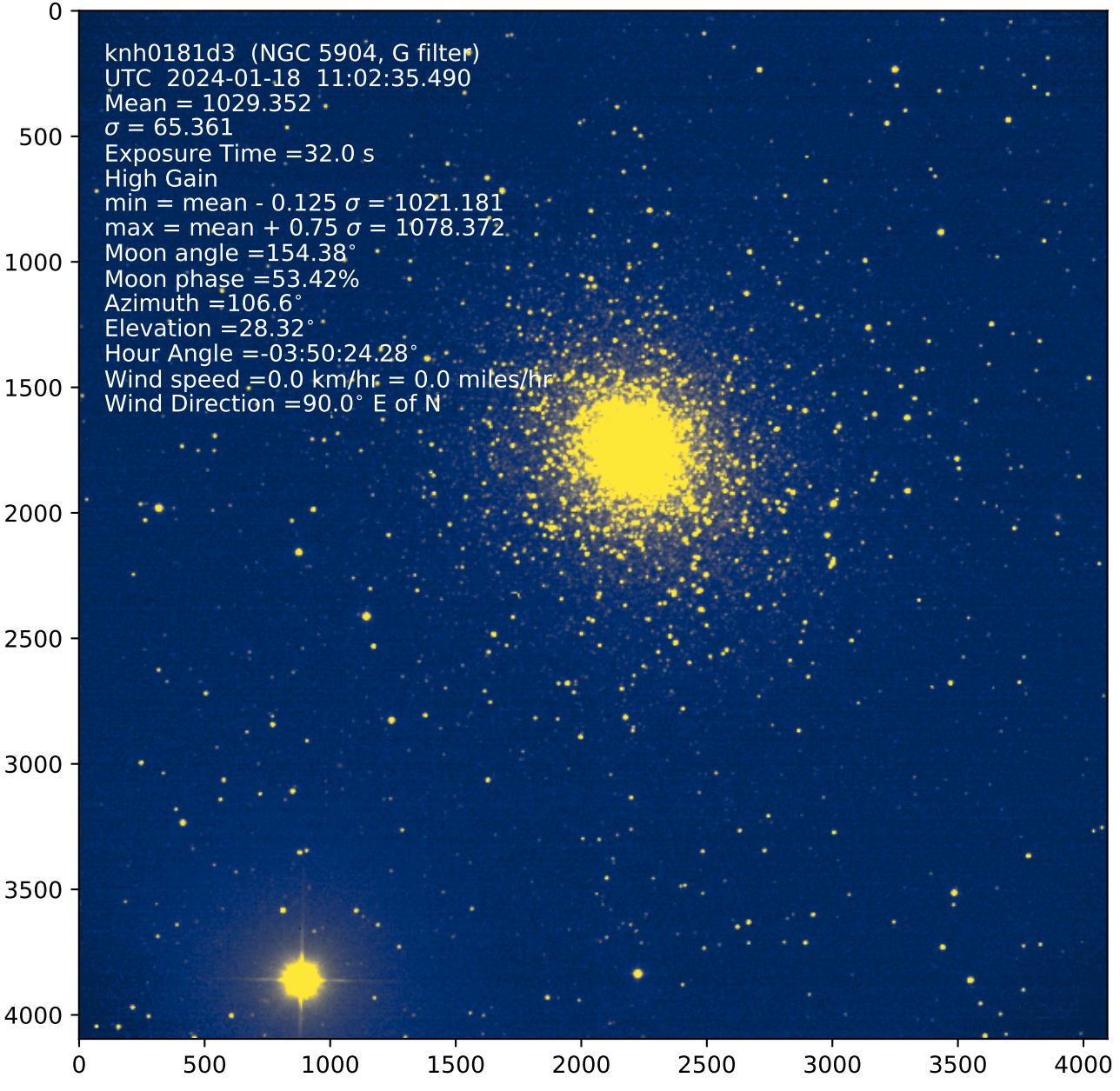
2500
3000
3500
4000


knh0181d3 (NGC 5904, G filter)
UTC 2024-01-18 11:02:35.490
Mean = 1029.352
σ = 65.361
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.181
max = mean + 0.75 σ = 1078.372
Moon angle =154.38°
Moon phase =53.42%
Azimuth =106.6°
Elevation =28.32°
Hour Angle =-03:50:24.28°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
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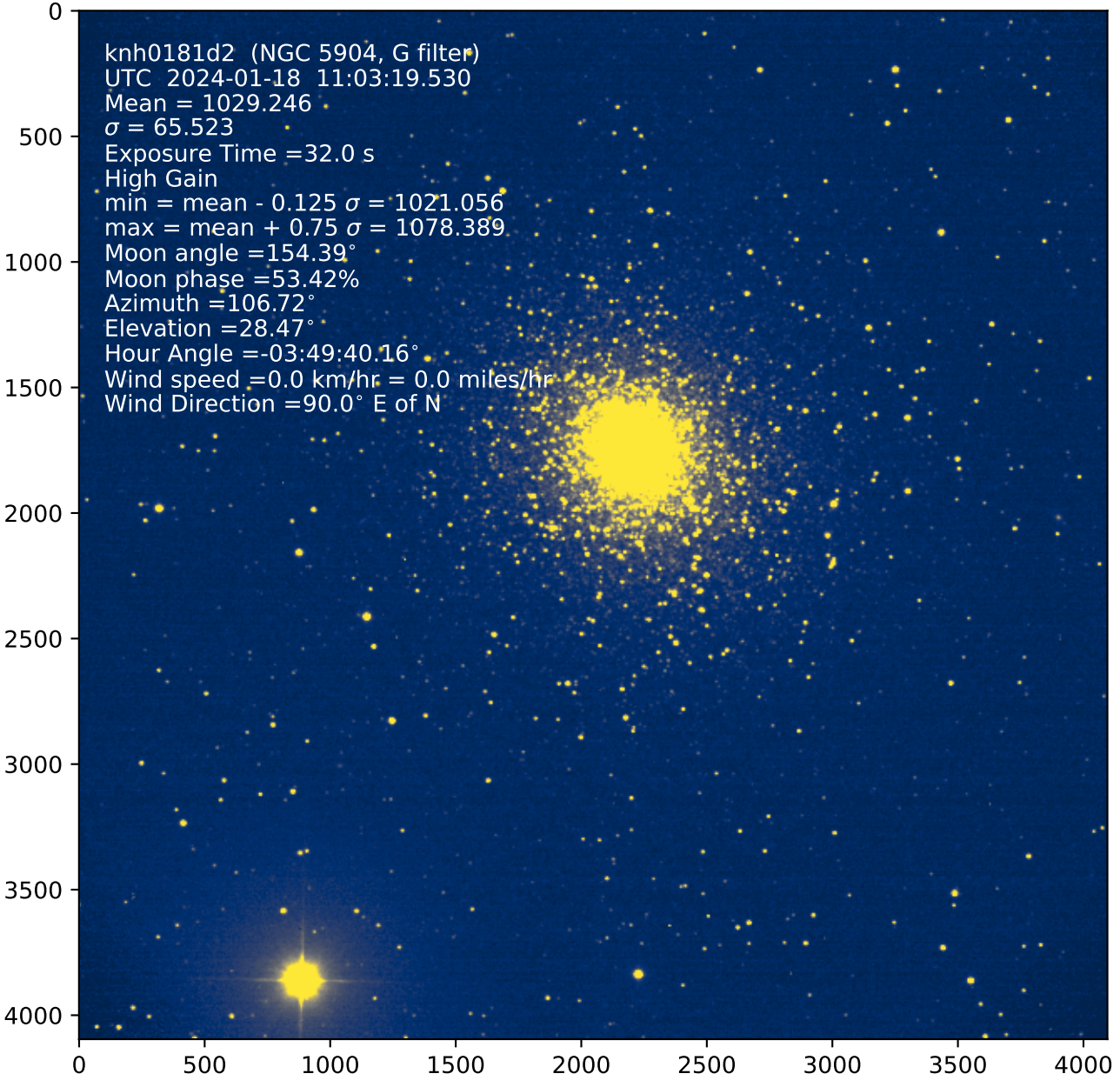
2500
3000
3500
4000


knh0181d2 (NGC 5904, G filter)
UTC 2024-01-18 11:03:19.530
Mean = 1029.246
σ = 65.523
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.056
max = mean + 0.75 σ = 1078.389
Moon angle =154.39°
Moon phase =53.42%
Azimuth =106.72°
Elevation =28.47°
Hour Angle =-03:49:40.16°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
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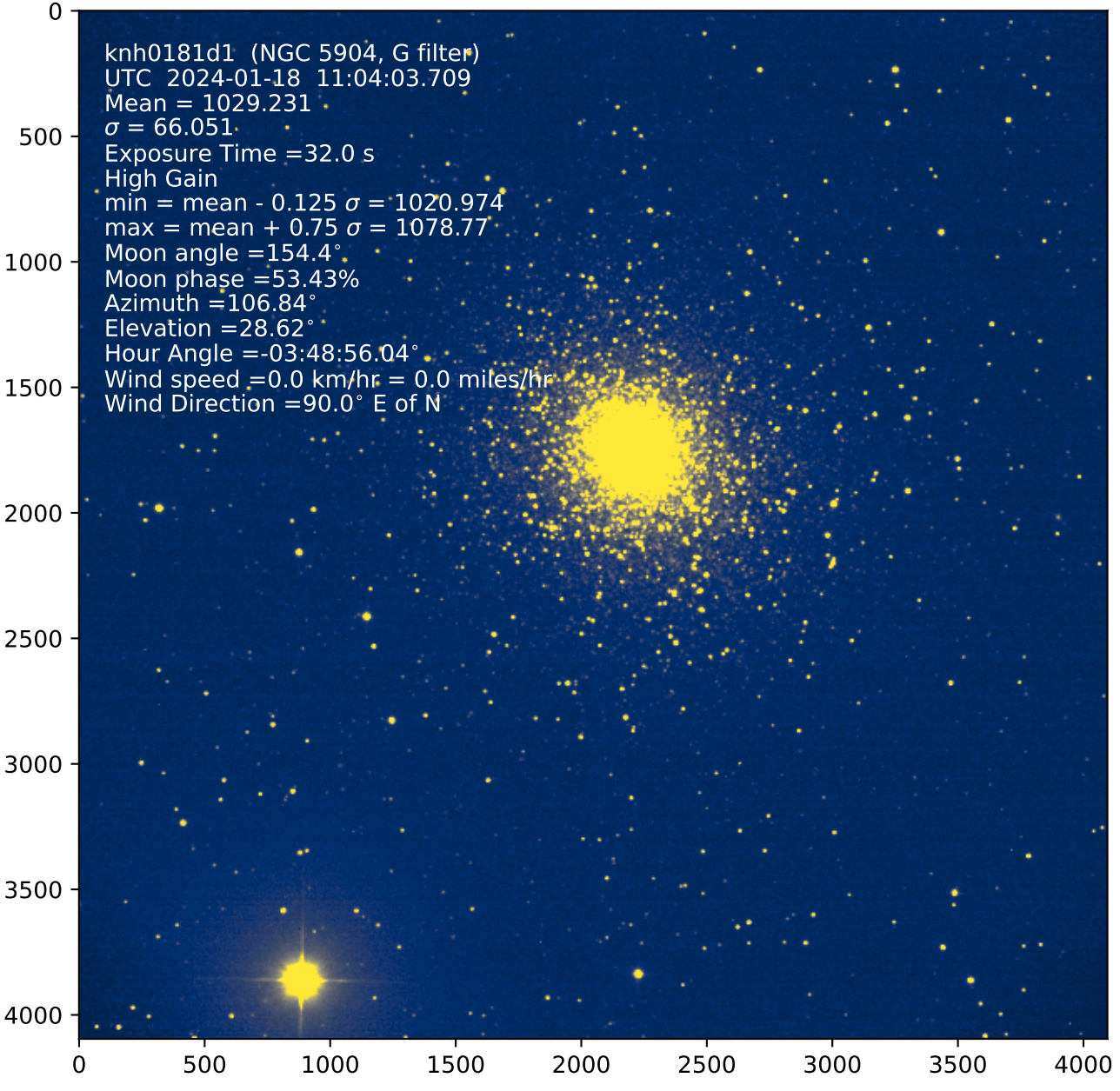
2500
3000
3500
4000


knh0181d1 (NGC 5904, G filter)
UTC 2024-01-18 11:04:03.709
Mean = 1029.231
σ = 66.051
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1020.974
max = mean + 0.75 σ = 1078.77
Moon angle =154.4°
Moon phase =53.43%
Azimuth =106.84°
Elevation =28.62°
Hour Angle =-03:48:56.04°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
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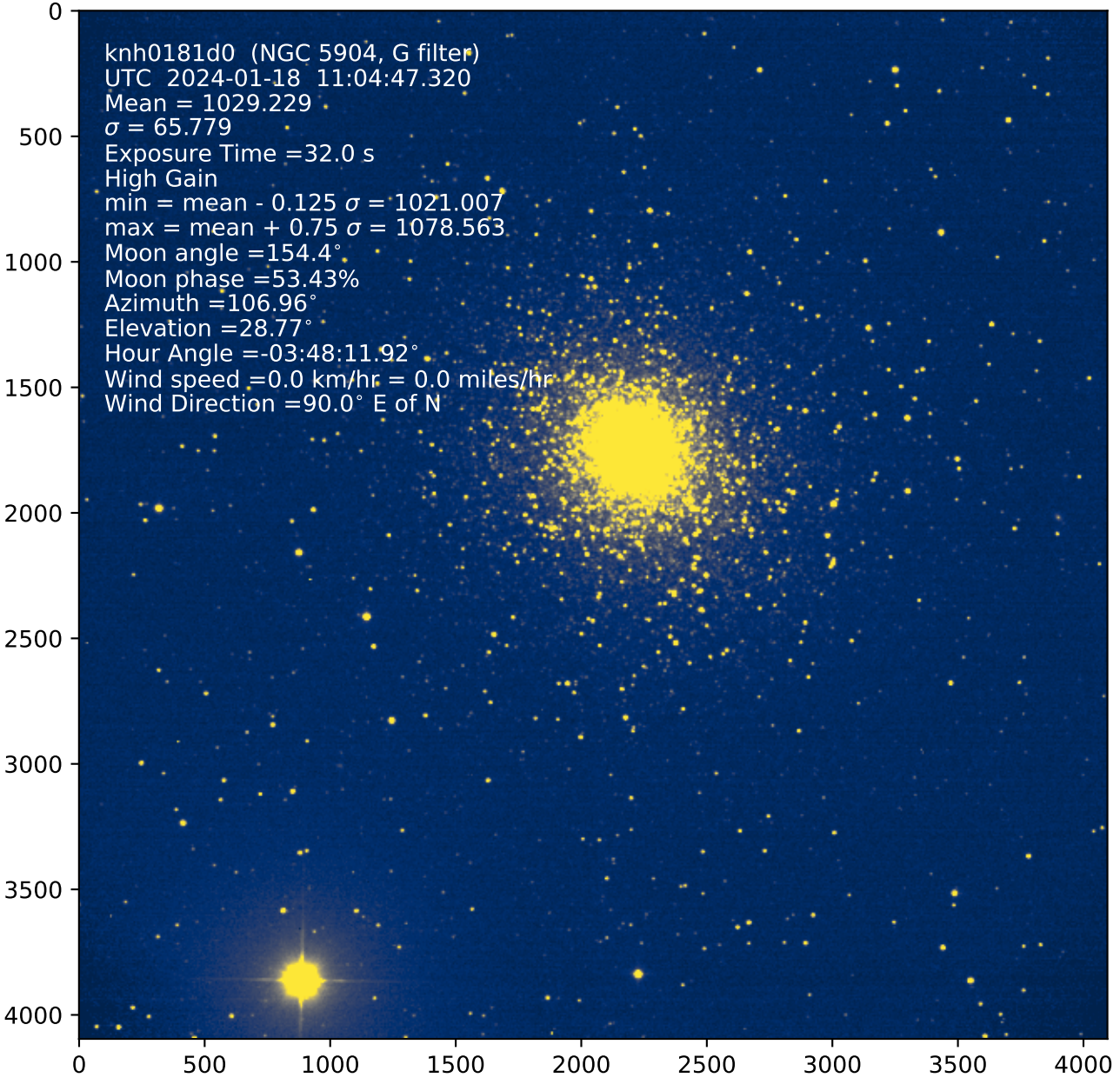
2500
3000
3500
4000


knh0181d0 (NGC 5904, G filter)
UTC 2024-01-18 11:04:47.320
Mean = 1029.229
σ = 65.779
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.007
max = mean + 0.75 σ = 1078.563
Moon angle =154.4°
Moon phase =53.43%
Azimuth =106.96°
Elevation =28.77°
Hour Angle =-03:48:11.92°
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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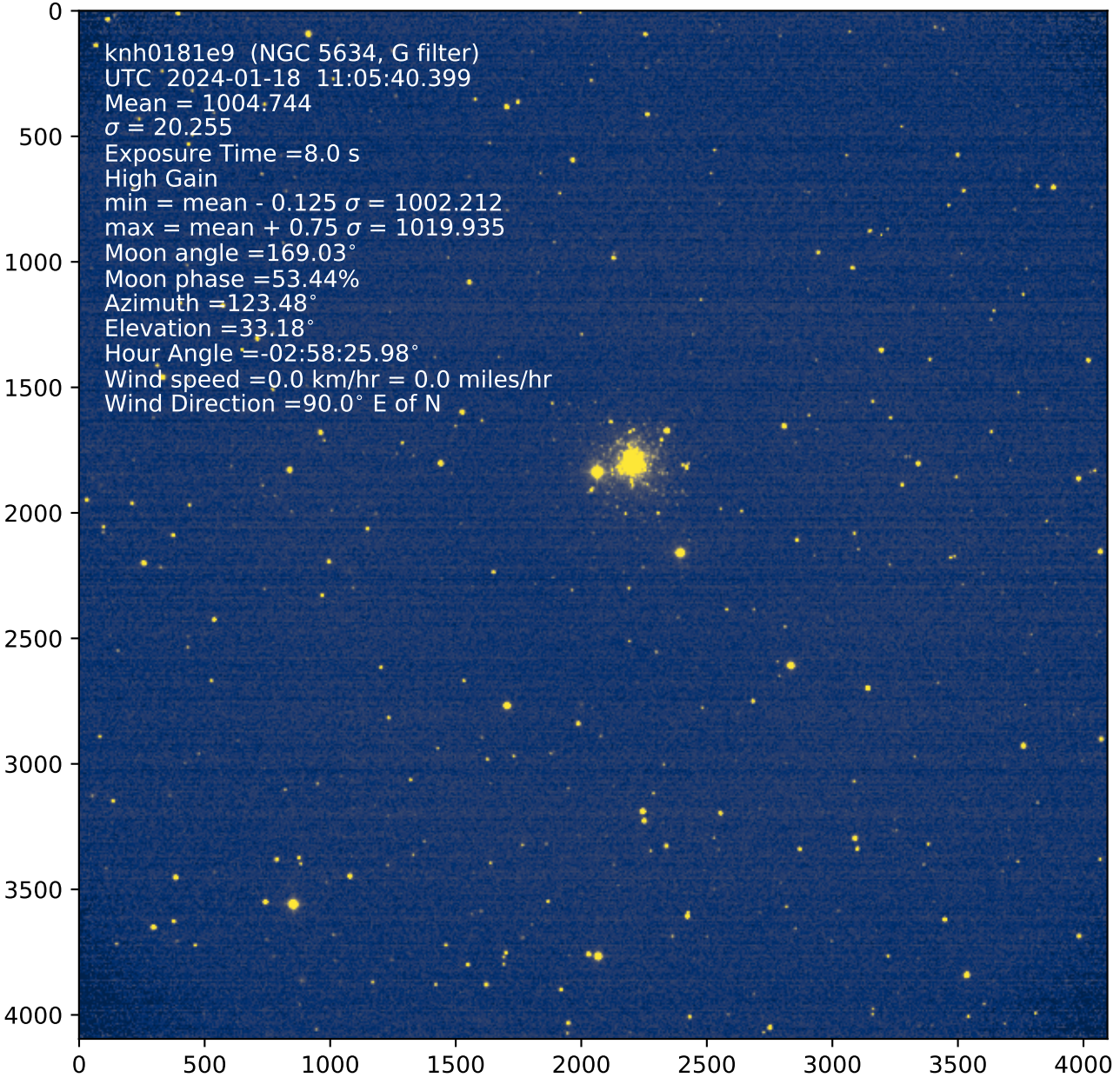
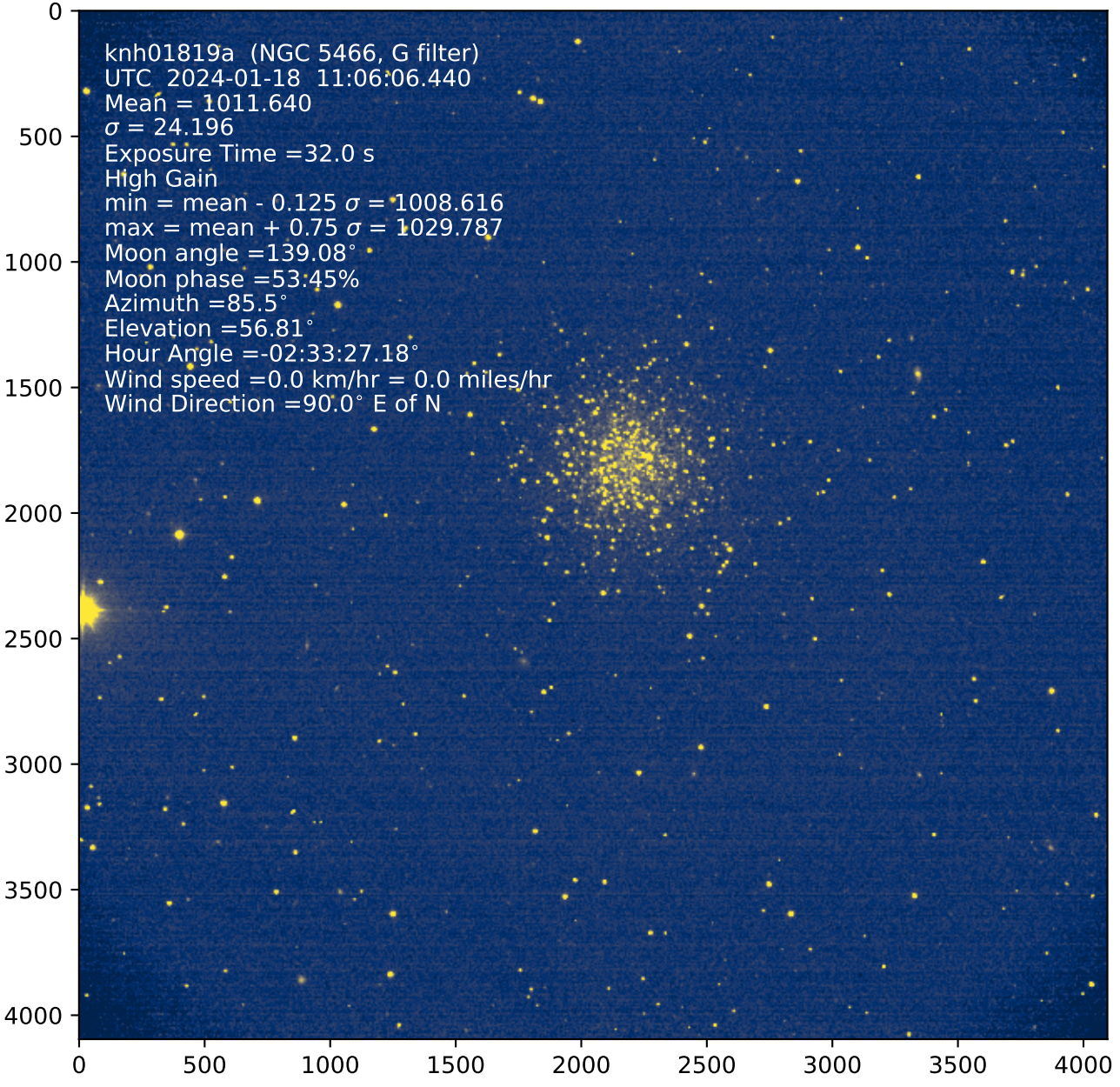
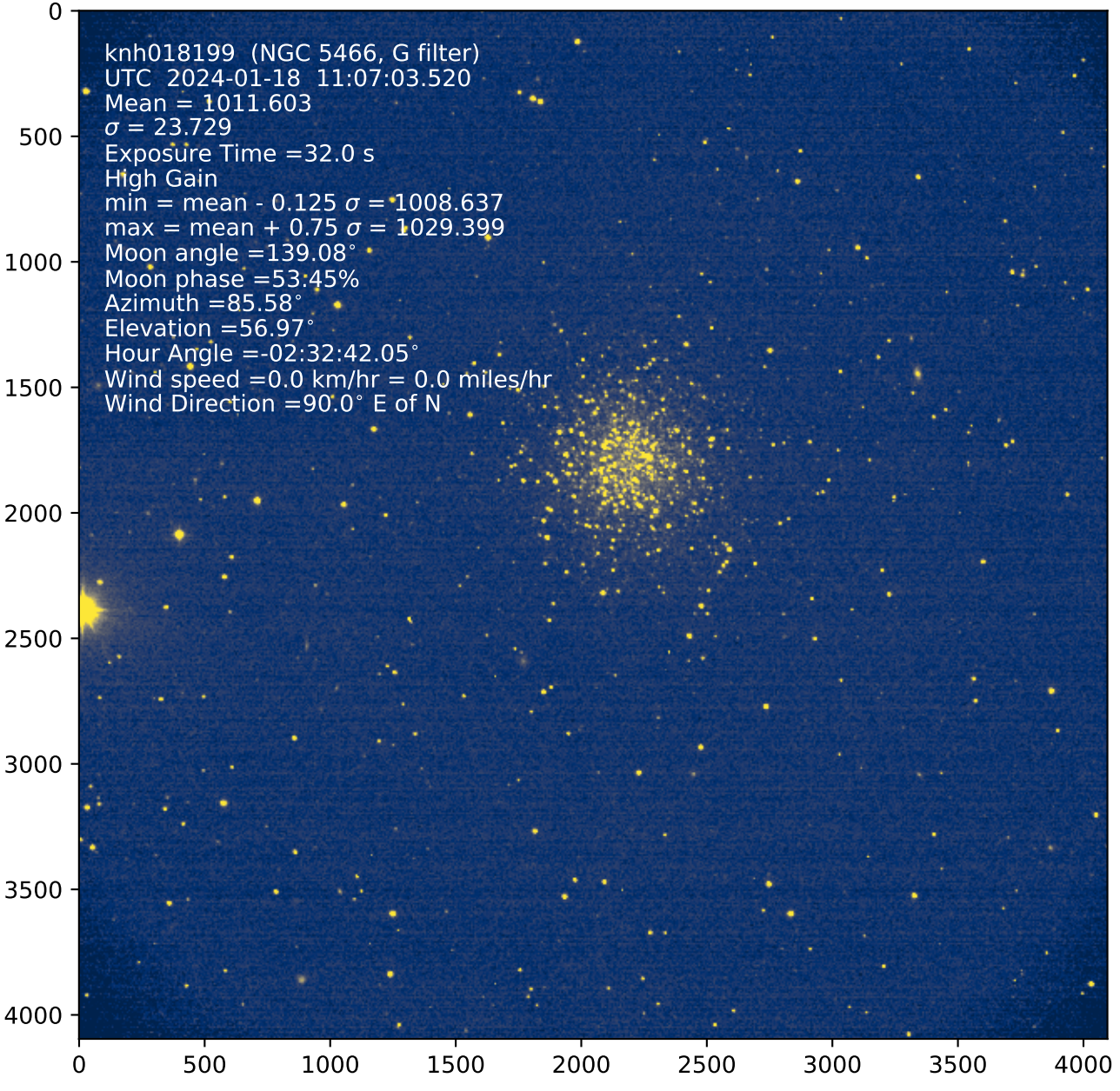
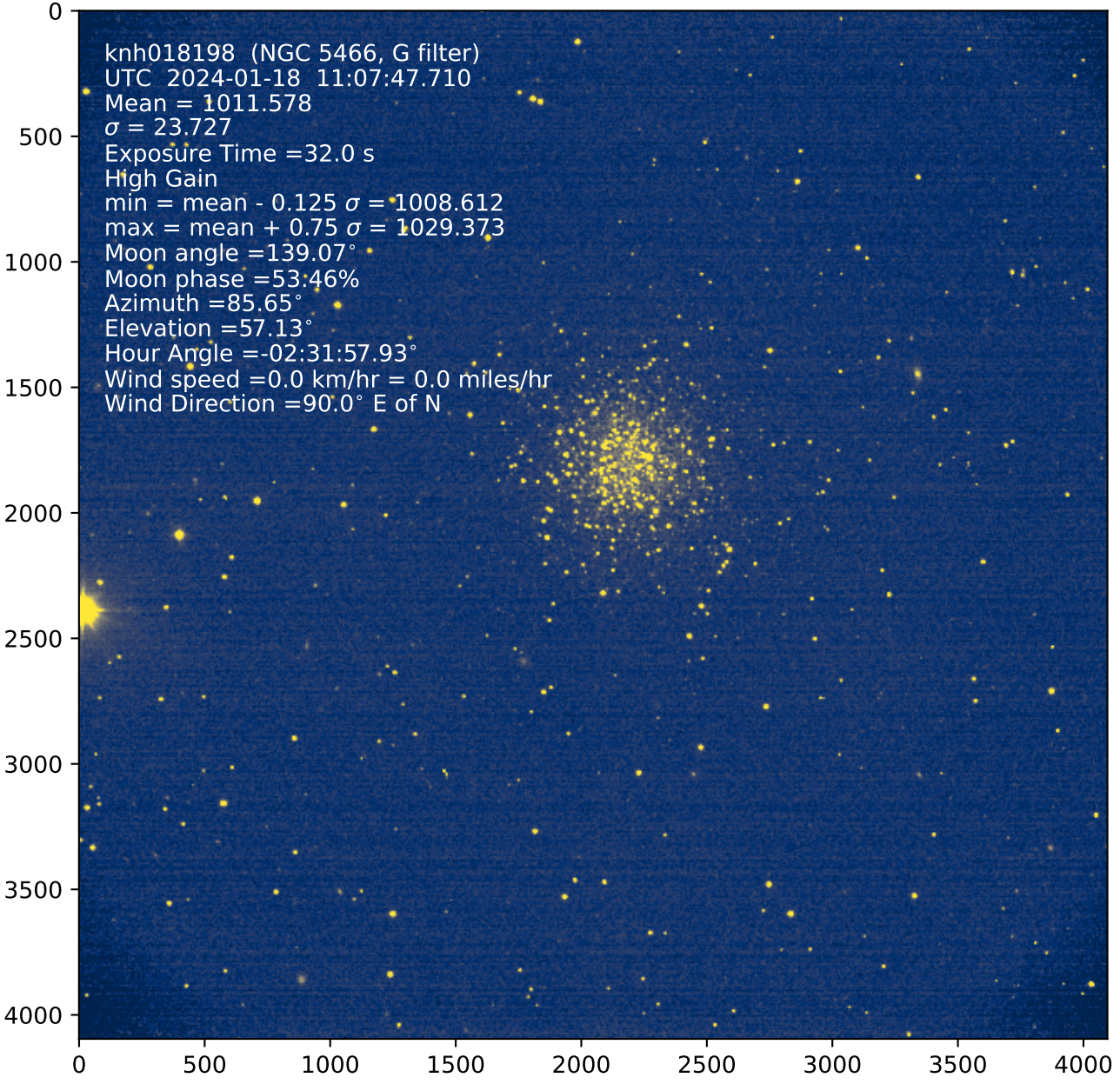
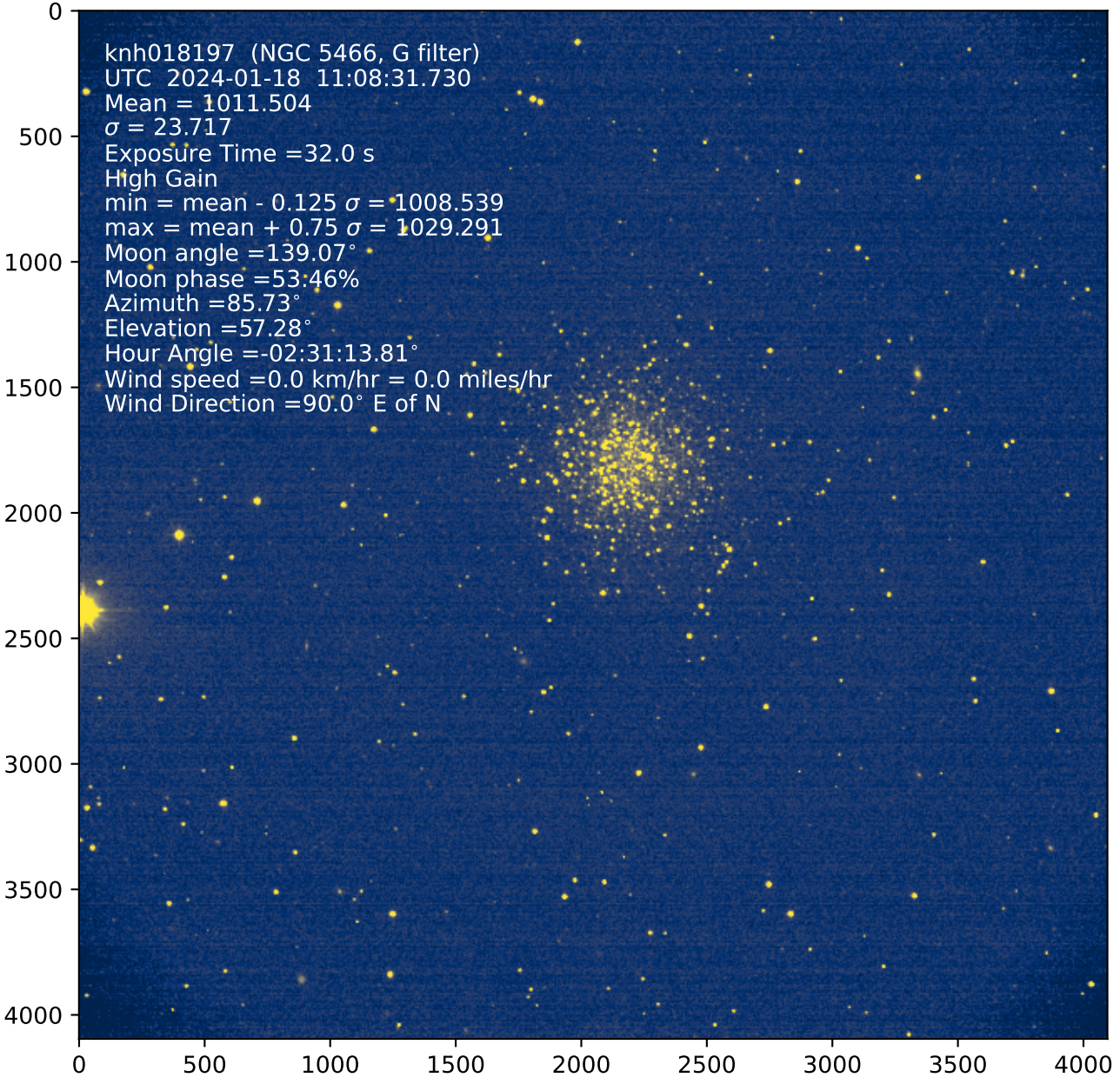
2500
3000
3500
4000

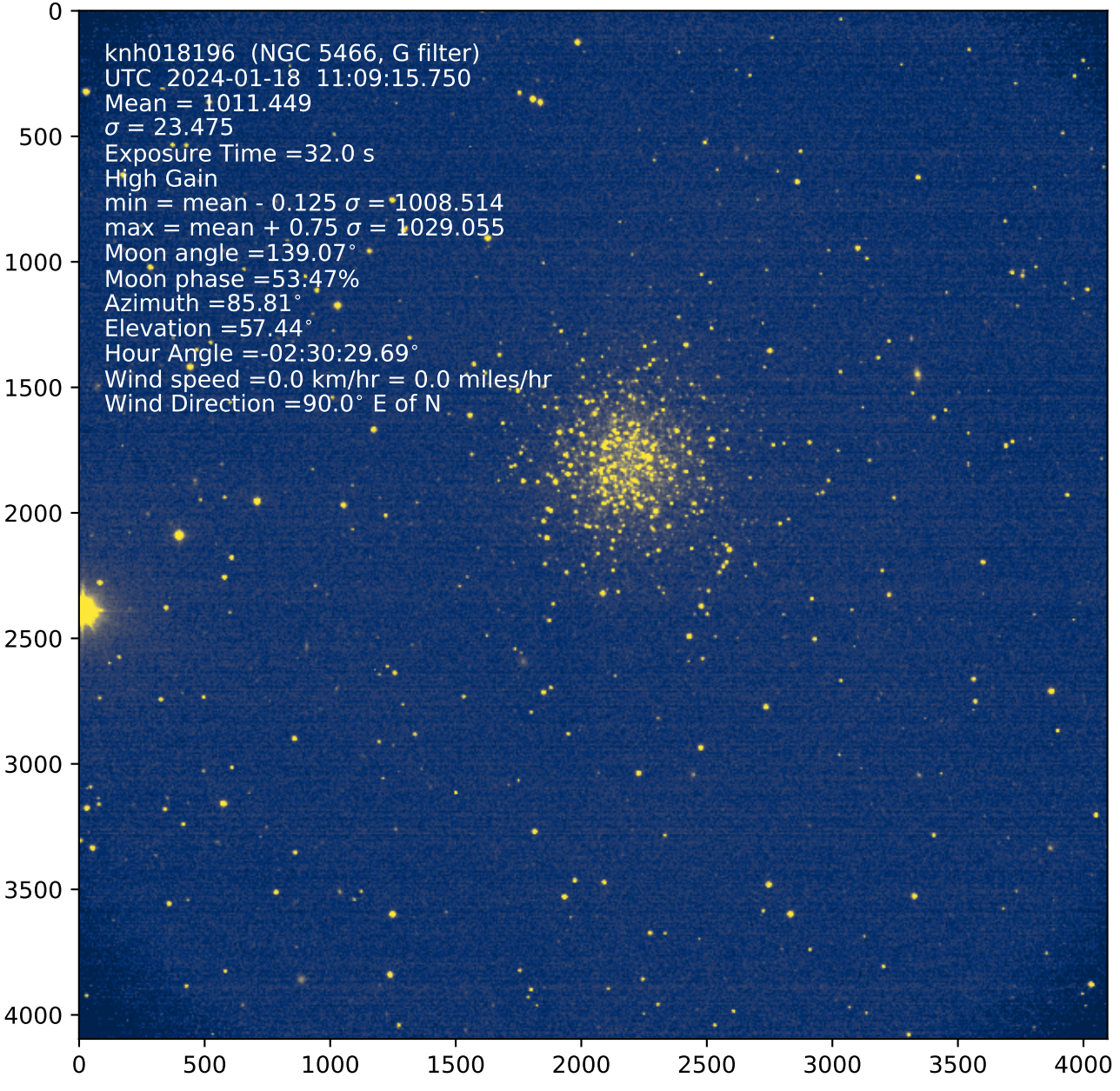

knh0181e9 (NGC 5634, G filter)
UTC 2024-01-18 11:05:40.399
Mean = 1004.744
σ = 20.255
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1002.212
max = mean + 0.75 σ = 1019.935
Moon angle =169.03˚
Moon phase =53.44%
Azimuth =123.48˚
Elevation =33.18˚
Hour Angle =-02:58:25.98˚
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

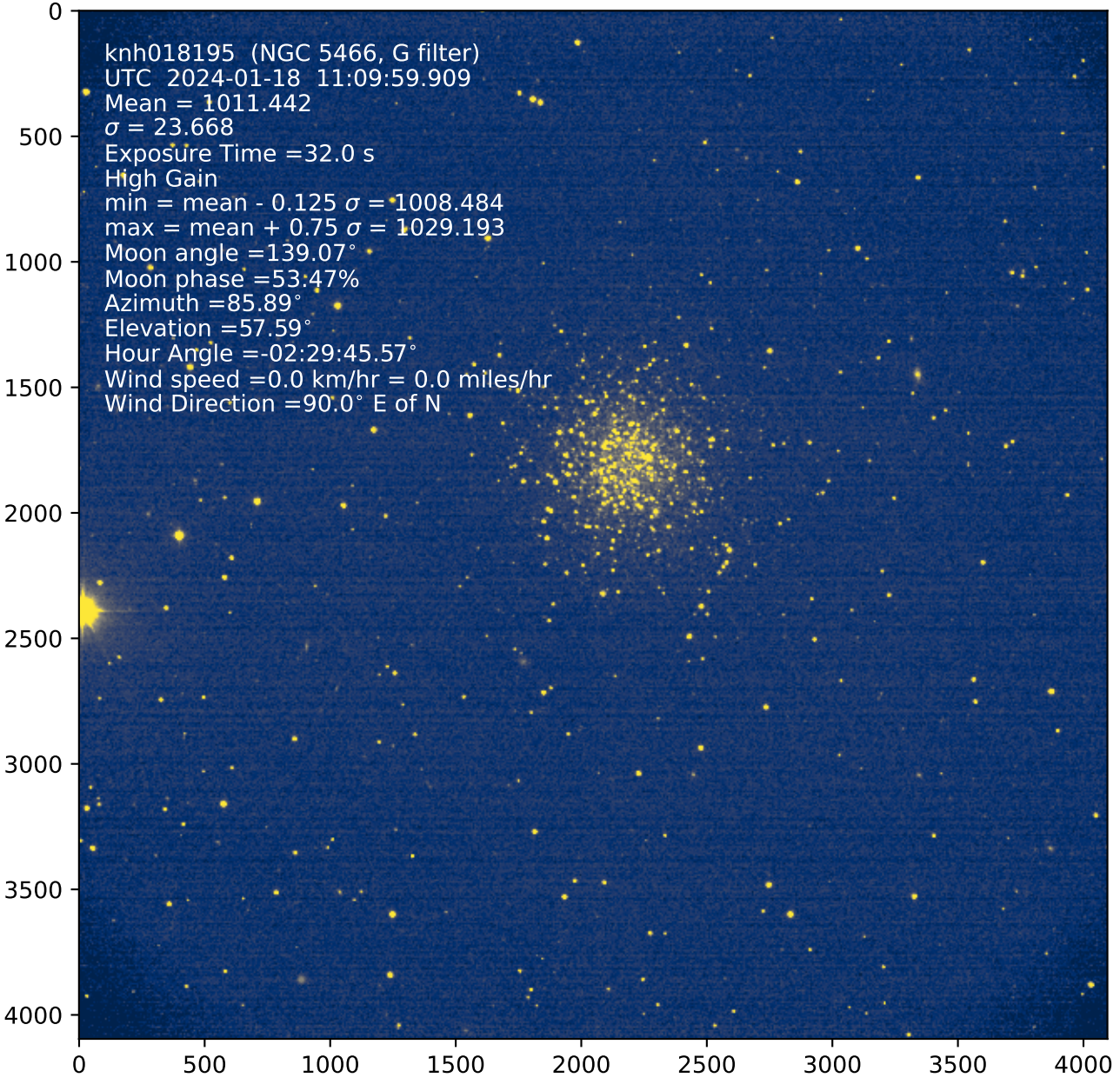

knh01819a (NGC 5466, G filter)
UTC 2024-01-18 11:06:06.440
Mean = 1011.640
σ = 24.196
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.616
max = mean + 0.75 σ = 1029.787
Moon angle =139.08°
Moon phase =53:45%
Azimuth =85.5°
Elevation =56.81°
Hour Angle =-02:33:27.18°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

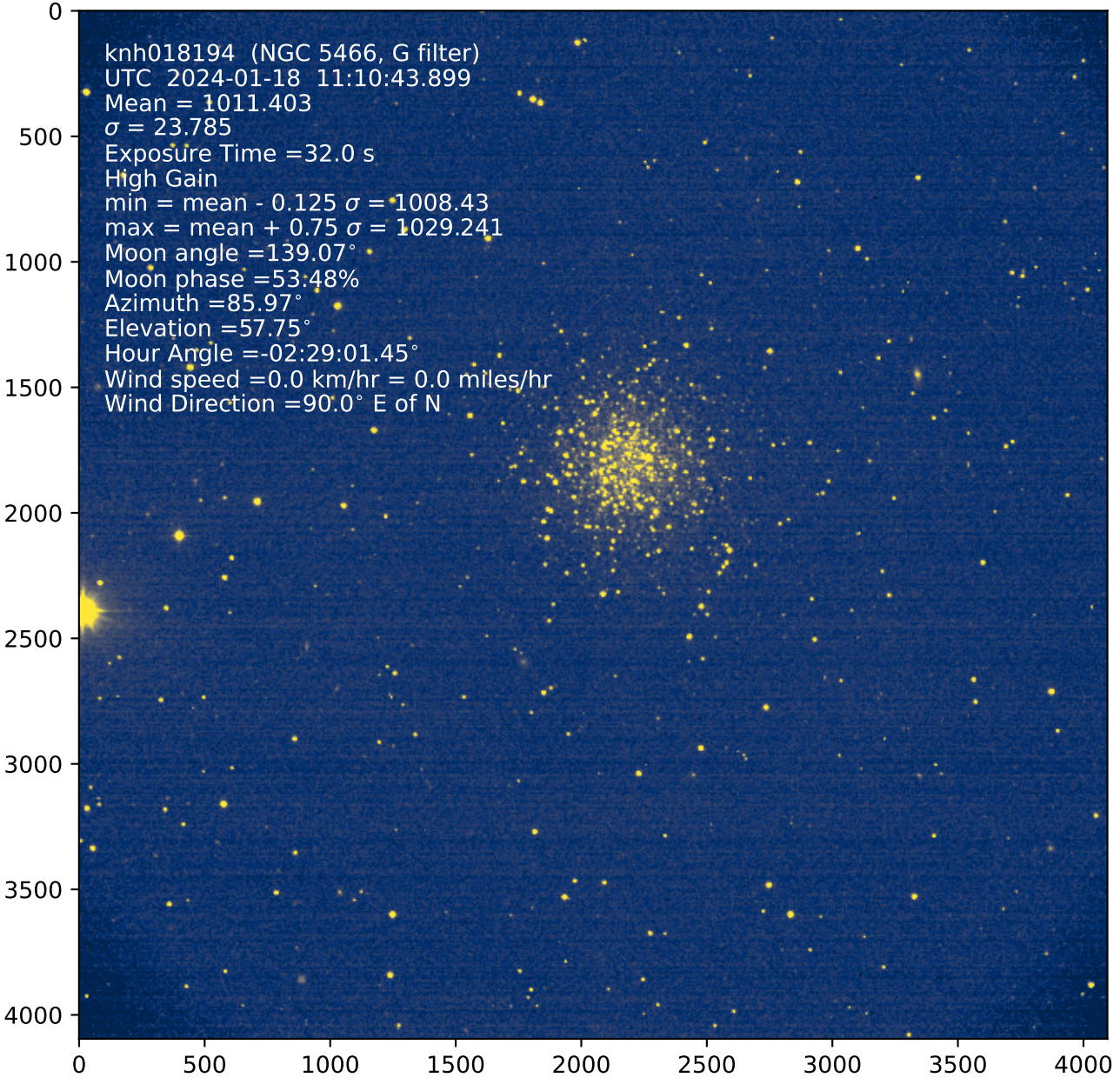

knh018199 (NGC 5466, G filter)
UTC 2024-01-18 11:07:03.520
Mean = 1011.603
σ = 23.729
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.637
max = mean + 0.75 σ = 1029.399
Moon angle =139.08°
Moon phase =53:45%
Azimuth =85.58°
Elevation =56.97°
Hour Angle =-02:32:42.05°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

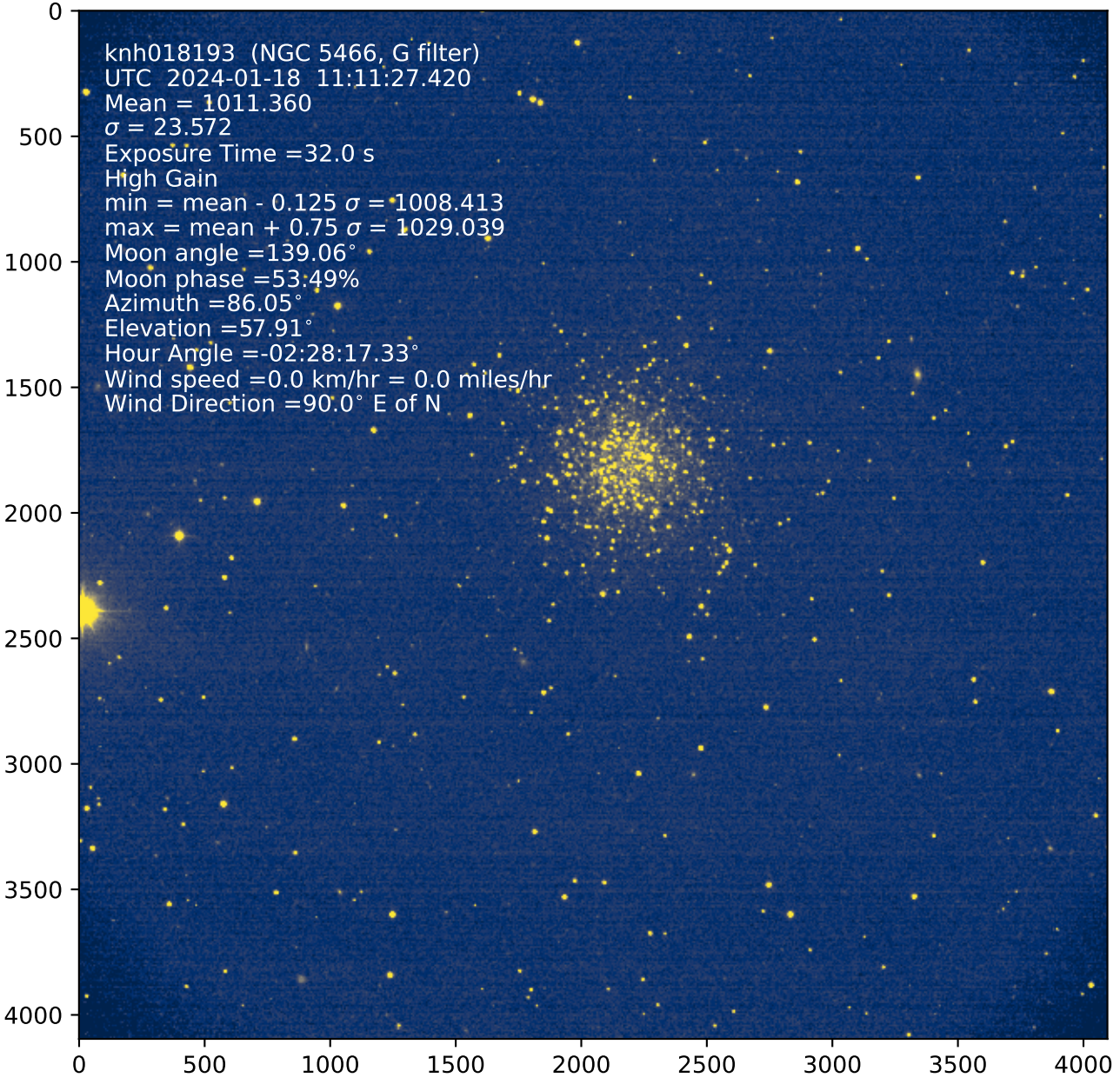

knh018198 (NGC 5466, G filter)
UTC 2024-01-18 11:07:47.710
Mean = 1011.578
σ = 23.727
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.612
max = mean + 0.75 σ = 1029.373
Moon angle =139.07°
Moon phase =53.46%
Azimuth =85.65°
Elevation =57.13°
Hour Angle =-02:31:57.93°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

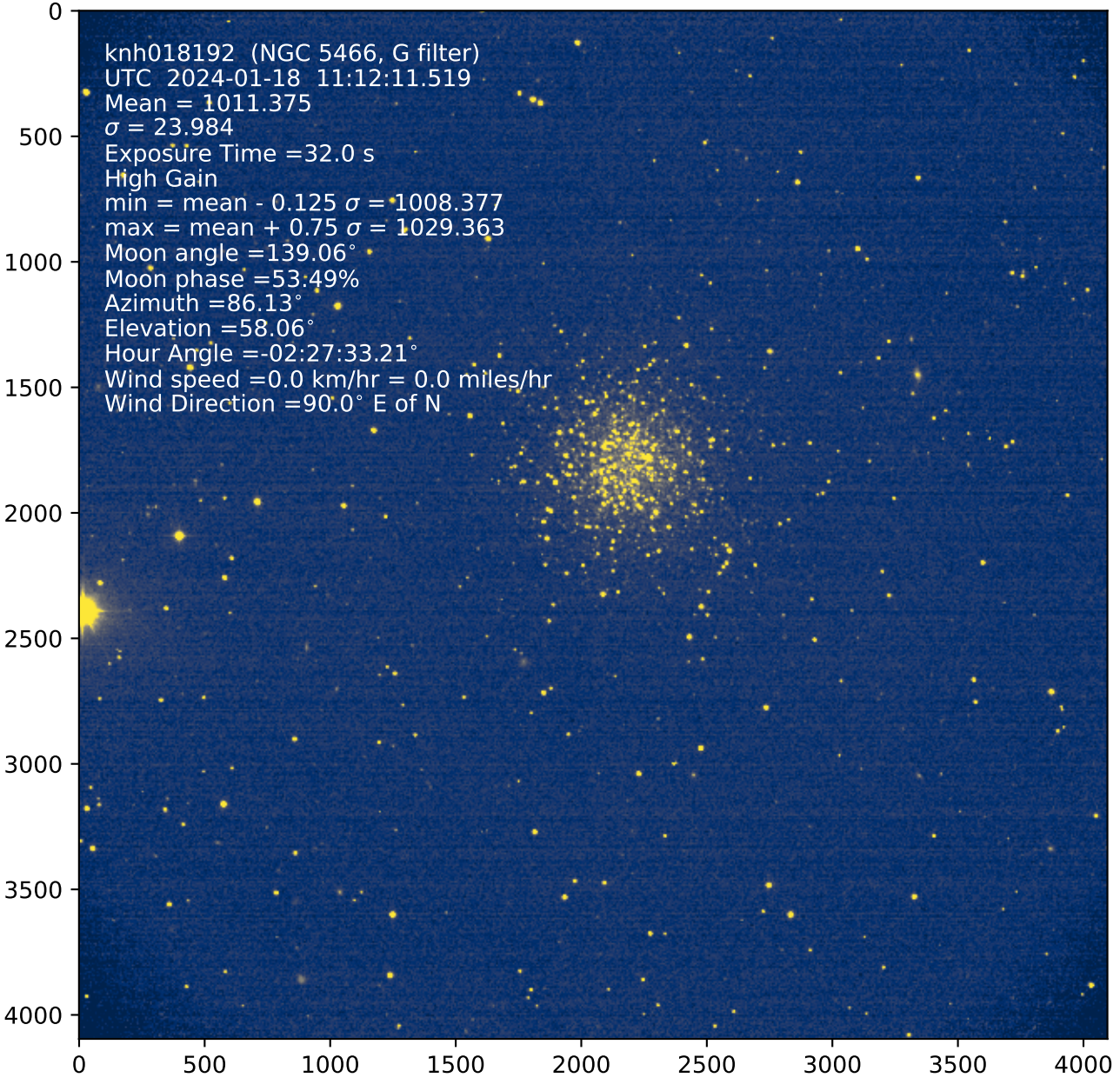

knh018197 (NGC 5466, G filter)
UTC 2024-01-18 11:08:31.730
Mean = 1011.504
σ = 23.717
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.539
max = mean + 0.75 σ = 1029.291
Moon angle =139.07°
Moon phase =53.46%
Azimuth =85.73°
Elevation =57.28°
Hour Angle =-02:31:13.81°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

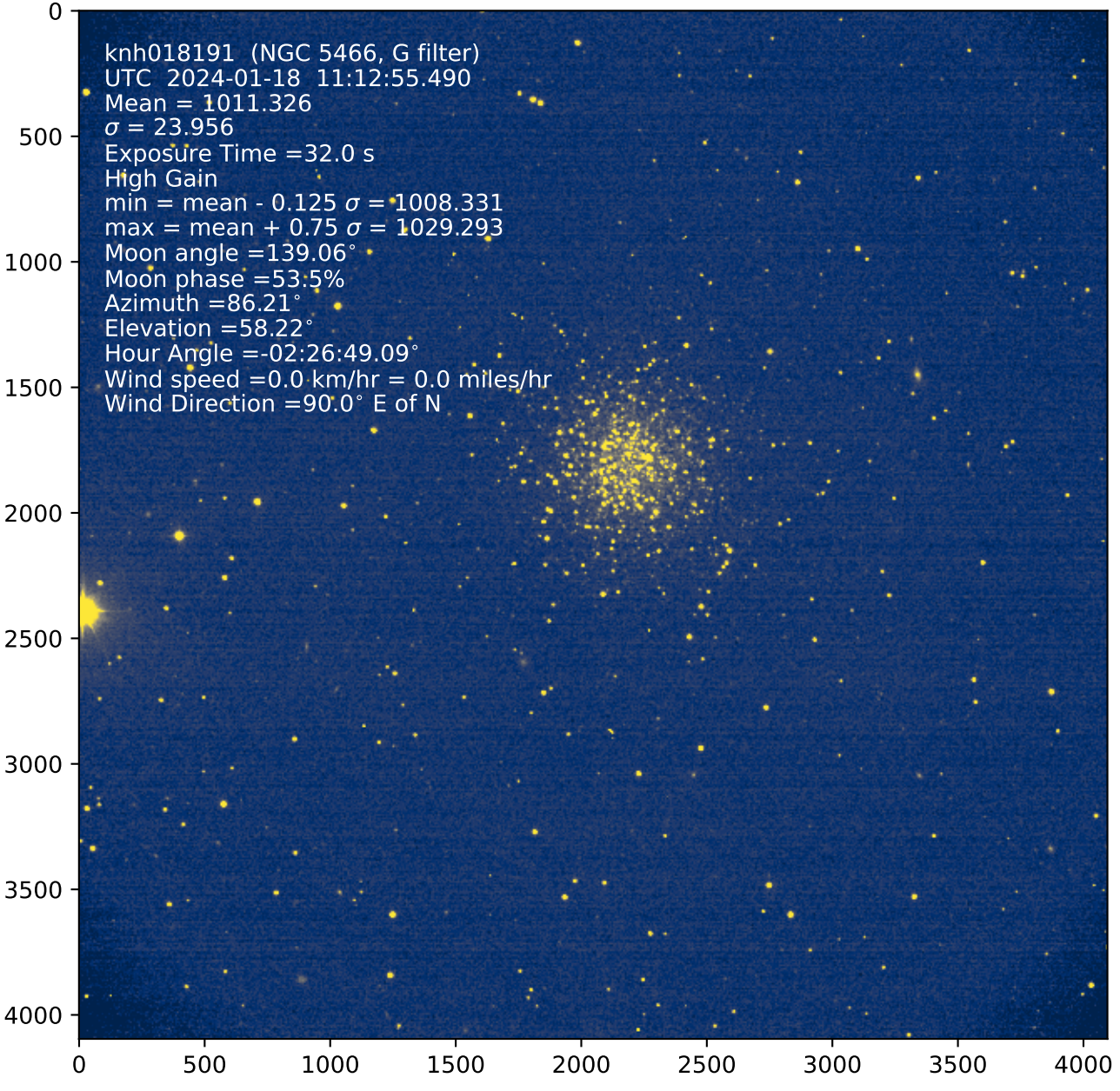

knh018196 (NGC 5466, G filter)
UTC 2024-01-18 11:09:15.750
Mean = 1011.449
σ = 23.475
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.514
max = mean + 0.75 σ = 1029.055
Moon angle =139.07°
Moon phase =53:47%
Azimuth =85.81°
Elevation =57.44°
Hour Angle =-02:30:29.69°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

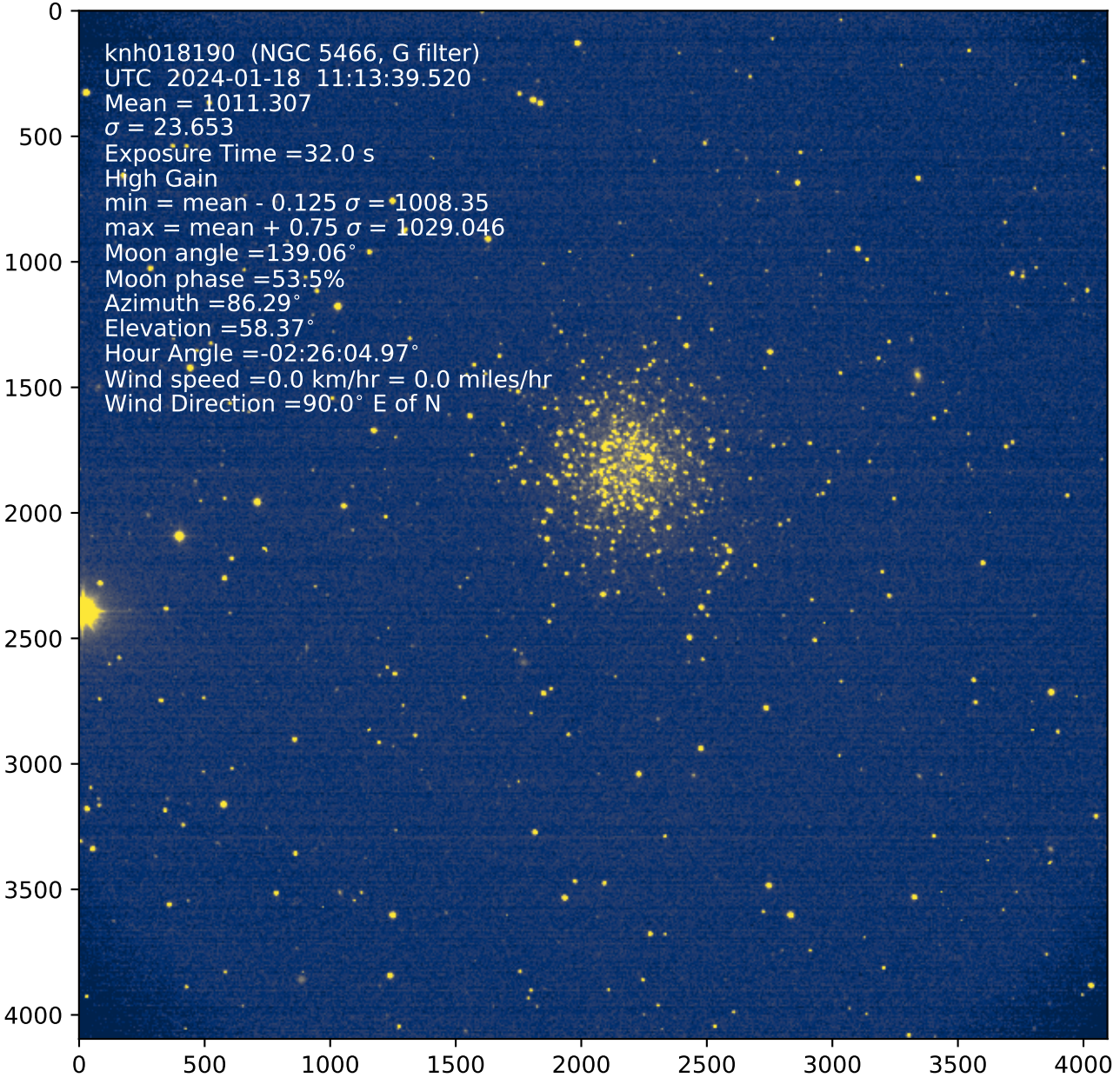

knh018195 (NGC 5466, G filter)
UTC 2024-01-18 11:09:59.909
Mean = 1011.442
σ = 23.668
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.484
max = mean + 0.75 σ = 1029.193
Moon angle =139.07°
Moon phase =53:47%
Azimuth =85.89°
Elevation =57.59°
Hour Angle =-02:29:45.57°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

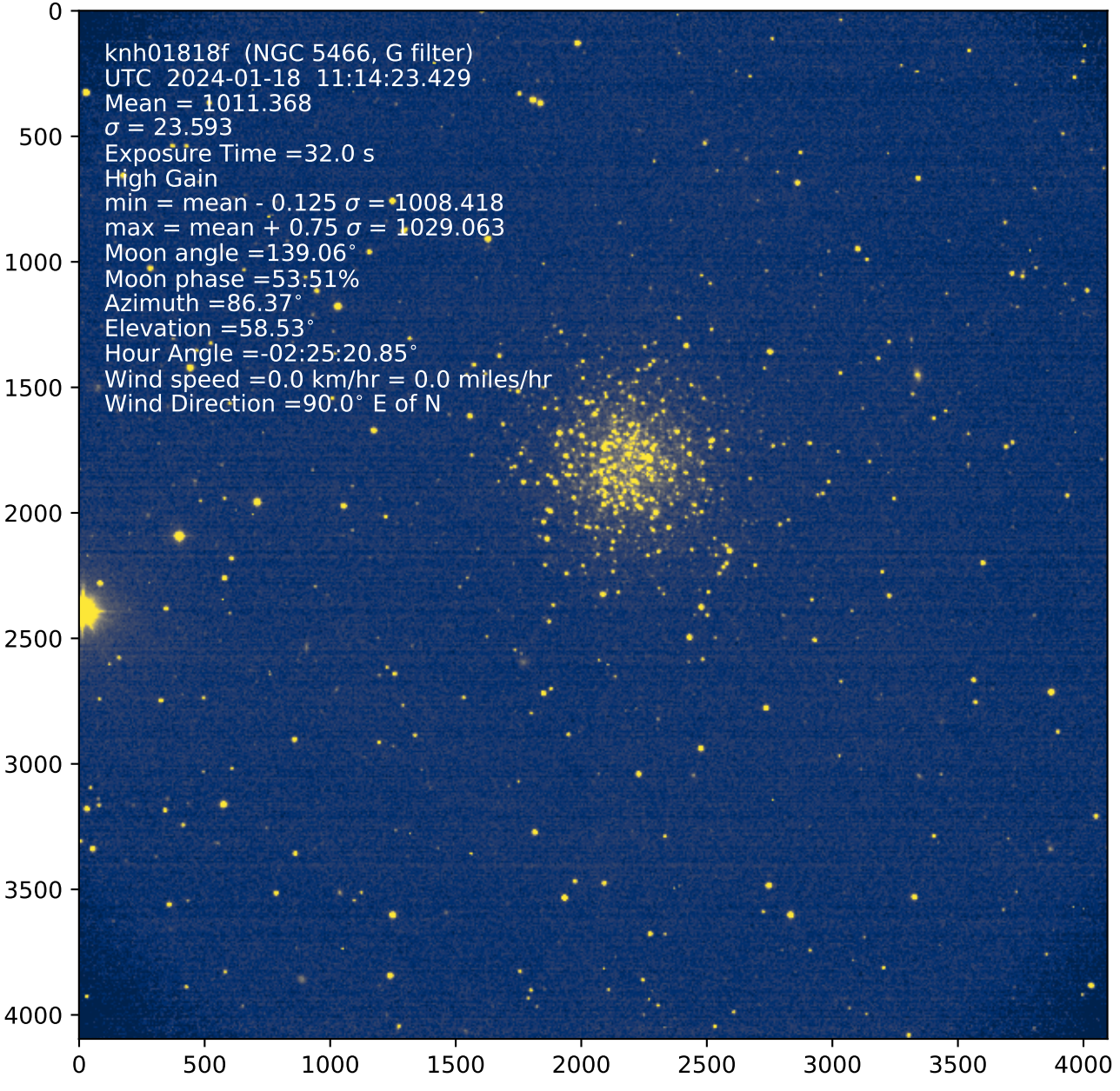

knh018194 (NGC 5466, G filter)
UTC 2024-01-18 11:10:43.899
Mean = 1011.403
σ = 23.785
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.43
max = mean + 0.75 σ = 1029.241
Moon angle =139.07°
Moon phase =53:48%
Azimuth =85.97°
Elevation =57.75°
Hour Angle =-02:29:01.45°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

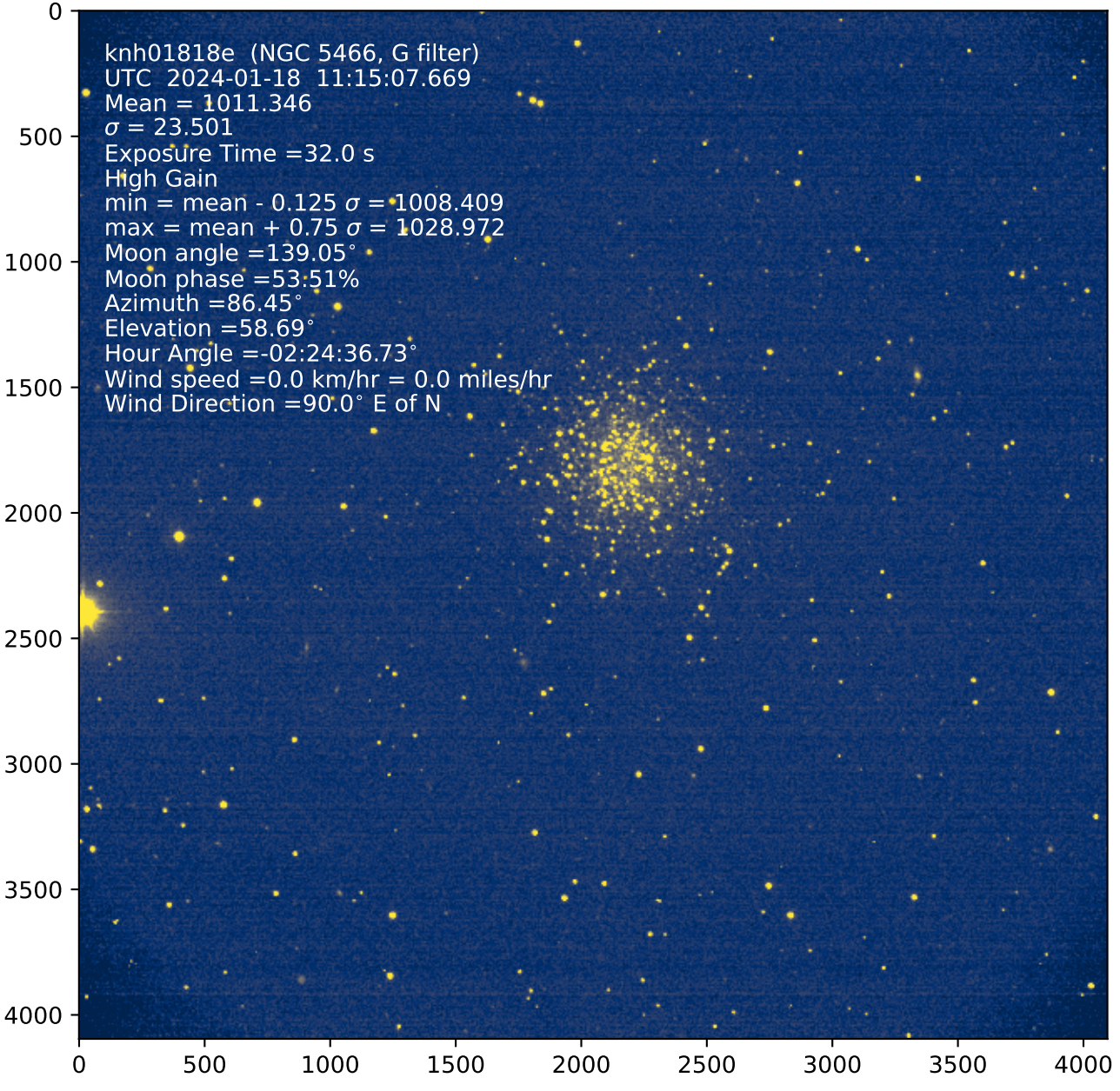

knh018193 (NGC 5466, G filter)
UTC 2024-01-18 11:11:27.420
Mean = 1011.360
σ = 23.572
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.413
max = mean + 0.75 σ = 1029.039
Moon angle =139.06°
Moon phase =53.49%
Azimuth =86.05°
Elevation =57.91°
Hour Angle =-02:28:17.33°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

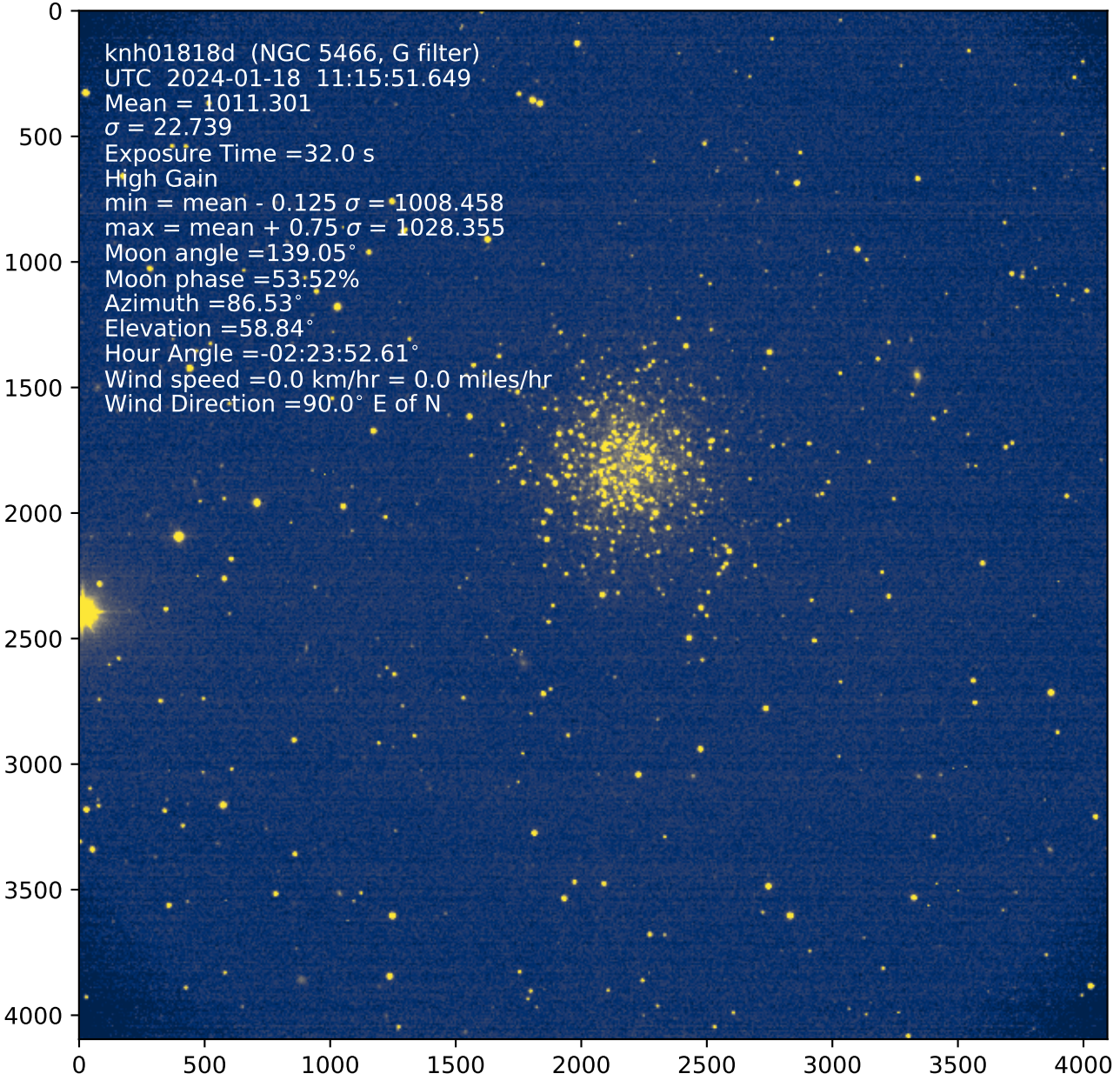

knh018192 (NGC 5466, G filter)
UTC 2024-01-18 11:12:11.519
Mean = 1011.375
σ = 23.984
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.377
max = mean + 0.75 σ = 1029.363
Moon angle =139.06°
Moon phase =53.49%
Azimuth =86.13°
Elevation =58.06°
Hour Angle =-02:27:33.21°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

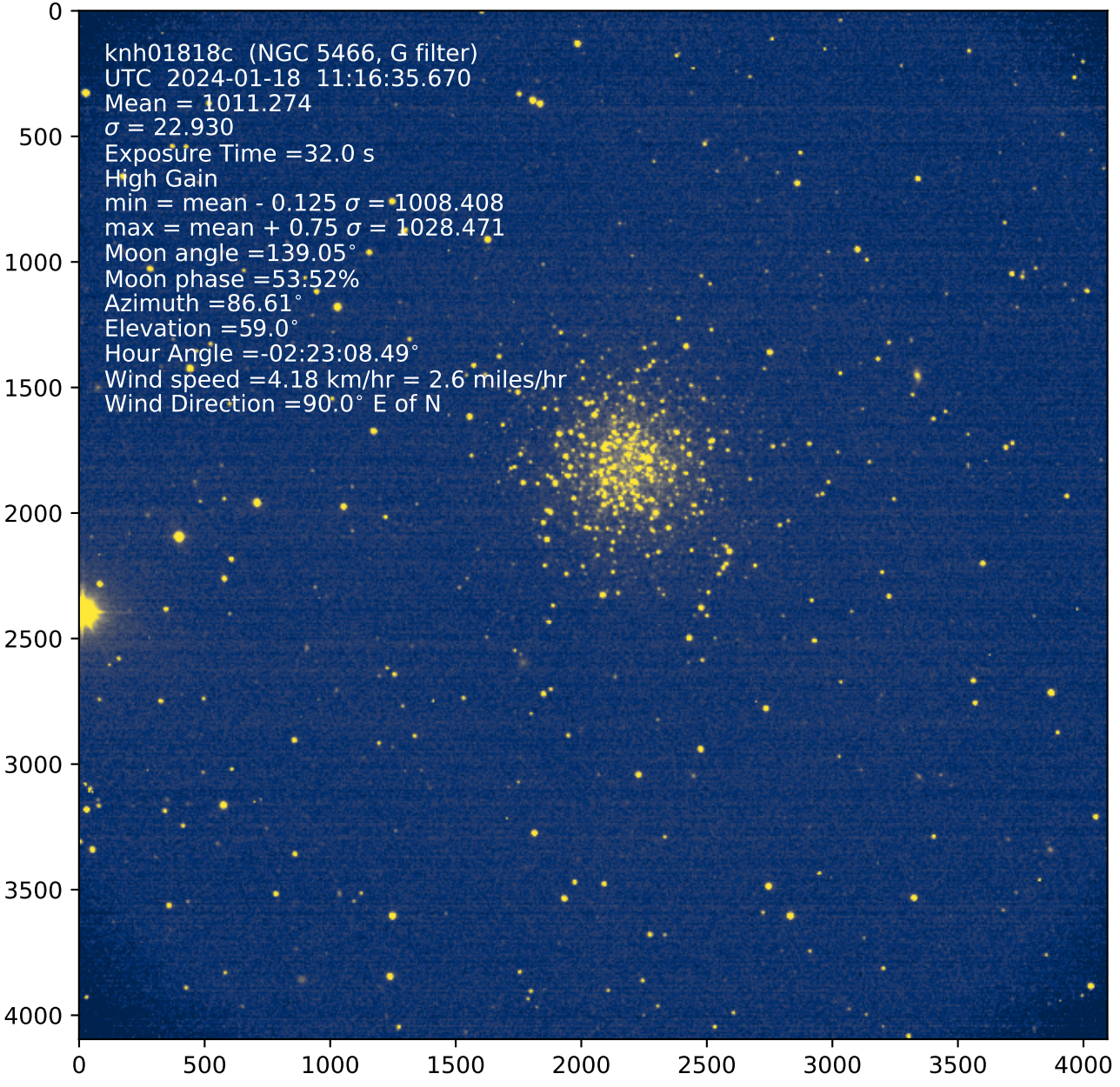

knh018191 (NGC 5466, G filter)
UTC 2024-01-18 11:12:55.490
Mean = 1011.326
σ = 23.956
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.331
max = mean + 0.75 σ = 1029.293
Moon angle =139.06°
Moon phase =53.5%
Azimuth =86.21°
Elevation =58.22°
Hour Angle =-02:26:49.09°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

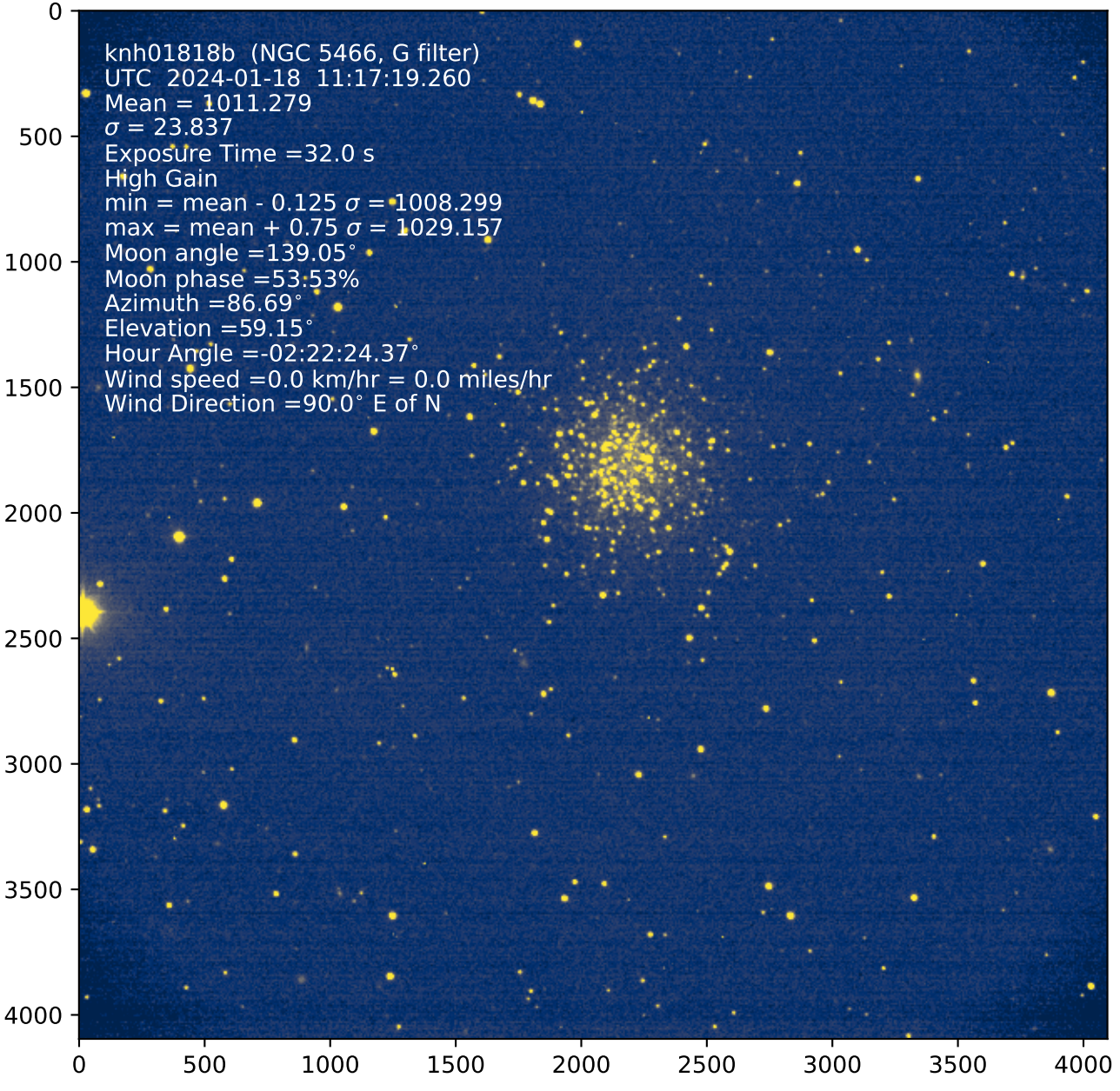

knh018190 (NGC 5466, G filter)
UTC 2024-01-18 11:13:39.520
Mean = 1011.307
σ = 23.653
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.35
max = mean + 0.75 σ = 1029.046
Moon angle =139.06°
Moon phase =53.5%
Azimuth =86.29°
Elevation =58.37°
Hour Angle =-02:26:04.97°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

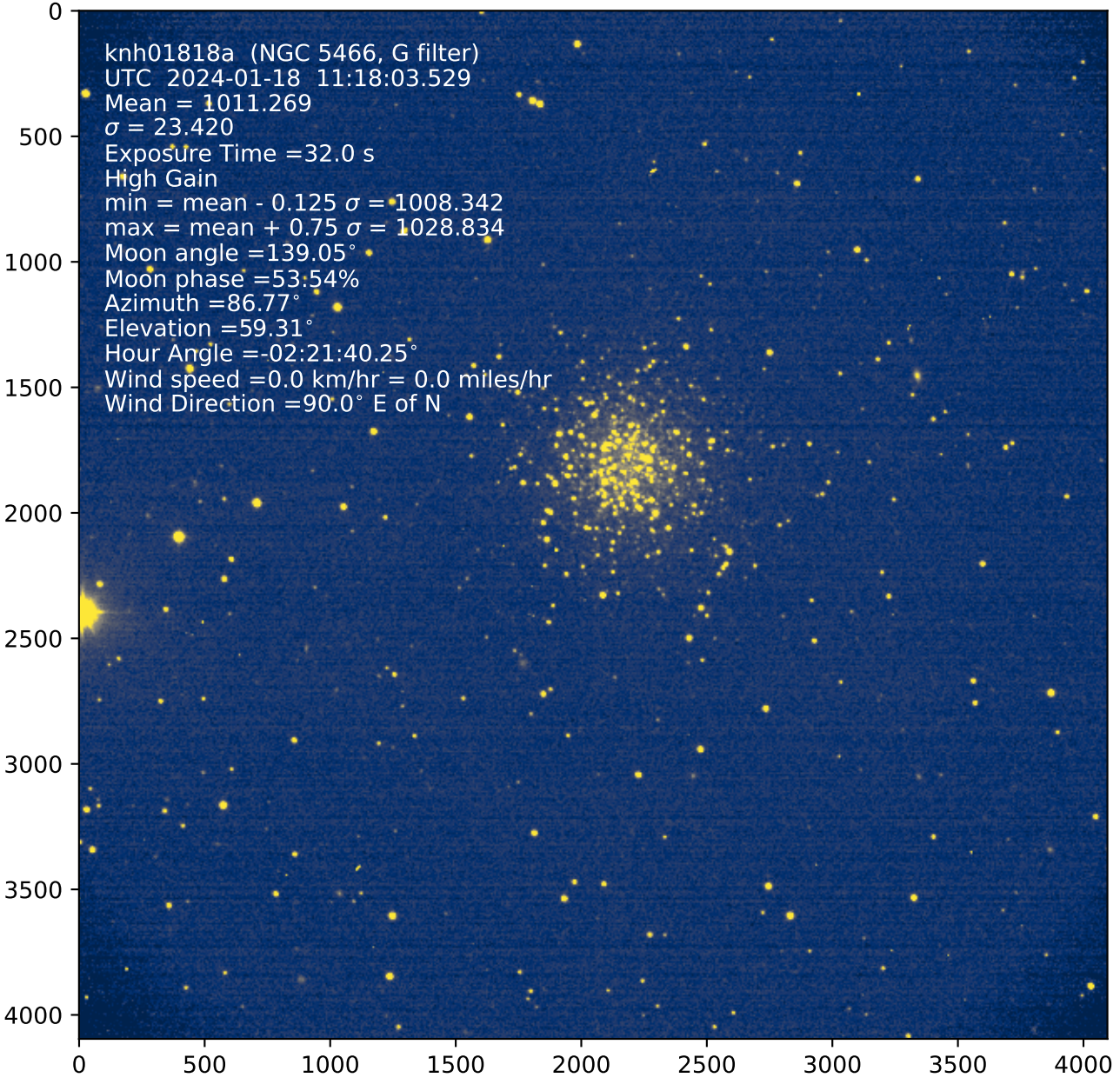

knh01818f (NGC 5466, G filter)
UTC 2024-01-18 11:14:23.429
Mean = 1011.368
σ = 23.593
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.418
max = mean + 0.75 σ = 1029.063
Moon angle =139.06°
Moon phase =53.51%
Azimuth =86.37°
Elevation =58.53°
Hour Angle =-02:25:20.85°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

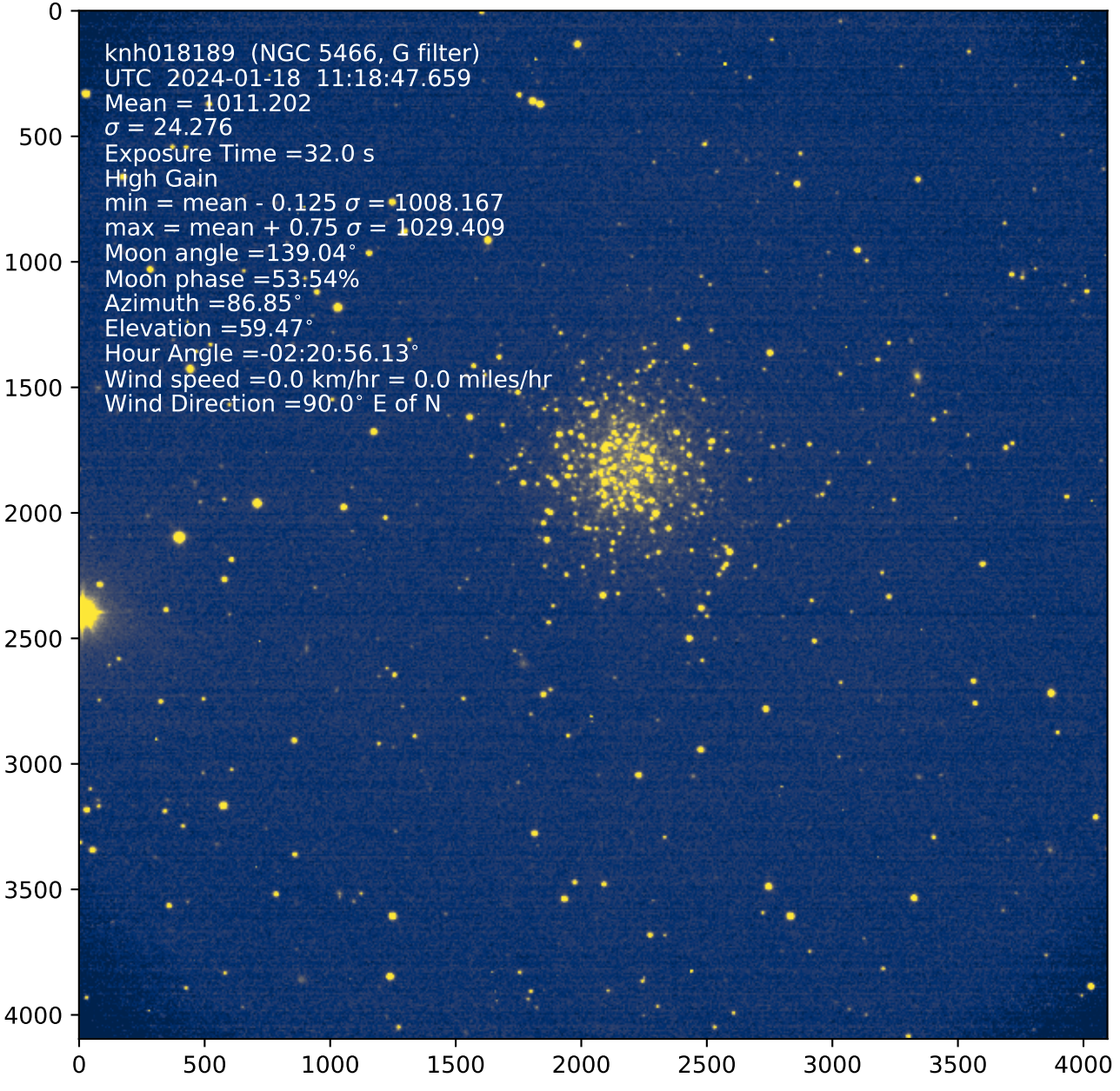

knh01818e (NGC 5466, G filter)
UTC 2024-01-18 11:15:07.669
Mean = 1011.346
σ = 23.501
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.409
max = mean + 0.75 σ = 1028.972
Moon angle =139.05°
Moon phase =53:51%
Azimuth =86.45°
Elevation =58.69°
Hour Angle =-02:24:36.73°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

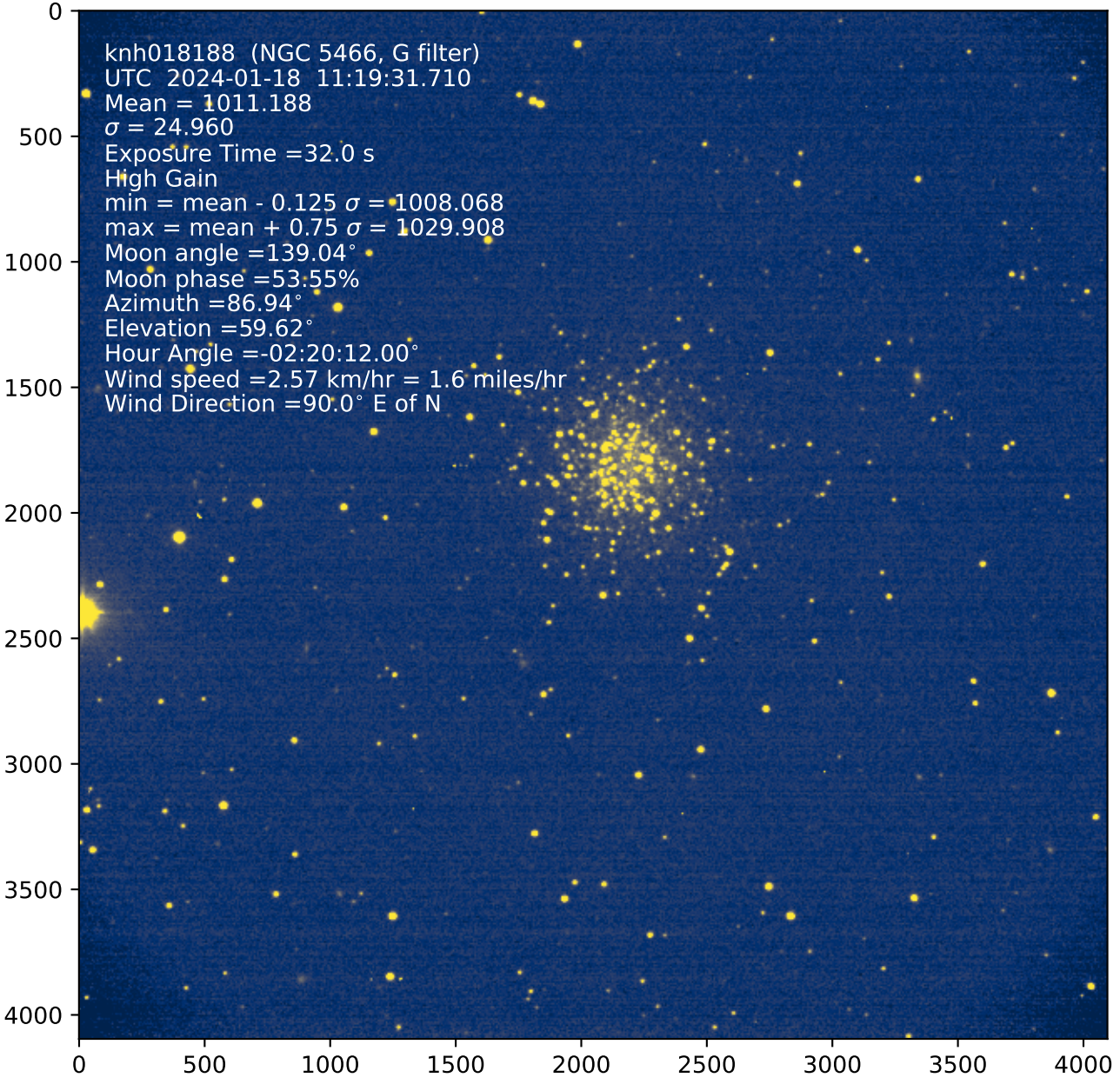

knh01818d (NGC 5466, G filter)
UTC 2024-01-18 11:15:51.649
Mean = 1011.301
σ = 22.739
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.458
max = mean + 0.75 σ = 1028.355
Moon angle =139.05°
Moon phase =53:52%
Azimuth =86.53°
Elevation =58.84°
Hour Angle =-02:23:52.61°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

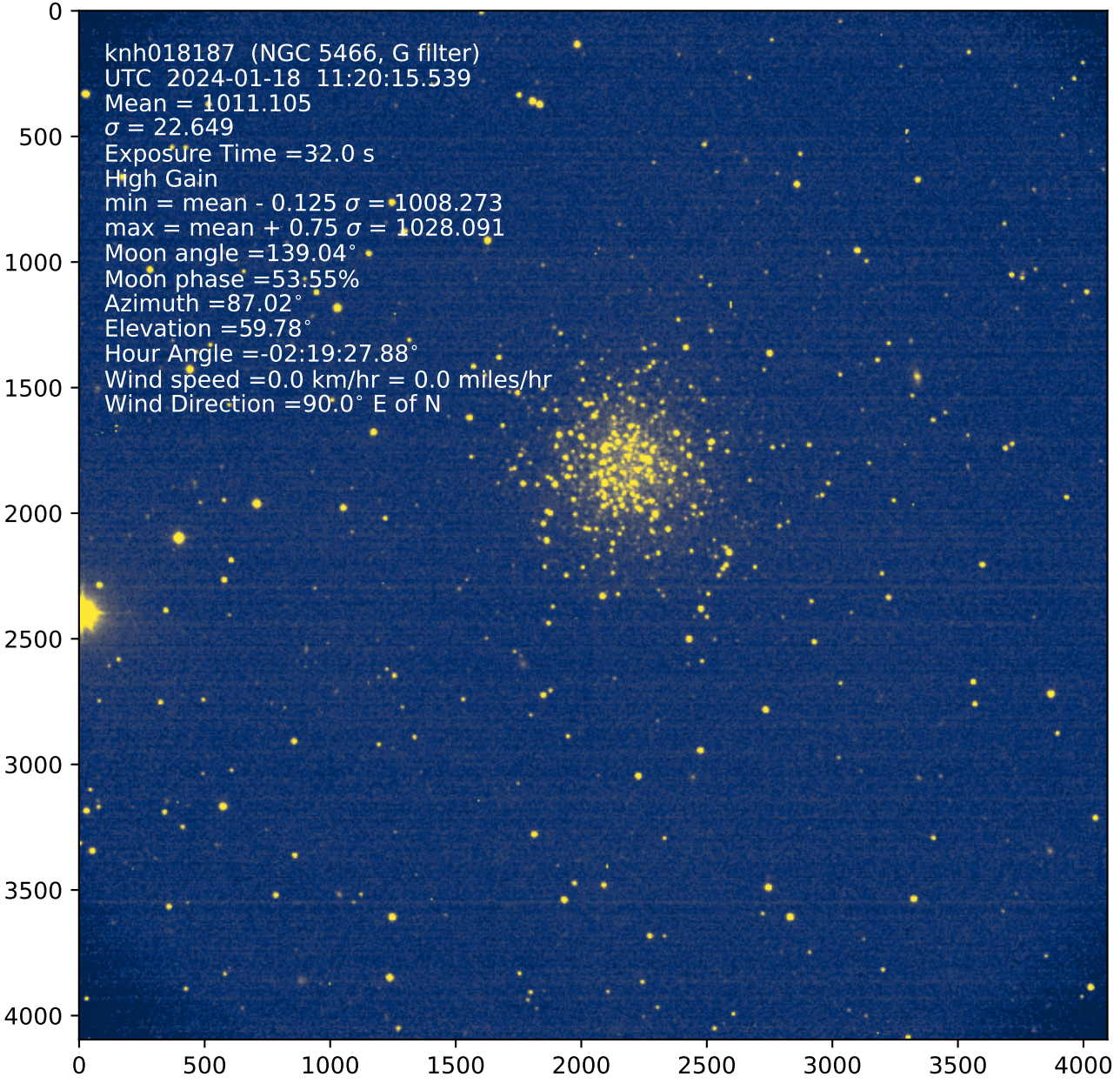

knh01818c (NGC 5466, G filter)
UTC 2024-01-18 11:16:35.670
Mean = 1011.274
σ = 22.930
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.408
max = mean + 0.75 σ = 1028.471
Moon angle =139.05°
Moon phase =53:52%
Azimuth =86.61°
Elevation =59.0°
Hour Angle =-02:23:08.49°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh01818b (NGC 5466, G filter)
UTC 2024-01-18 11:17:19.260
Mean = 1011.279
σ = 23.837
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.299
max = mean + 0.75 σ = 1029.157
Moon angle =139.05°
Moon phase =53.53%
Azimuth =86.69°
Elevation =59.15°
Hour Angle =-02:22:24.37°
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


knh01818a (NGC 5466, G filter)
UTC 2024-01-18 11:18:03.529
Mean = 1011.269
σ = 23.420
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.342
max = mean + 0.75 σ = 1028.834
Moon angle =139.05°
Moon phase =53:54%
Azimuth =86.77°
Elevation =59.31°
Hour Angle =-02:21:40.25°
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


knh018189 (NGC 5466, G filter)
UTC 2024-01-18 11:18:47.659
Mean = 1011.202
σ = 24.276
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.167
max = mean + 0.75 σ = 1029.409
Moon angle =139.04°
Moon phase =53.54%
Azimuth =86.85°
Elevation =59.47°
Hour Angle =-02:20:56.13°
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


knh018188 (NGC 5466, G filter)
UTC 2024-01-18 11:19:31.710
Mean = 1011.188
σ = 24.960
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.068
max = mean + 0.75 σ = 1029.908
Moon angle =139.04°
Moon phase =53.55%
Azimuth =86.94°
Elevation =59.62°
Hour Angle =-02:20:12.00°
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


knh018187 (NGC 5466, G filter)
UTC 2024-01-18 11:20:15.539
Mean = 1011.105
σ = 22.649
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.273
max = mean + 0.75 σ = 1028.091
Moon angle =139.04°
Moon phase =53.55%
Azimuth =87.02°
Elevation =59.78°
Hour Angle =-02:19:27.88°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
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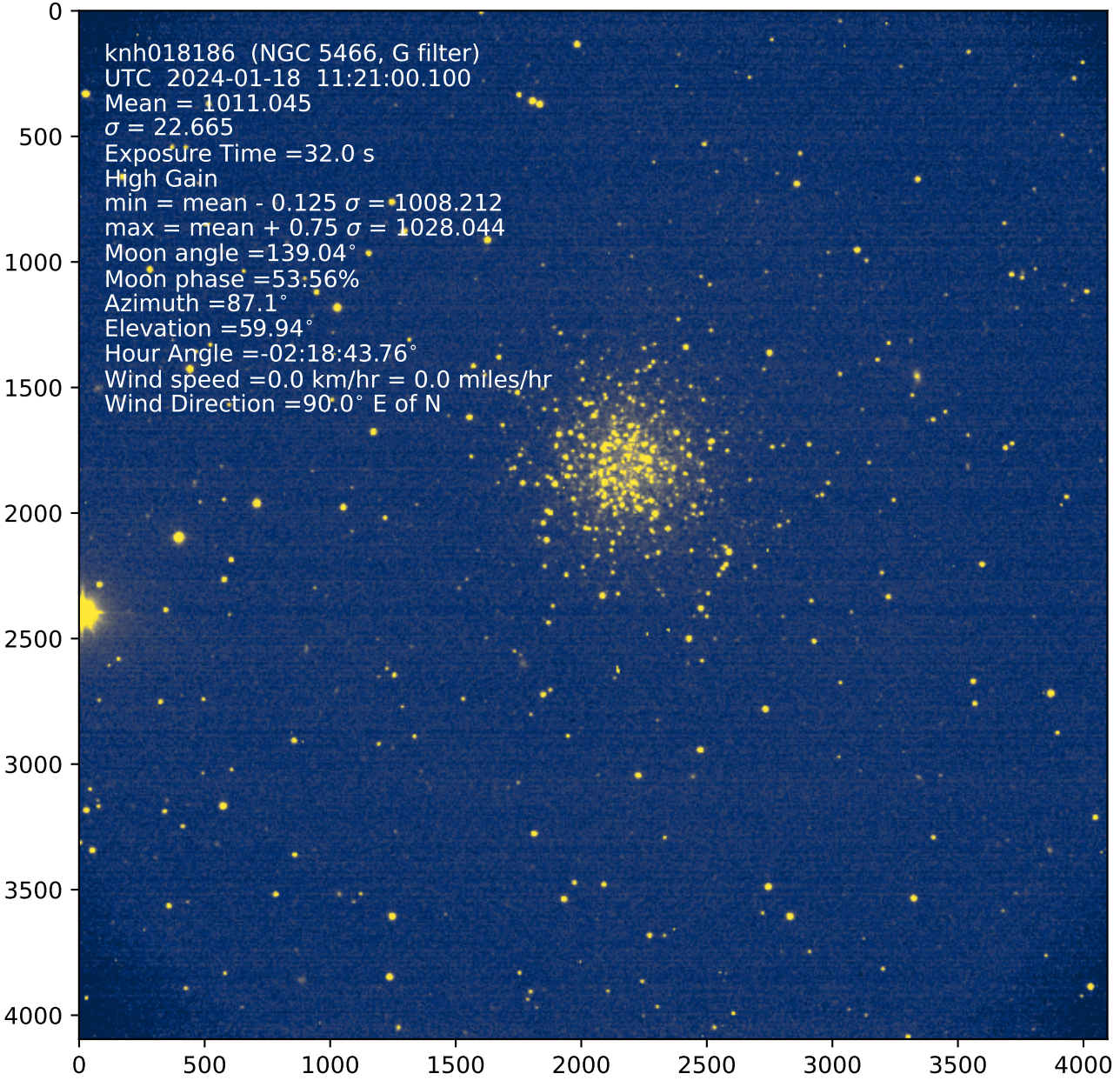
2000
2500
3000
3500
4000


knh018186 (NGC 5466, G filter)
UTC 2024-01-18 11:21:00.100
Mean = 1011.045
σ = 22.665
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.212
max = mean + 0.75 σ = 1028.044
Moon angle =139.04°
Moon phase =53.56%
Azimuth =87.1°
Elevation =59.94°
Hour Angle =-02:18:43.76°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
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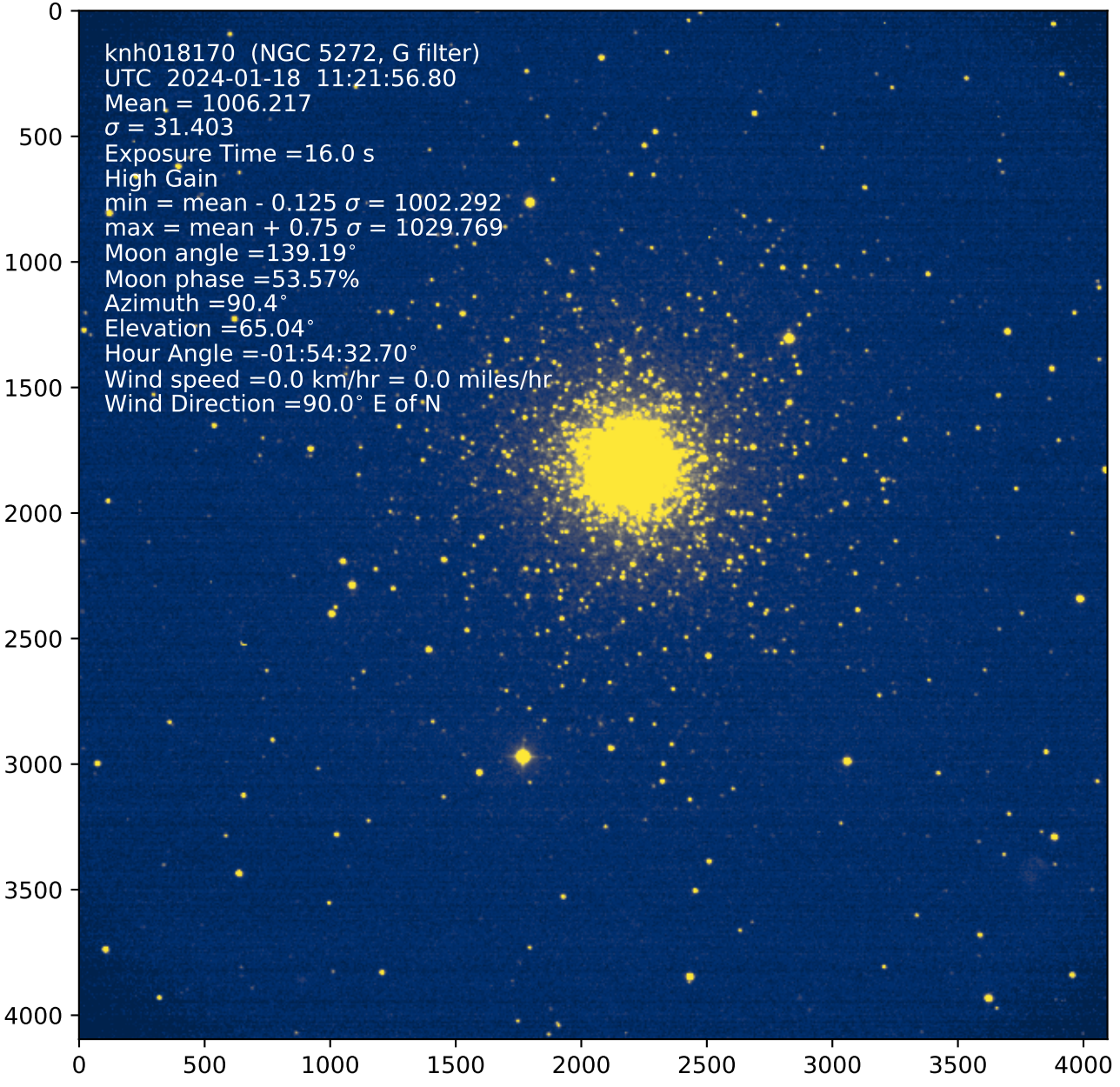
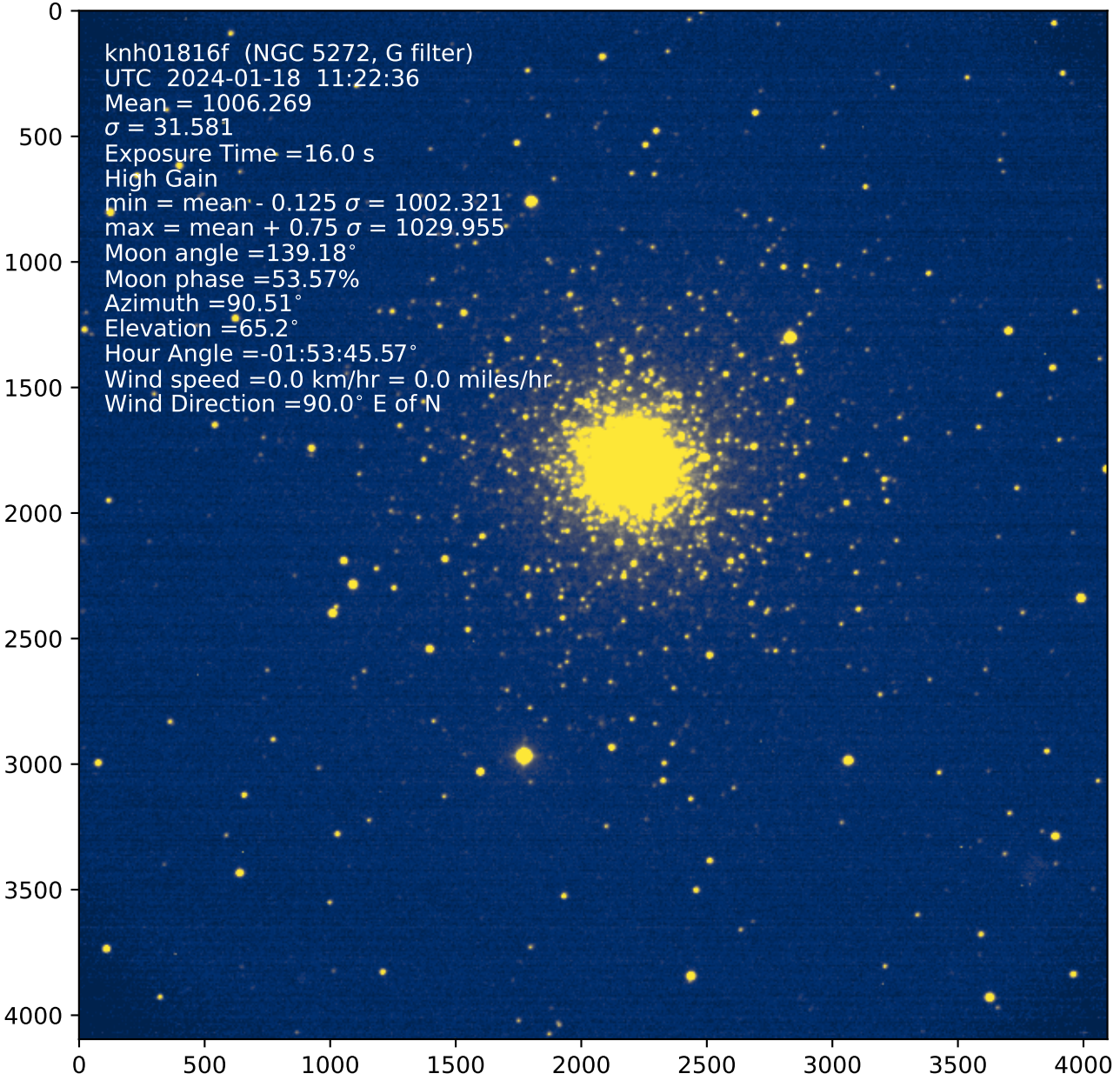
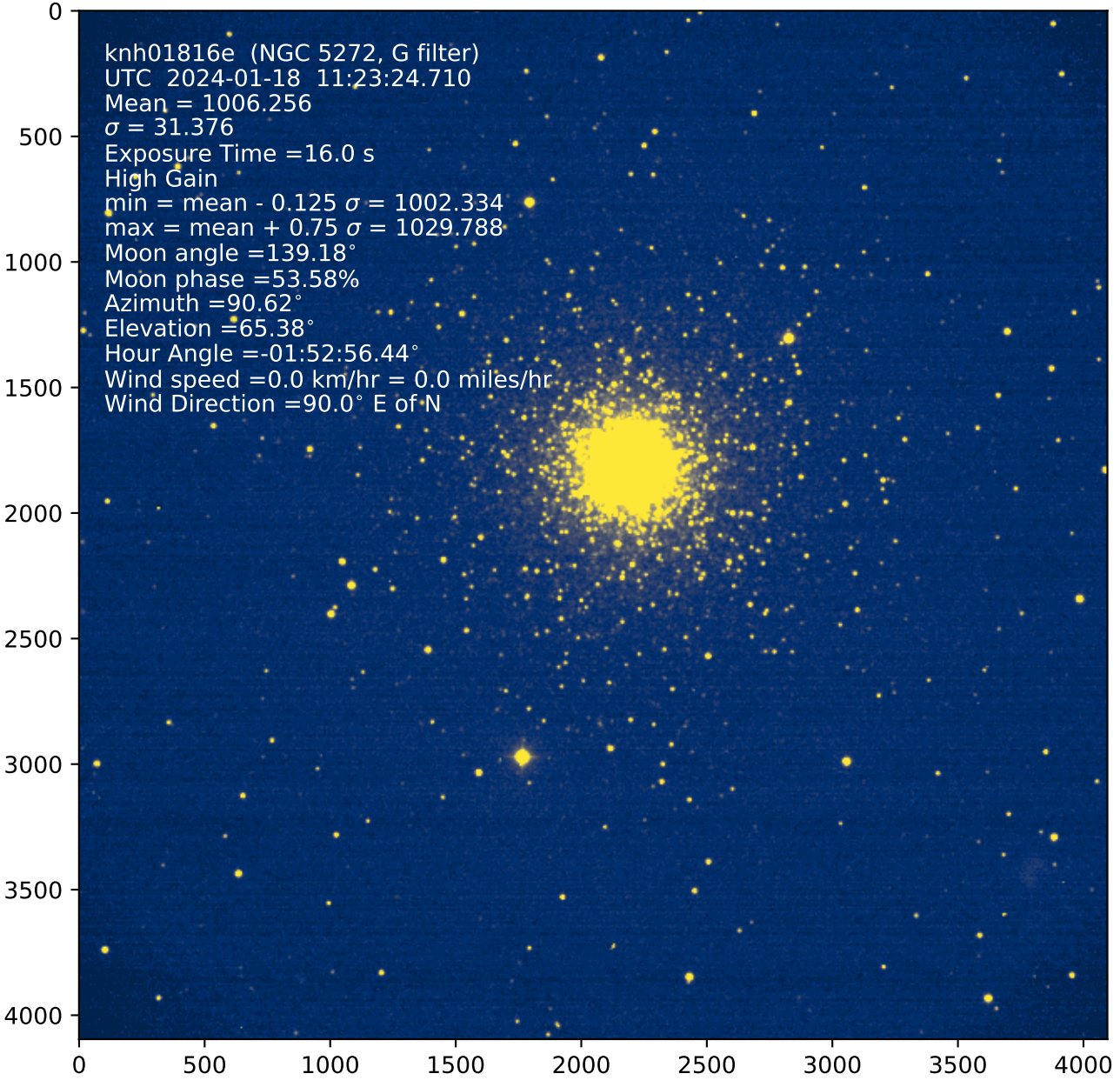
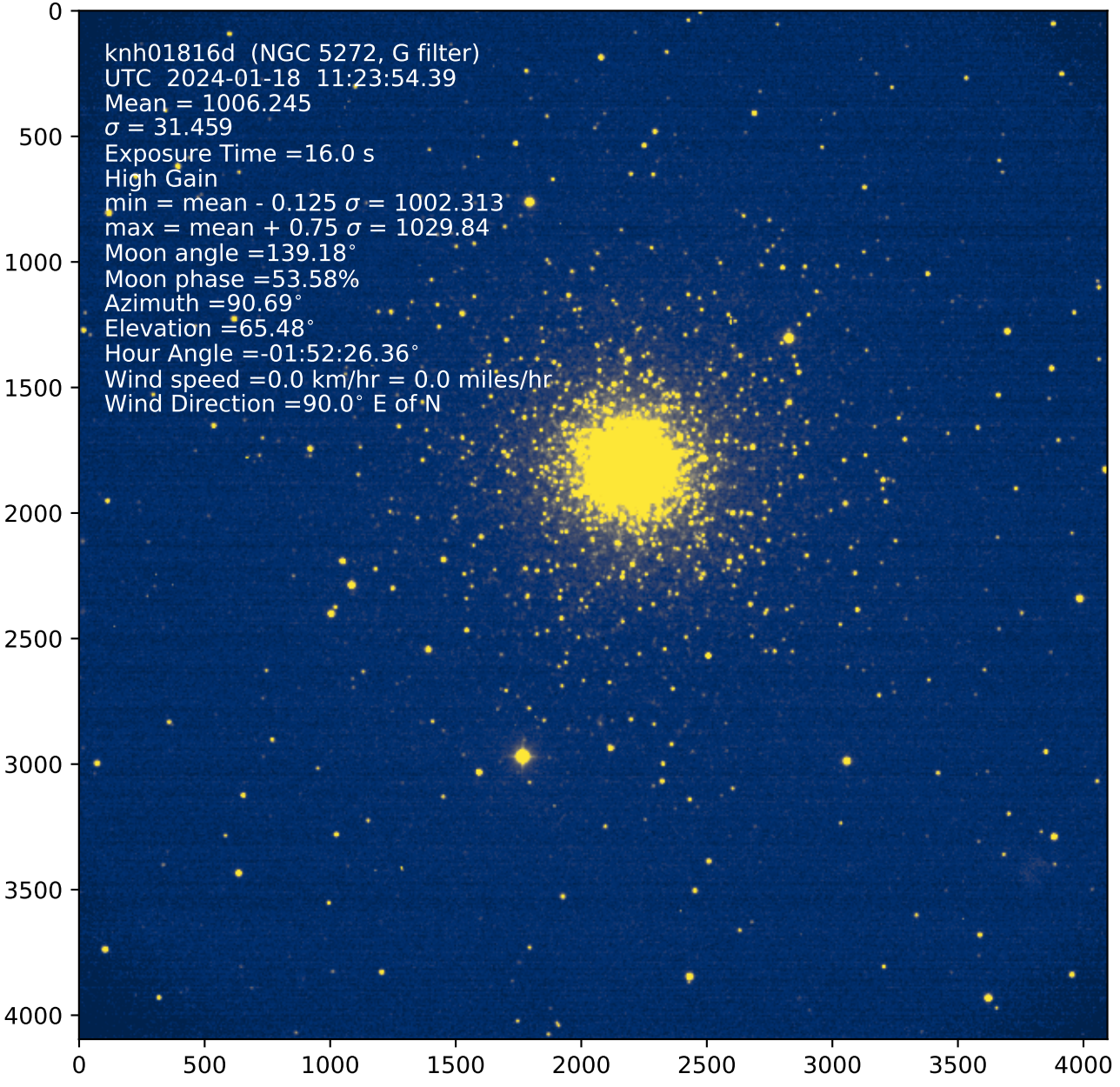
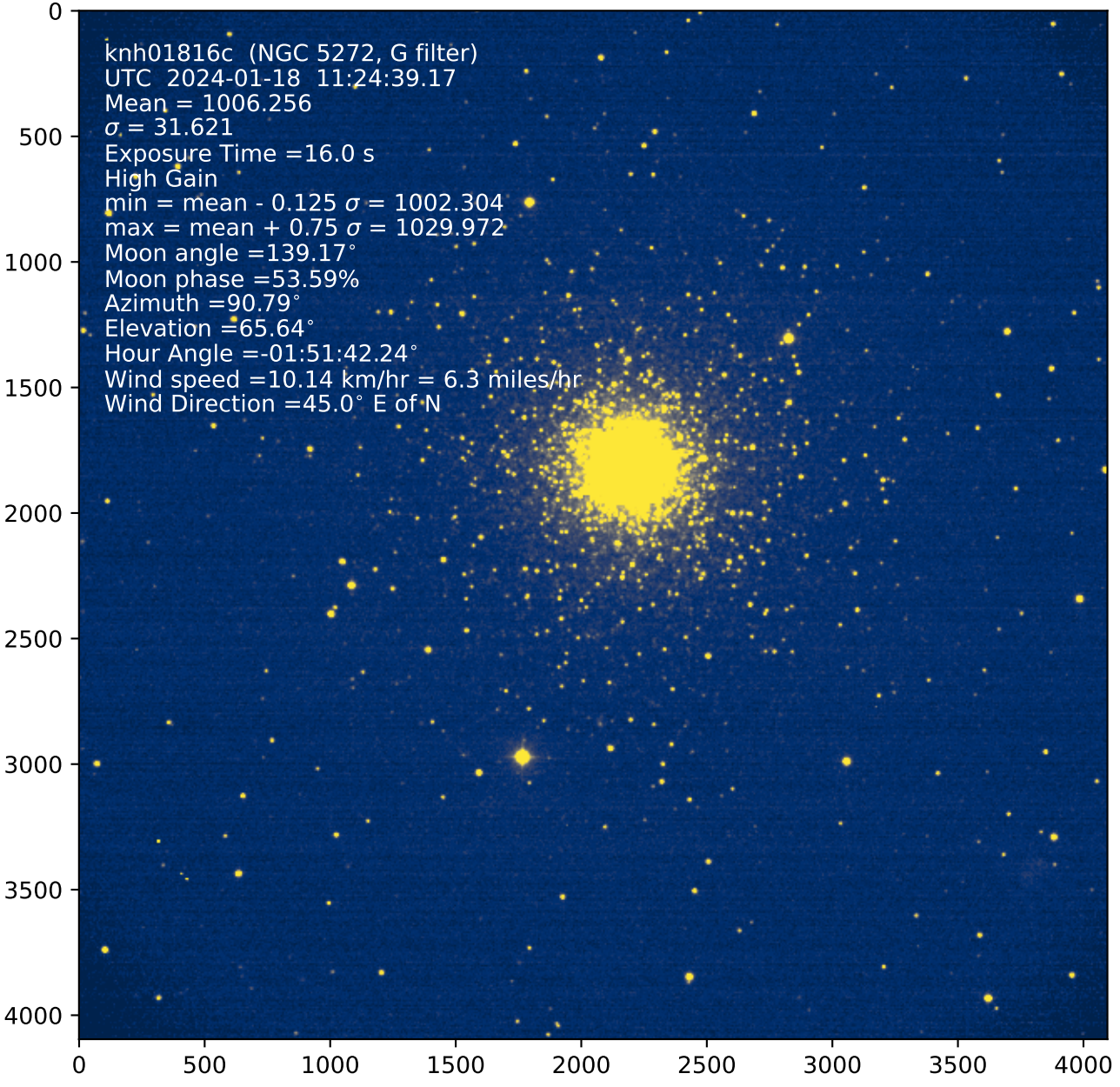
2500
3000
3500
4000

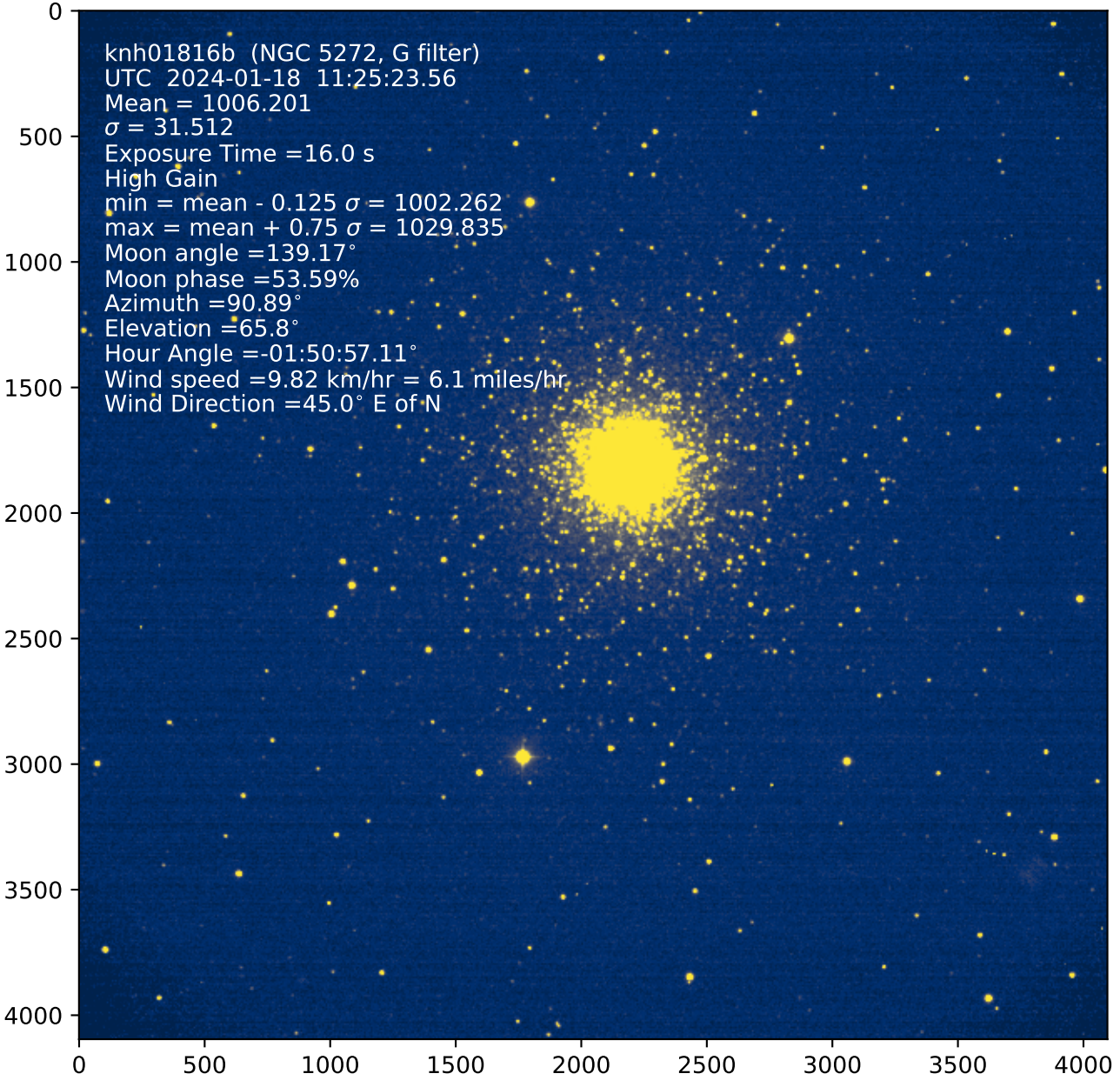

knh018170 (NGC 5272, G filter)
UTC 2024-01-18 11:21:56.80
Mean = 1006.217
σ = 31.403
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.292
max = mean + 0.75 σ = 1029.769
Moon angle =139.19°
Moon phase =53.57%
Azimuth =90.4°
Elevation =65.04°
Hour Angle =-01:54:32.70°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

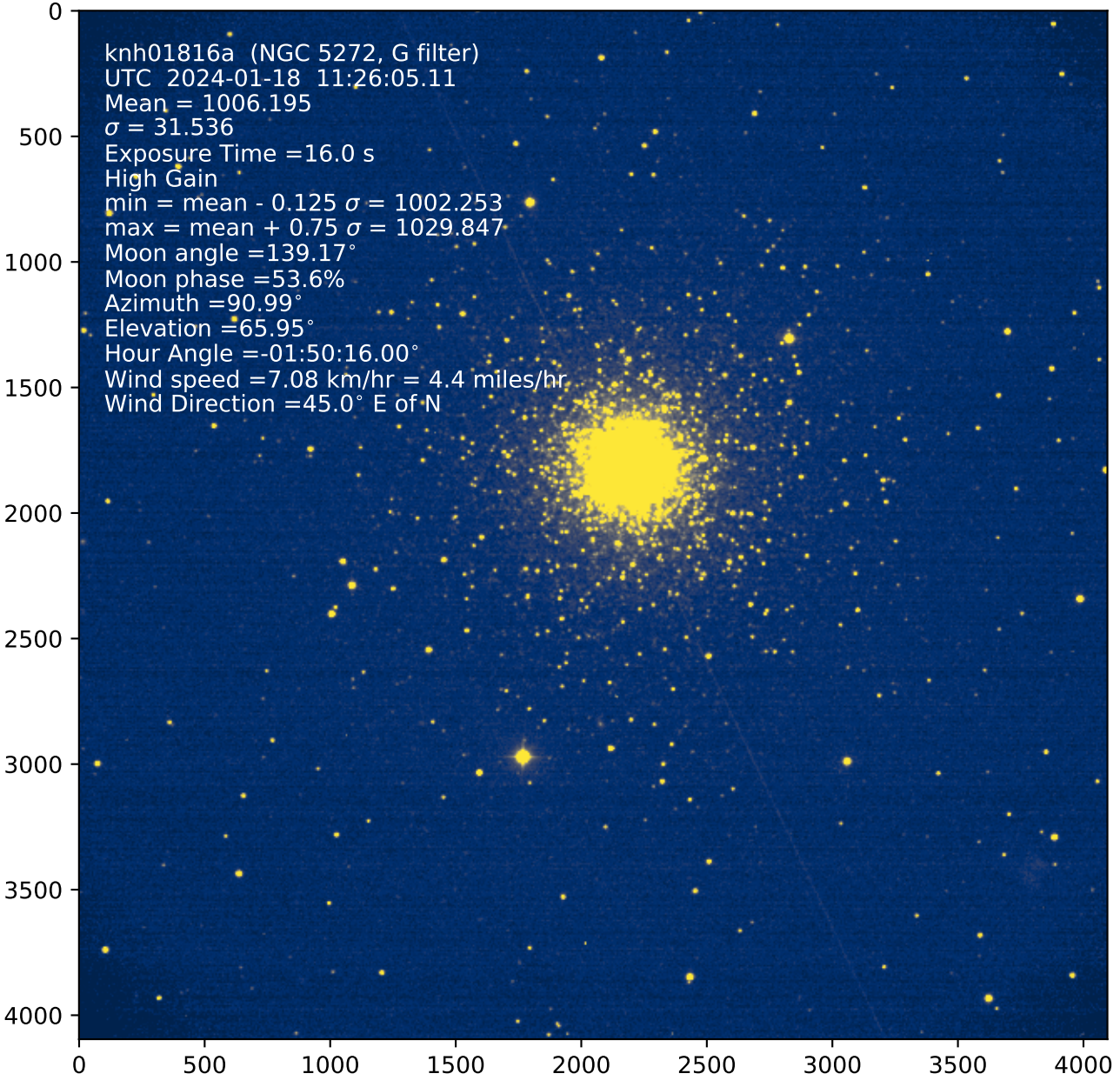

knh01816f (NGC 5272, G filter)
UTC 2024-01-18 11:22:36
Mean = 1006.269
σ = 31.581
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.321
max = mean + 0.75 σ = 1029.955
Moon angle =139.18°
Moon phase =53.57%
Azimuth =90.51°
Elevation =65.2°
Hour Angle =-01:53:45.57°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

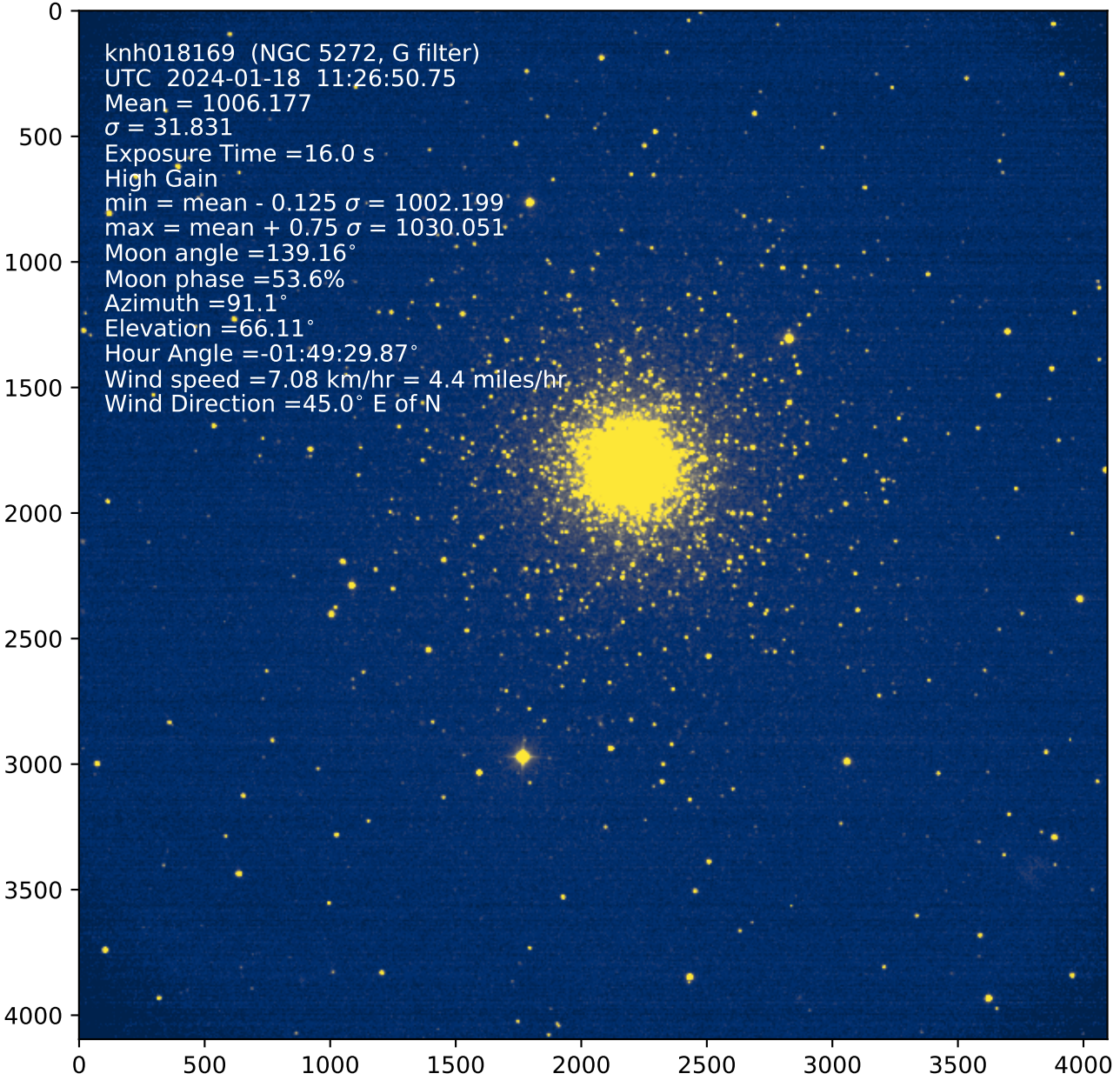

knh01816e (NGC 5272, G filter)
UTC 2024-01-18 11:23:24.710
Mean = 1006.256
σ = 31.376
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.334
max = mean + 0.75 σ = 1029.788
Moon angle =139.18°
Moon phase =53.58%
Azimuth =90.62°
Elevation =65.38°
Hour Angle =-01:52:56.44°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

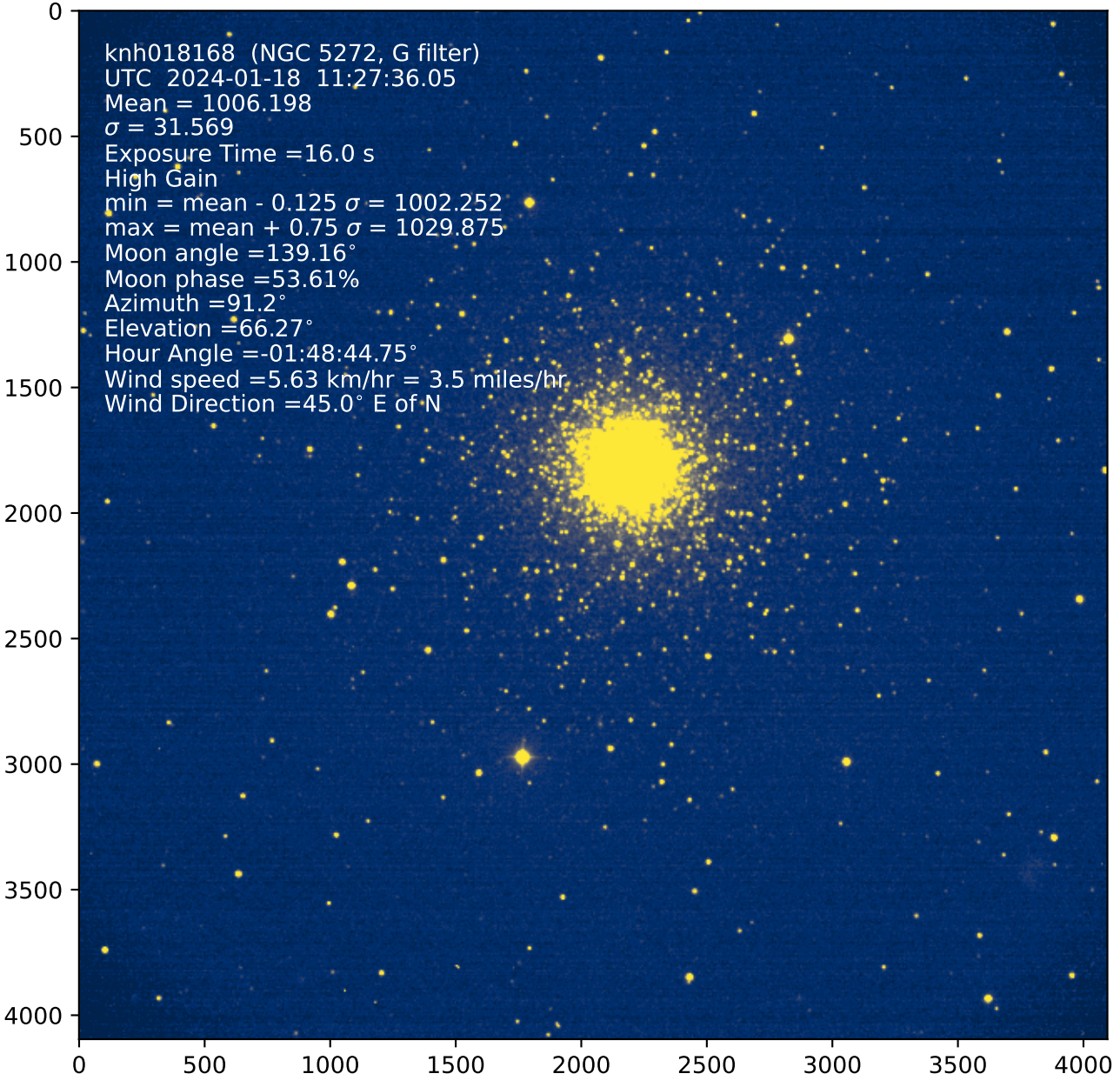

knh01816d (NGC 5272, G filter)
UTC 2024-01-18 11:23:54.39
Mean = 1006.245
σ = 31.459
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.313
max = mean + 0.75 σ = 1029.84
Moon angle =139.18°
Moon phase =53.58%
Azimuth =90.69°
Elevation =65.48°
Hour Angle =-01:52:26.36°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

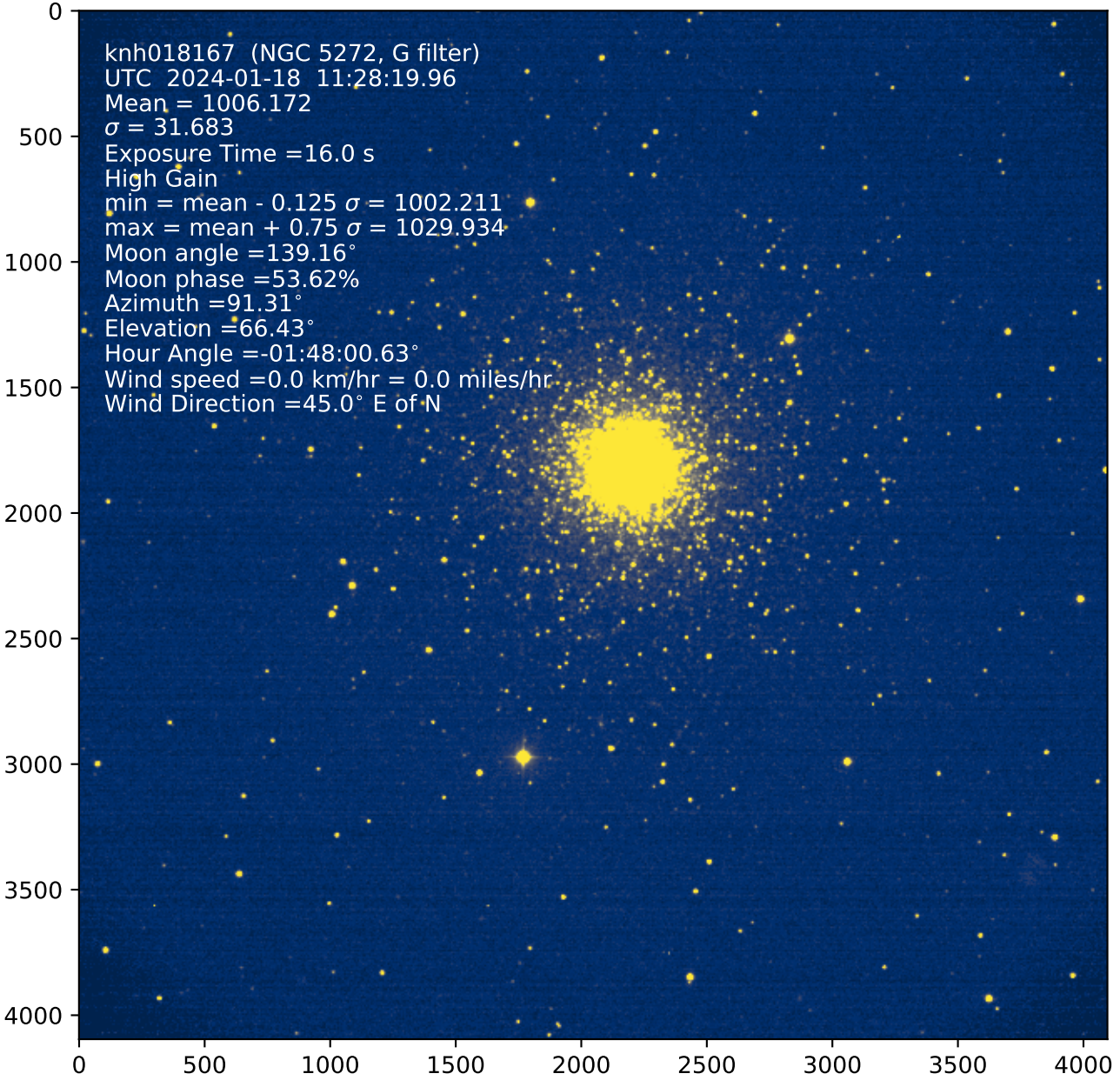

knh01816c (NGC 5272, G filter)
UTC 2024-01-18 11:24:39.17
Mean = 1006.256
σ = 31.621
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.304
max = mean + 0.75 σ = 1029.972
Moon angle =139.17°
Moon phase =53.59%
Azimuth =90.79°
Elevation =65.64°
Hour Angle =-01:51:42.24°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

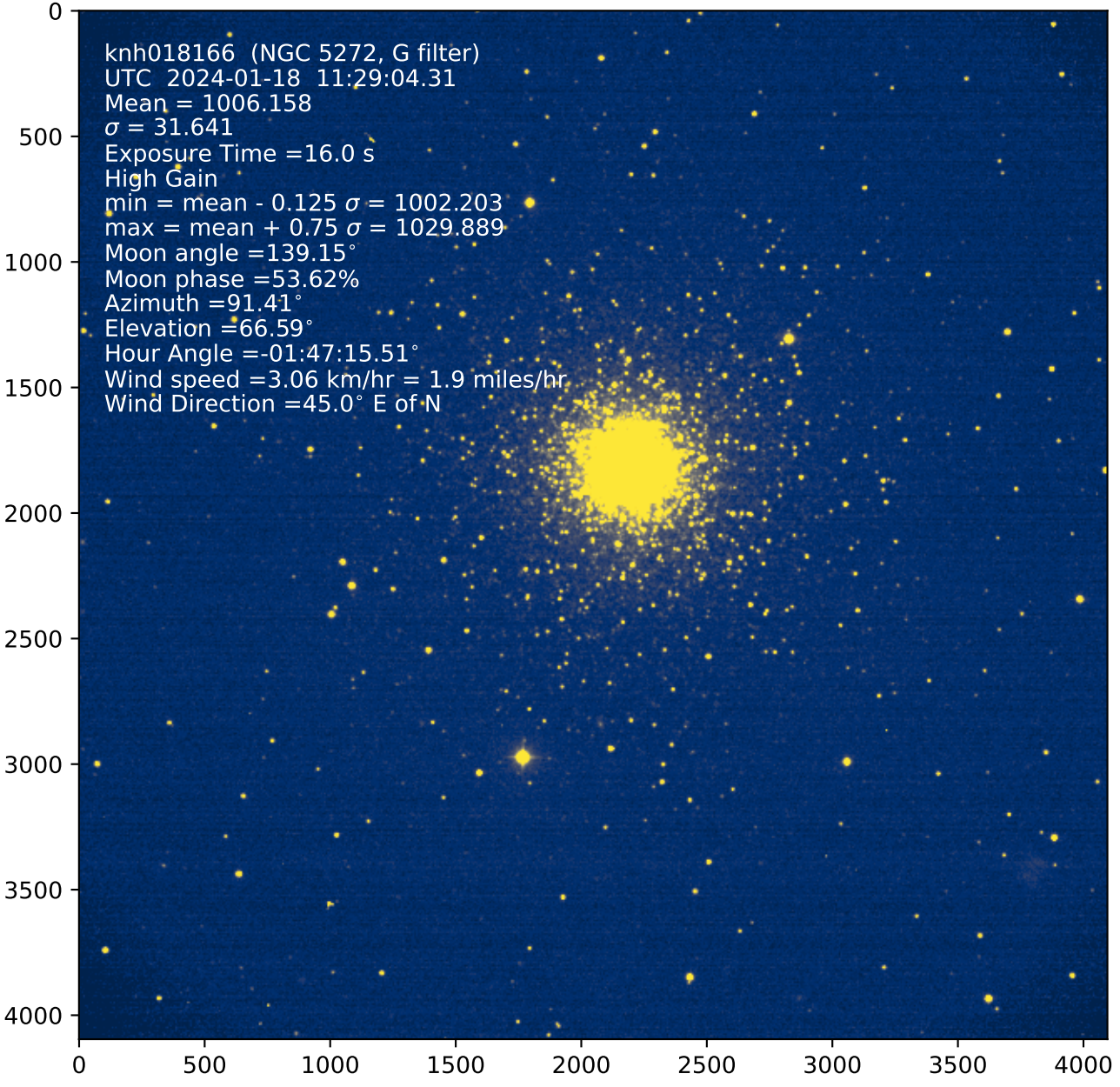

knh01816b (NGC 5272, G filter)
UTC 2024-01-18 11:25:23.56
Mean = 1006.201
σ = 31.512
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.262
max = mean + 0.75 σ = 1029.835
Moon angle =139.17°
Moon phase =53.59%
Azimuth =90.89°
Elevation =65.8°
Hour Angle =-01:50:57.11°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

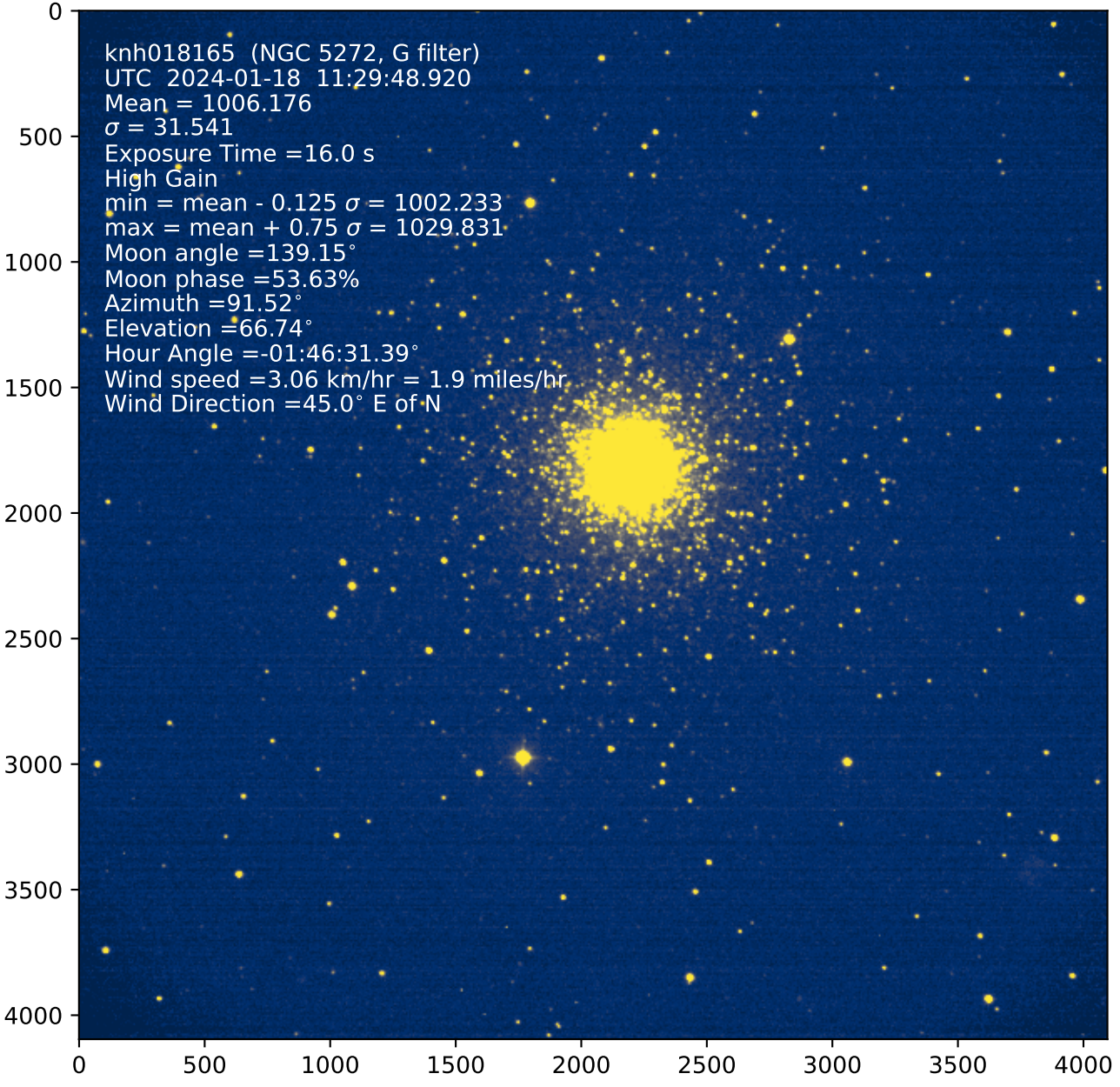

knh01816a (NGC 5272, G filter)
UTC 2024-01-18 11:26:05.11
Mean = 1006.195
σ = 31.536
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.253
max = mean + 0.75 σ = 1029.847
Moon angle =139.17°
Moon phase =53.6%
Azimuth =90.99°
Elevation =65.95°
Hour Angle =-01:50:16.00°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

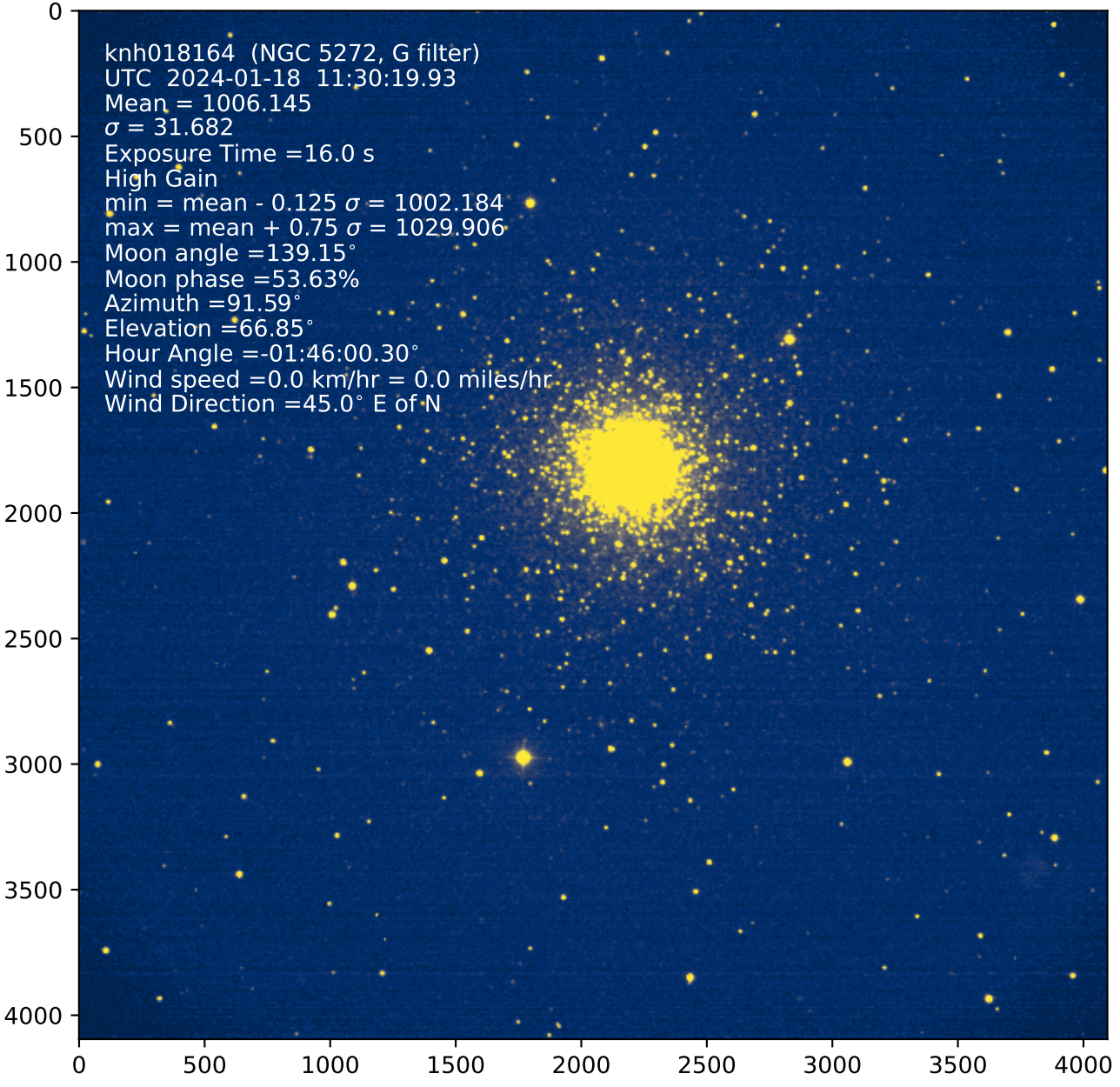

knh018169 (NGC 5272, G filter)
UTC 2024-01-18 11:26:50.75
Mean = 1006.177
σ = 31.831
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.199
max = mean + 0.75 σ = 1030.051
Moon angle =139.16°
Moon phase =53.6%
Azimuth =91.1°
Elevation =66.11°
Hour Angle =-01:49:29.87°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

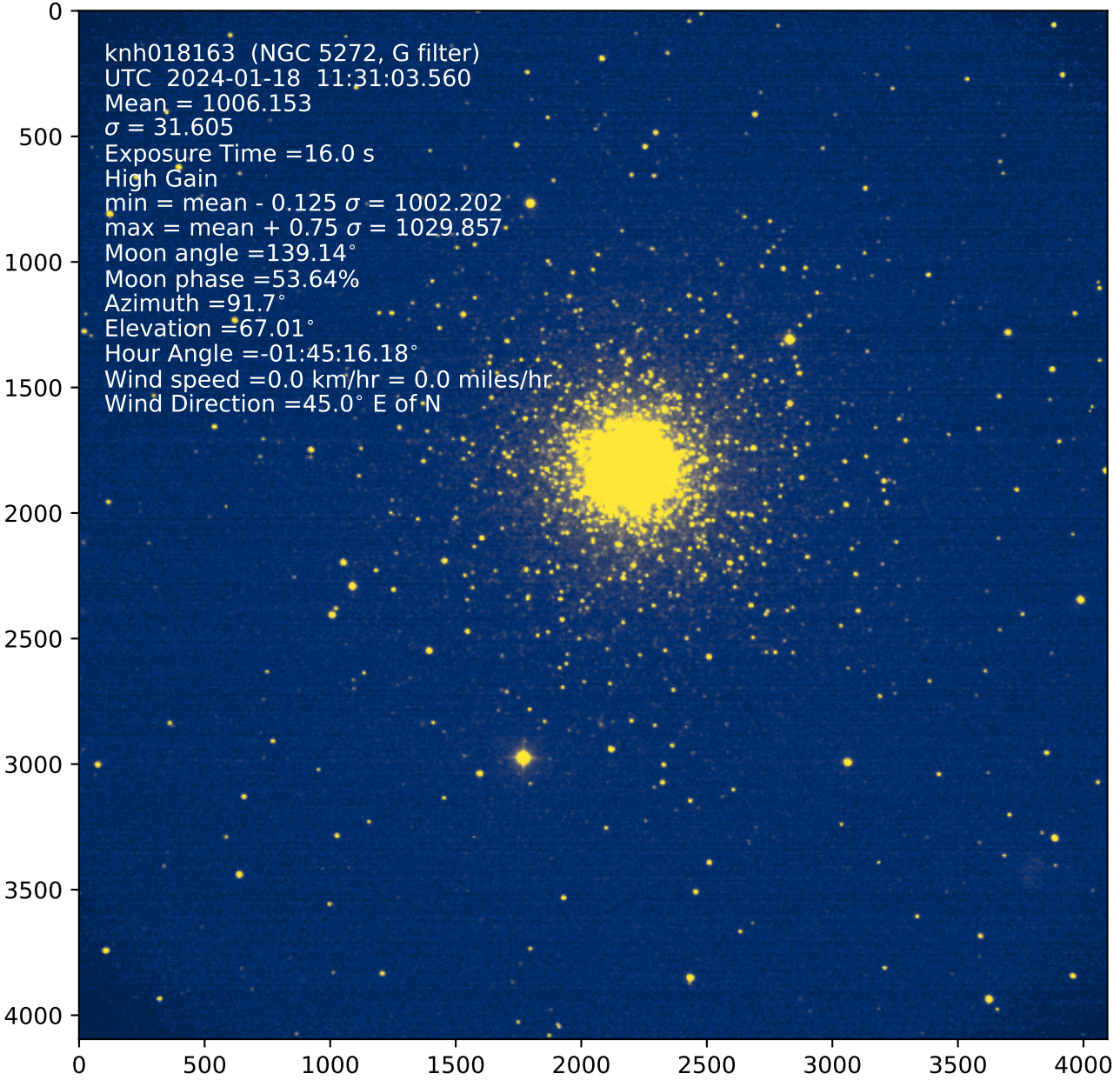

knh018168 (NGC 5272, G filter)
UTC 2024-01-18 11:27:36.05
Mean = 1006.198
σ = 31.569
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.252
max = mean + 0.75 σ = 1029.875
Moon angle =139.16°
Moon phase =53.61%
Azimuth =91.2°
Elevation =66.27°
Hour Angle =-01:48:44.75°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

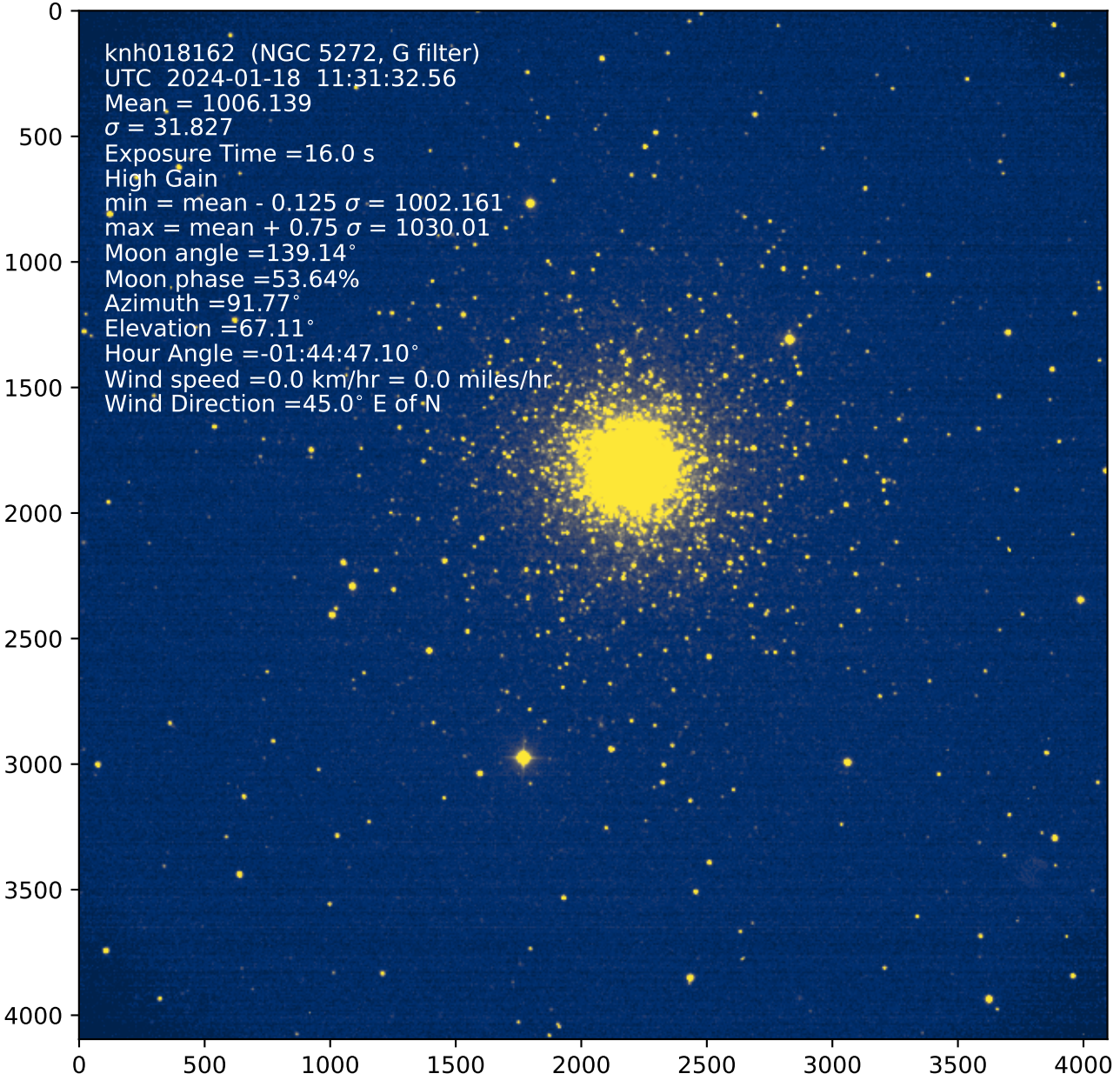

knh018167 (NGC 5272, G filter)
UTC 2024-01-18 11:28:19.96
Mean = 1006.172
σ = 31.683
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.211
max = mean + 0.75 σ = 1029.934
Moon angle =139.16°
Moon phase =53.62%
Azimuth =91.31°
Elevation =66.43°
Hour Angle =-01:48:00.63°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

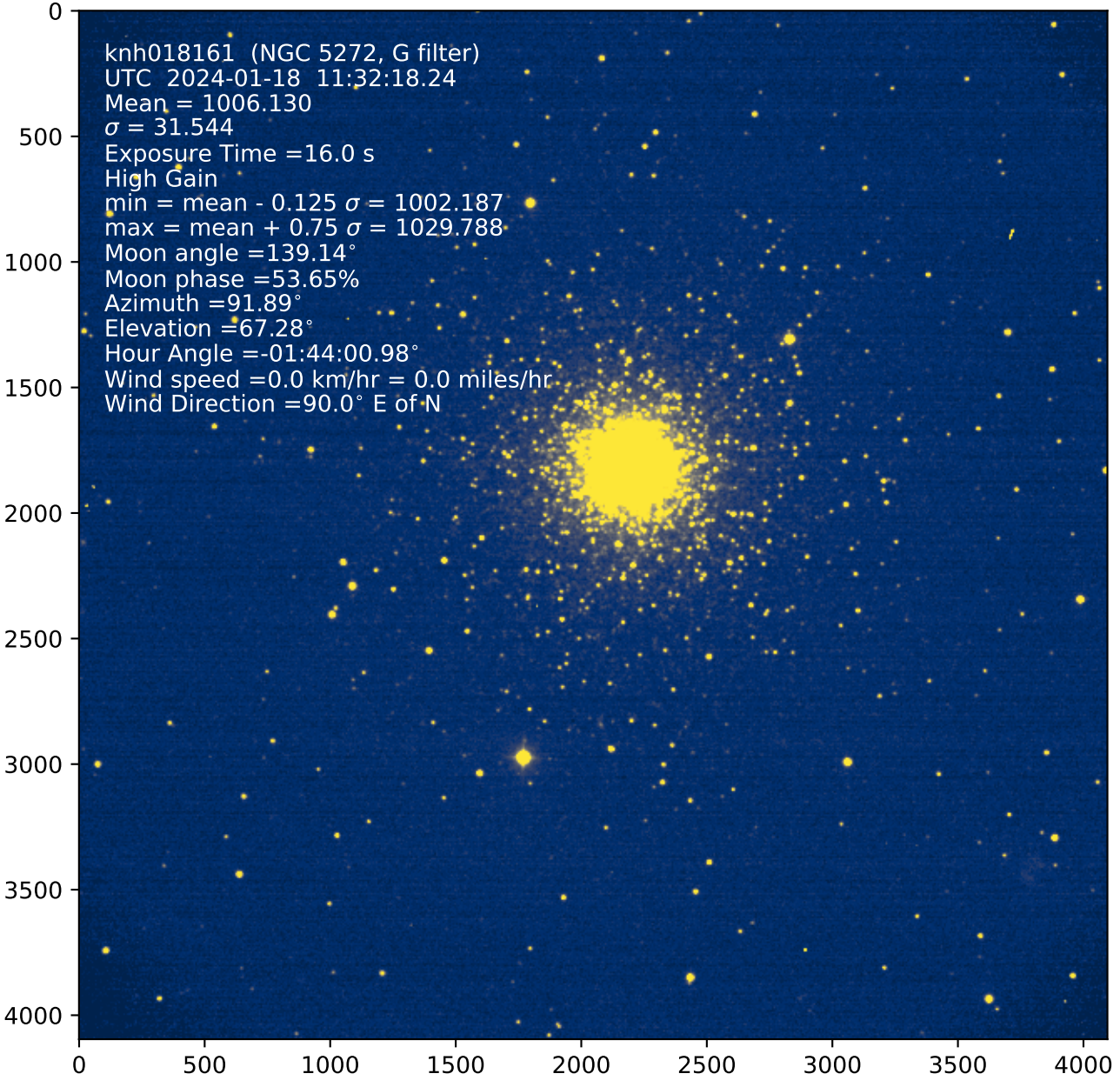

knh018166 (NGC 5272, G filter)
UTC 2024-01-18 11:29:04.31
Mean = 1006.158
σ = 31.641
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.203
max = mean + 0.75 σ = 1029.889
Moon angle =139.15°
Moon phase =53.62%
Azimuth =91.41°
Elevation =66.59°
Hour Angle =-01:47:15.51°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

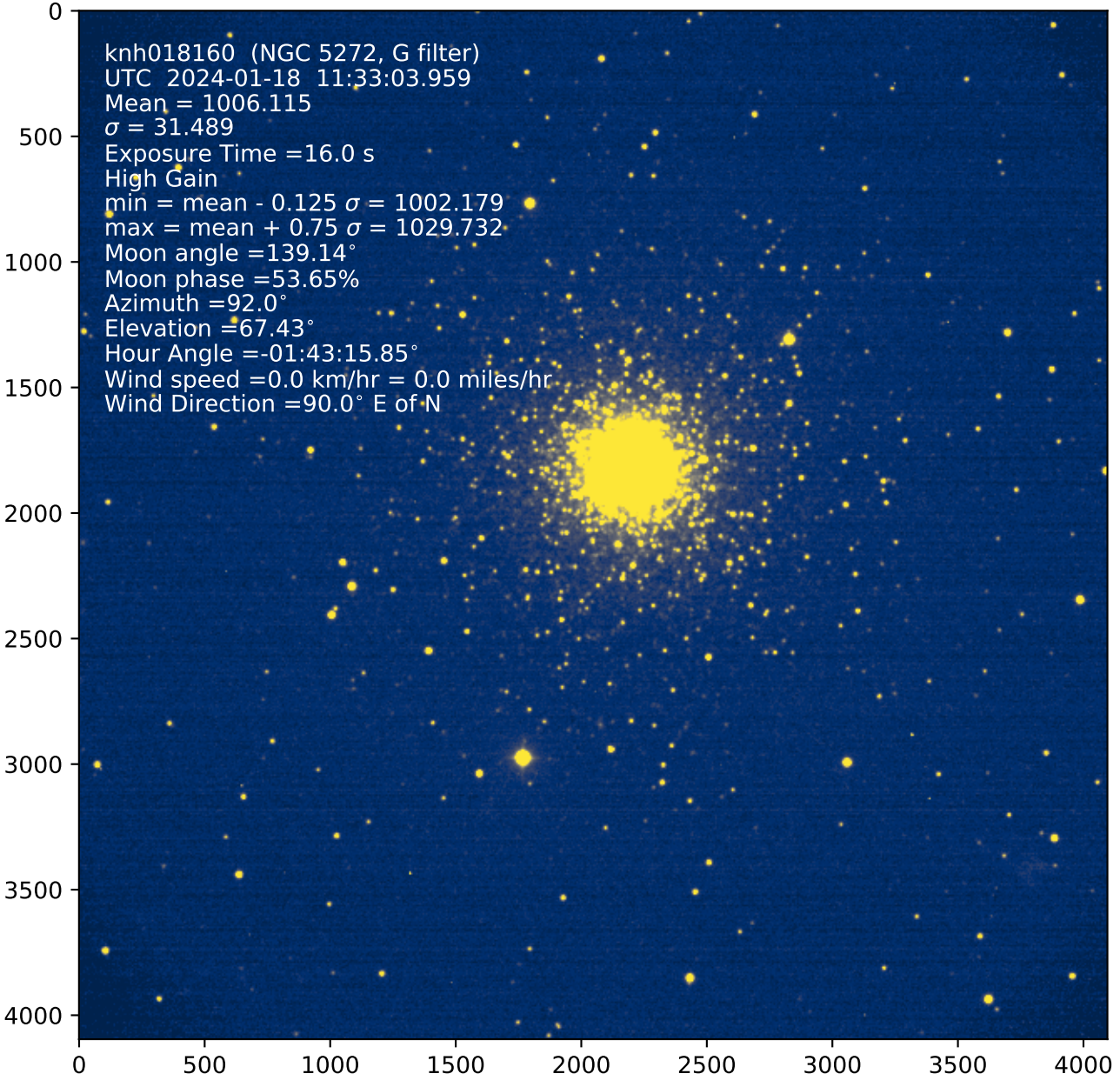

knh018165 (NGC 5272, G filter)
UTC 2024-01-18 11:29:48.920
Mean = 1006.176
σ = 31.541
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.233
max = mean + 0.75 σ = 1029.831
Moon angle =139.15°
Moon phase =53.63%
Azimuth =91.52°
Elevation =66.74°
Hour Angle =-01:46:31.39°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

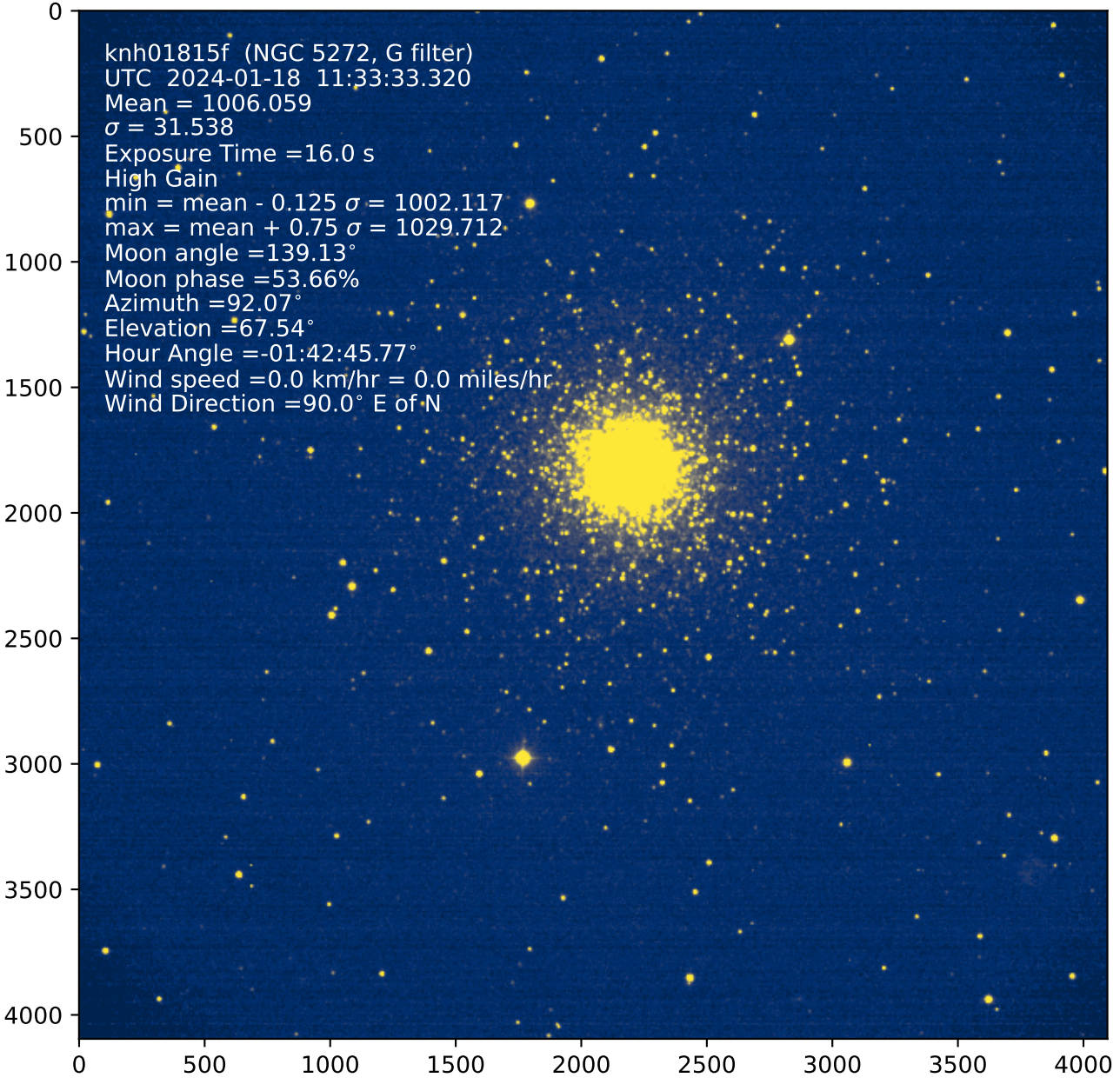

knh018164 (NGC 5272, G filter)
UTC 2024-01-18 11:30:19.93
Mean = 1006.145
σ = 31.682
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.184
max = mean + 0.75 σ = 1029.906
Moon angle =139.15°
Moon phase =53.63%
Azimuth =91.59°
Elevation =66.85°
Hour Angle =-01:46:00.30°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

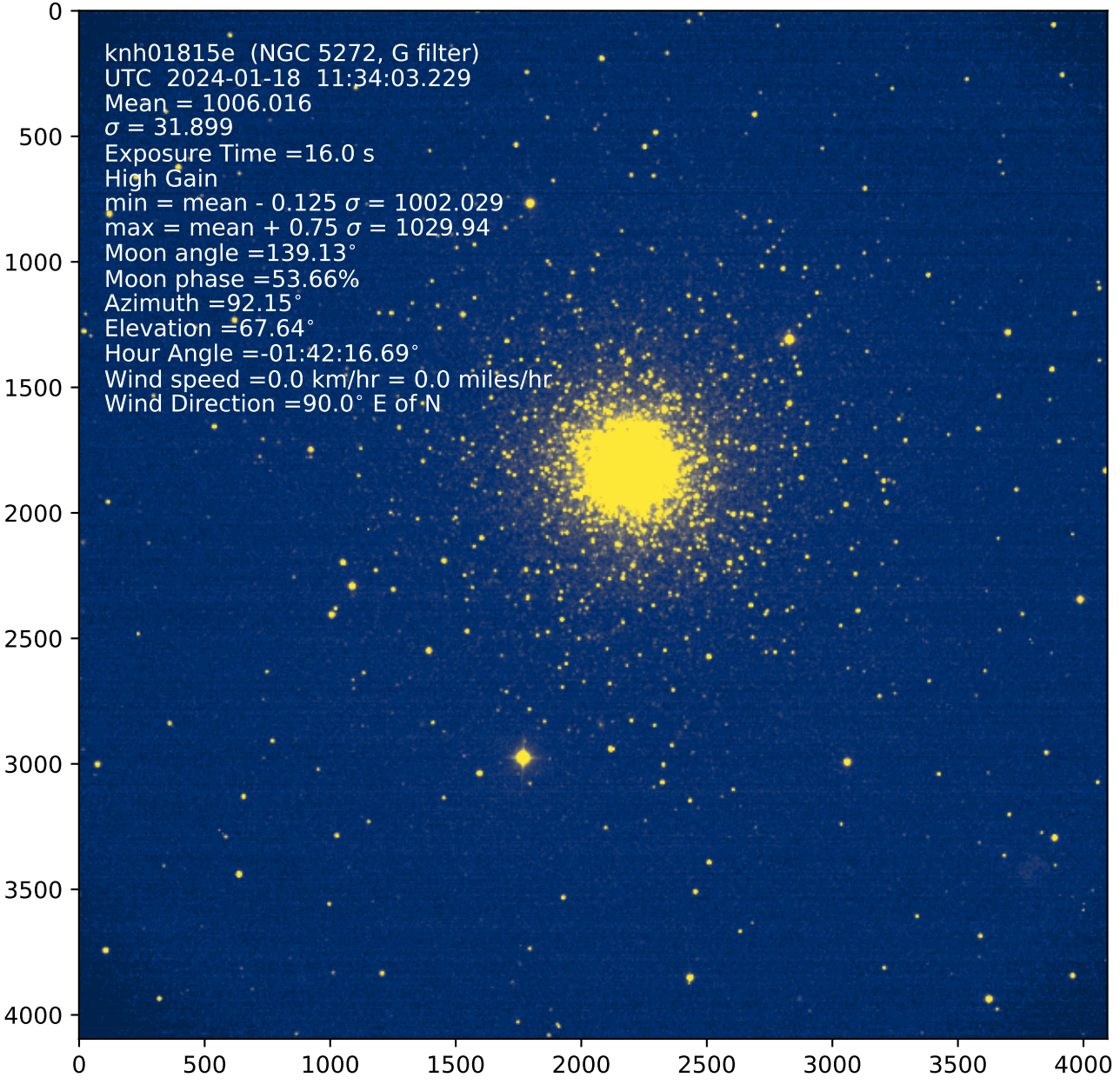

knh018163 (NGC 5272, G filter)
UTC 2024-01-18 11:31:03.560
Mean = 1006.153
σ = 31.605
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.202
max = mean + 0.75 σ = 1029.857
Moon angle =139.14°
Moon phase =53.64%
Azimuth =91.7°
Elevation =67.01°
Hour Angle =-01:45:16.18°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

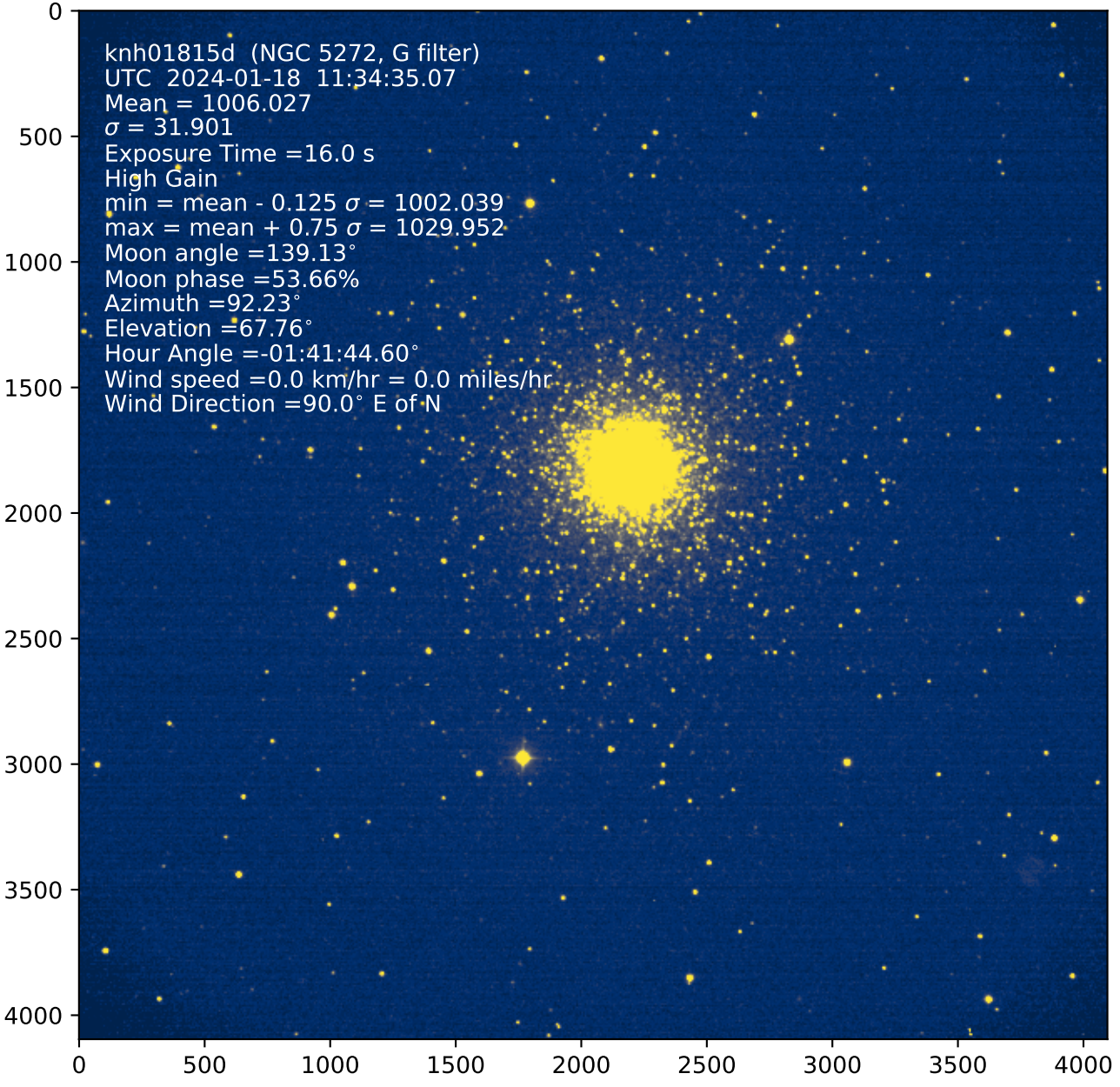

knh018162 (NGC 5272, G filter)
UTC 2024-01-18 11:31:32.56
Mean = 1006.139
σ = 31.827
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.161
max = mean + 0.75 σ = 1030.01
Moon angle =139.14°
Moon phase =53.64%
Azimuth =91.77°
Elevation =67.11°
Hour Angle =-01:44:47.10°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =45.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

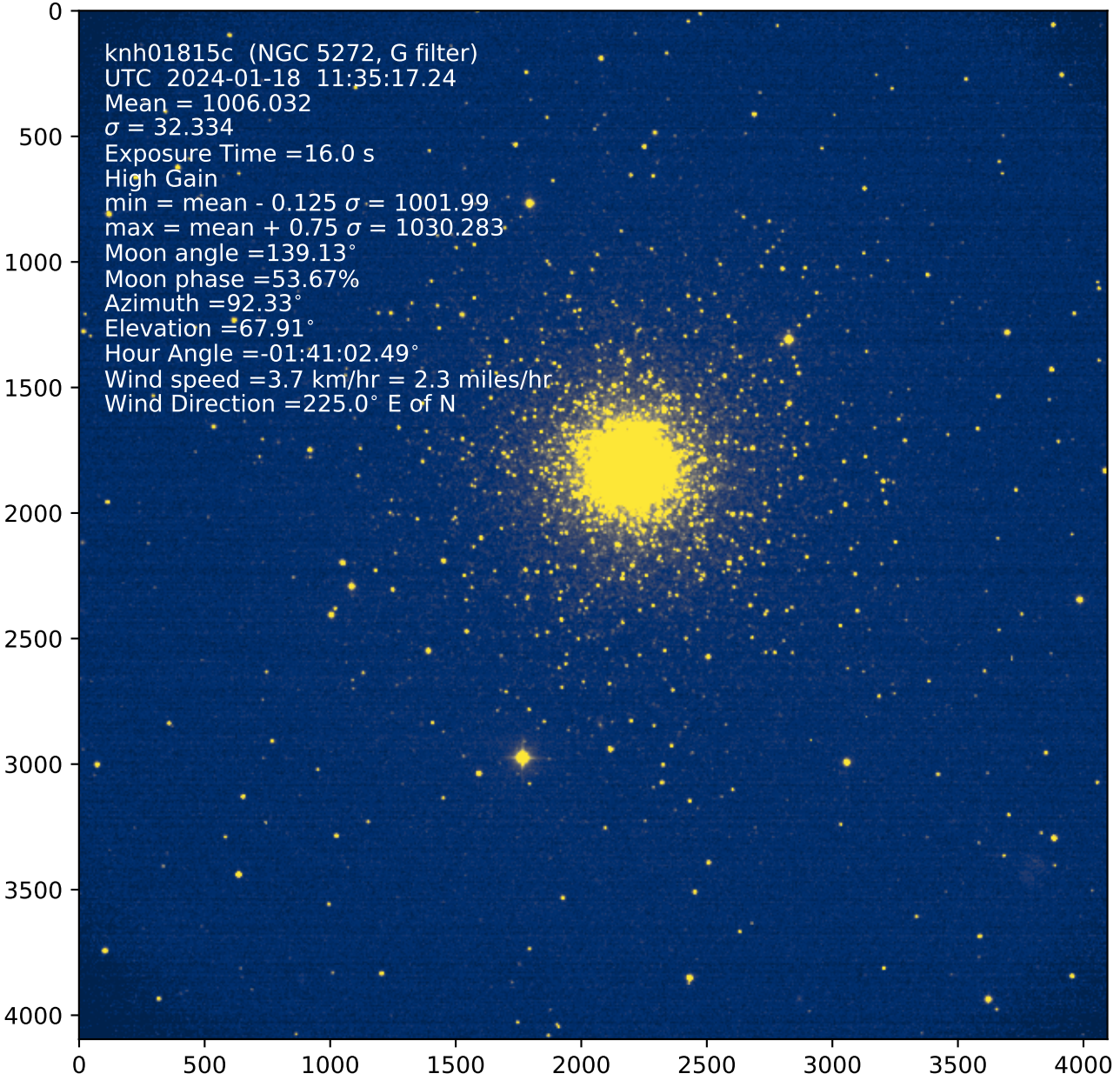

knh018161 (NGC 5272, G filter)
UTC 2024-01-18 11:32:18.24
Mean = 1006.130
σ = 31.544
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.187
max = mean + 0.75 σ = 1029.788
Moon angle =139.14°
Moon phase =53.65%
Azimuth =91.89°
Elevation =67.28°
Hour Angle =-01:44:00.98°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

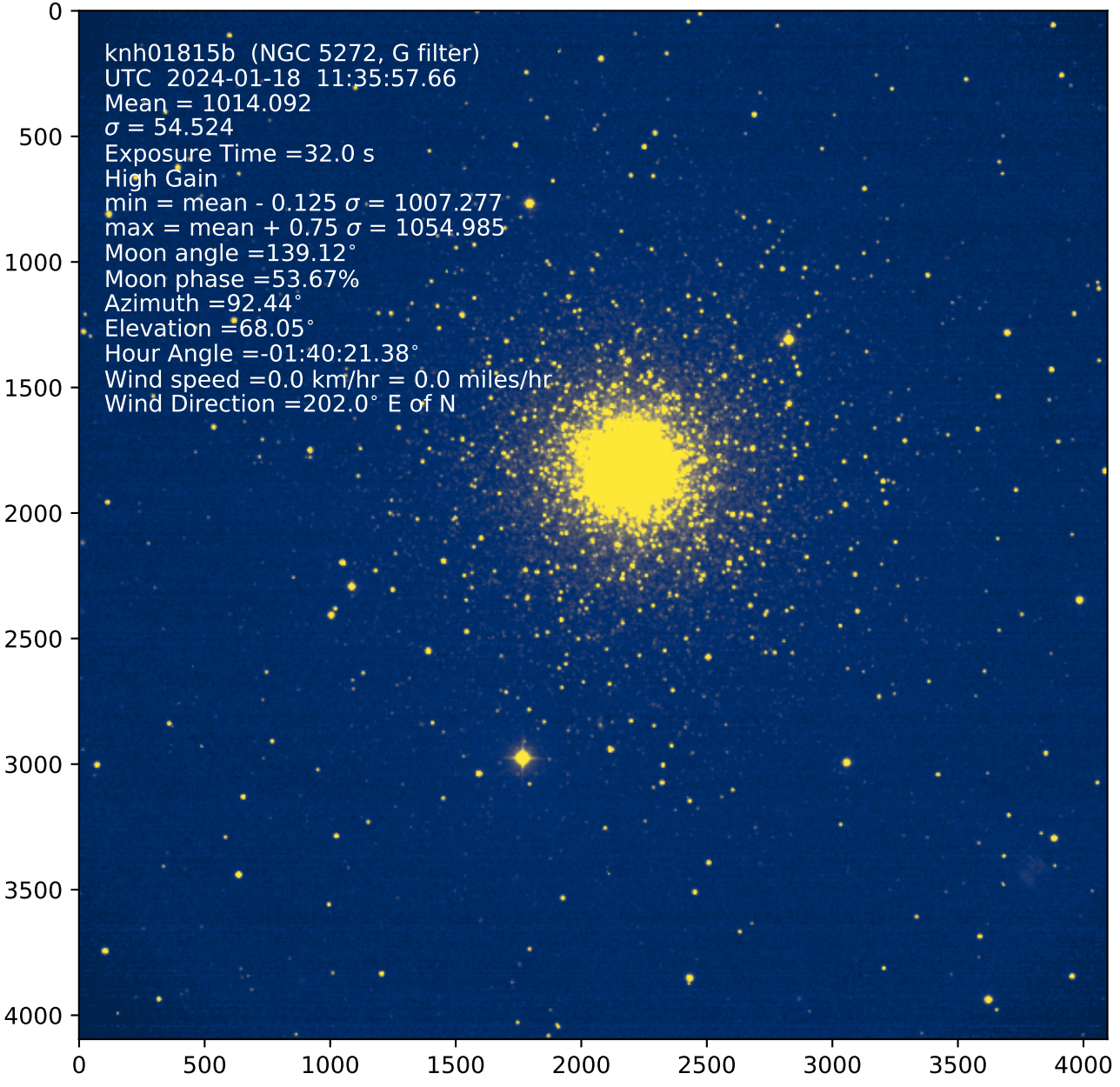

knh018160 (NGC 5272, G filter)
UTC 2024-01-18 11:33:03.959
Mean = 1006.115
σ = 31.489
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.179
max = mean + 0.75 σ = 1029.732
Moon angle =139.14°
Moon phase =53.65%
Azimuth =92.0°
Elevation =67.43°
Hour Angle =-01:43:15.85°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

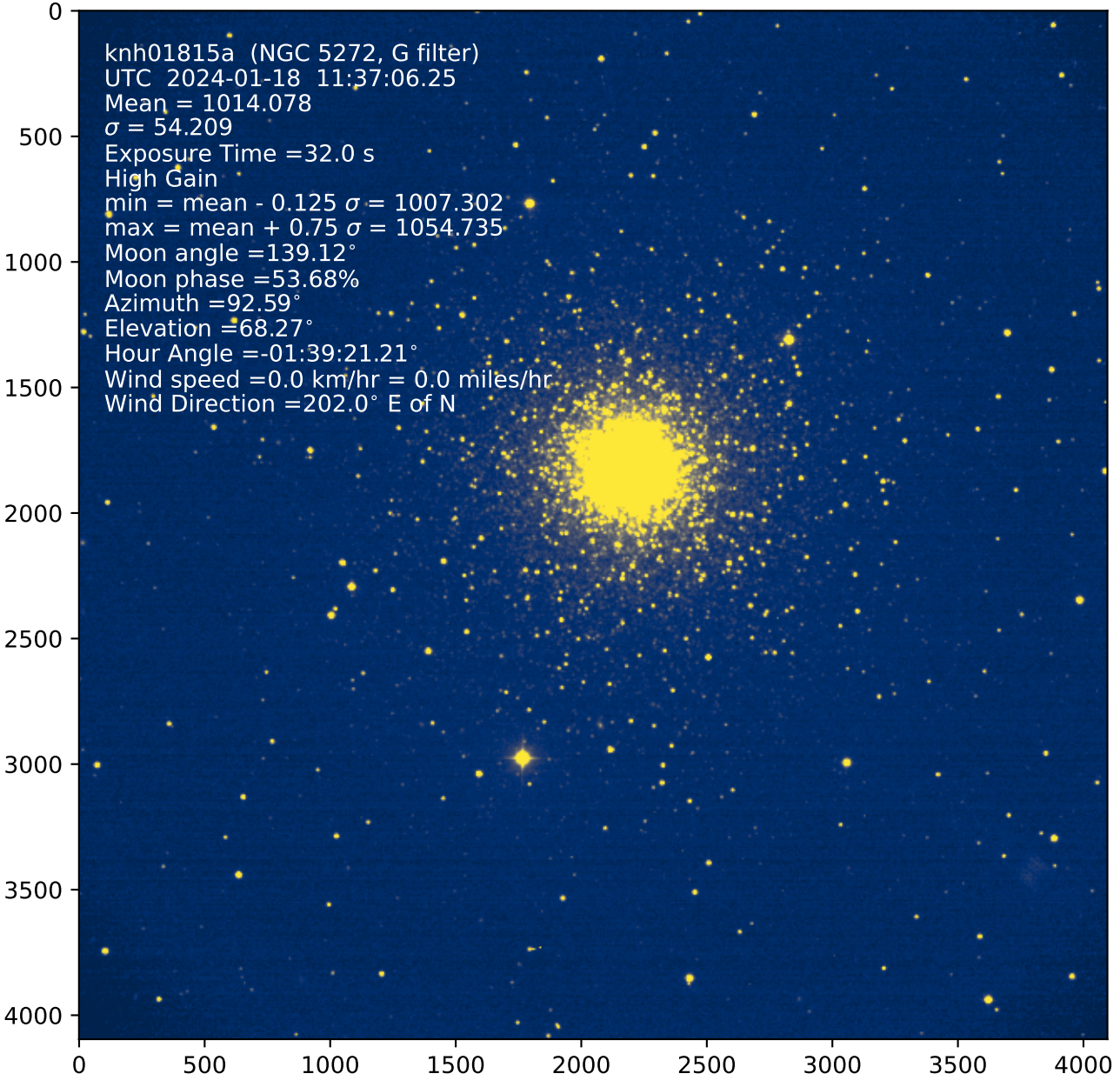

knh01815f (NGC 5272, G filter)
UTC 2024-01-18 11:33:33.320
Mean = 1006.059
σ = 31.538
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.117
max = mean + 0.75 σ = 1029.712
Moon angle =139.13°
Moon phase =53.66%
Azimuth =92.07°
Elevation =67.54°
Hour Angle =-01:42:45.77°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

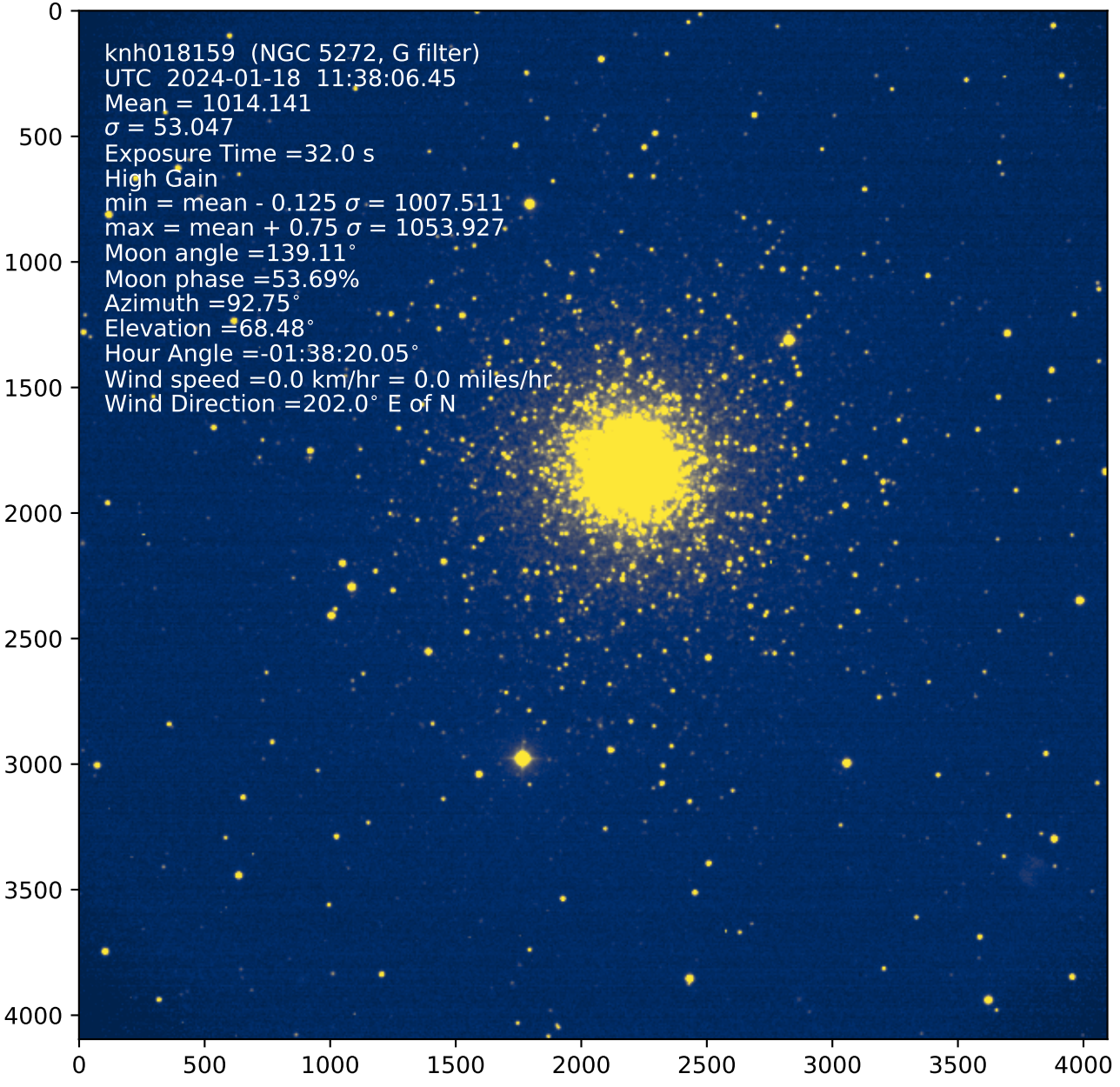

knh01815e (NGC 5272, G filter)
UTC 2024-01-18 11:34:03.229
Mean = 1006.016
σ = 31.899
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.029
max = mean + 0.75 σ = 1029.94
Moon angle =139.13°
Moon phase =53.66%
Azimuth =92.15°
Elevation =67.64°
Hour Angle =-01:42:16.69°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

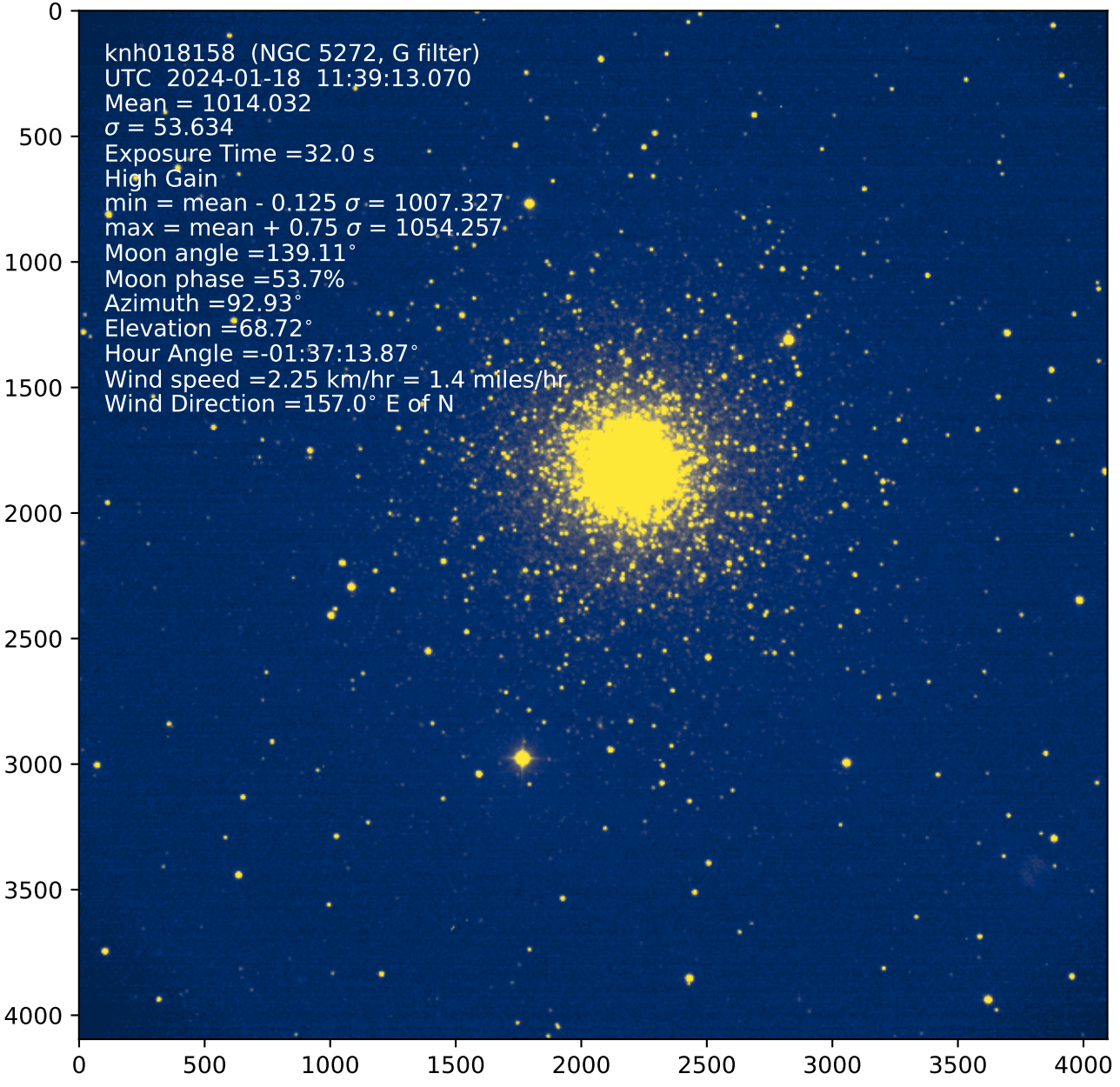

knh01815d (NGC 5272, G filter)
UTC 2024-01-18 11:34:35.07
Mean = 1006.027
σ = 31.901
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1002.039
max = mean + 0.75 σ = 1029.952
Moon angle =139.13°
Moon phase =53.66%
Azimuth =92.23°
Elevation =67.76°
Hour Angle =-01:41:44.60°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

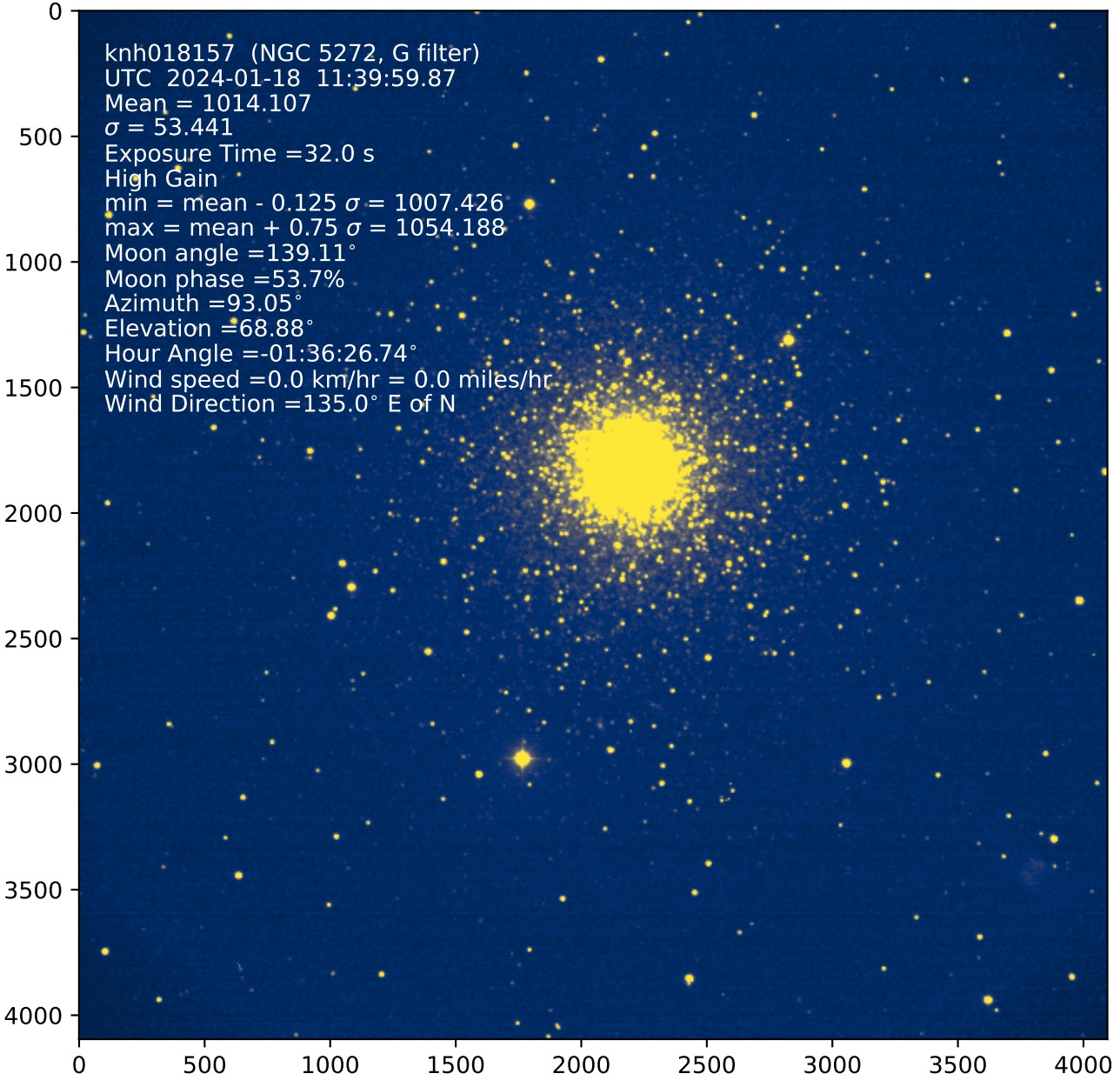

knh01815c (NGC 5272, G filter)
UTC 2024-01-18 11:35:17.24
Mean = 1006.032
σ = 32.334
Exposure Time =16.0 s
High Gain
min = mean - 0.125 σ = 1001.99
max = mean + 0.75 σ = 1030.283
Moon angle =139.13°
Moon phase =53.67%
Azimuth =92.33°
Elevation =67.91°
Hour Angle =-01:41:02.49°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =225.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

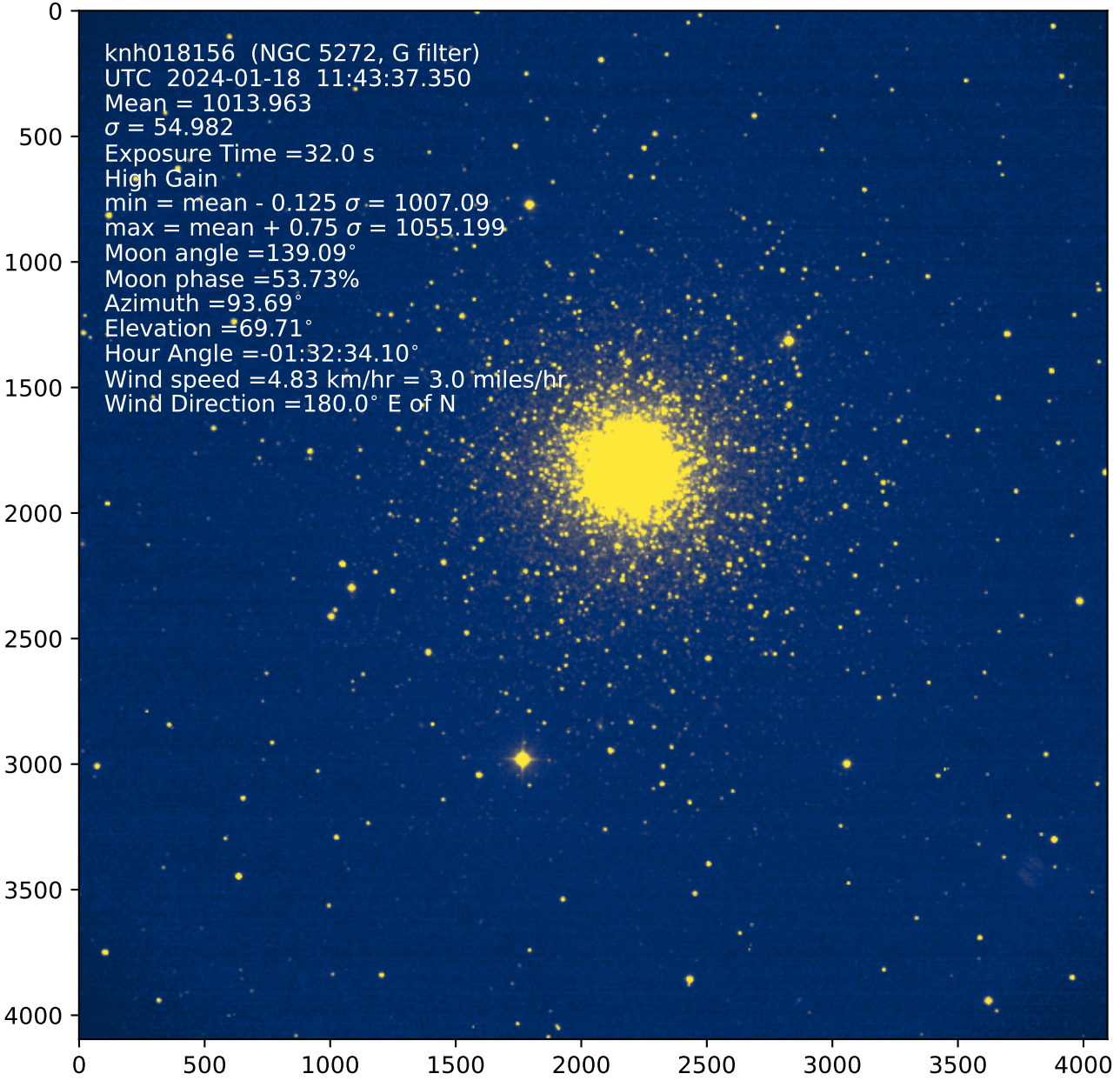

knh01815b (NGC 5272, G filter)
UTC 2024-01-18 11:35:57.66
Mean = 1014.092
σ = 54.524
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.277
max = mean + 0.75 σ = 1054.985
Moon angle =139.12°
Moon phase =53.67%
Azimuth =92.44°
Elevation =68.05°
Hour Angle =-01:40:21.38°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

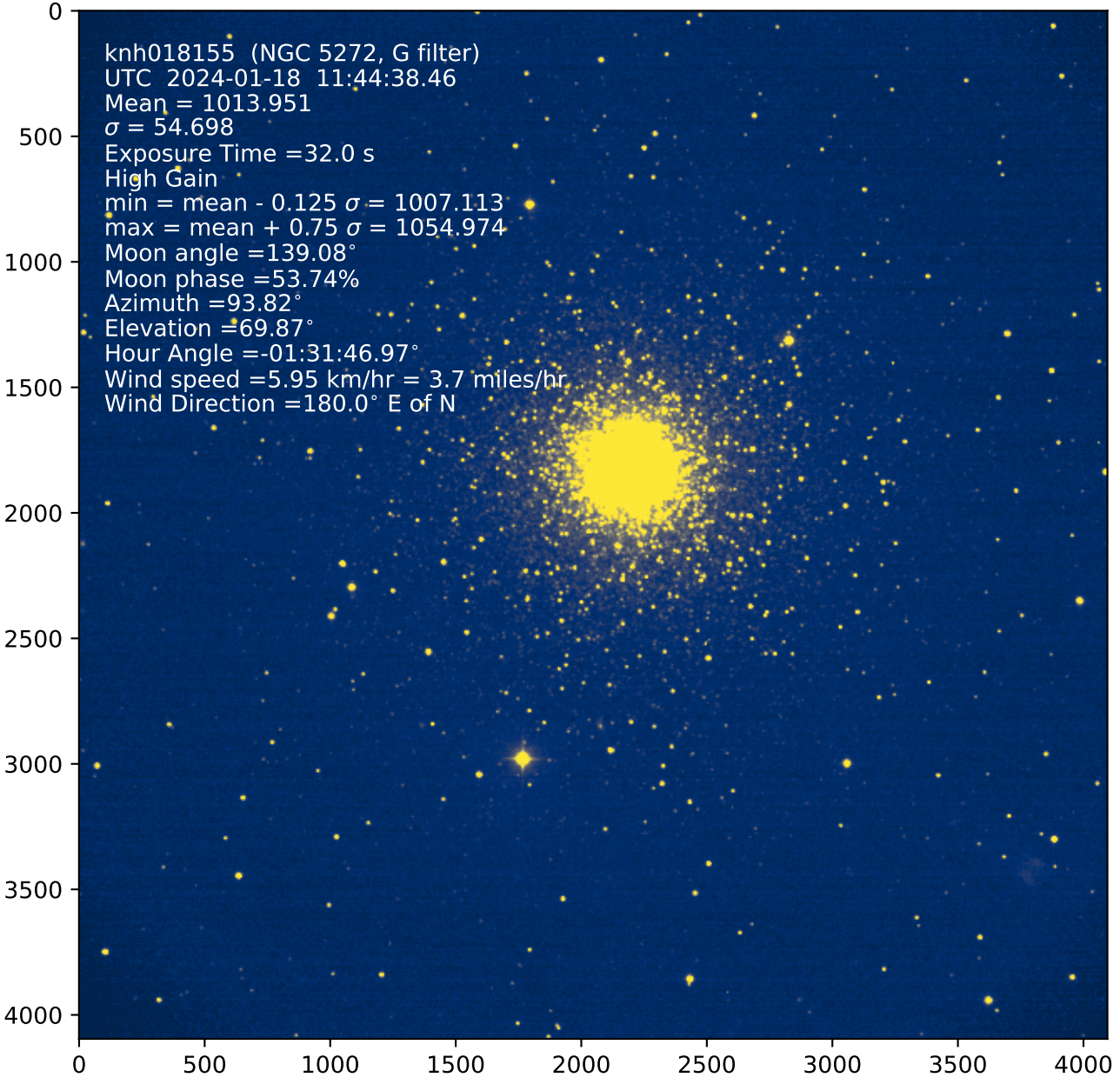

knh01815a (NGC 5272, G filter)
UTC 2024-01-18 11:37:06.25
Mean = 1014.078
σ = 54.209
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.302
max = mean + 0.75 σ = 1054.735
Moon angle =139.12°
Moon phase =53.68%
Azimuth =92.59°
Elevation =68.27°
Hour Angle =-01:39:21.21°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

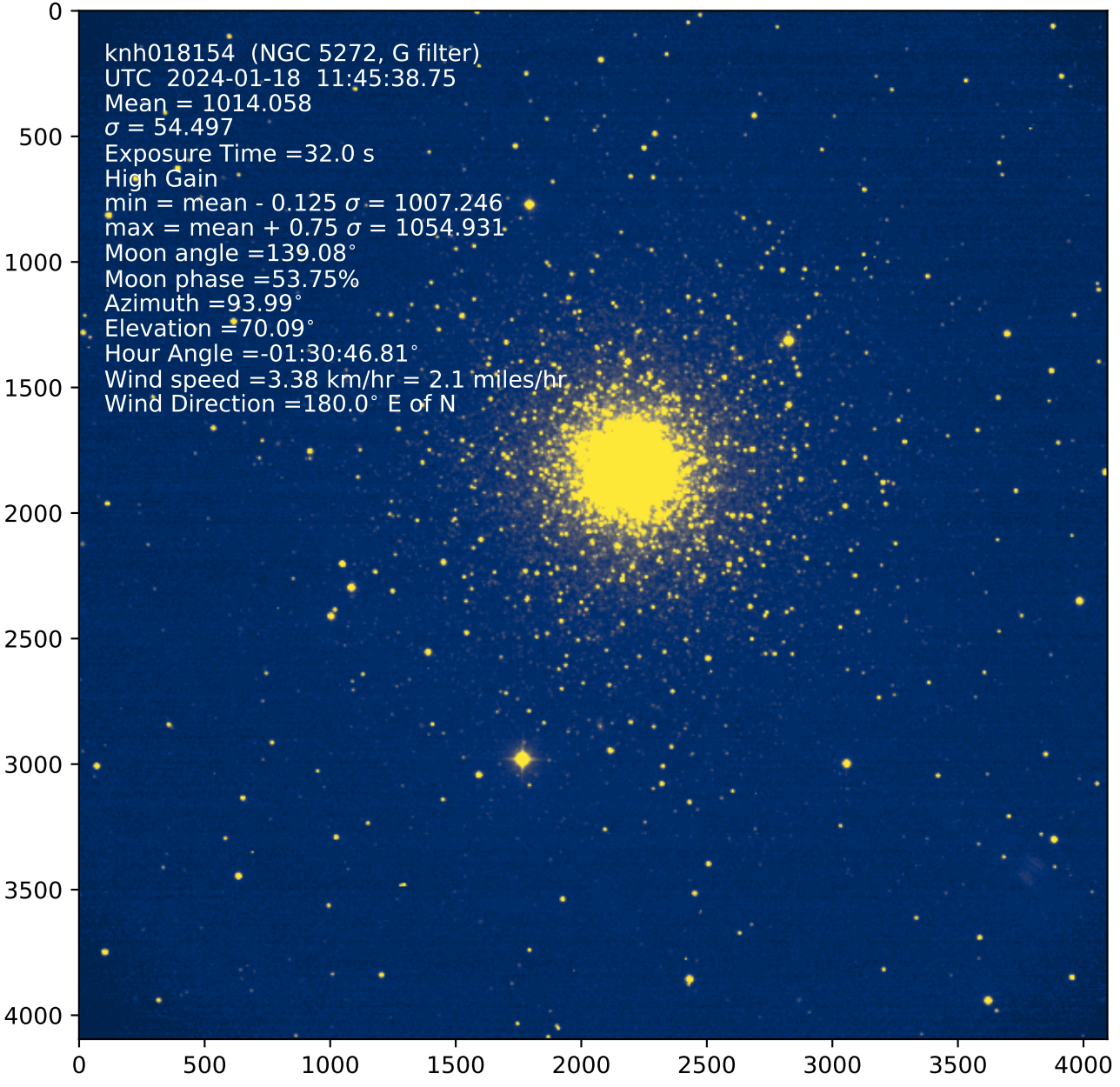

knh018159 (NGC 5272, G filter)
UTC 2024-01-18 11:38:06.45
Mean = 1014.141
σ = 53.047
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.511
max = mean + 0.75 σ = 1053.927
Moon angle =139.11°
Moon phase =53.69%
Azimuth =92.75°
Elevation =68.48°
Hour Angle =-01:38:20.05°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

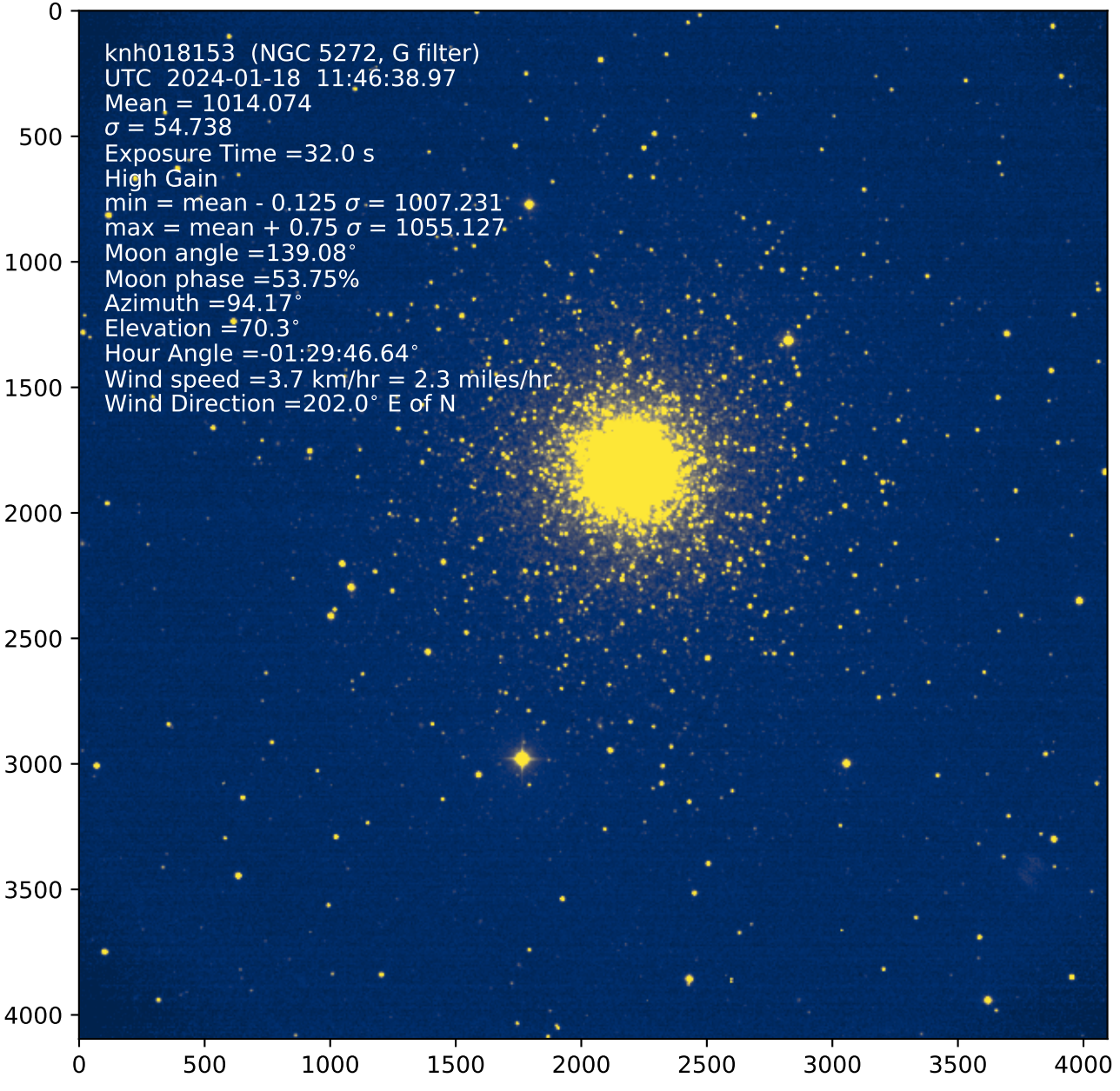

knh018158 (NGC 5272, G filter)
UTC 2024-01-18 11:39:13.070
Mean = 1014.032
σ = 53.634
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.327
max = mean + 0.75 σ = 1054.257
Moon angle =139.11°
Moon phase =53.7%
Azimuth =92.93°
Elevation =68.72°
Hour Angle =-01:37:13.87°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

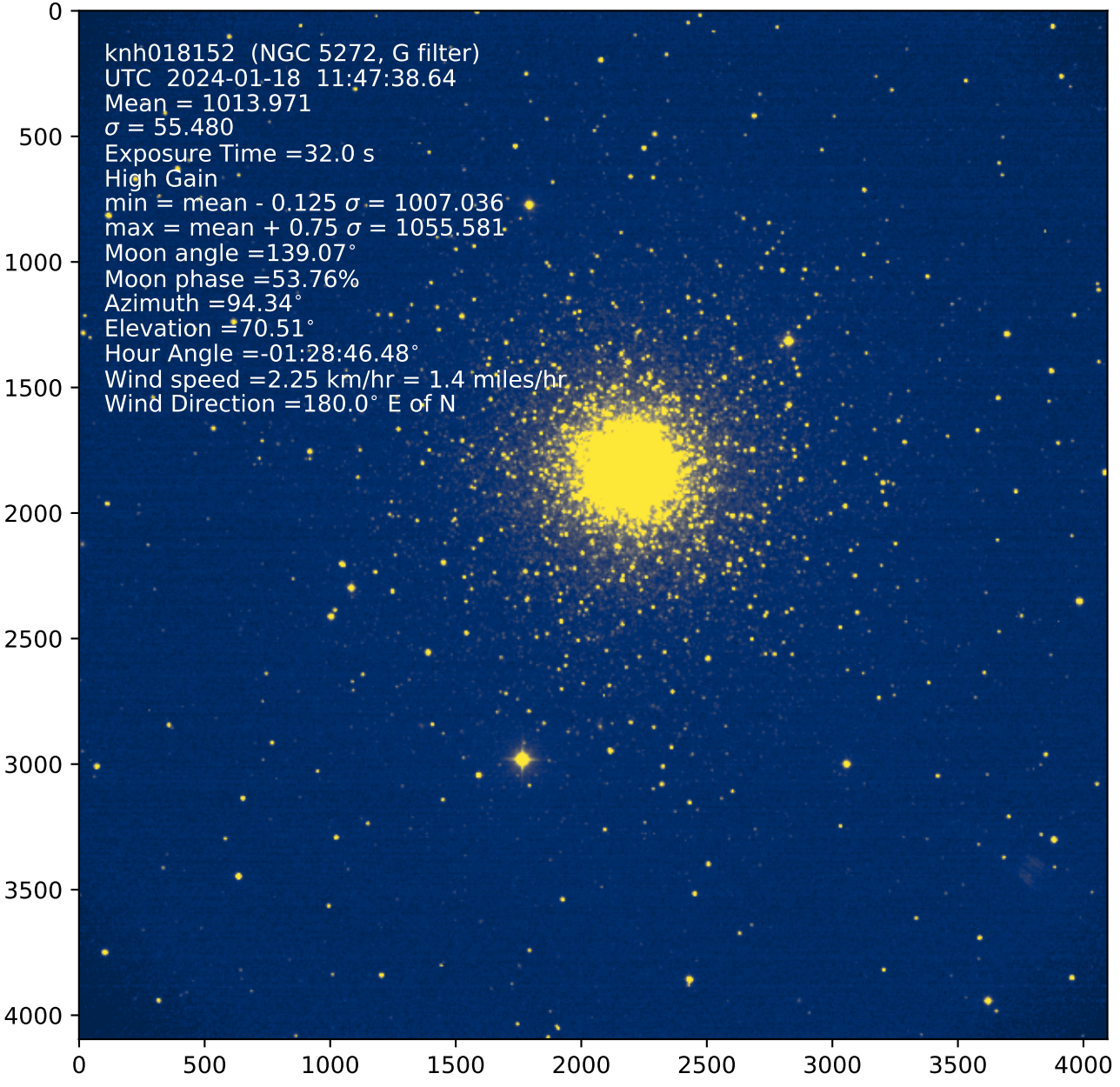

knh018157 (NGC 5272, G filter)
UTC 2024-01-18 11:39:59.87
Mean = 1014.107
σ = 53.441
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.426
max = mean + 0.75 σ = 1054.188
Moon angle =139.11°
Moon phase =53.7%
Azimuth =93.05°
Elevation =68.88°
Hour Angle =-01:36:26.74°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

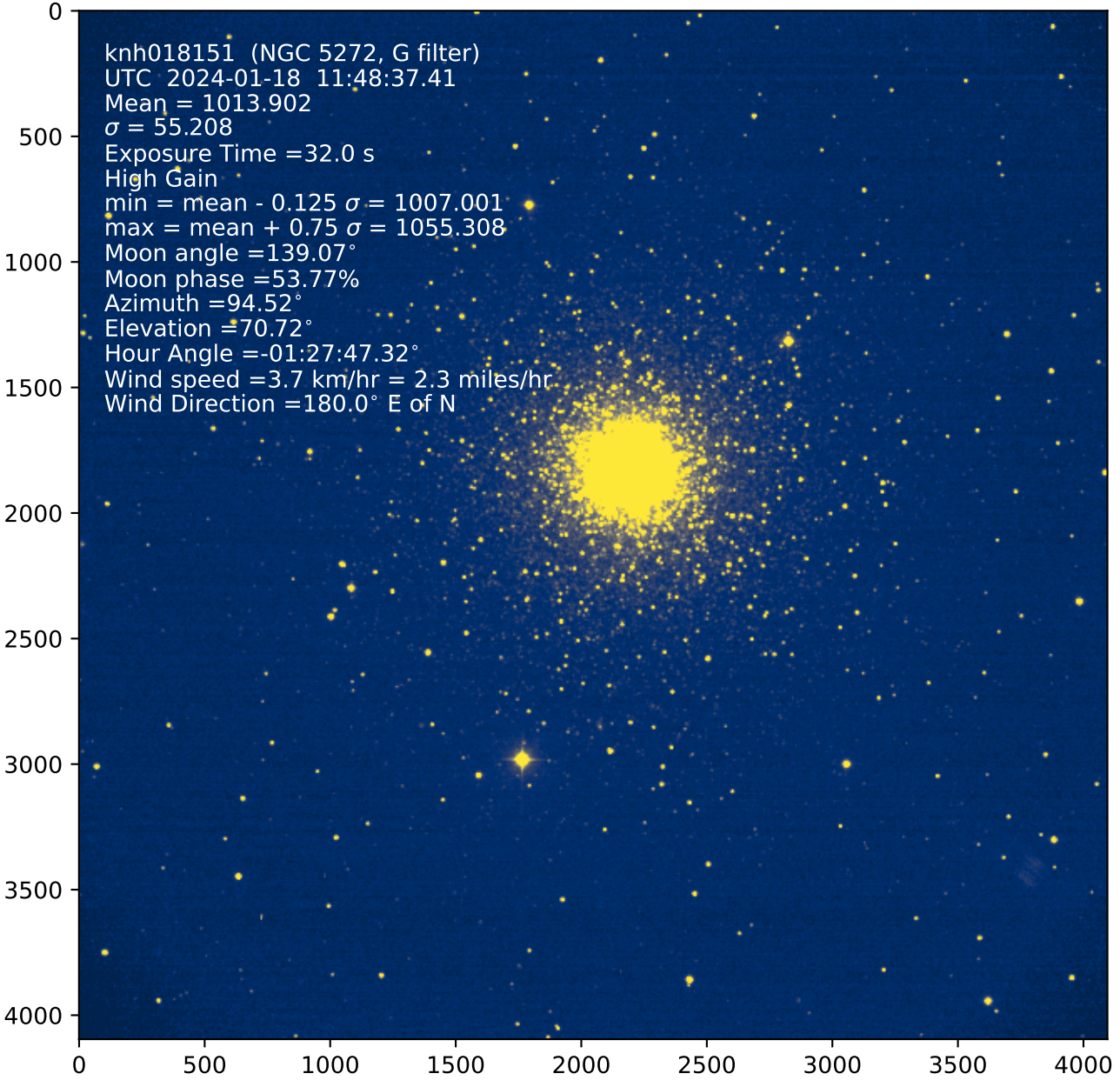

knh018156 (NGC 5272, G filter)
UTC 2024-01-18 11:43:37.350
Mean = 1013.963
σ = 54.982
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.09
max = mean + 0.75 σ = 1055.199
Moon angle =139.09°
Moon phase =53.73%
Azimuth =93.69°
Elevation =69.71°
Hour Angle =-01:32:34.10°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

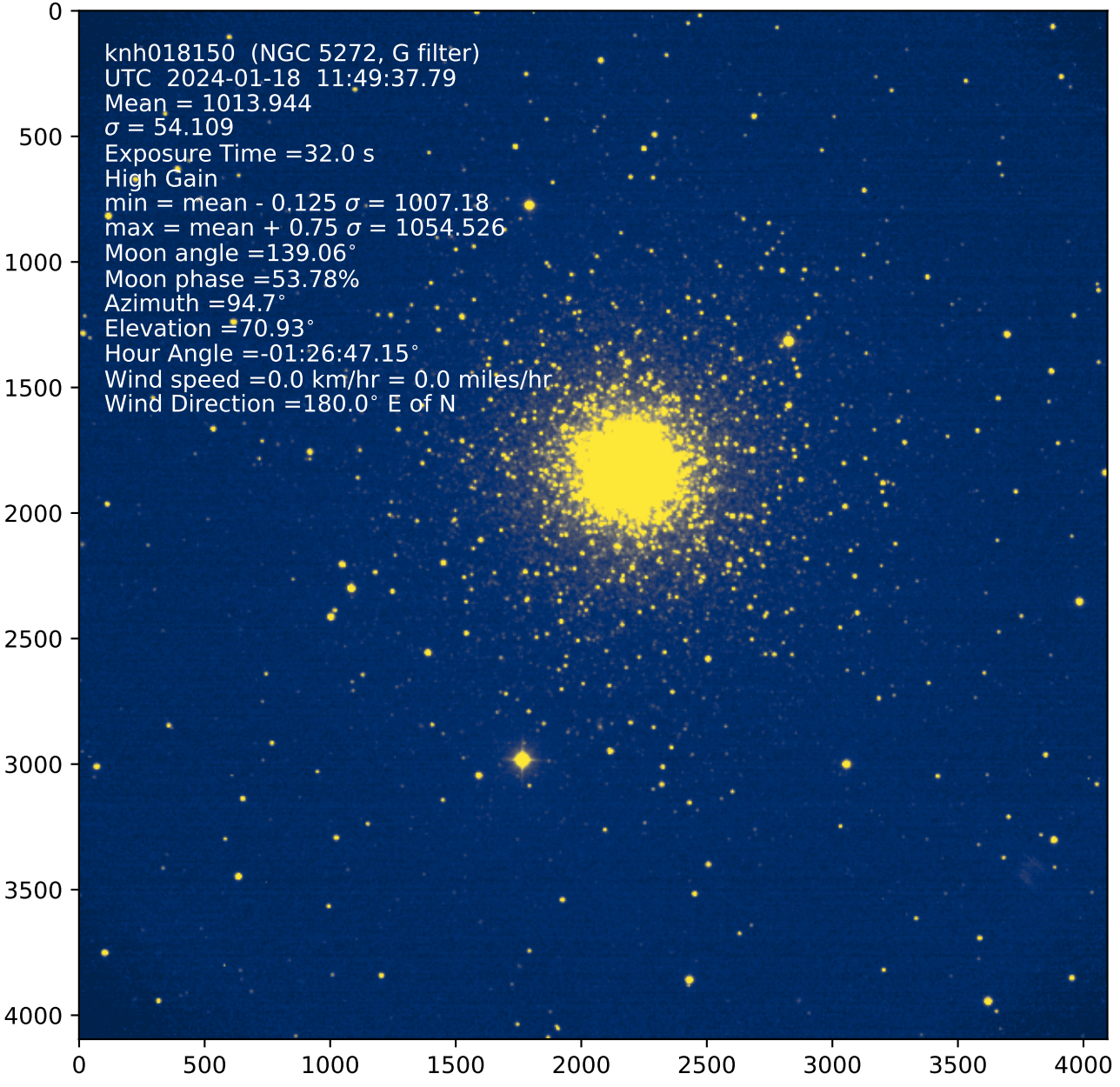

knh018155 (NGC 5272, G filter)
UTC 2024-01-18 11:44:38.46
Mean = 1013.951
σ = 54.698
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.113
max = mean + 0.75 σ = 1054.974
Moon angle =139.08°
Moon phase =53.74%
Azimuth =93.82°
Elevation =69.87°
Hour Angle =-01:31:46.97°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

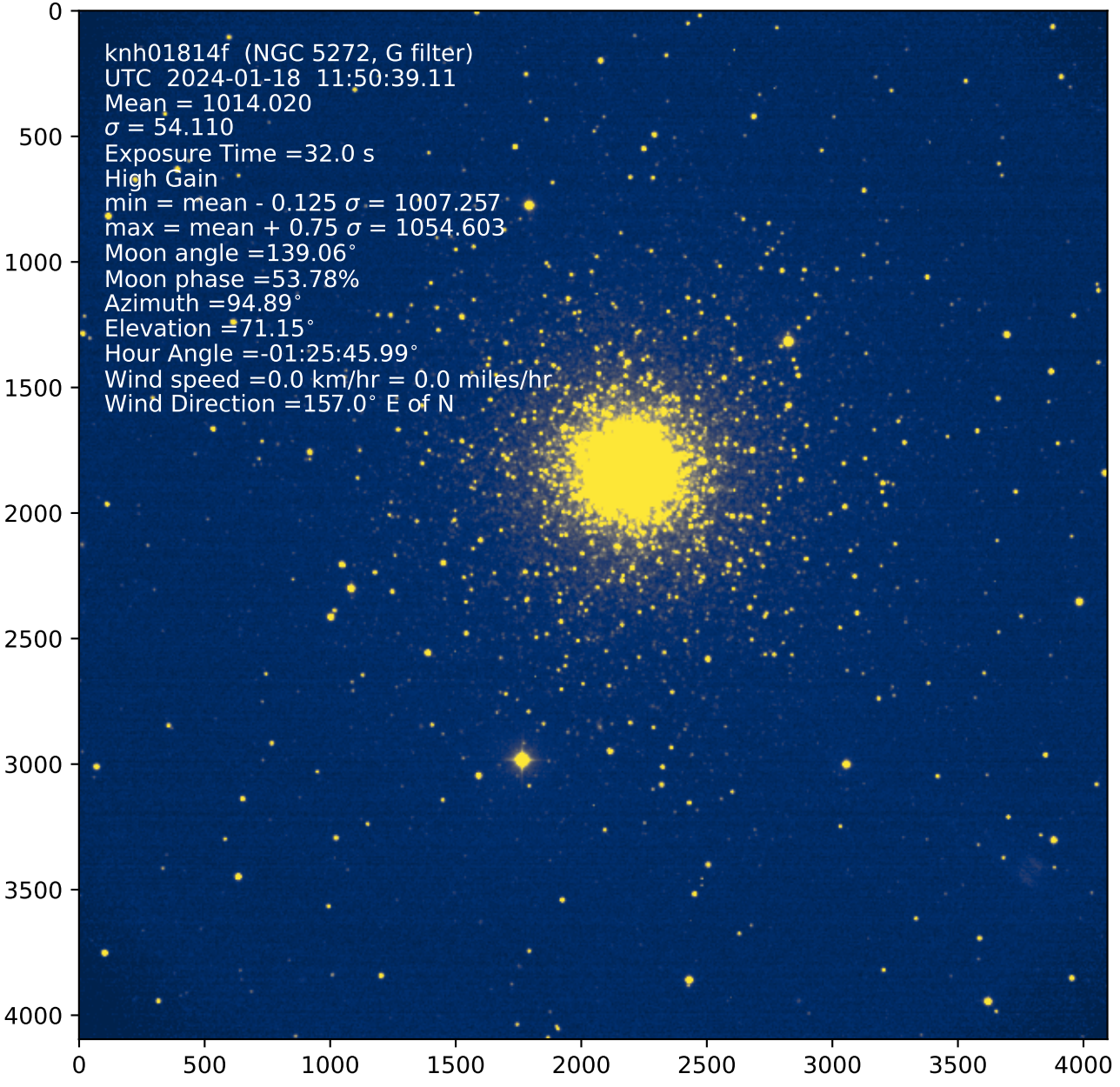

knh018154 (NGC 5272, G filter)
UTC 2024-01-18 11:45:38.75
Mean = 1014.058
σ = 54.497
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.246
max = mean + 0.75 σ = 1054.931
Moon angle =139.08°
Moon phase =53.75%
Azimuth =93.99°
Elevation =70.09°
Hour Angle =-01:30:46.81°
Wind speed =3.38 km/hr = 2.1 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

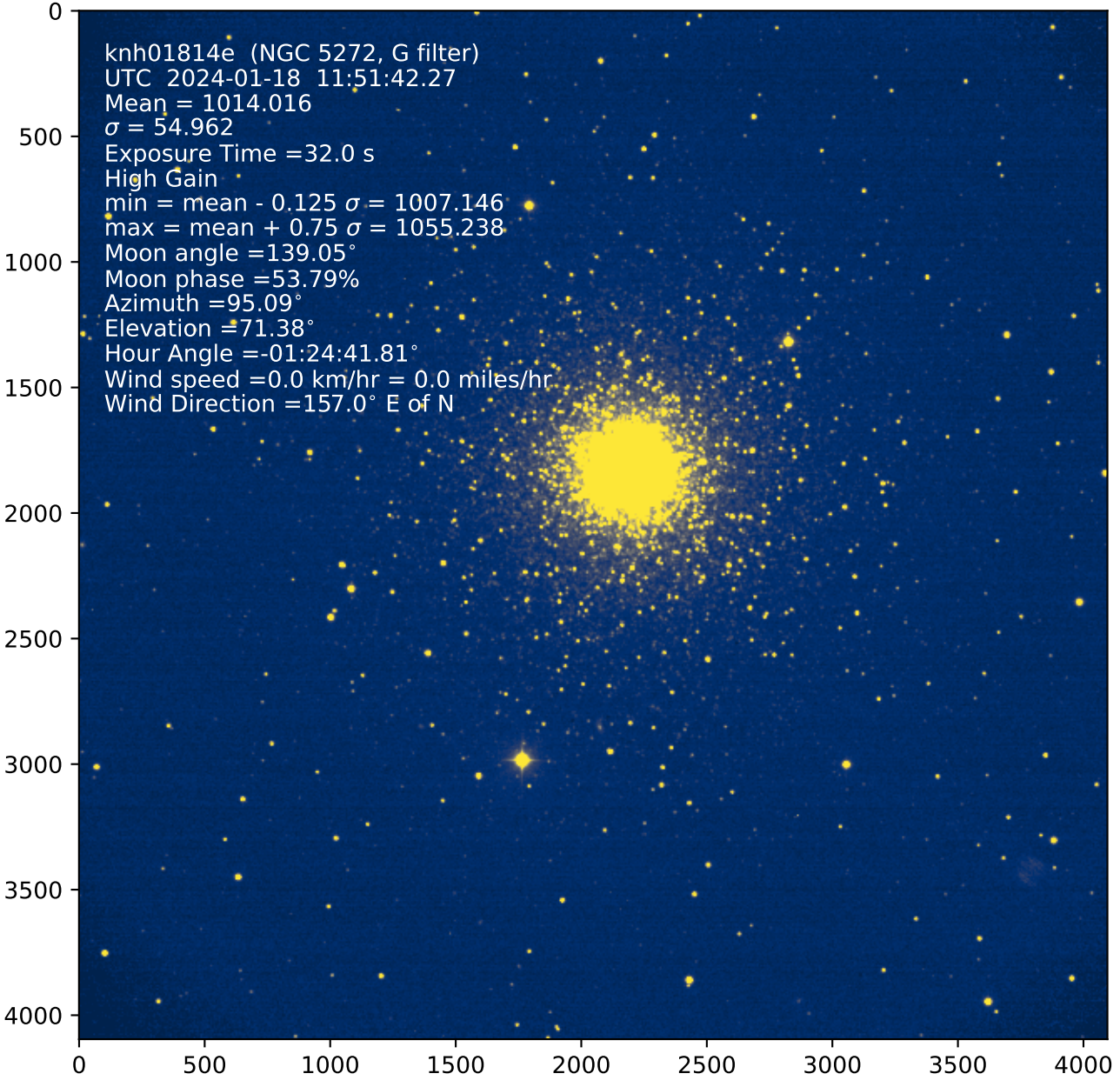

knh018153 (NGC 5272, G filter)
UTC 2024-01-18 11:46:38.97
Mean = 1014.074
σ = 54.738
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.231
max = mean + 0.75 σ = 1055.127
Moon angle =139.08°
Moon phase =53.75%
Azimuth =94.17°
Elevation =70.3°
Hour Angle =-01:29:46.64°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

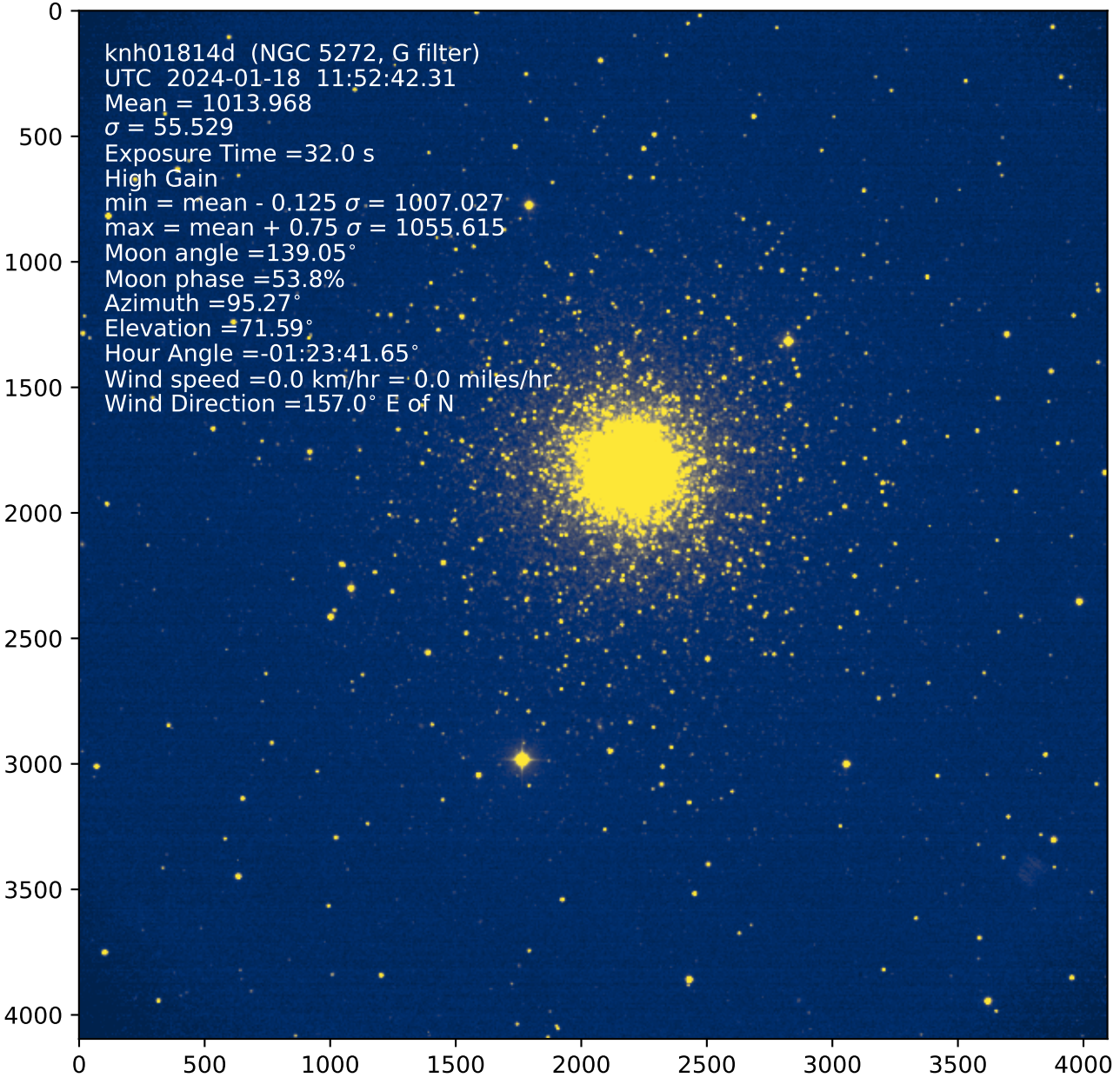

knh018152 (NGC 5272, G filter)
UTC 2024-01-18 11:47:38.64
Mean = 1013.971
σ = 55.480
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.036
max = mean + 0.75 σ = 1055.581
Moon angle =139.07°
Moon phase =53.76%
Azimuth =94.34°
Elevation =70.51°
Hour Angle =-01:28:46.48°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

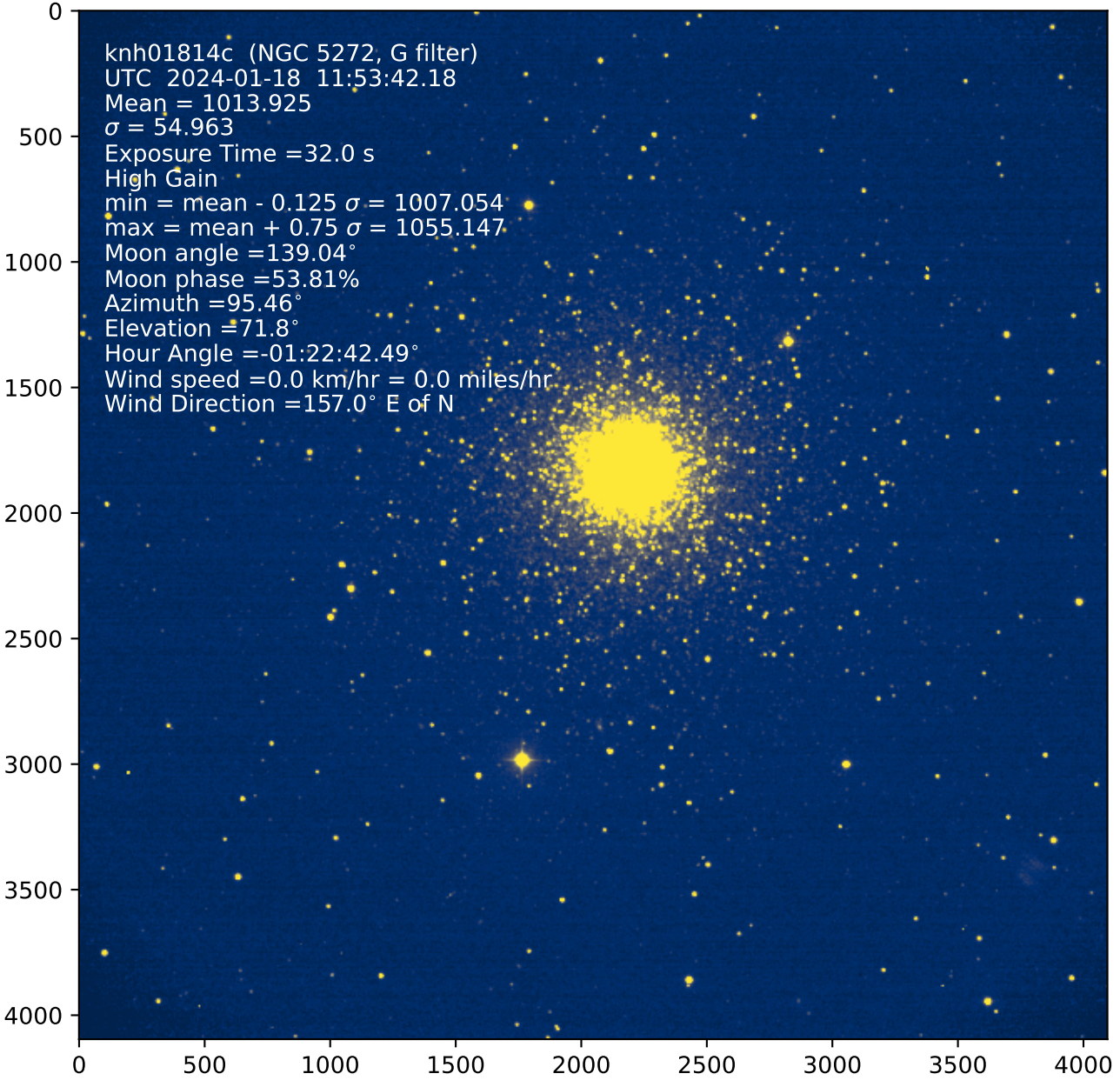

knh018151 (NGC 5272, G filter)
UTC 2024-01-18 11:48:37.41
Mean = 1013.902
σ = 55.208
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.001
max = mean + 0.75 σ = 1055.308
Moon angle =139.07°
Moon phase =53.77%
Azimuth =94.52°
Elevation =70.72°
Hour Angle =-01:27:47.32°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

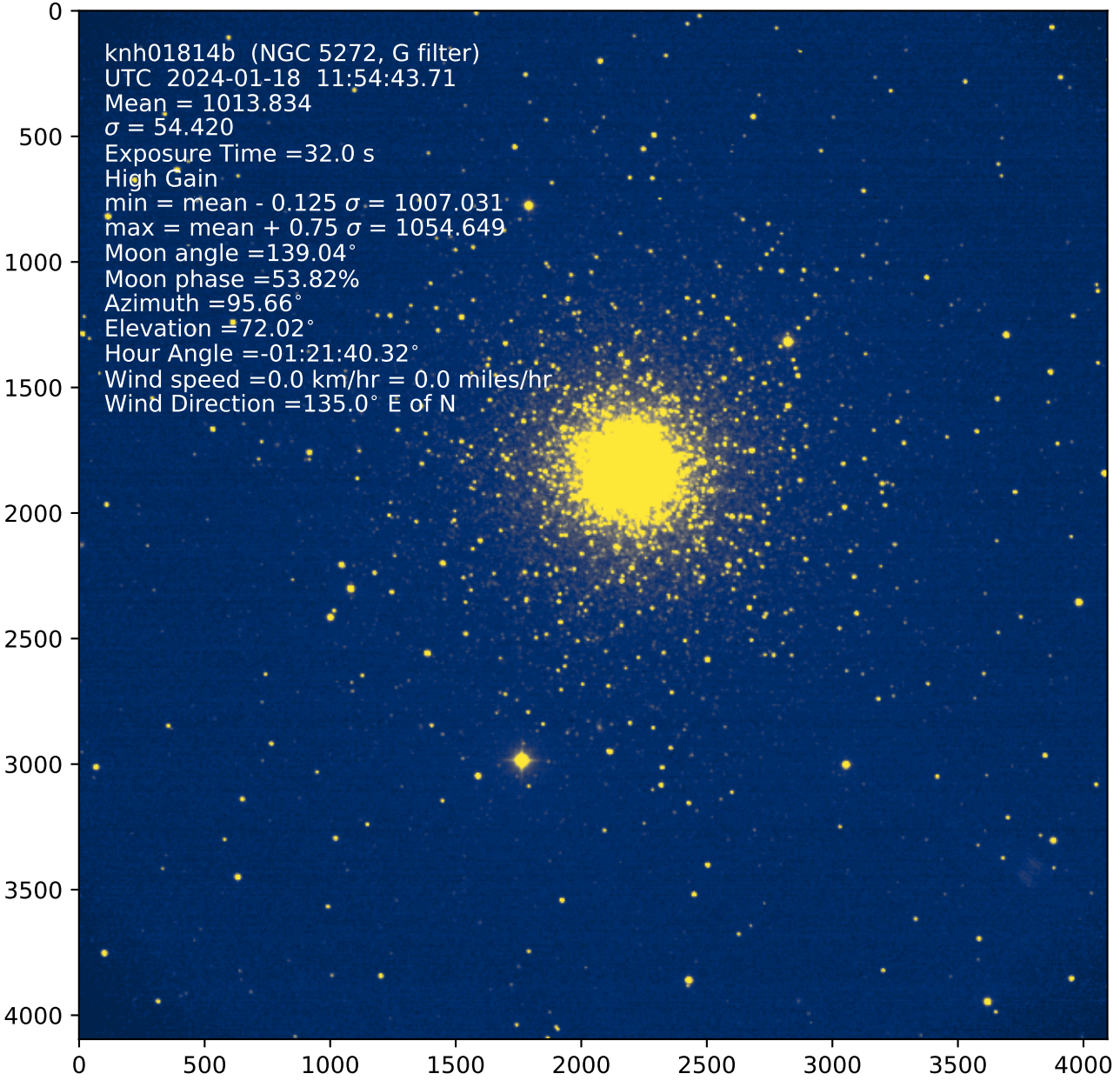

knh018150 (NGC 5272, G filter)
UTC 2024-01-18 11:49:37.79
Mean = 1013.944
σ = 54.109
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.18
max = mean + 0.75 σ = 1054.526
Moon angle =139.06°
Moon phase =53.78%
Azimuth =94.7°
Elevation =70.93°
Hour Angle =-01:26:47.15°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

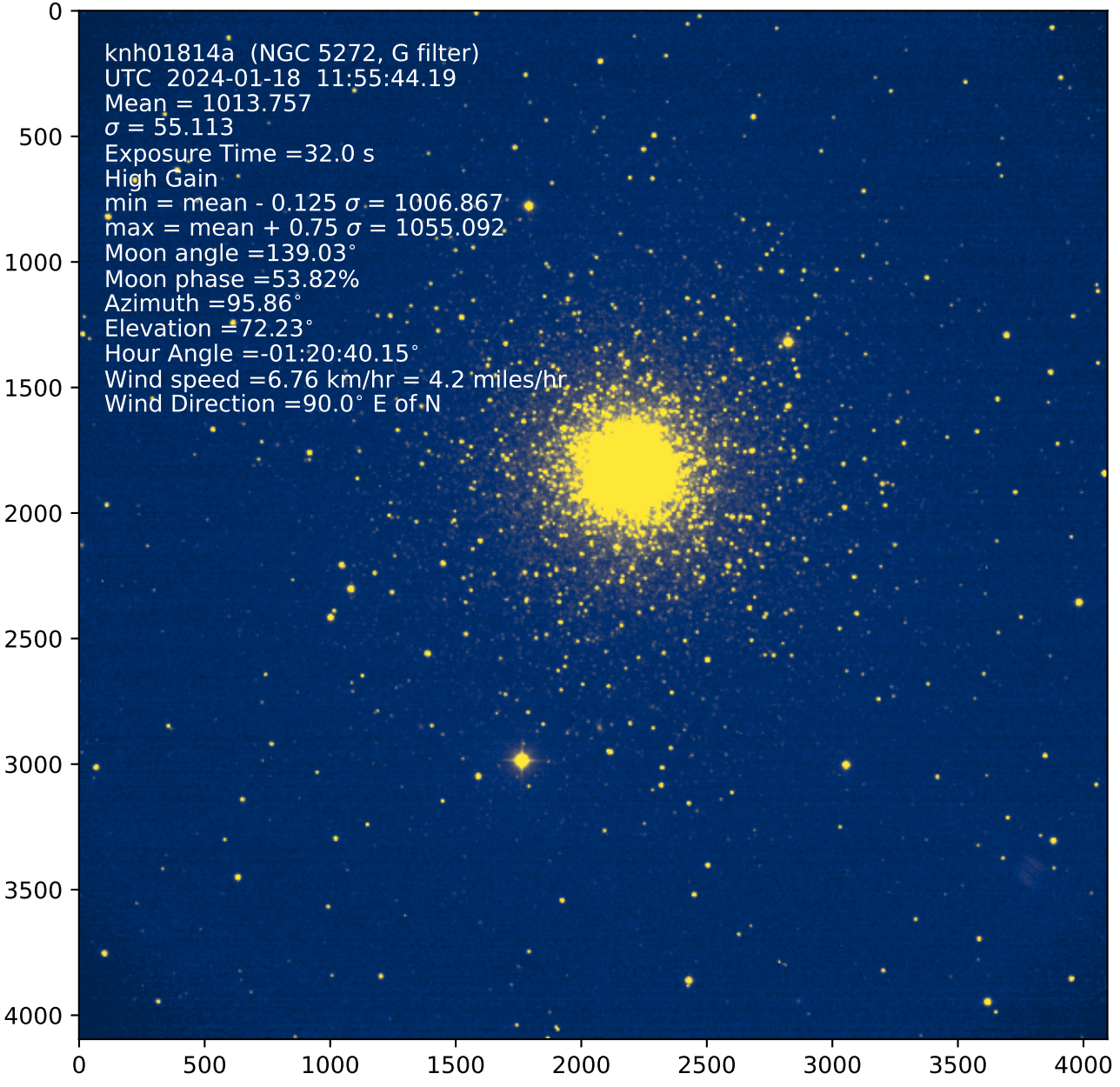

knh01814f (NGC 5272, G filter)
UTC 2024-01-18 11:50:39.11
Mean = 1014.020
σ = 54.110
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.257
max = mean + 0.75 σ = 1054.603
Moon angle =139.06°
Moon phase =53.78%
Azimuth =94.89°
Elevation =71.15°
Hour Angle =-01:25:45.99°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

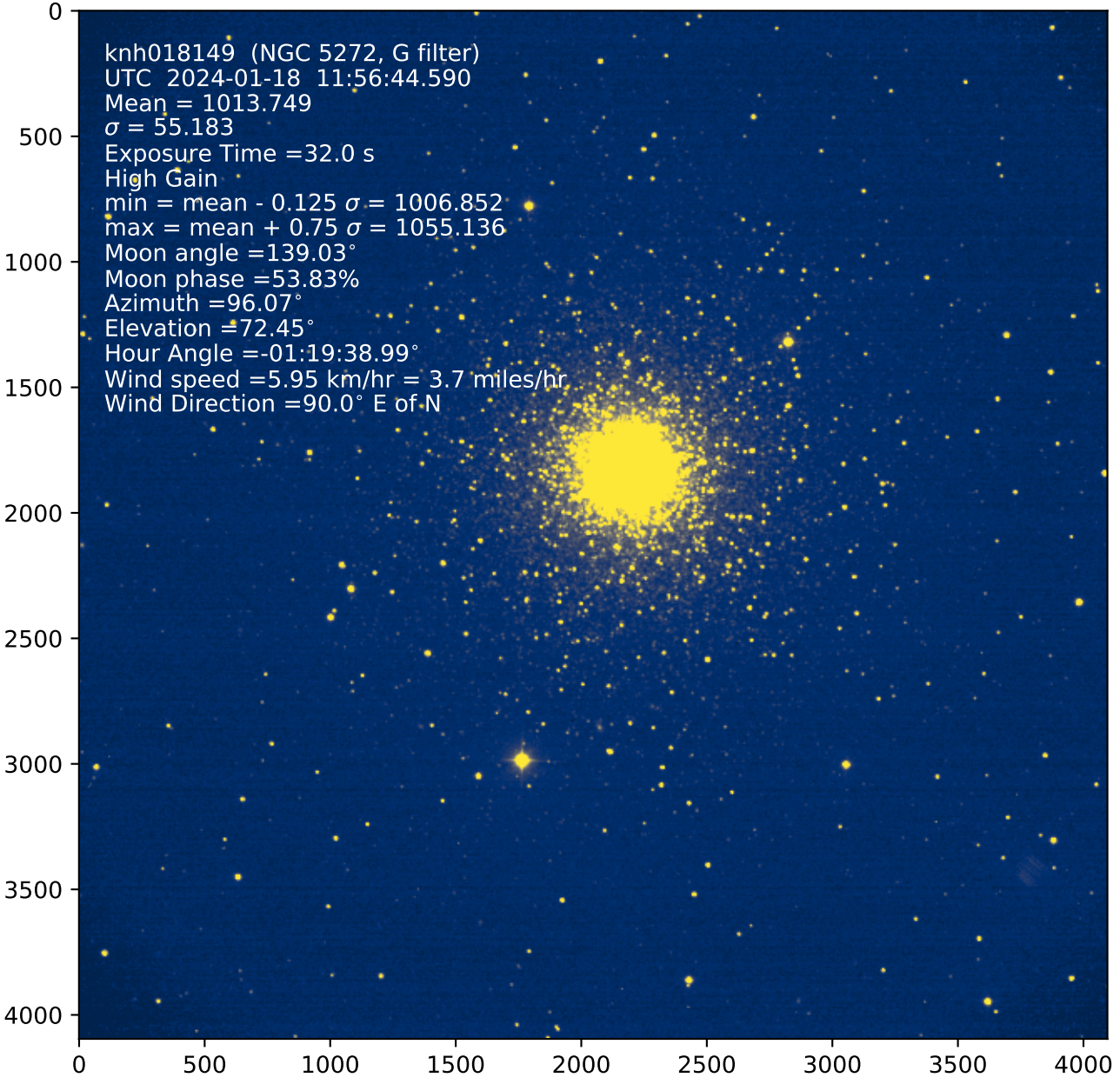

knh01814e (NGC 5272, G filter)
UTC 2024-01-18 11:51:42.27
Mean = 1014.016
σ = 54.962
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.146
max = mean + 0.75 σ = 1055.238
Moon angle =139.05°
Moon phase =53.79%
Azimuth =95.09°
Elevation =71.38°
Hour Angle =-01:24:41.81°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

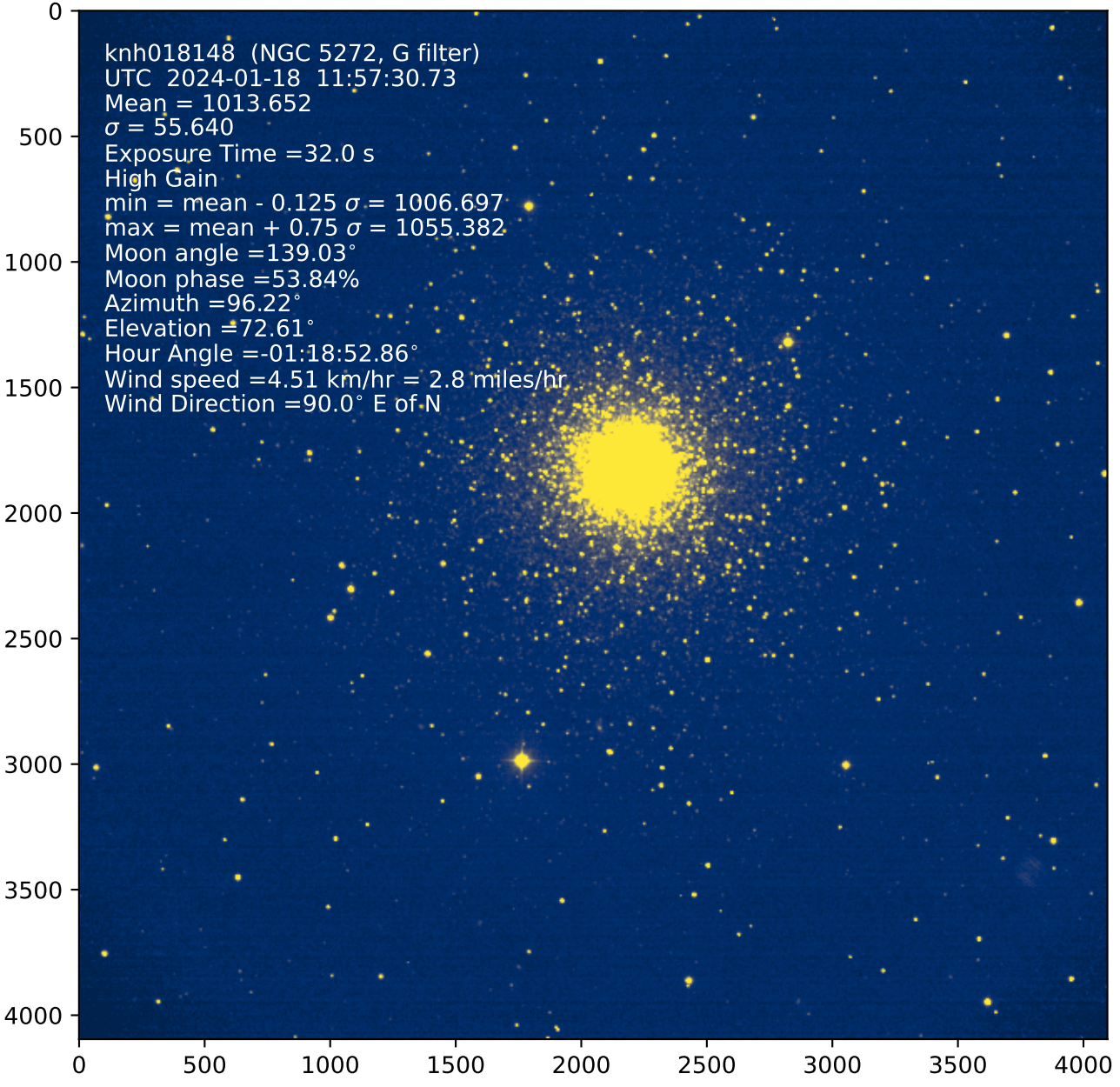

knh01814d (NGC 5272, G filter)
UTC 2024-01-18 11:52:42.31
Mean = 1013.968
σ = 55.529
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.027
max = mean + 0.75 σ = 1055.615
Moon angle =139.05°
Moon phase =53.8%
Azimuth =95.27°
Elevation =71.59°
Hour Angle =-01:23:41.65°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

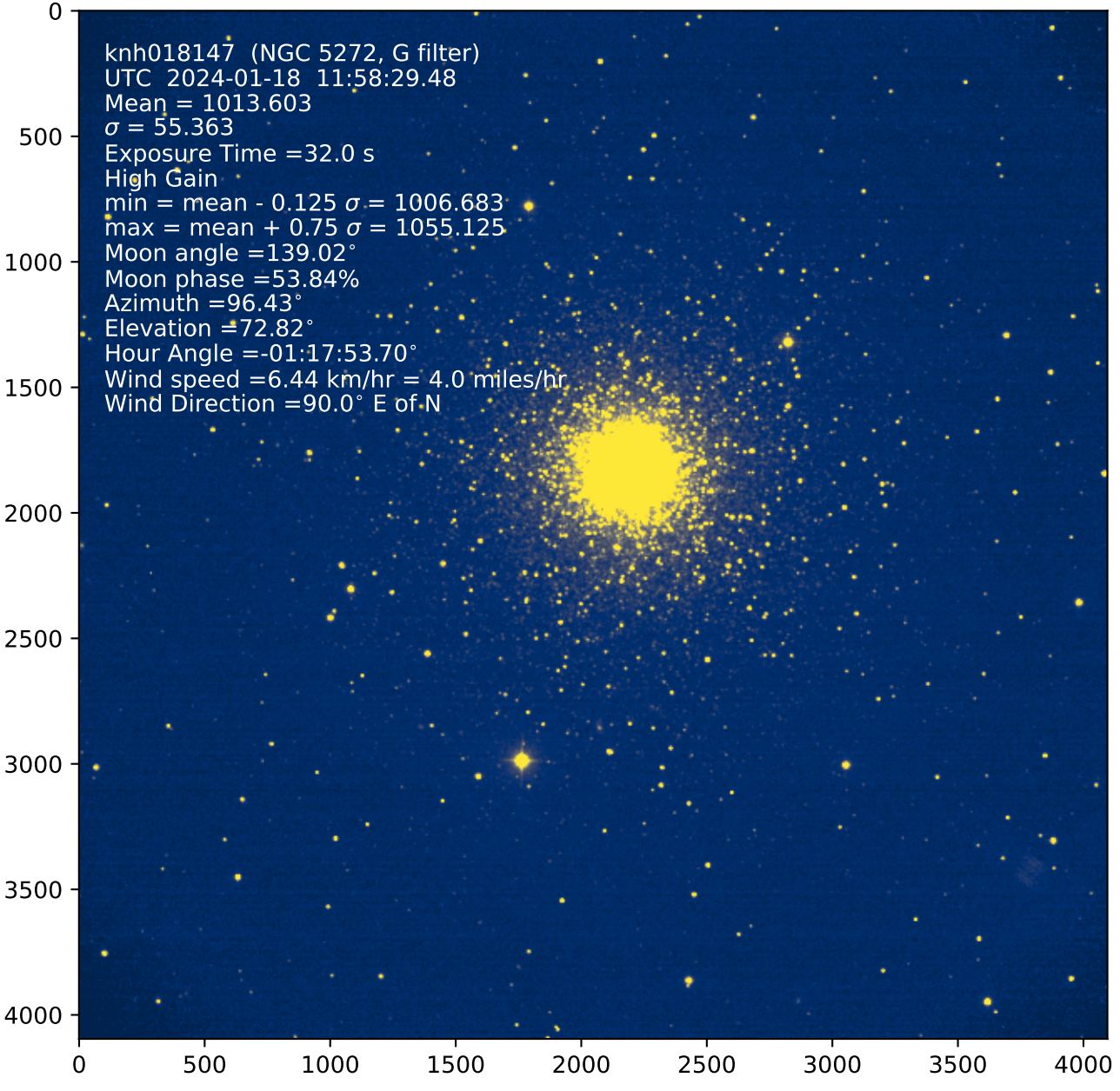

knh01814c (NGC 5272, G filter)
UTC 2024-01-18 11:53:42.18
Mean = 1013.925
σ = 54.963
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.054
max = mean + 0.75 σ = 1055.147
Moon angle =139.04°
Moon phase =53.81%
Azimuth =95.46°
Elevation =71.8°
Hour Angle =-01:22:42.49°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

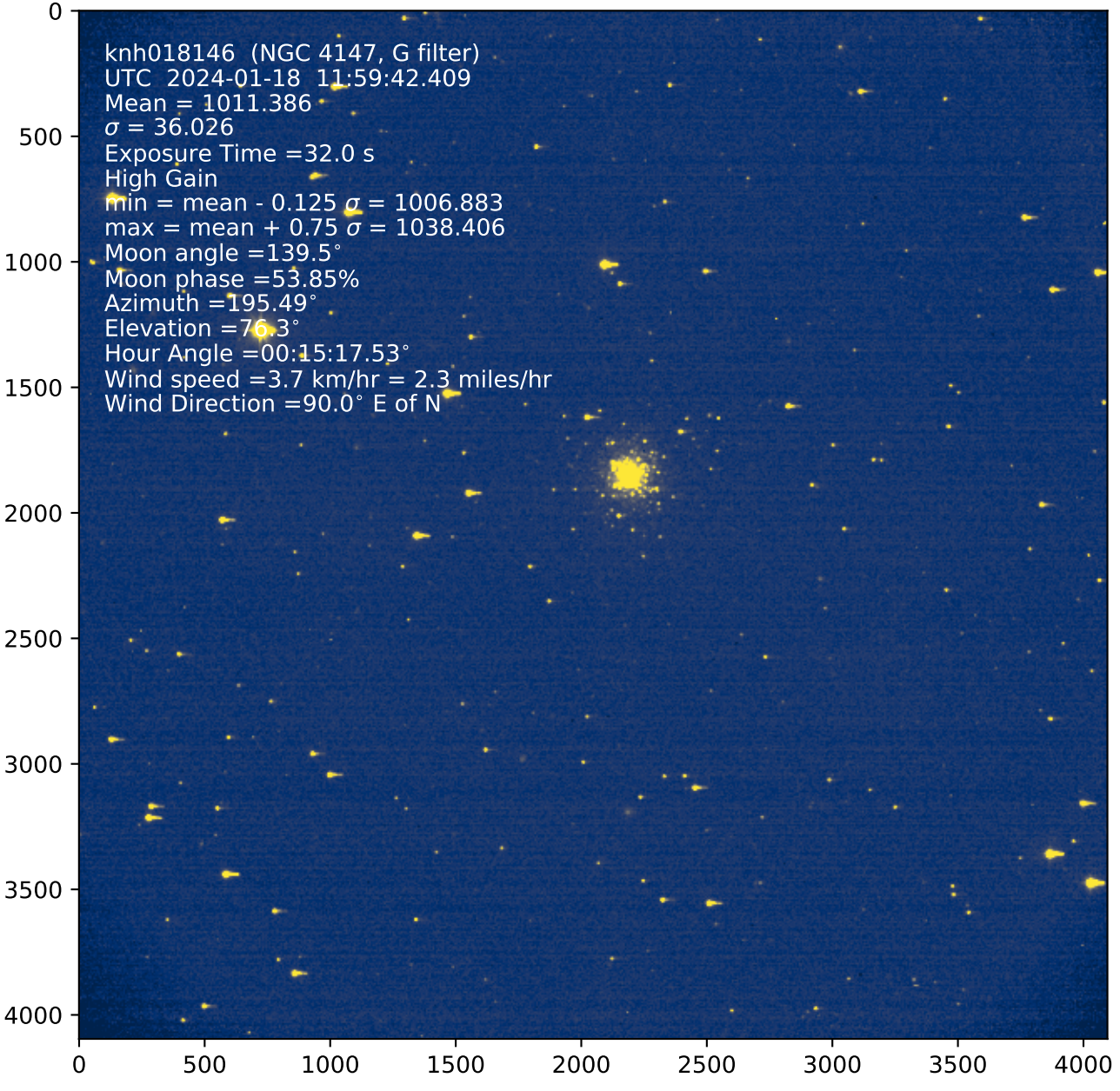

knh01814b (NGC 5272, G filter)
UTC 2024-01-18 11:54:43.71
Mean = 1013.834
σ = 54.420
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.031
max = mean + 0.75 σ = 1054.649
Moon angle =139.04°
Moon phase =53.82%
Azimuth =95.66°
Elevation =72.02°
Hour Angle =-01:21:40.32°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

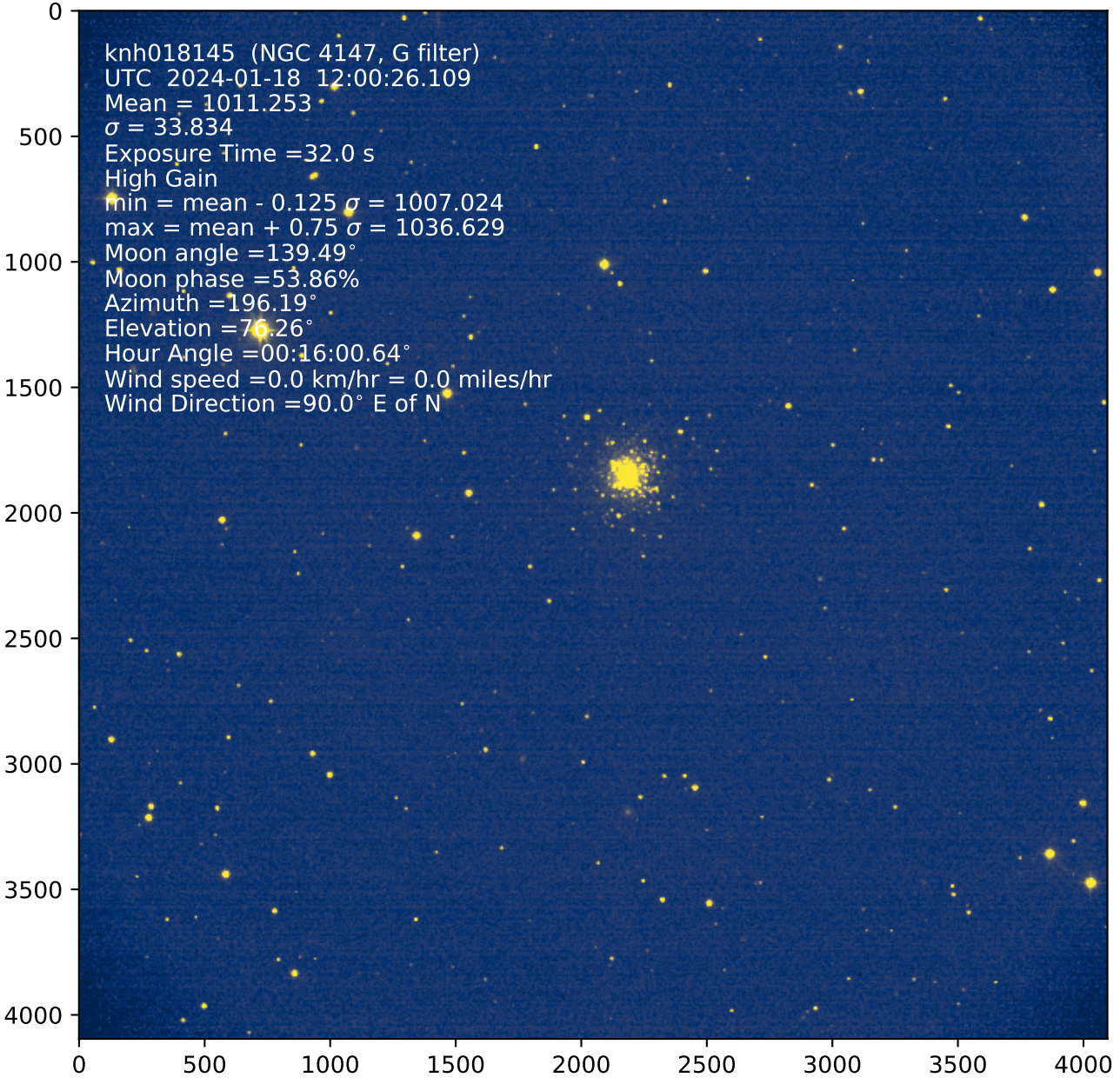

knh01814a (NGC 5272, G filter)
UTC 2024-01-18 11:55:44.19
Mean = 1013.757
σ = 55.113
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.867
max = mean + 0.75 σ = 1055.092
Moon angle =139.03°
Moon phase =53.82%
Azimuth =95.86°
Elevation =72.23°
Hour Angle =-01:20:40.15°
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

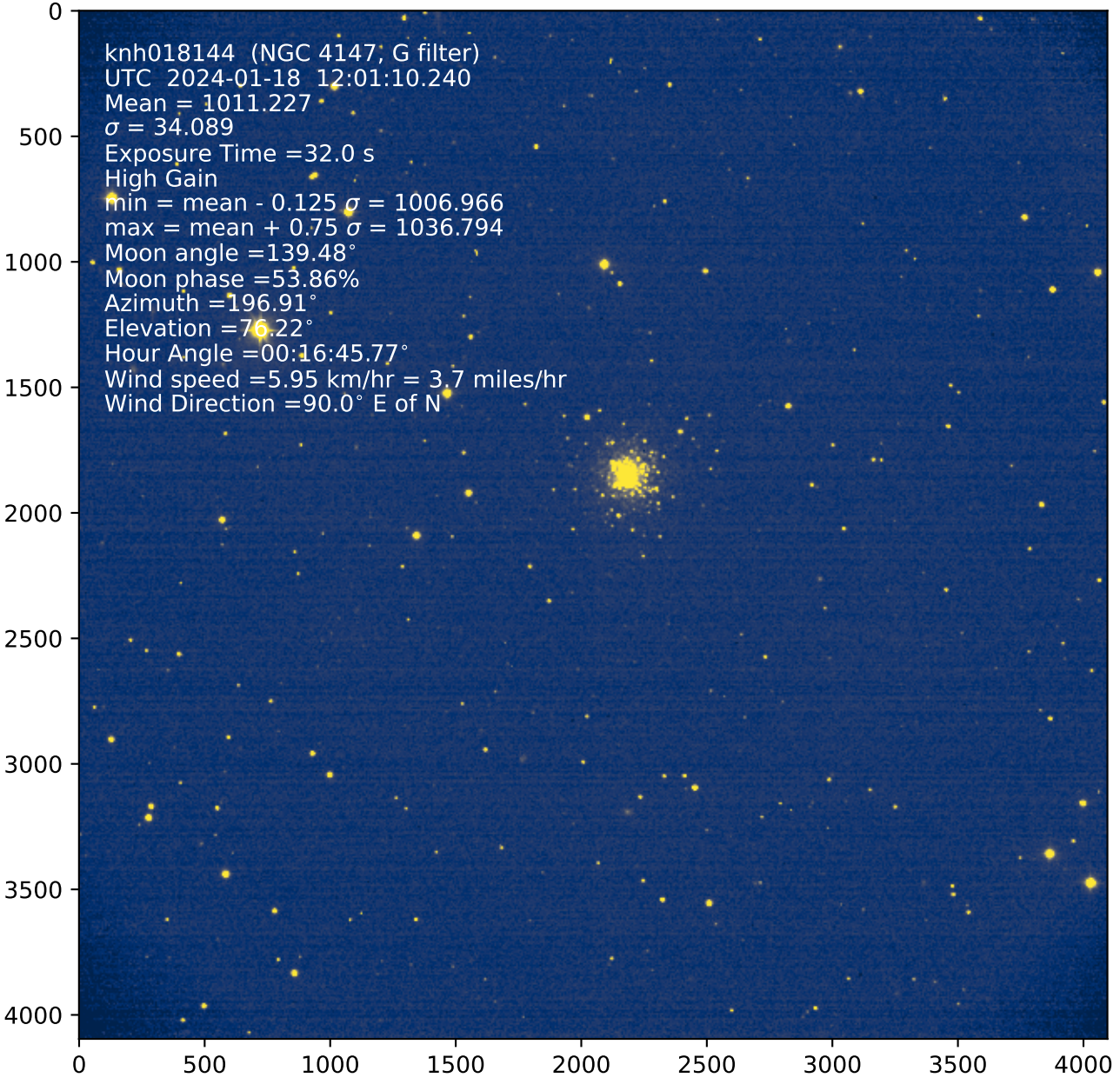

knh018149 (NGC 5272, G filter)
UTC 2024-01-18 11:56:44.590
Mean = 1013.749
σ = 55.183
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.852
max = mean + 0.75 σ = 1055.136
Moon angle =139.03°
Moon phase =53.83%
Azimuth =96.07°
Elevation =72.45°
Hour Angle =-01:19:38.99°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

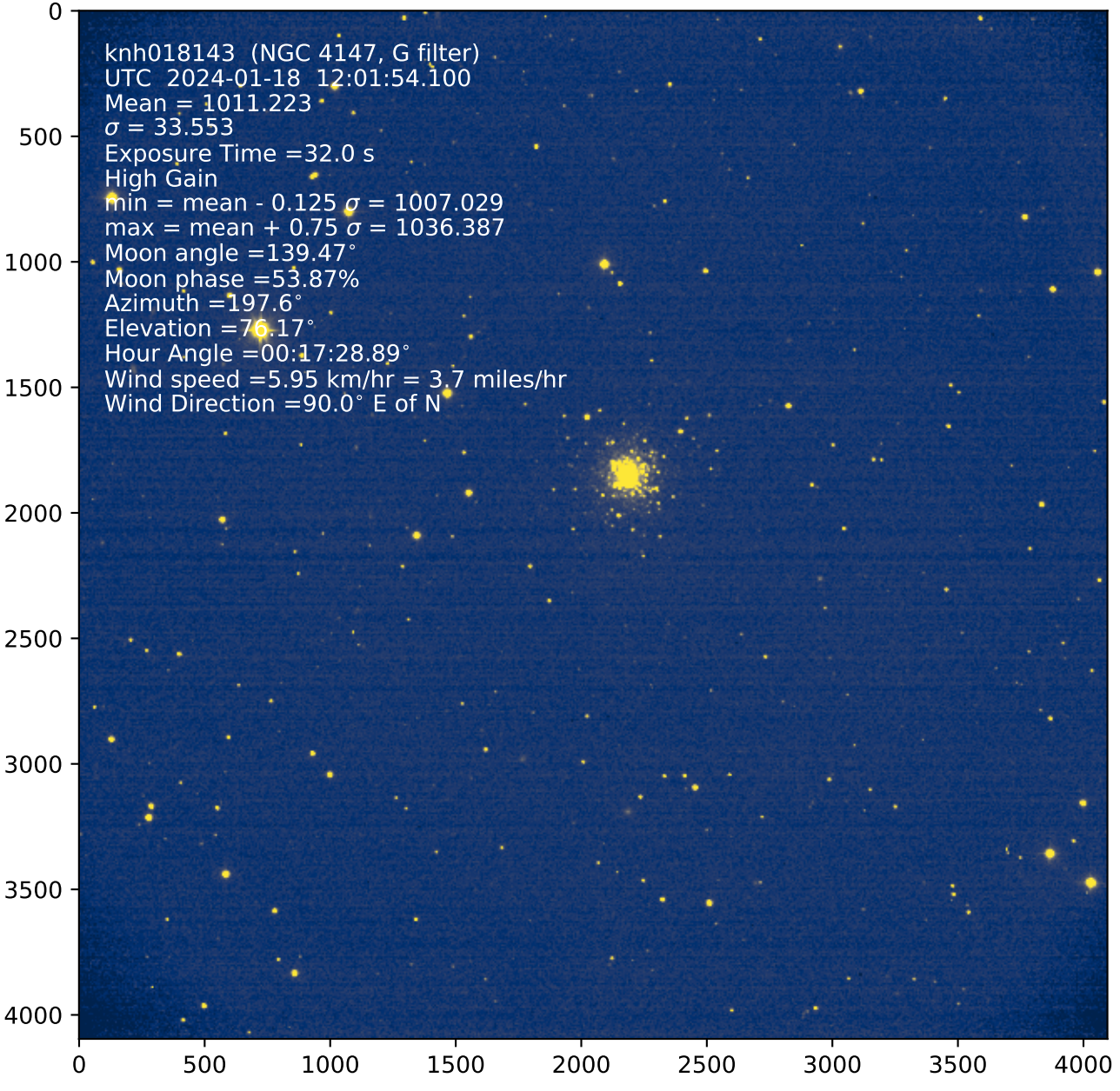

knh018148 (NGC 5272, G filter)
UTC 2024-01-18 11:57:30.73
Mean = 1013.652
σ = 55.640
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.697
max = mean + 0.75 σ = 1055.382
Moon angle =139.03°
Moon phase =53.84%
Azimuth =96.22°
Elevation =72.61°
Hour Angle =-01:18:52.86°
Wind speed =4.51 km/hr = 2.8 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

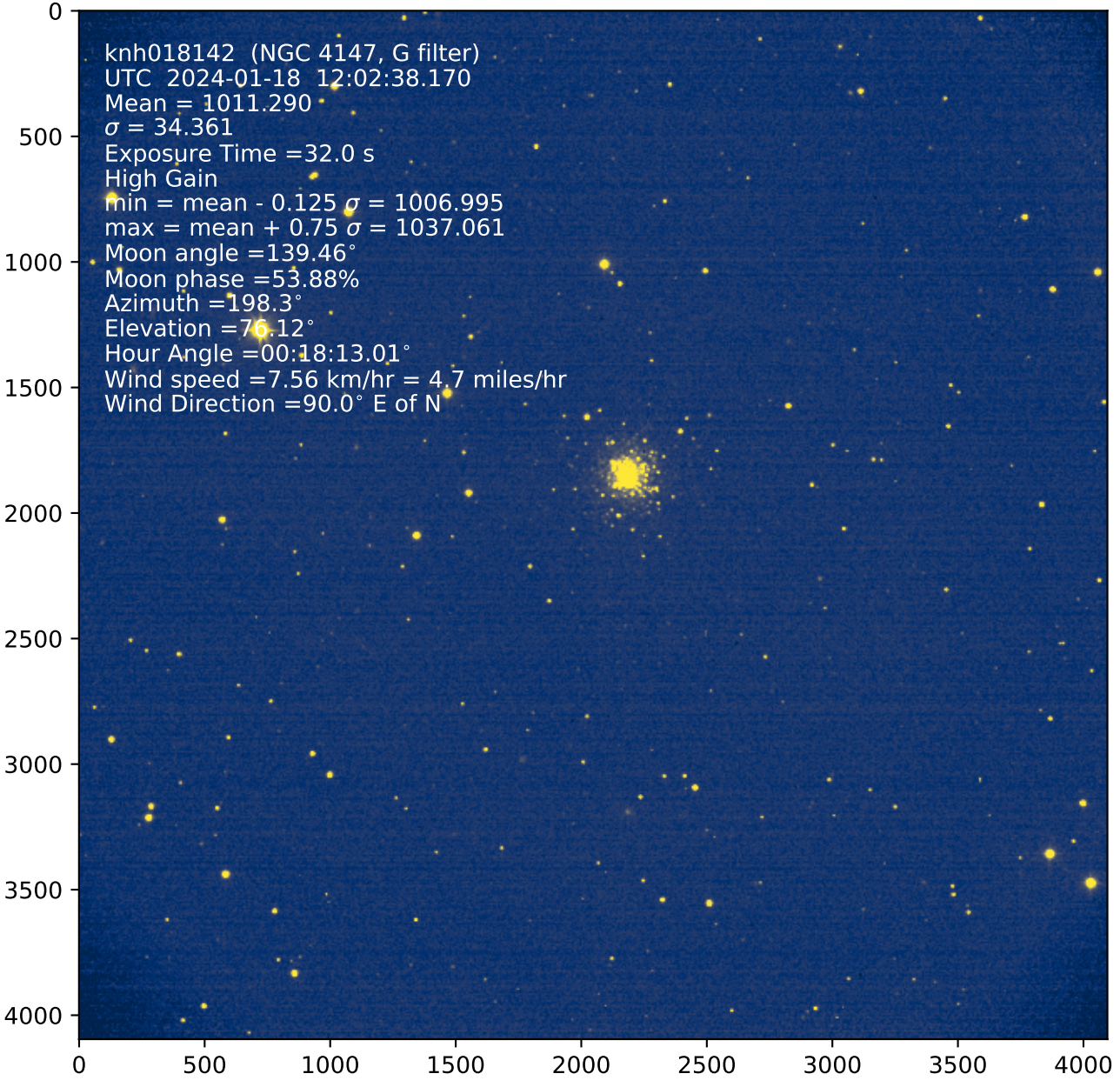

knh018147 (NGC 5272, G filter)
UTC 2024-01-18 11:58:29.48
Mean = 1013.603
σ = 55.363
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.683
max = mean + 0.75 σ = 1055.125
Moon angle =139.02°
Moon phase =53.84%
Azimuth =96.43°
Elevation =72.82°
Hour Angle =-01:17:53.70°
Wind speed =6.44 km/hr = 4.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

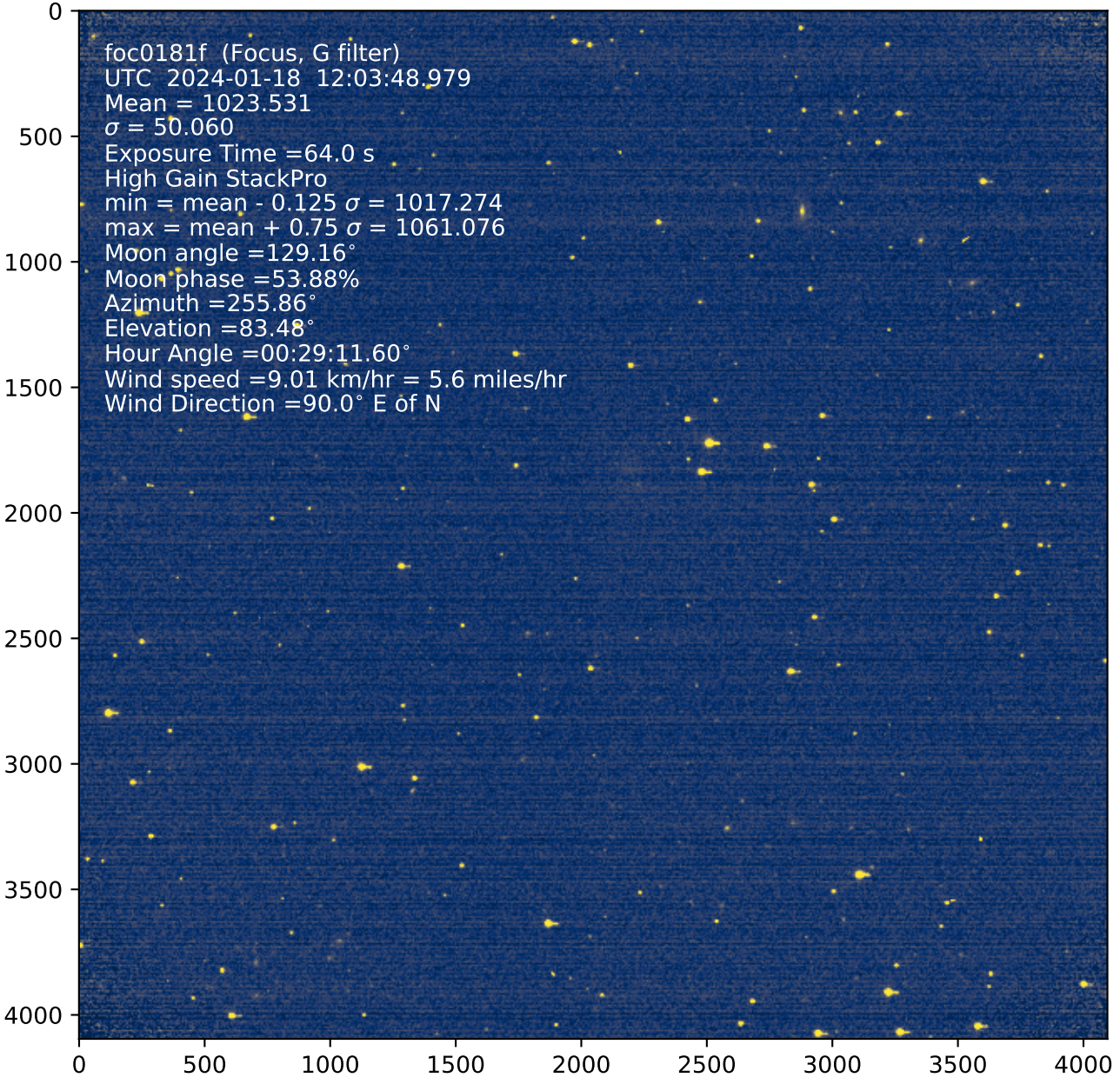

knh018146 (NGC 4147, G filter)
UTC 2024-01-18 11:59:42.409
Mean = 1011.386
σ = 36.026
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.883
max = mean + 0.75 σ = 1038.406
Moon angle =139.5°
Moon phase =53.85%
Azimuth =195.49°
Elevation =76.3°
Hour Angle =00:15:17.53°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

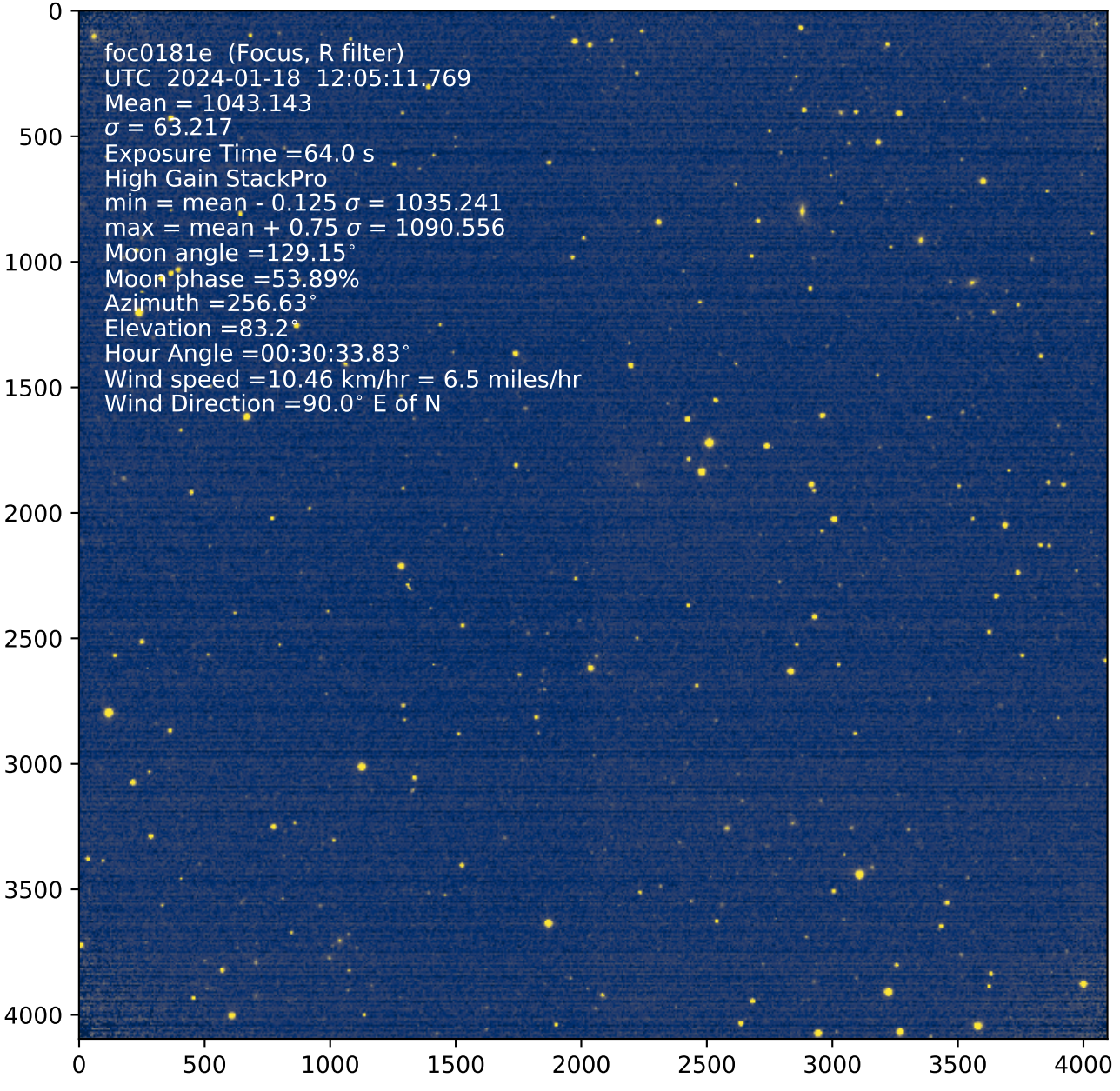

knh018145 (NGC 4147, G filter)
UTC 2024-01-18 12:00:26.109
Mean = 1011.253
σ = 33.834
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.024
max = mean + 0.75 σ = 1036.629
Moon angle =139.49°
Moon phase =53.86%
Azimuth =196.19°
Elevation =76.26°
Hour Angle =00:16:00.64°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

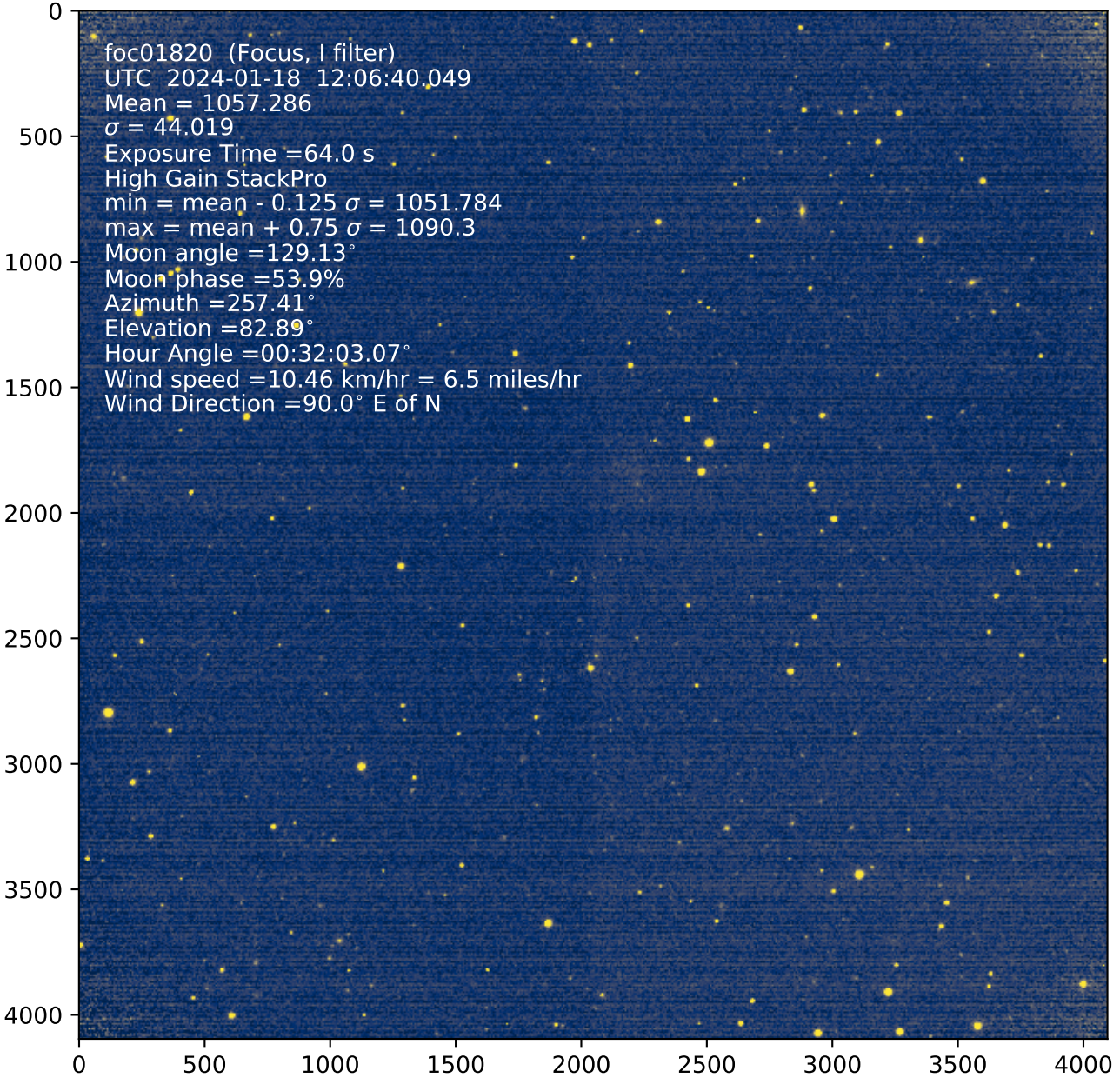

knh018144 (NGC 4147, G filter)
UTC 2024-01-18 12:01:10.240
Mean = 1011.227
σ = 34.089
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.966
max = mean + 0.75 σ = 1036.794
Moon angle =139.48°
Moon phase =53.86%
Azimuth =196.91°
Elevation =76.22°
Hour Angle =00:16:45.77°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

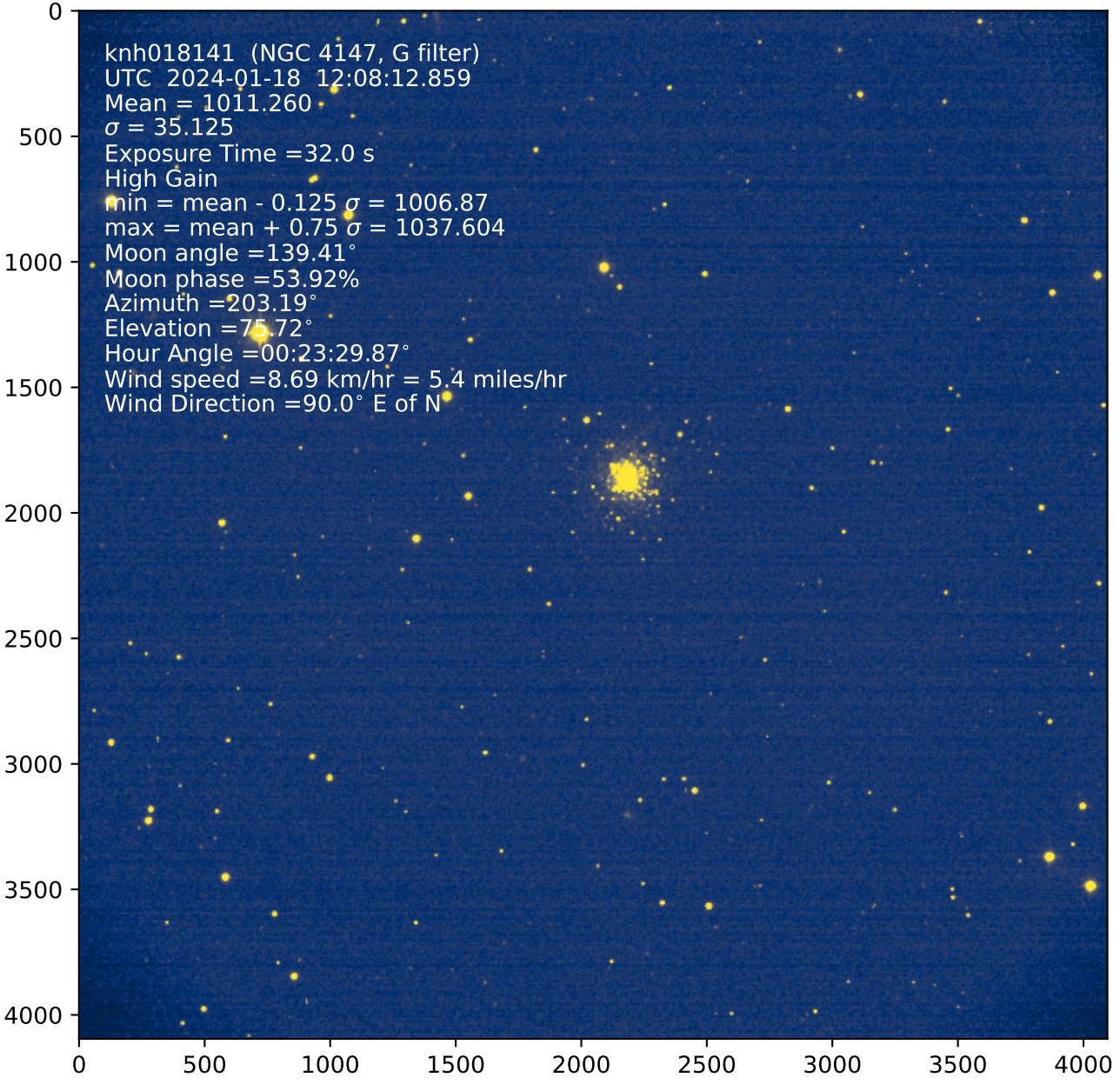

knh018143 (NGC 4147, G filter)
UTC 2024-01-18 12:01:54.100
Mean = 1011.223
σ = 33.553
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1007.029
max = mean + 0.75 σ = 1036.387
Moon angle =139.47°
Moon phase =53.87%
Azimuth =197.6°
Elevation =76.17°
Hour Angle =00:17:28.89°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

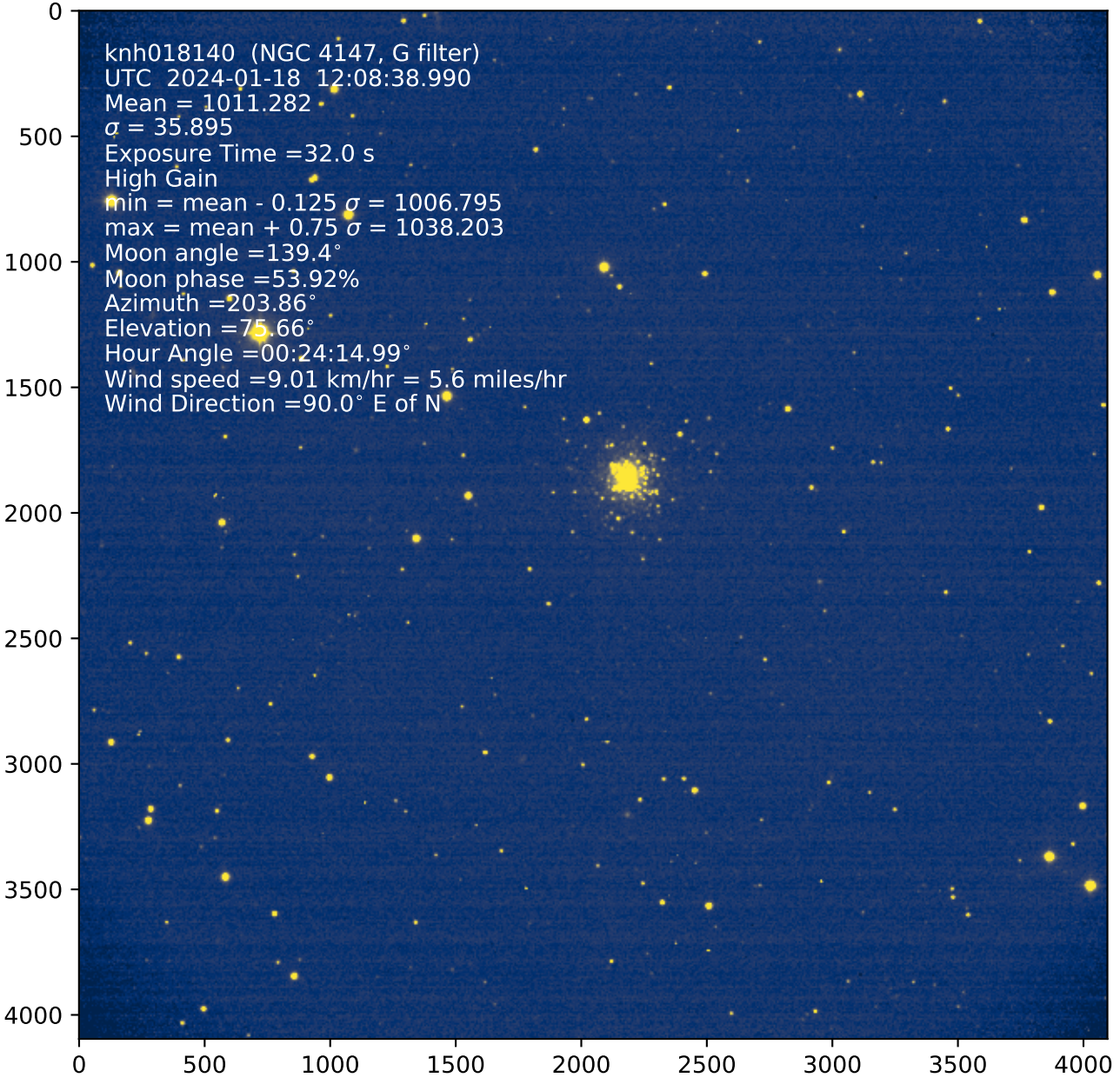

knh018142 (NGC 4147, G filter)
UTC 2024-01-18 12:02:38.170
Mean = 1011.290
σ = 34.361
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.995
max = mean + 0.75 σ = 1037.061
Moon angle =139.46°
Moon phase =53.88%
Azimuth =198.3°
Elevation =76.12°
Hour Angle =00:18:13.01°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

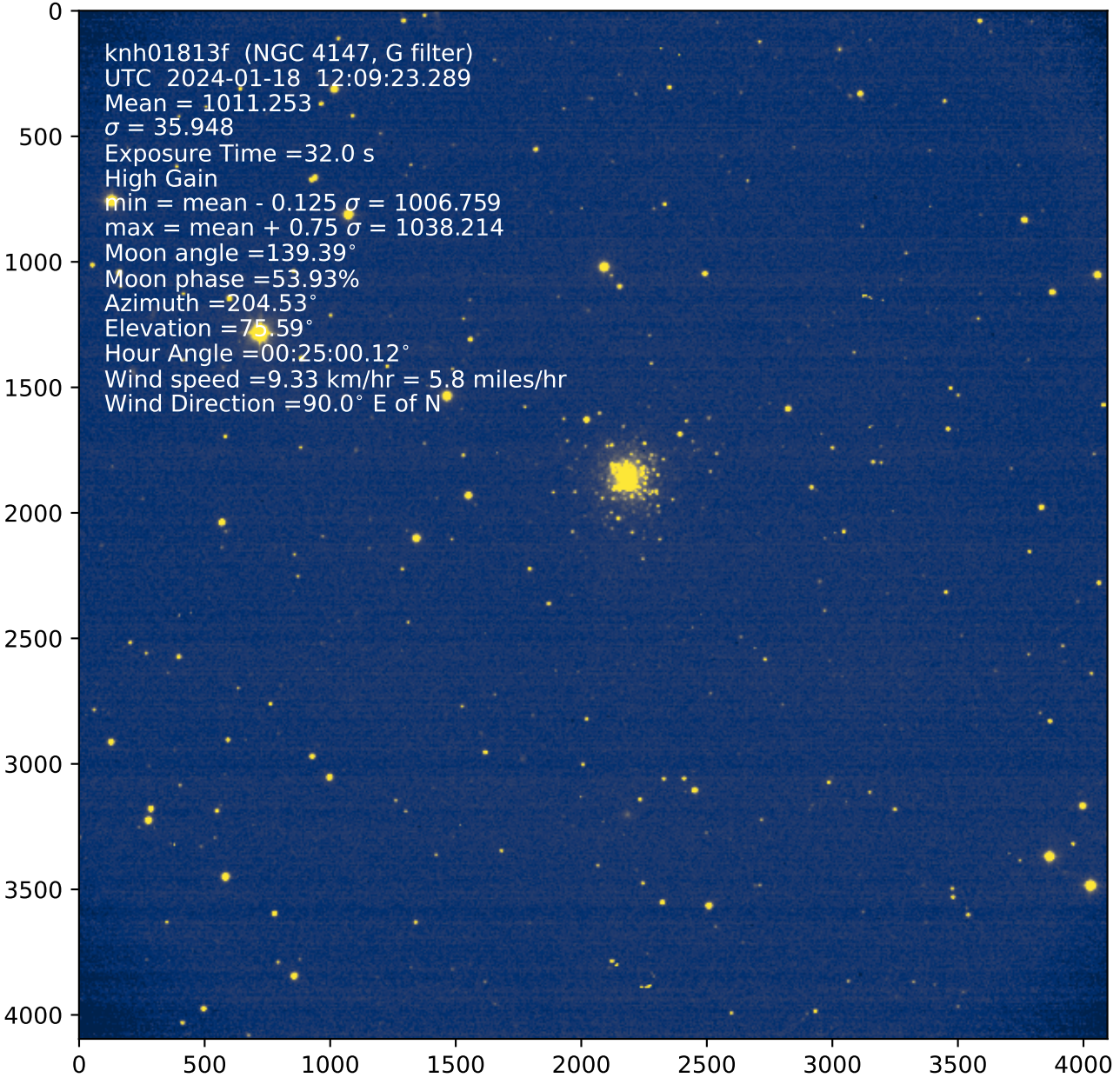

foc0181f (Focus, G filter)
UTC 2024-01-18 12:03:48.979
Mean = 1023.531
σ = 50.060
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1017.274
max = mean + 0.75 σ = 1061.076
Moon angle =129.16˚
Moon phase =53.88%
Azimuth =255.86˚
Elevation =83.48˚
Hour Angle =00:29:11.60˚
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =90.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

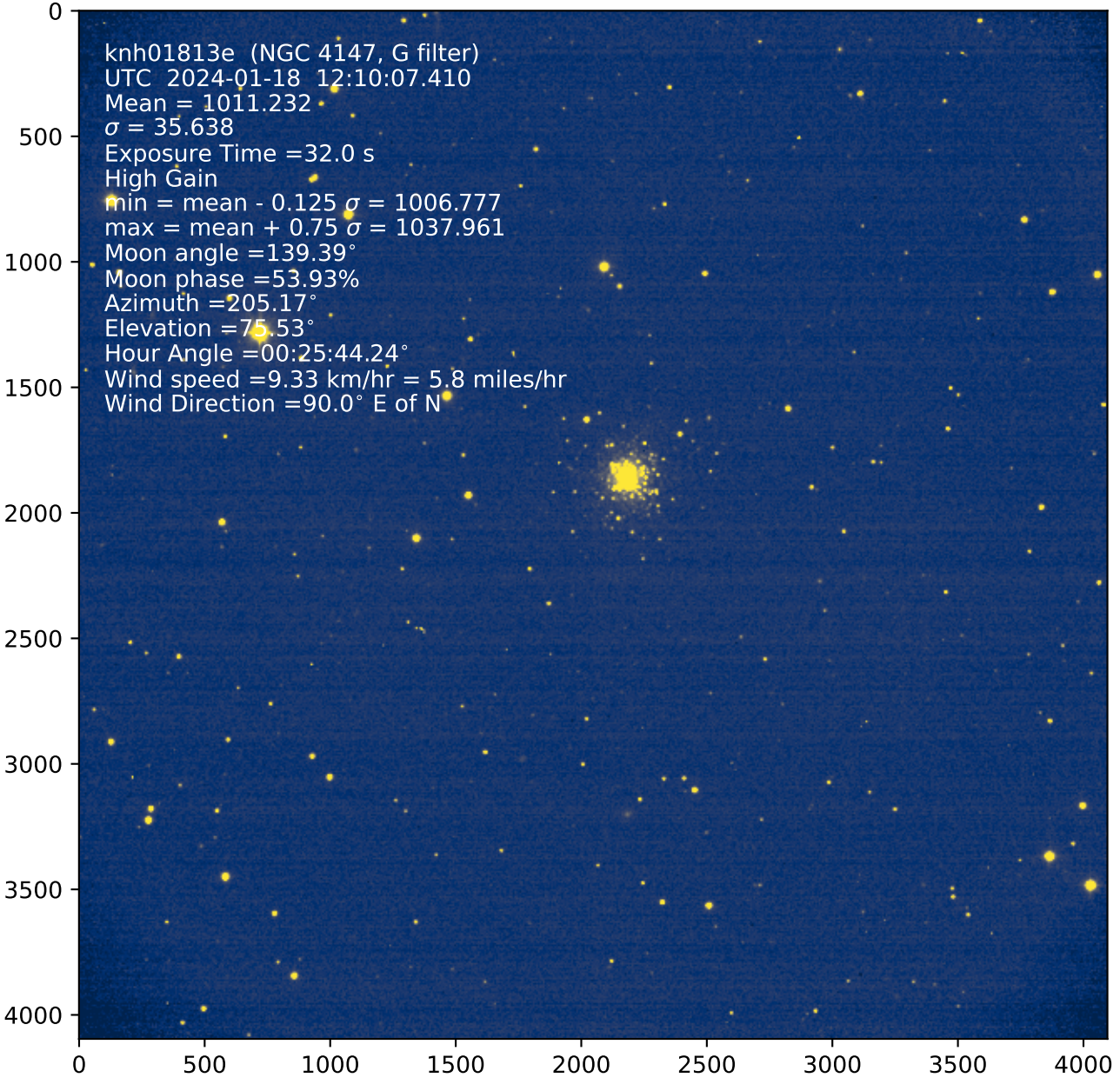

foc0181e (Focus, R filter)
UTC 2024-01-18 12:05:11.769
Mean = 1043.143
σ = 63.217
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1035.241
max = mean + 0.75 σ = 1090.556
Moon angle =129.15°
Moon phase =53.89%
Azimuth =256.63°
Elevation =83.2°
Hour Angle =00:30:33.83°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

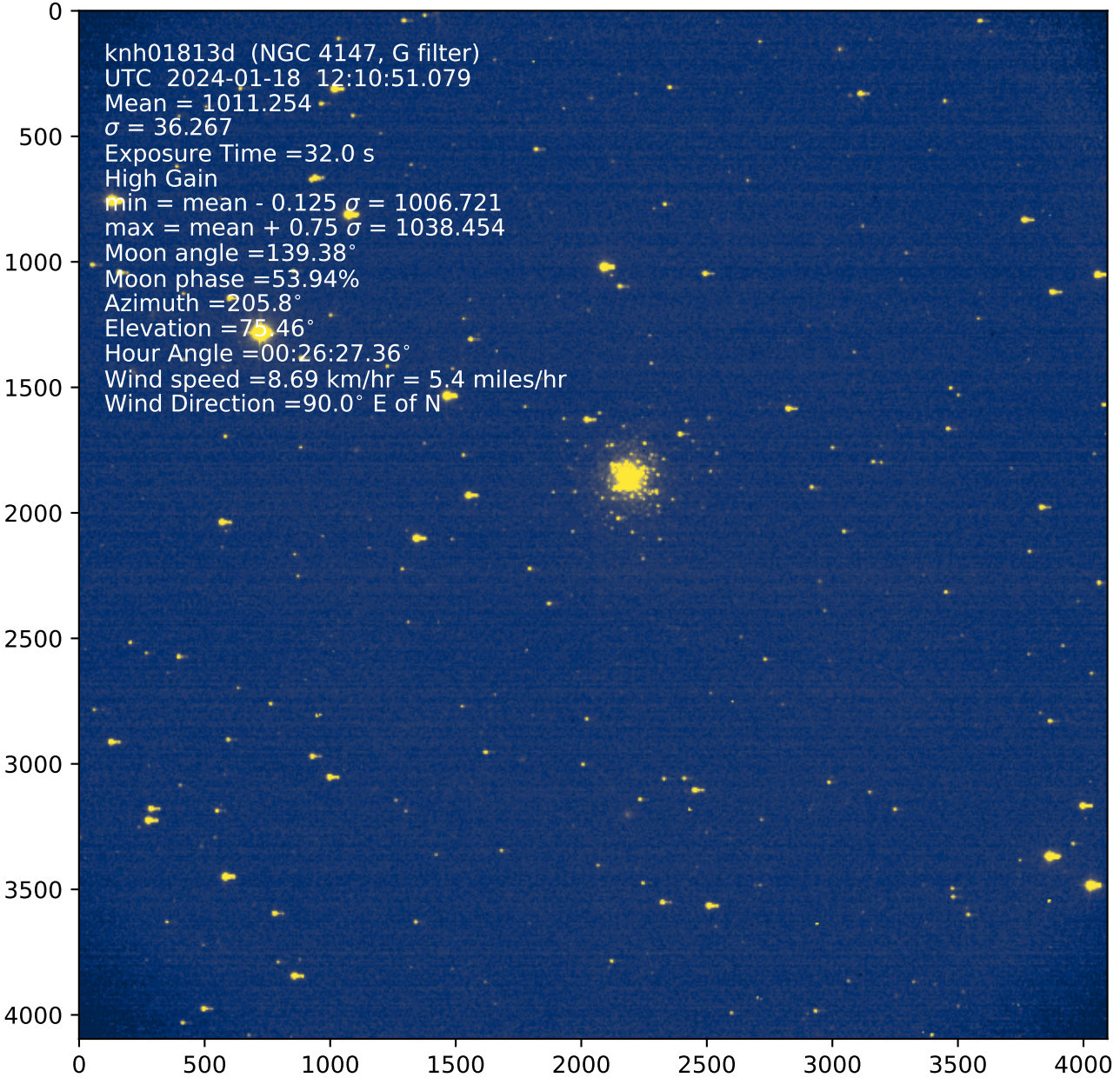

foc01820 (Focus, I filter)
UTC 2024-01-18 12:06:40.049
Mean = 1057.286
σ = 44.019
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1051.784
max = mean + 0.75 σ = 1090.3
Moon angle =129.13˚
Moon phase =53.9%
Azimuth =257.41˚
Elevation =82.89˚
Hour Angle =00:32:03.07˚
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =90.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

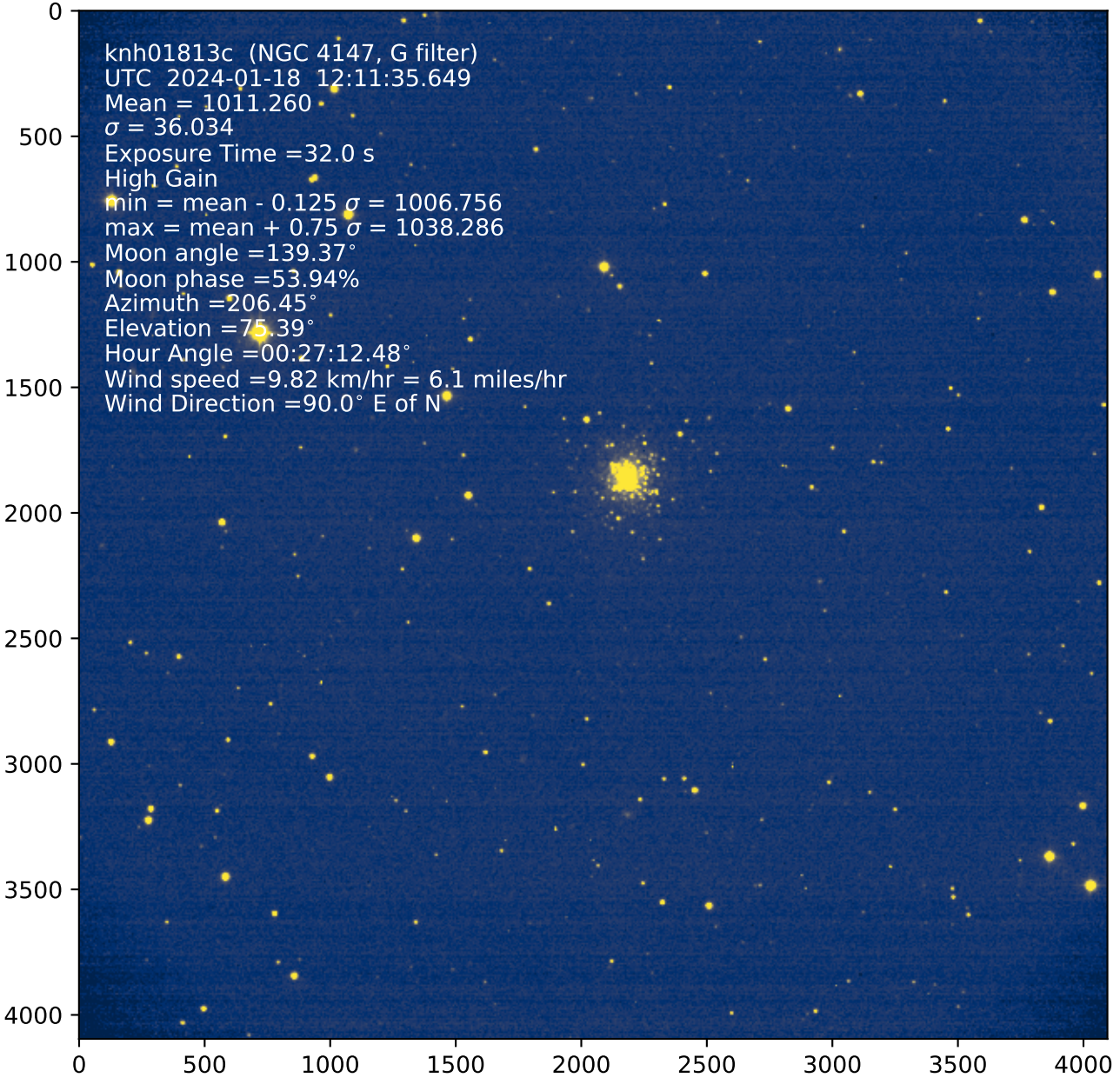

knh018141 (NGC 4147, G filter)
UTC 2024-01-18 12:08:12.859
Mean = 1011.260
σ = 35.125
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.87
max = mean + 0.75 σ = 1037.604
Moon angle =139.41°
Moon phase =53.92%
Azimuth =203.19°
Elevation =75.72°
Hour Angle =00:23:29.87°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

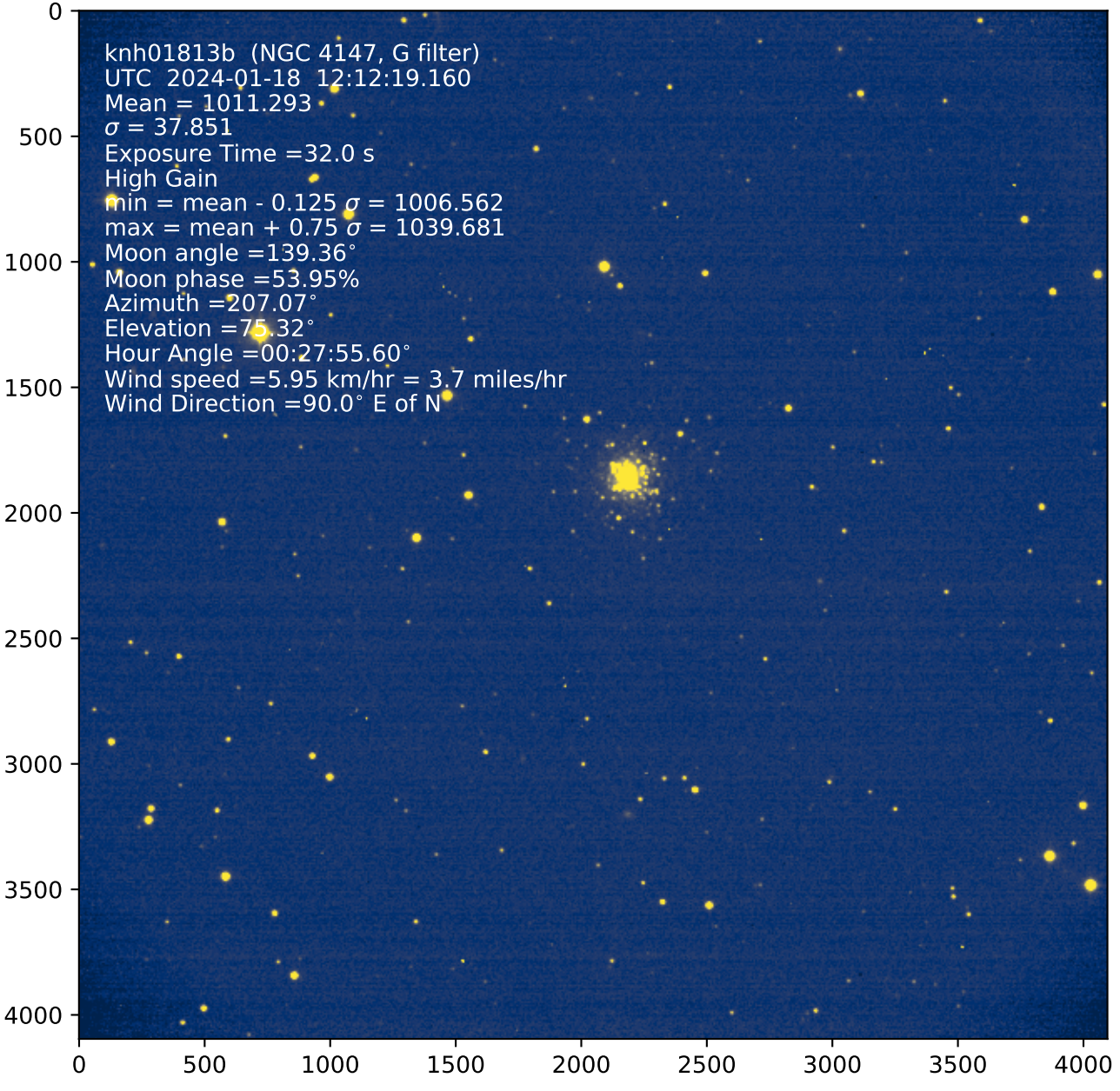

knh018140 (NGC 4147, G filter)
UTC 2024-01-18 12:08:38.990
Mean = 1011.282
σ = 35.895
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.795
max = mean + 0.75 σ = 1038.203
Moon angle =139.4°
Moon phase =53.92%
Azimuth =203.86°
Elevation =75.66°
Hour Angle =00:24:14.99°
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

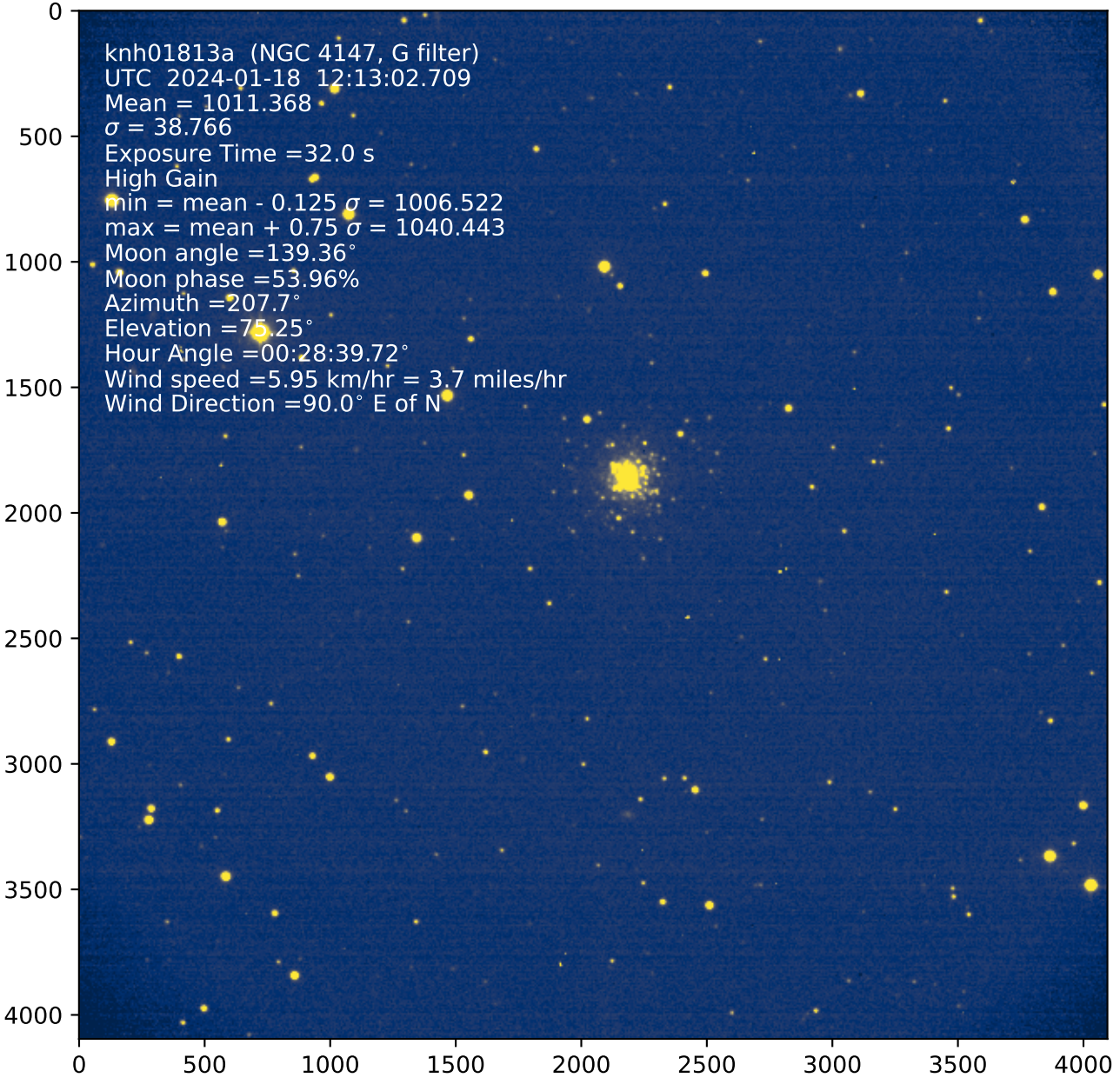

knh01813f (NGC 4147, G filter)
UTC 2024-01-18 12:09:23.289
Mean = 1011.253
σ = 35.948
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.759
max = mean + 0.75 σ = 1038.214
Moon angle =139.39°
Moon phase =53.93%
Azimuth =204.53°
Elevation =75.59°
Hour Angle =00:25:00.12°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

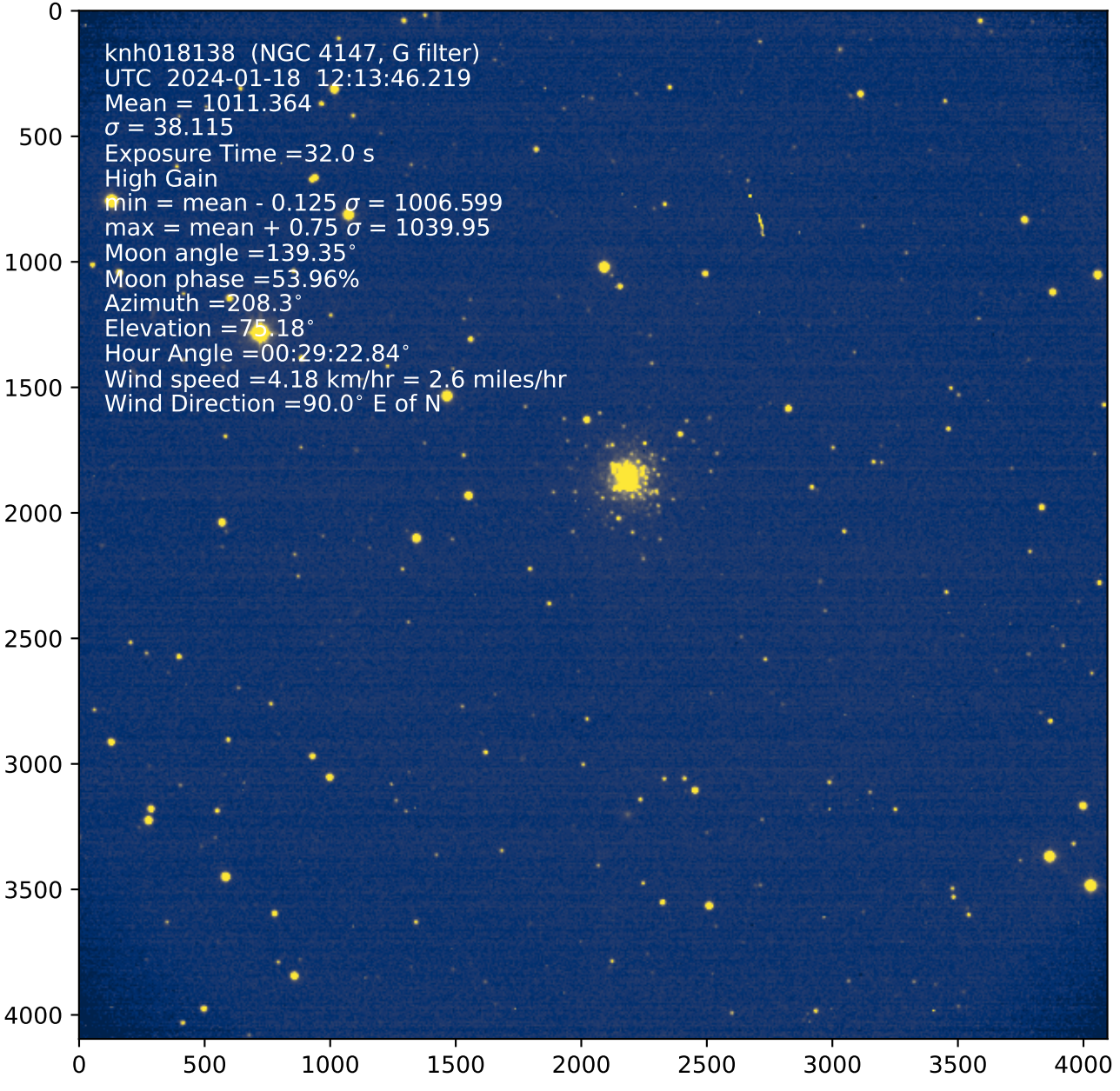

knh01813e (NGC 4147, G filter)
UTC 2024-01-18 12:10:07.410
Mean = 1011.232
σ = 35.638
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.777
max = mean + 0.75 σ = 1037.961
Moon angle =139.39°
Moon phase =53.93%
Azimuth =205.17°
Elevation =75.53°
Hour Angle =00:25:44.24°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

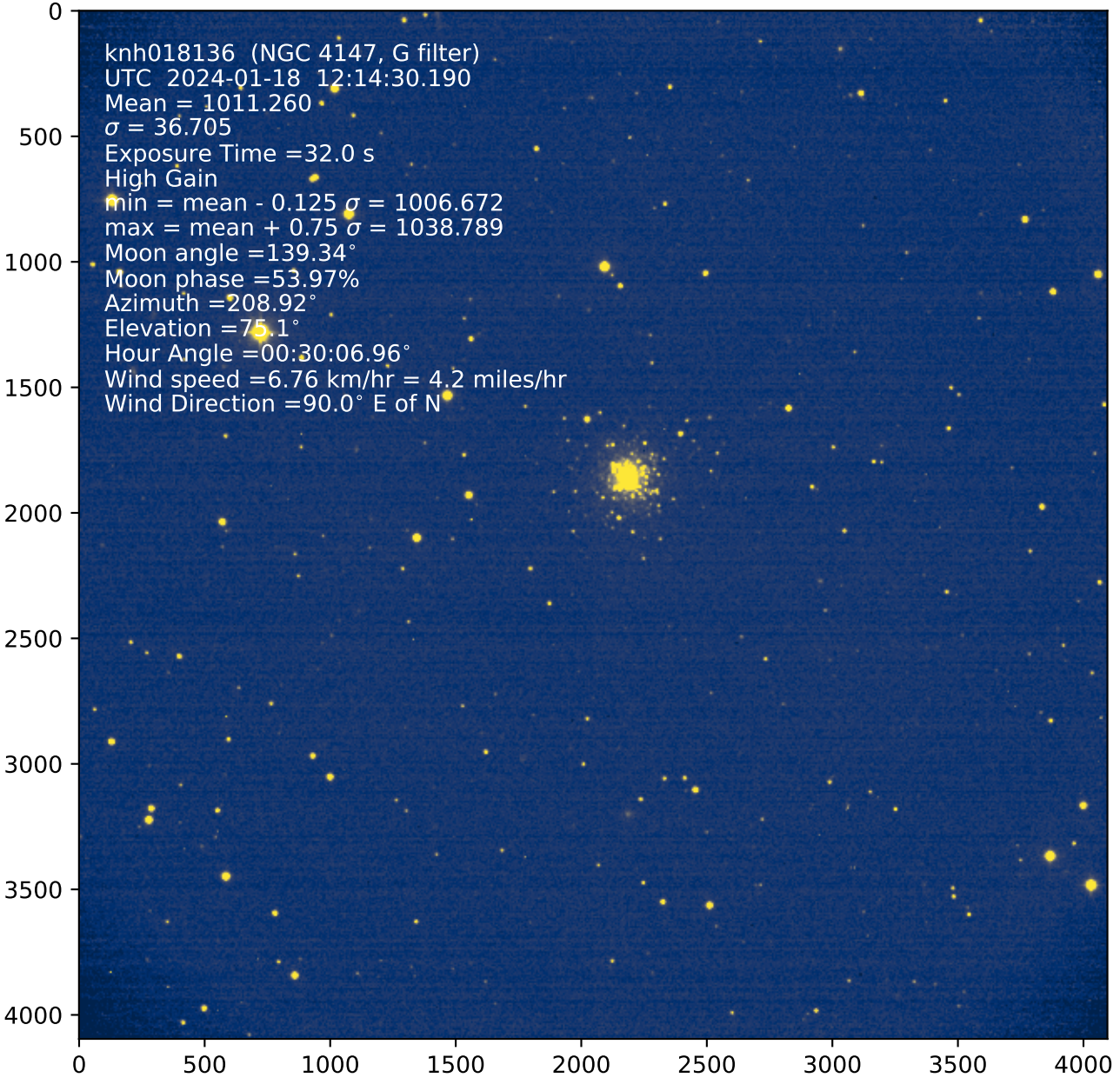

knh01813d (NGC 4147, G filter)
UTC 2024-01-18 12:10:51.079
Mean = 1011.254
σ = 36.267
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.721
max = mean + 0.75 σ = 1038.454
Moon angle =139.38˚
Moon phase =53.94%
Azimuth =205.8˚
Elevation =75.46˚
Hour Angle =00:26:27.36˚
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =90.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

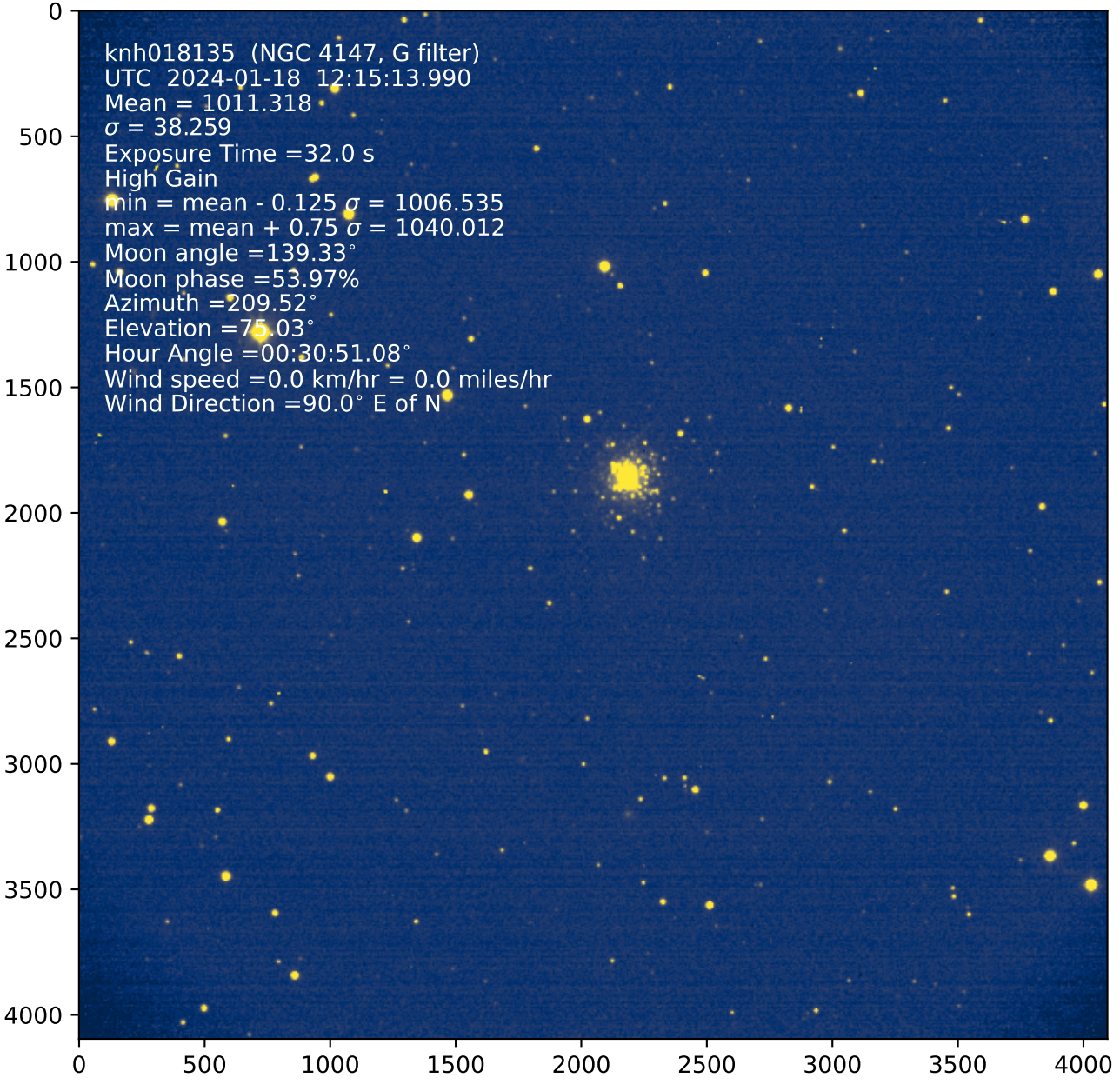

knh01813c (NGC 4147, G filter)
UTC 2024-01-18 12:11:35.649
Mean = 1011.260
σ = 36.034
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.756
max = mean + 0.75 σ = 1038.286
Moon angle =139.37°
Moon phase =53.94%
Azimuth =206.45°
Elevation =75.39°
Hour Angle =00:27:12.48°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

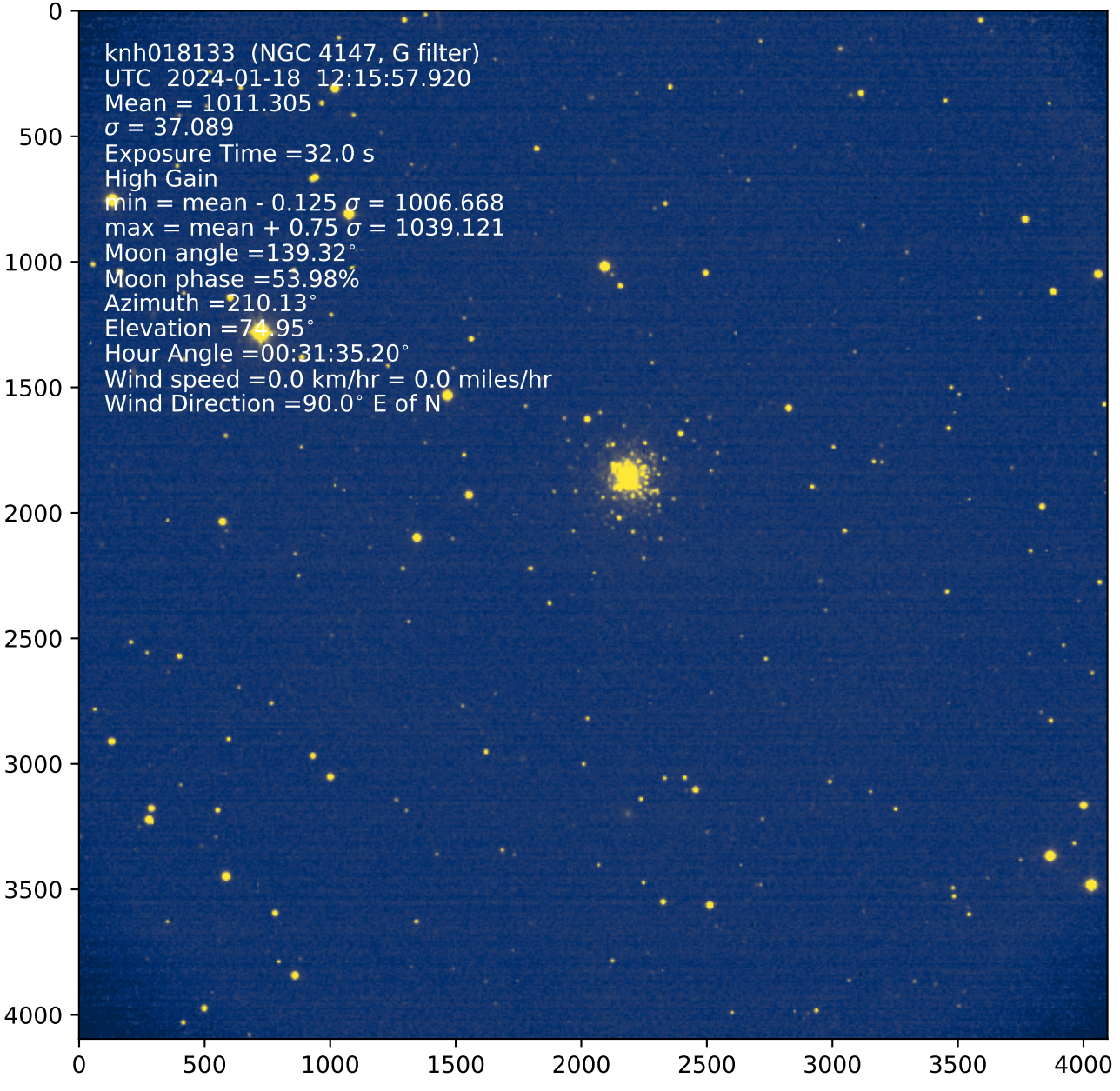

knh01813b (NGC 4147, G filter)
UTC 2024-01-18 12:12:19.160
Mean = 1011.293
σ = 37.851
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.562
max = mean + 0.75 σ = 1039.681
Moon angle =139.36°
Moon phase =53.95%
Azimuth =207.07°
Elevation =75.32°
Hour Angle =00:27:55.60°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

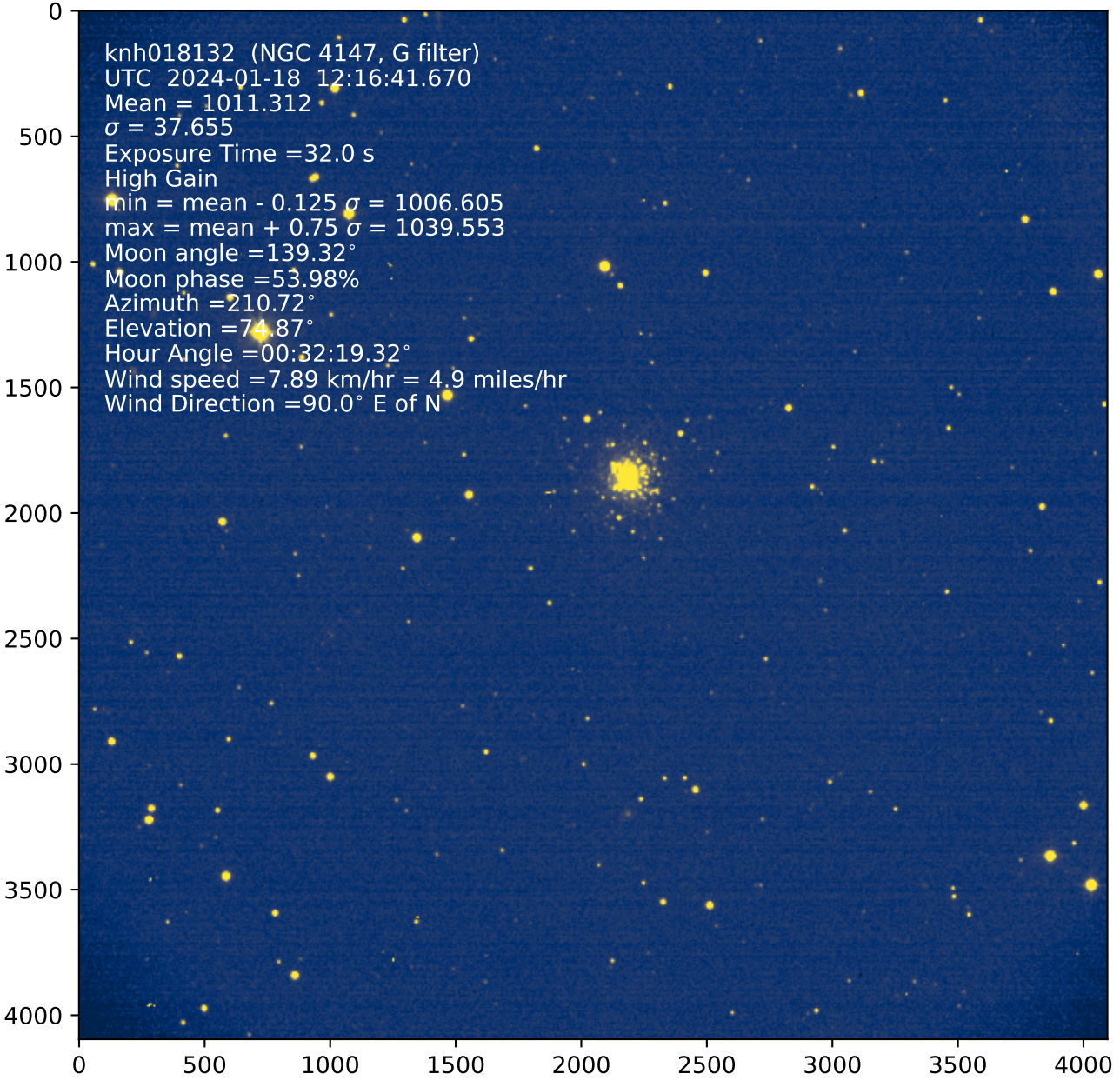

knh01813a (NGC 4147, G filter)
UTC 2024-01-18 12:13:02.709
Mean = 1011.368
σ = 38.766
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.522
max = mean + 0.75 σ = 1040.443
Moon angle =139.36°
Moon phase =53.96%
Azimuth =207.7°
Elevation =75.25°
Hour Angle =00:28:39.72°
Wind speed =5.95 km/hr = 3.7 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

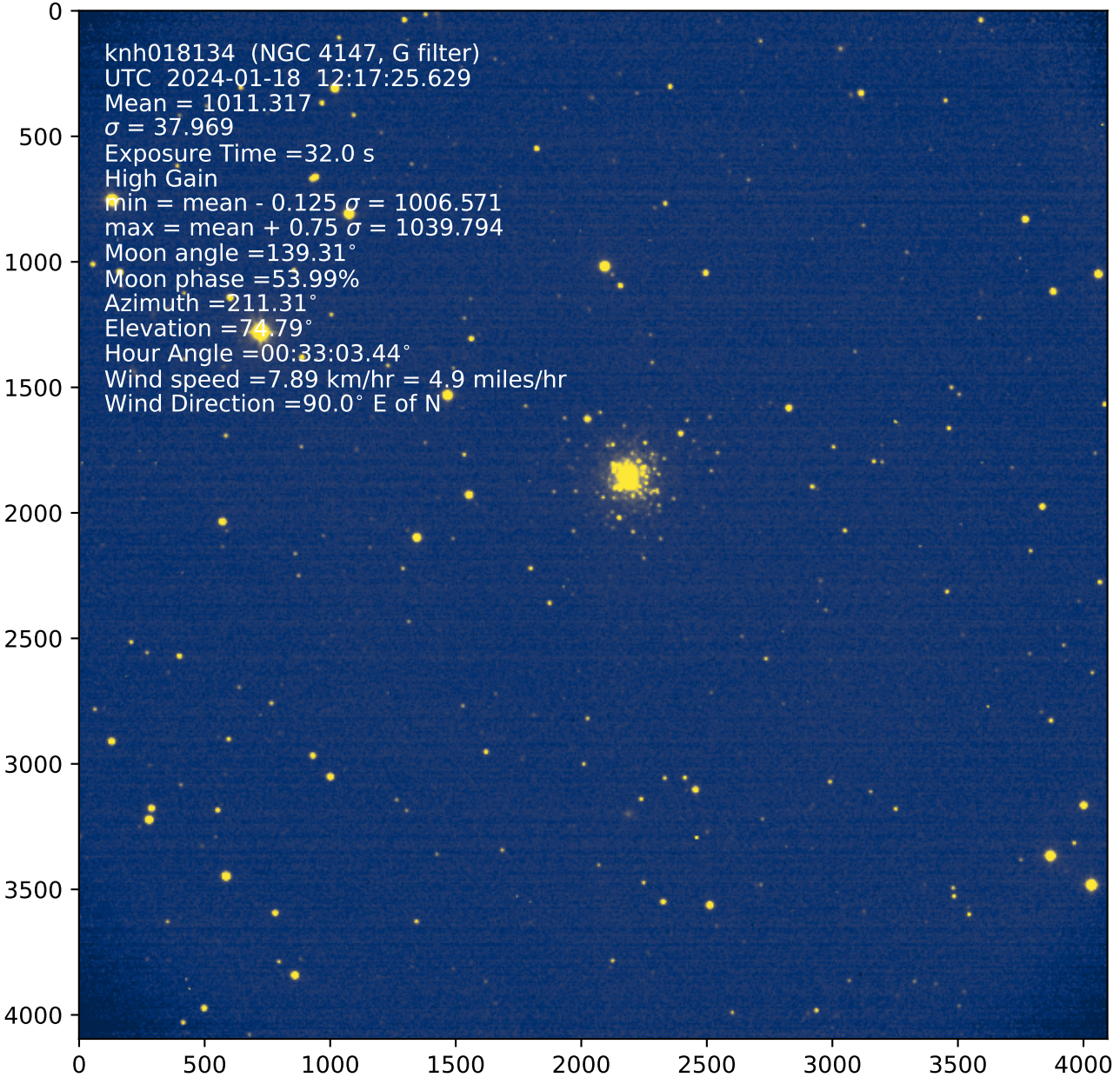

knh018138 (NGC 4147, G filter)
UTC 2024-01-18 12:13:46.219
Mean = 1011.364
σ = 38.115
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.599
max = mean + 0.75 σ = 1039.95
Moon angle =139.35°
Moon phase =53.96%
Azimuth =208.3°
Elevation =75.18°
Hour Angle =00:29:22.84°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

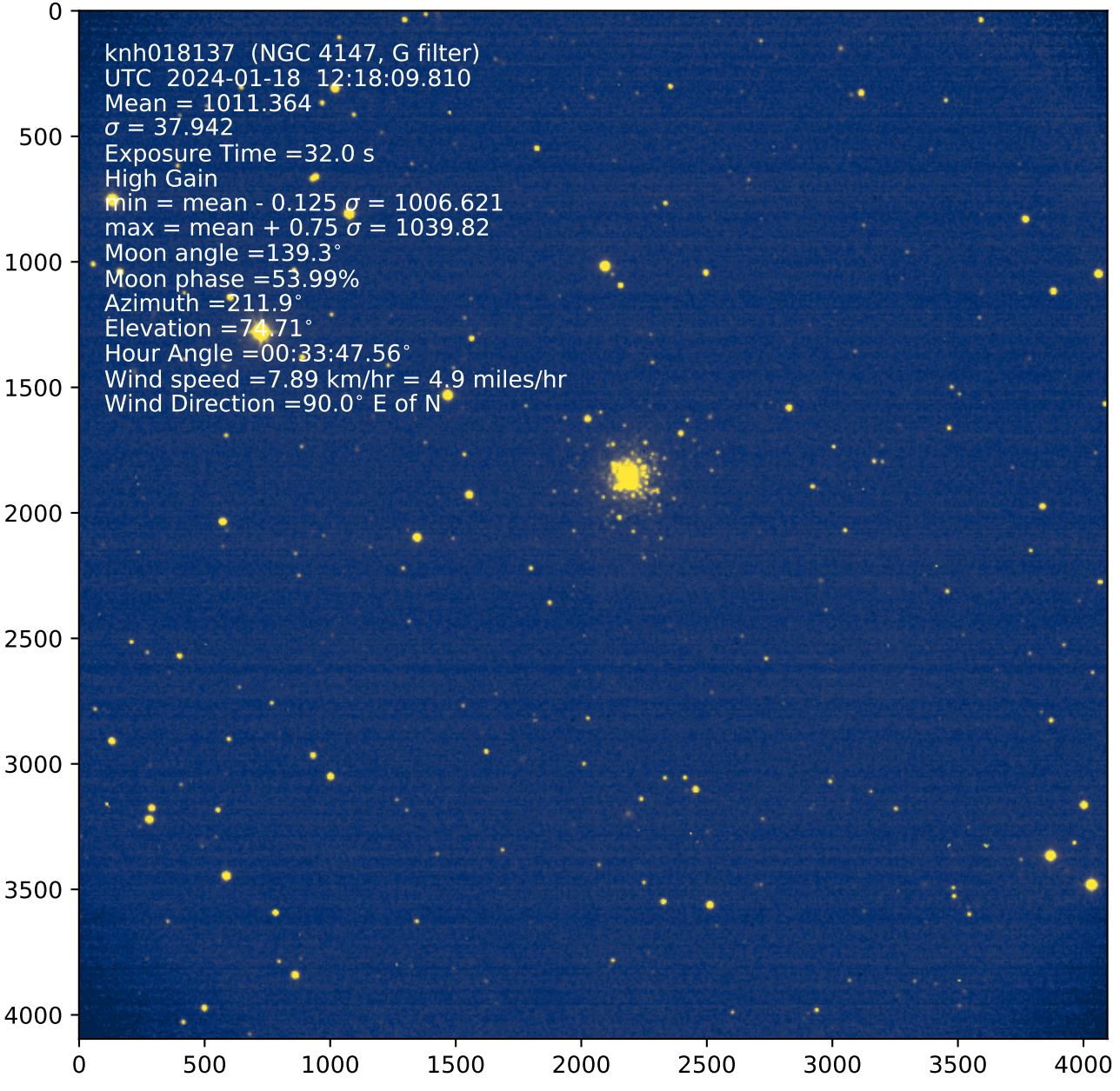

knh018136 (NGC 4147, G filter)
UTC 2024-01-18 12:14:30.190
Mean = 1011.260
σ = 36.705
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.672
max = mean + 0.75 σ = 1038.789
Moon angle =139.34˚
Moon phase =53.97%
Azimuth =208.92˚
Elevation =75.1˚
Hour Angle =00:30:06.96˚
Wind speed =6.76 km/hr = 4.2 miles/hr
Wind Direction =90.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

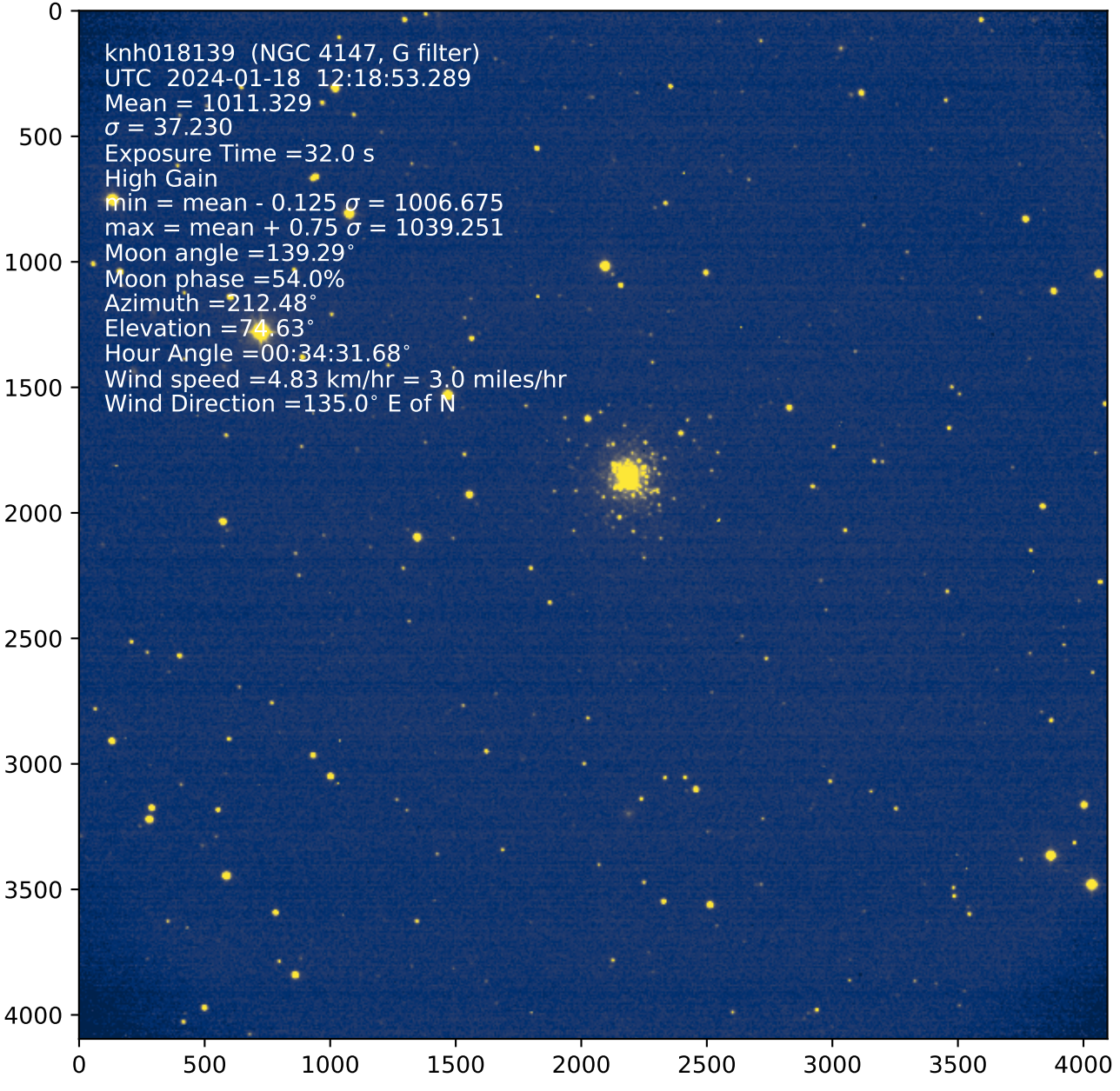

knh018135 (NGC 4147, G filter)
UTC 2024-01-18 12:15:13.990
Mean = 1011.318
σ = 38.259
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.535
max = mean + 0.75 σ = 1040.012
Moon angle =139.33°
Moon phase =53.97%
Azimuth =209.52°
Elevation =75.03°
Hour Angle =00:30:51.08°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

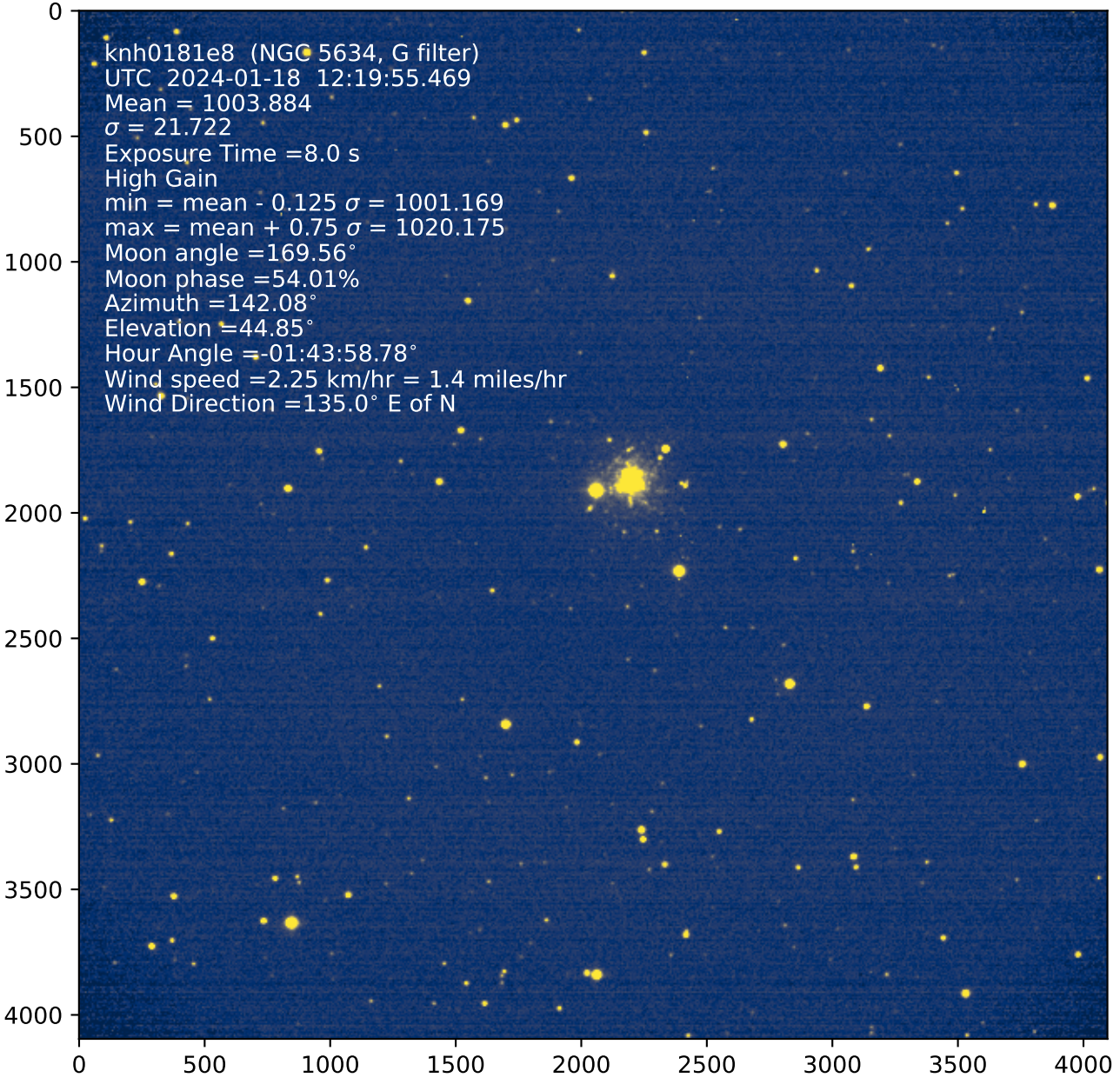

knh018133 (NGC 4147, G filter)
UTC 2024-01-18 12:15:57.920
Mean = 1011.305
σ = 37.089
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.668
max = mean + 0.75 σ = 1039.121
Moon angle =139.32°
Moon phase =53.98%
Azimuth =210.13°
Elevation =74.95°
Hour Angle =00:31:35.20°
Wind speed =0.0 km/hr = 0.0 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

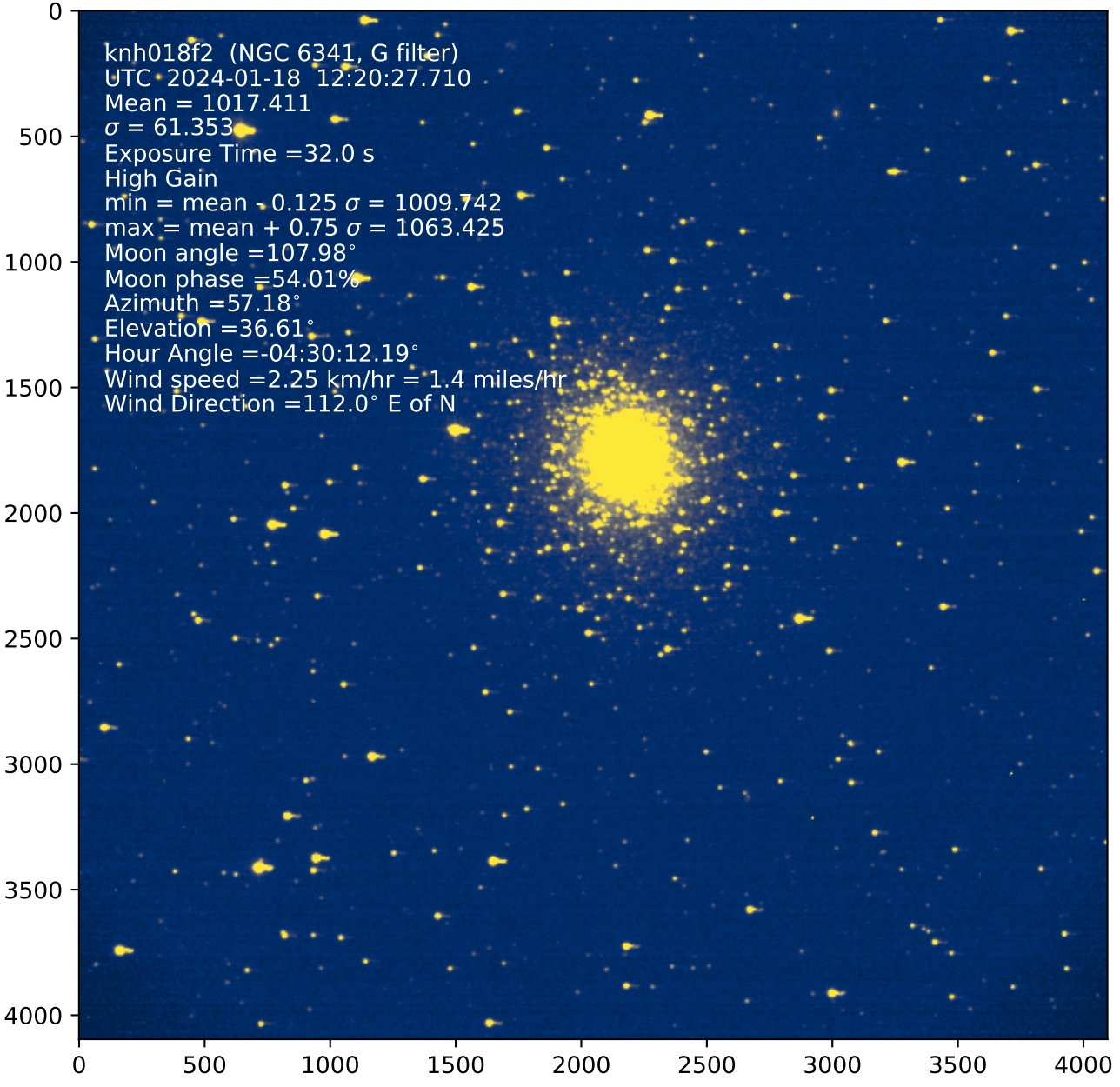

knh018132 (NGC 4147, G filter)
UTC 2024-01-18 12:16:41.670
Mean = 1011.312
σ = 37.655
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.605
max = mean + 0.75 σ = 1039.553
Moon angle =139.32°
Moon phase =53.98%
Azimuth =210.72°
Elevation =74.87°
Hour Angle =00:32:19.32°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

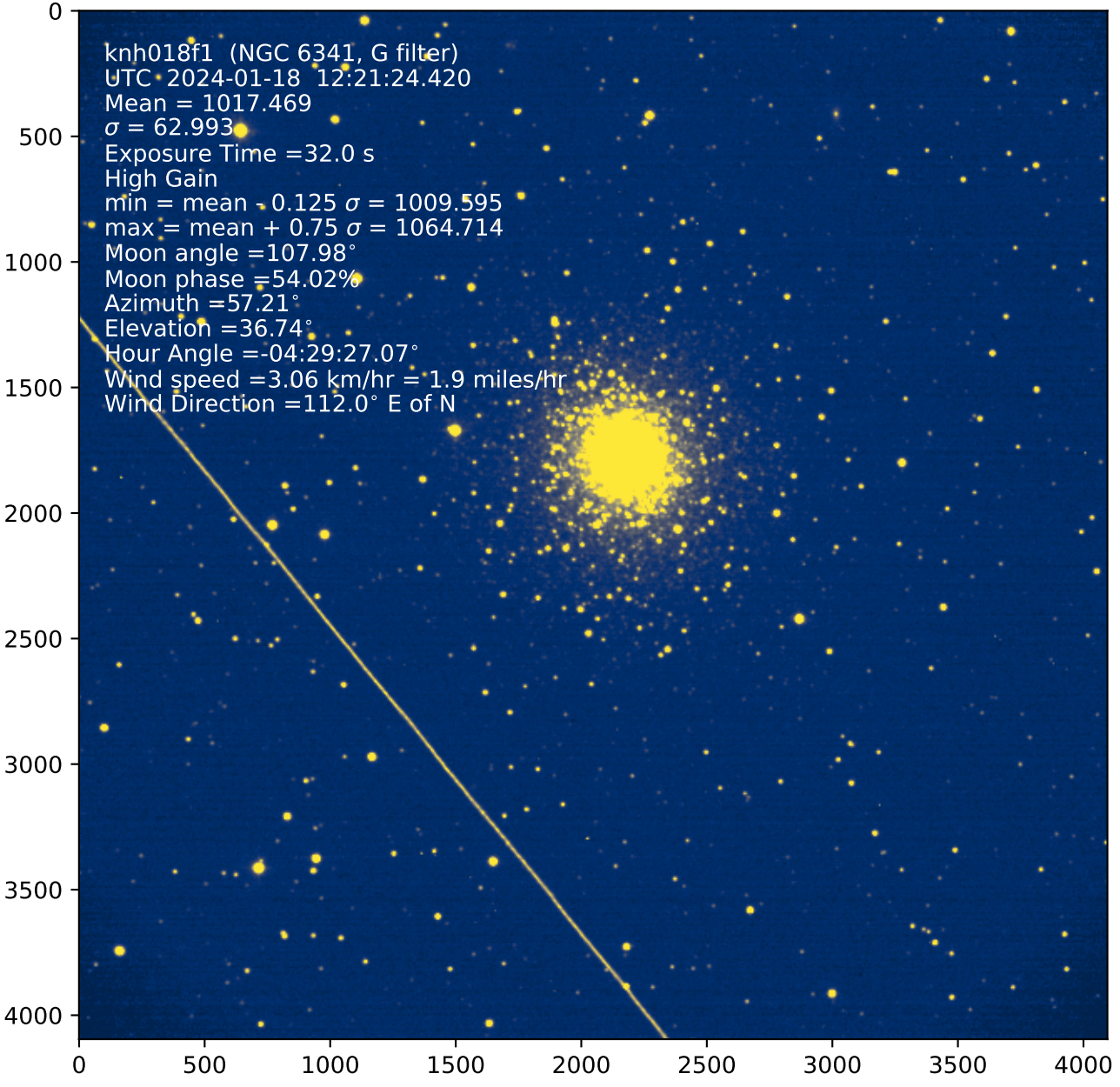

knh018134 (NGC 4147, G filter)
UTC 2024-01-18 12:17:25.629
Mean = 1011.317
σ = 37.969
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.571
max = mean + 0.75 σ = 1039.794
Moon angle =139.31°
Moon phase =53.99%
Azimuth =211.31°
Elevation =74.79°
Hour Angle =00:33:03.44°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =90.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

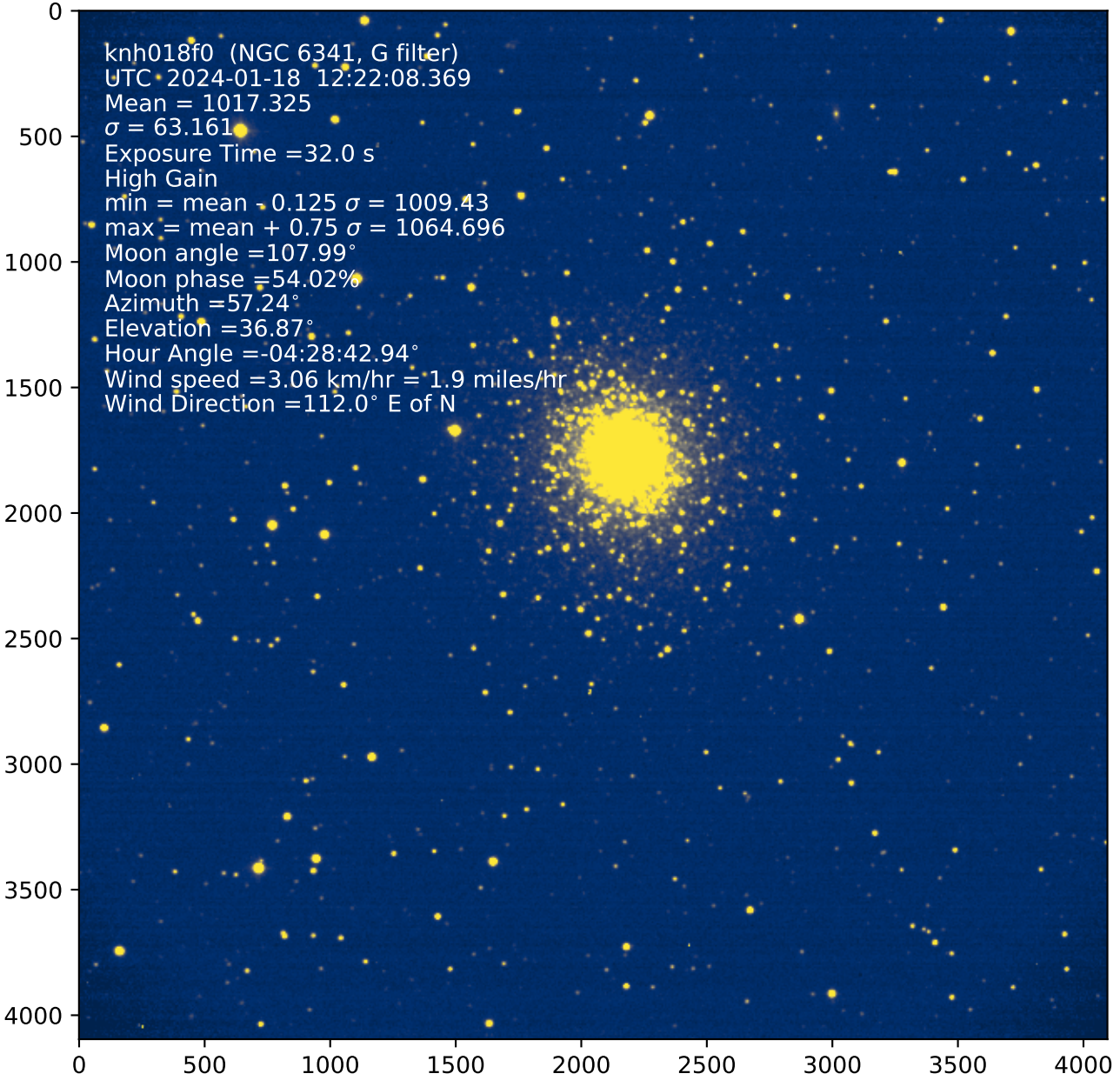

knh018137 (NGC 4147, G filter)
UTC 2024-01-18 12:18:09.810
Mean = 1011.364
σ = 37.942
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.621
max = mean + 0.75 σ = 1039.82
Moon angle =139.3˚
Moon phase =53.99%
Azimuth =211.9˚
Elevation =74.71˚
Hour Angle =00:33:47.56˚
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =90.0˚ E of N
0
500
1000
1500
2000
2500
3000
3500
4000

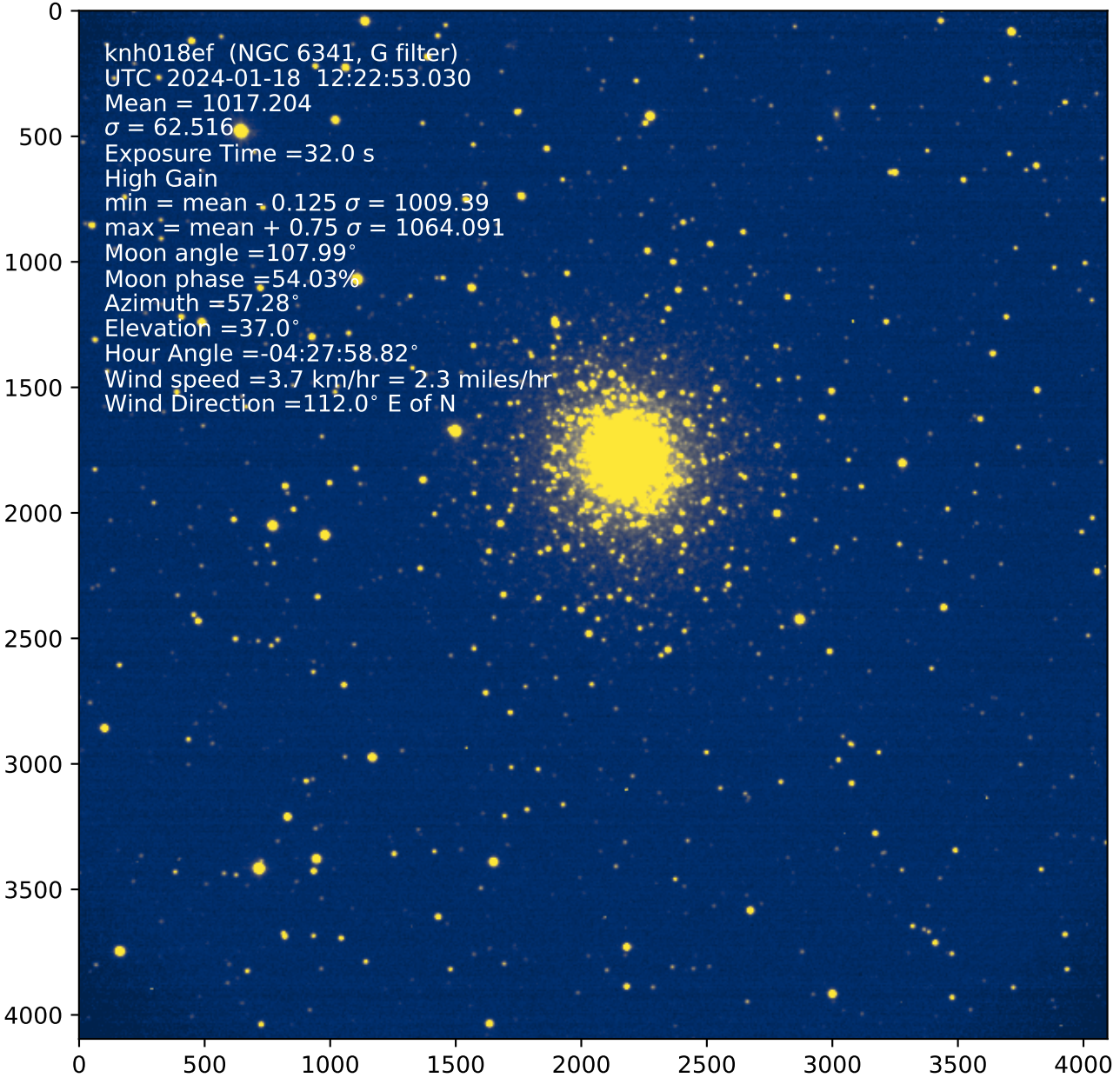

knh018139 (NGC 4147, G filter)
UTC 2024-01-18 12:18:53.289
Mean = 1011.329
σ = 37.230
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1006.675
max = mean + 0.75 σ = 1039.251
Moon angle =139.29°
Moon phase =54.0%
Azimuth =212.48°
Elevation =74.63°
Hour Angle =00:34:31.68°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

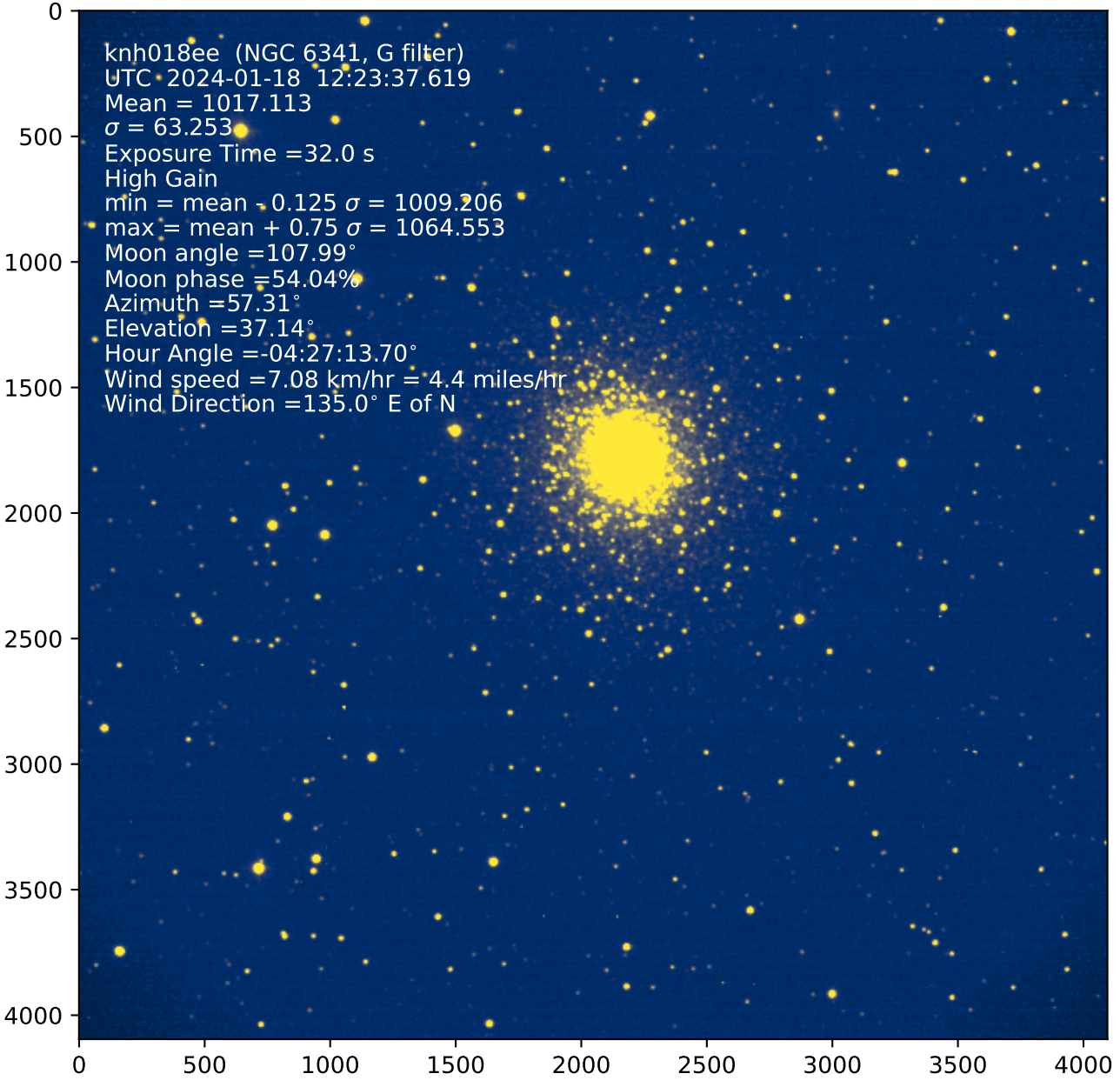

knh0181e8 (NGC 5634, G filter)
UTC 2024-01-18 12:19:55.469
Mean = 1003.884
σ = 21.722
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1001.169
max = mean + 0.75 σ = 1020.175
Moon angle =169.56°
Moon phase =54.01%
Azimuth =142.08°
Elevation =44.85°
Hour Angle =-01:43:58.78°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

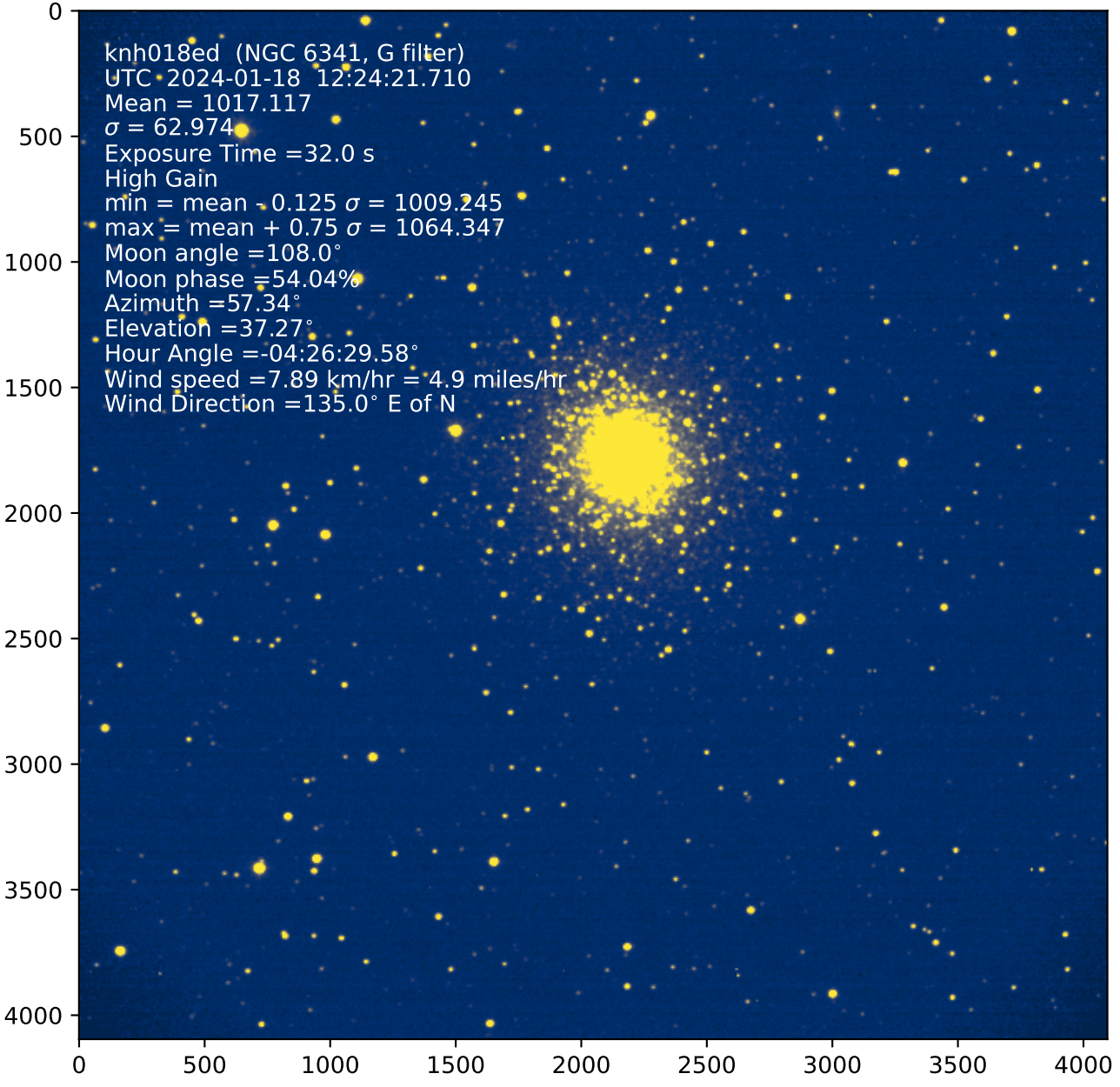

knh018f2 (NGC 6341, G filter)
UTC 2024-01-18 12:20:27.710
Mean = 1017.411
σ = 61.353
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.742
max = mean + 0.75 σ = 1063.425
Moon angle =107.98°
Moon phase =54.01%
Azimuth =57.18°
Elevation =36.61°
Hour Angle =-04:30:12.19°
Wind speed =2.25 km/hr = 1.4 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

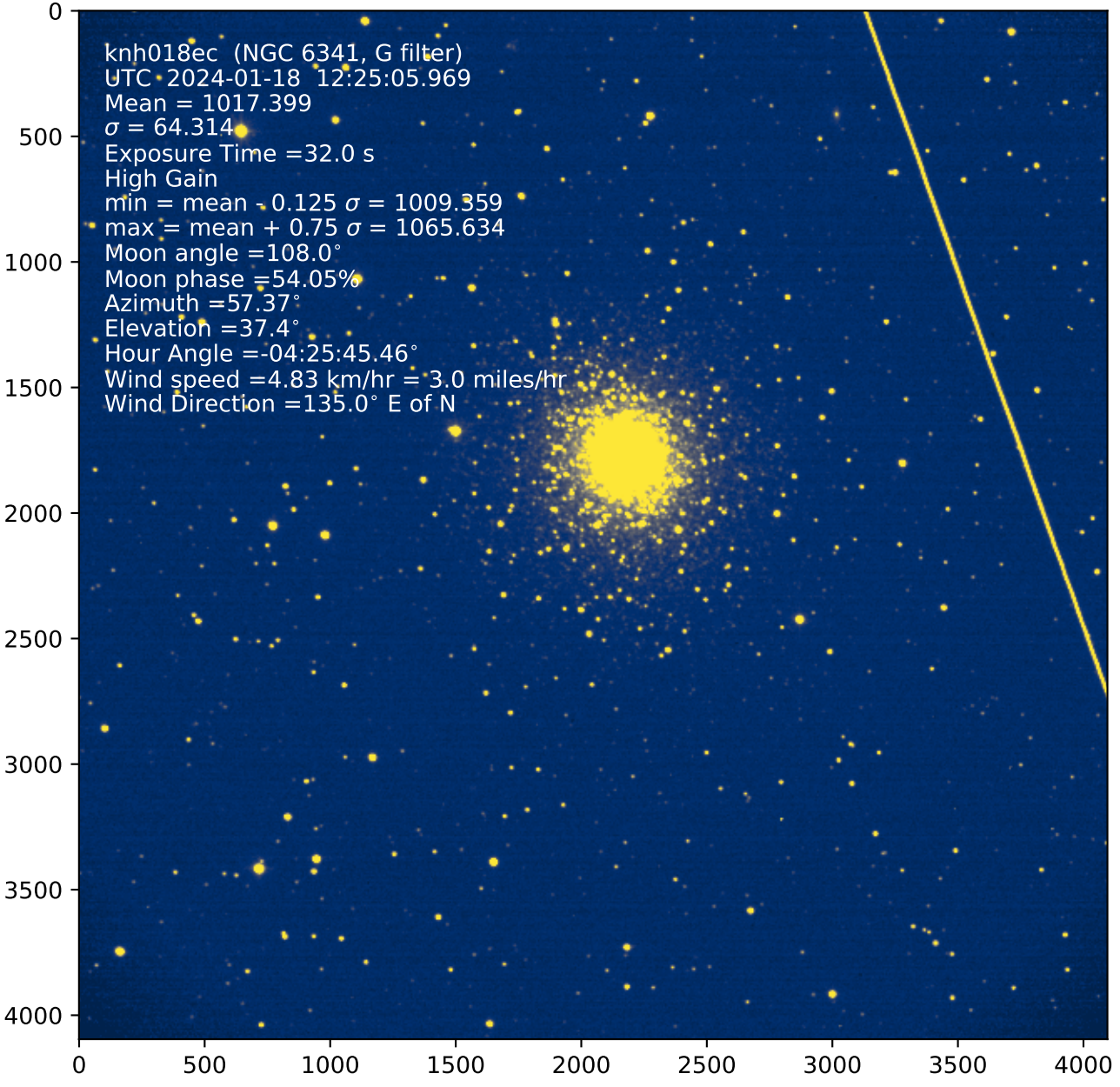

knh018f1 (NGC 6341, G filter)
UTC 2024-01-18 12:21:24.420
Mean = 1017.469
σ = 62.993
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.595
max = mean + 0.75 σ = 1064.714
Moon angle =107.98°
Moon phase =54.02%
Azimuth =57.21°
Elevation =36.74°
Hour Angle =-04:29:27.07°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

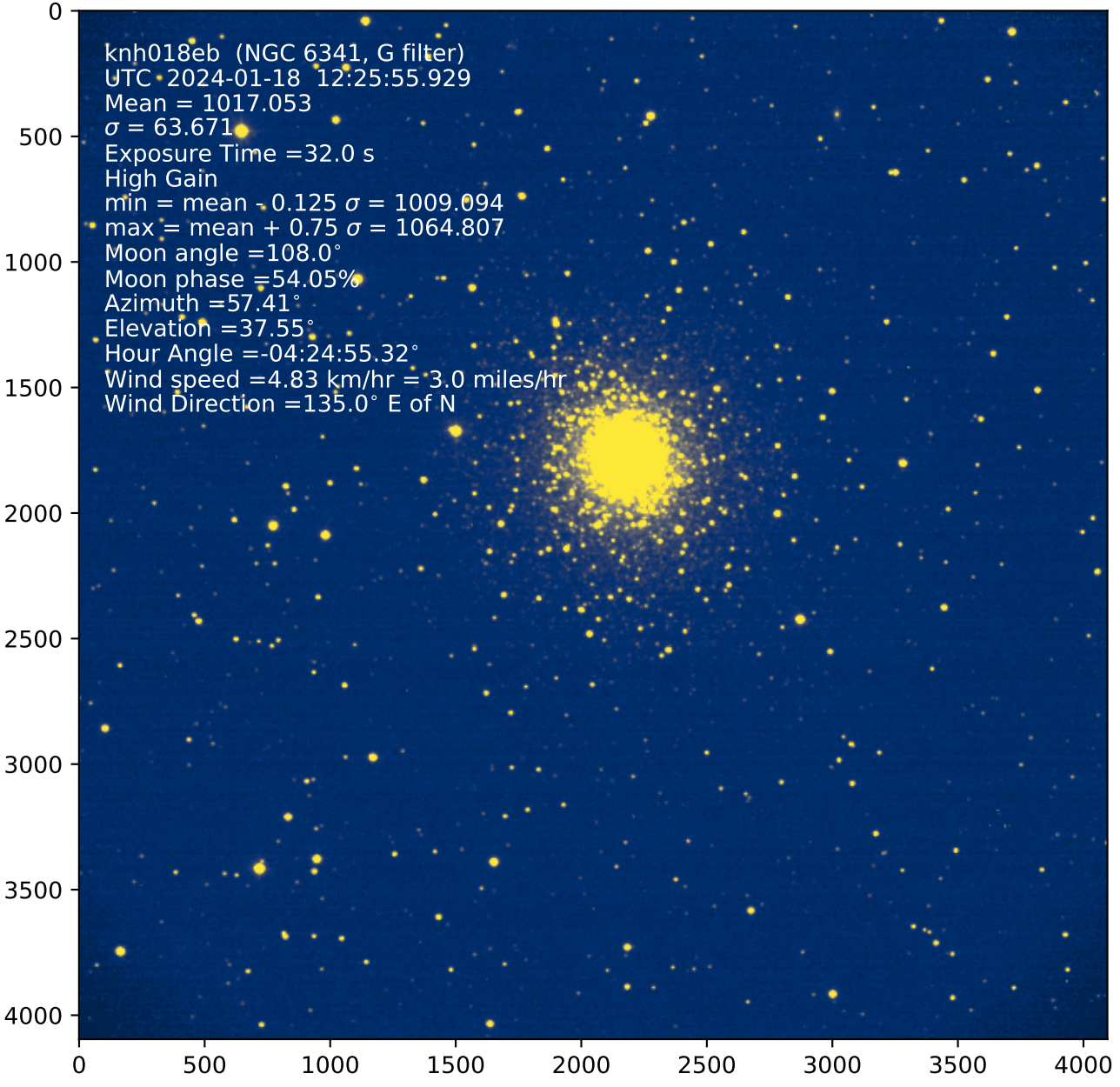

knh018f0 (NGC 6341, G filter)
UTC 2024-01-18 12:22:08.369
Mean = 1017.325
σ = 63.161
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.43
max = mean + 0.75 σ = 1064.696
Moon angle =107.99°
Moon phase =54.02%
Azimuth =57.24°
Elevation =36.87°
Hour Angle =-04:28:42.94°
Wind speed =3.06 km/hr = 1.9 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

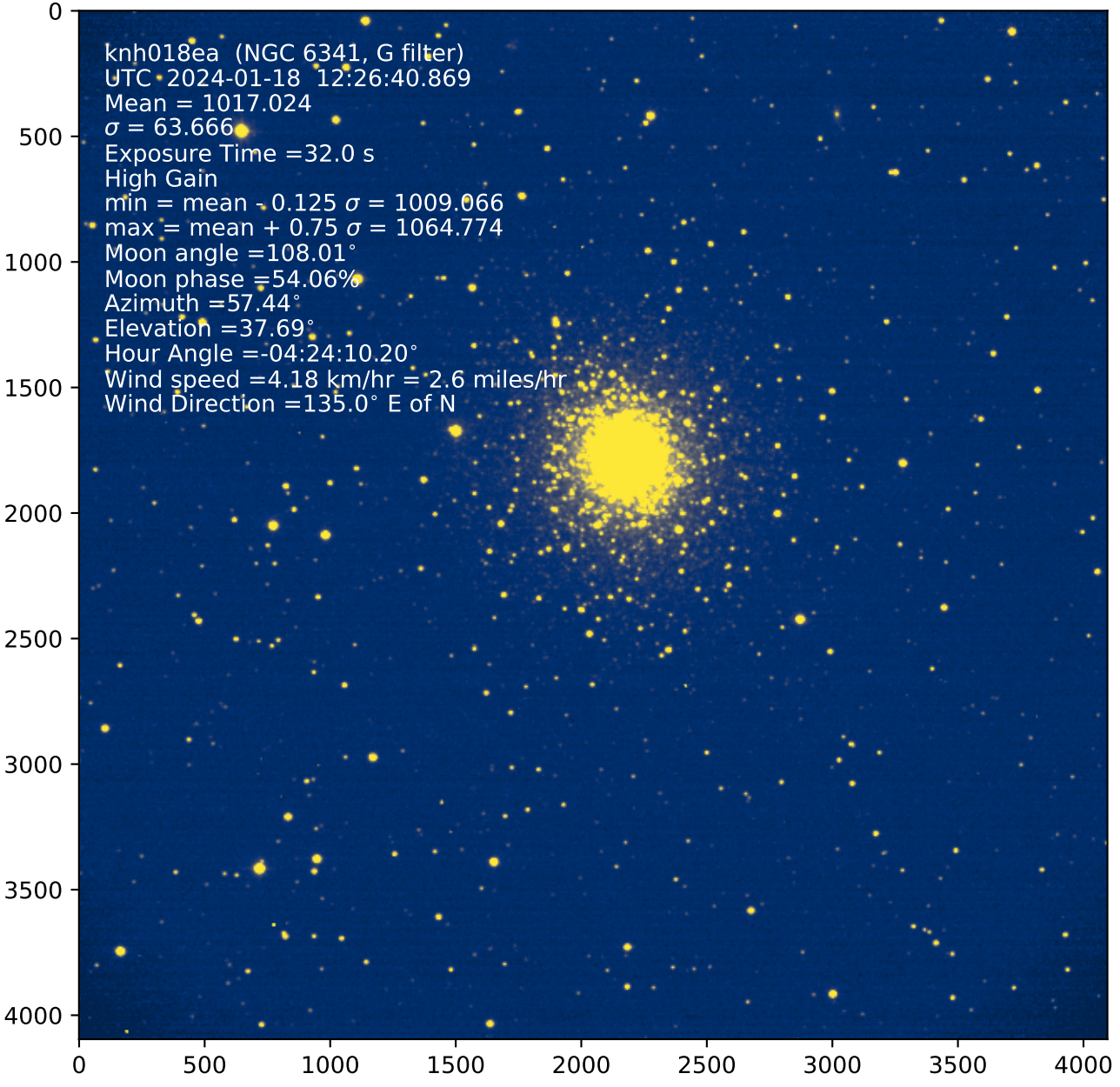

knh018ef (NGC 6341, G filter)
UTC 2024-01-18 12:22:53.030
Mean = 1017.204
σ = 62.516
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.39
max = mean + 0.75 σ = 1064.091
Moon angle =107.99°
Moon phase =54.03%
Azimuth =57.28°
Elevation =37.0°
Hour Angle =-04:27:58.82°
Wind speed =3.7 km/hr = 2.3 miles/hr
Wind Direction =112.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

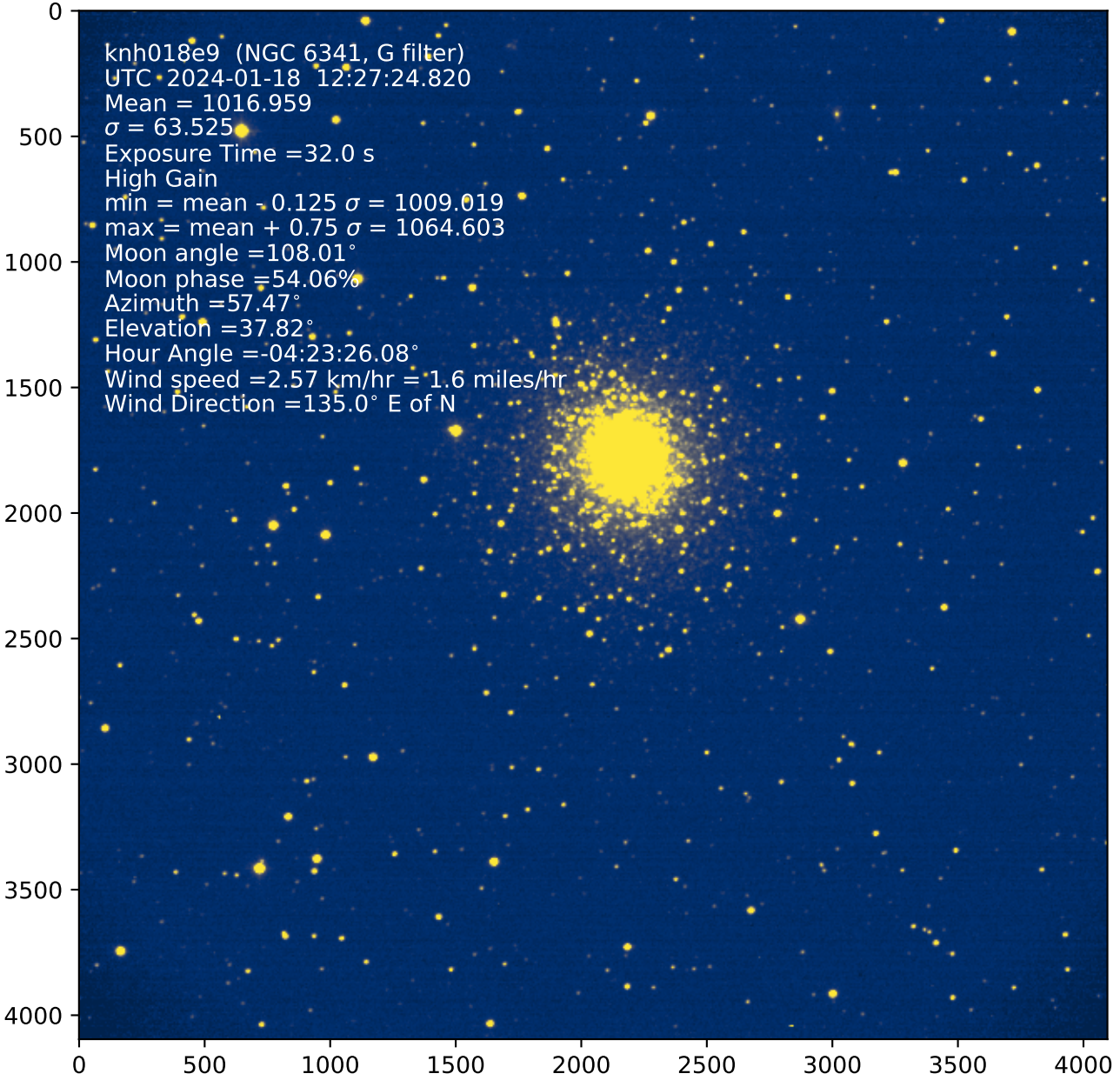

knh018ee (NGC 6341, G filter)
UTC 2024-01-18 12:23:37.619
Mean = 1017.113
σ = 63.253
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.206
max = mean + 0.75 σ = 1064.553
Moon angle =107.99°
Moon phase =54.04%
Azimuth =57.31°
Elevation =37.14°
Hour Angle =-04:27:13.70°
Wind speed =7.08 km/hr = 4.4 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

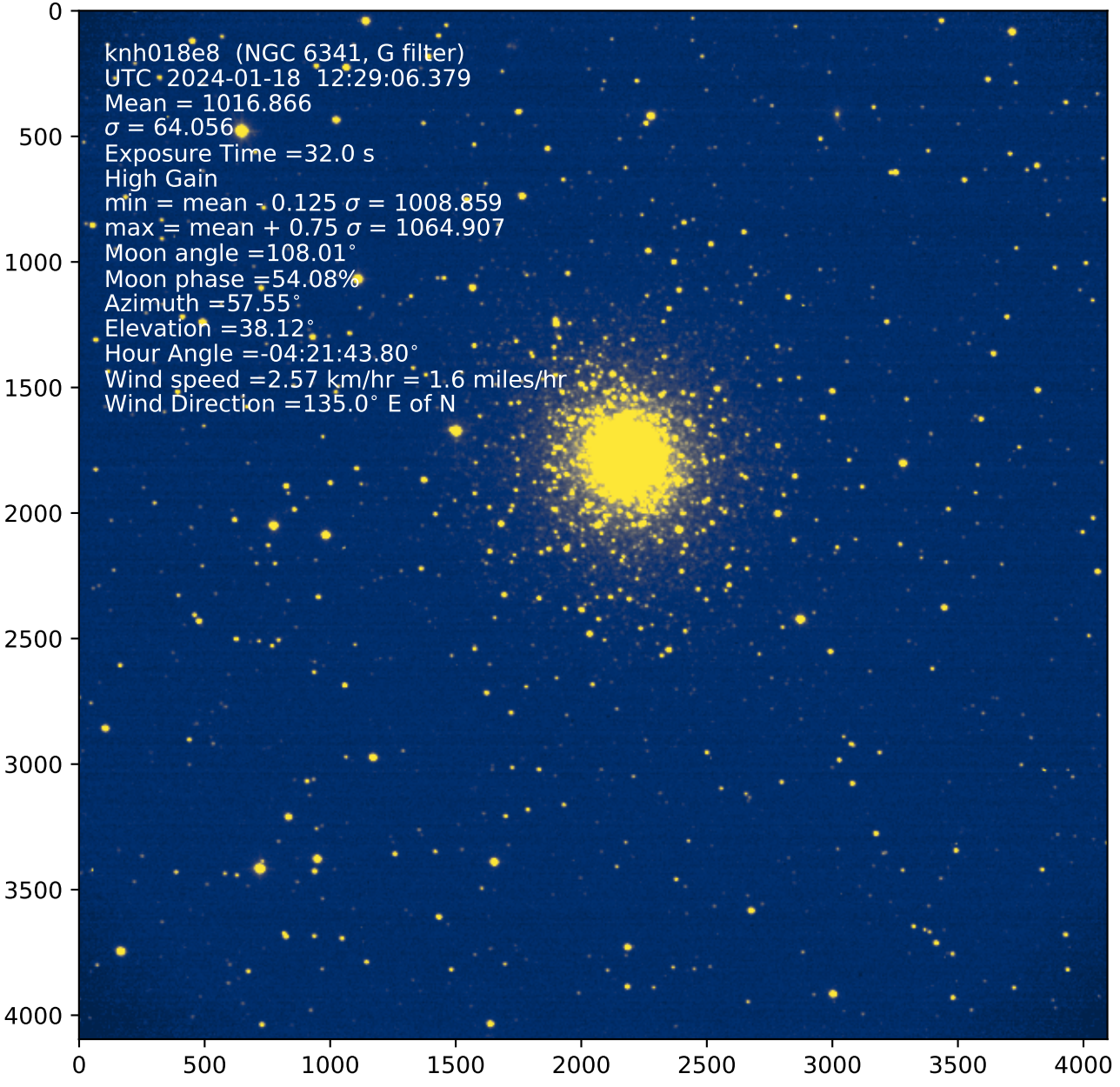

knh018ed (NGC 6341, G filter)
UTC 2024-01-18 12:24:21.710
Mean = 1017.117
σ = 62.974
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.245
max = mean + 0.75 σ = 1064.347
Moon angle =108.0°
Moon phase =54.04%
Azimuth =57.34°
Elevation =37.27°
Hour Angle =-04:26:29.58°
Wind speed =7.89 km/hr = 4.9 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

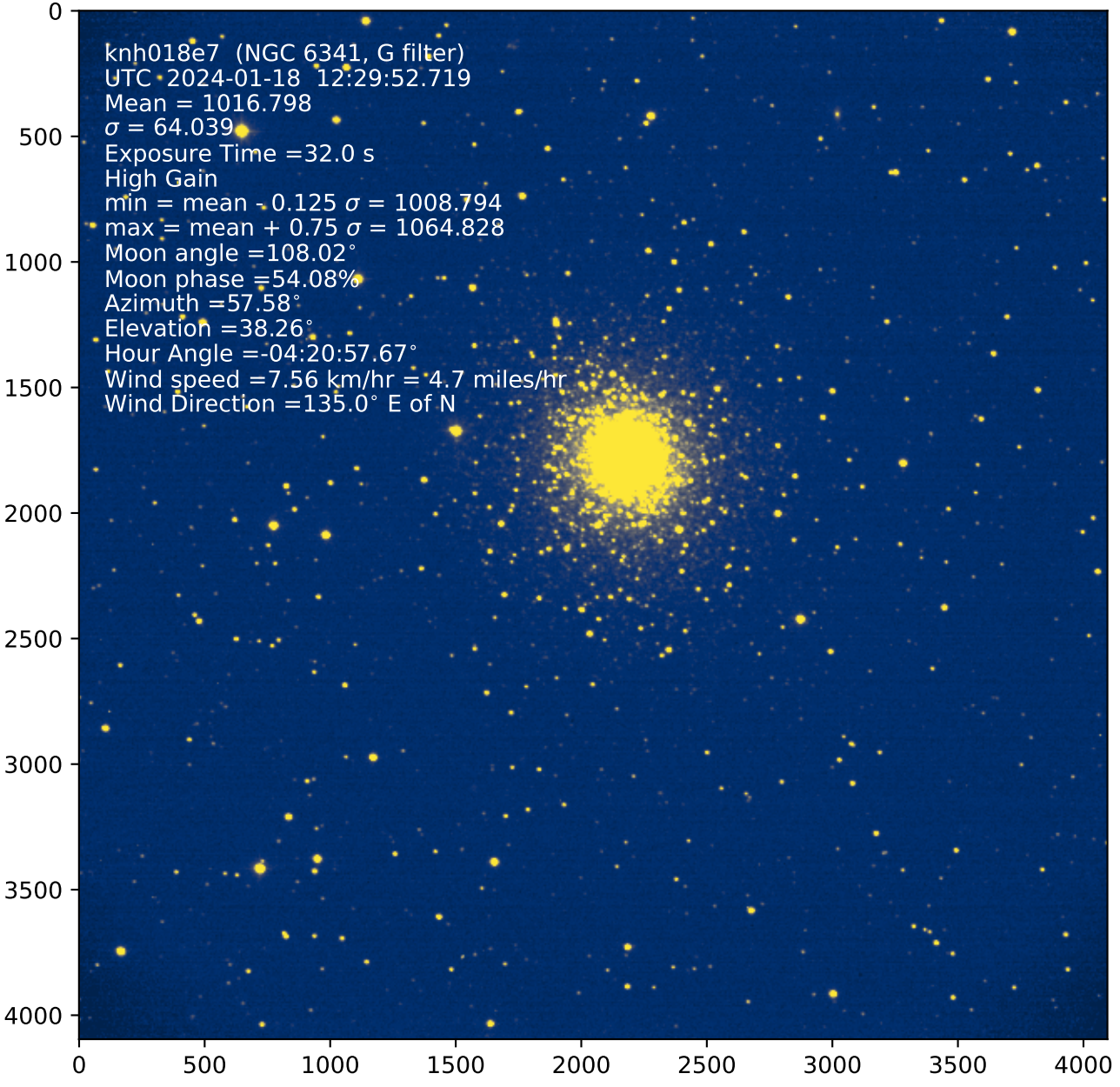

knh018ec (NGC 6341, G filter)
UTC 2024-01-18 12:25:05.969
Mean = 1017.399
σ = 64.314
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.359
max = mean + 0.75 σ = 1065.634
Moon angle =108.0°
Moon phase =54.05%
Azimuth =57.37°
Elevation =37.4°
Hour Angle =-04:25:45.46°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

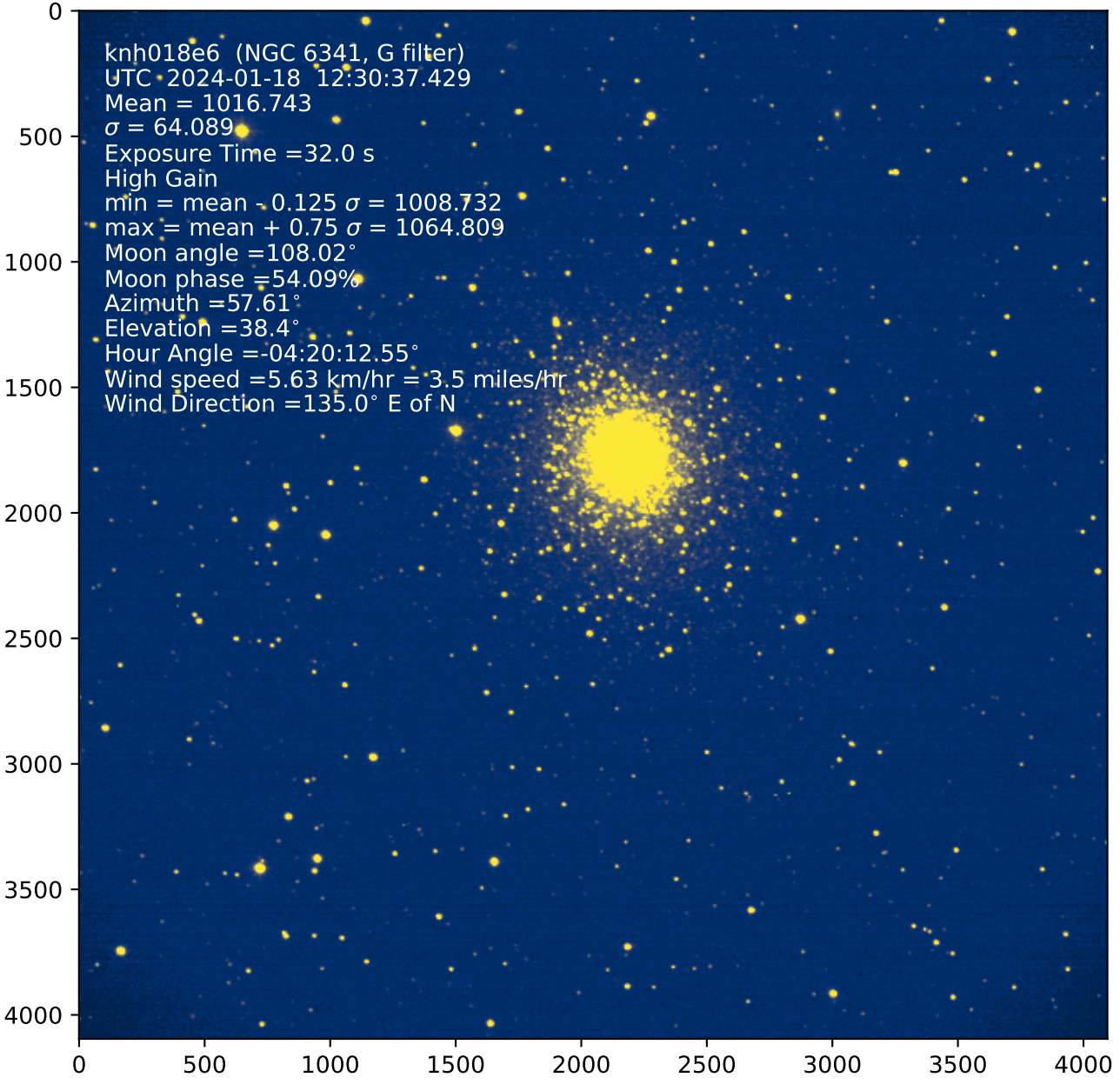

knh018eb (NGC 6341, G filter)
UTC 2024-01-18 12:25:55.929
Mean = 1017.053
σ = 63.671
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.094
max = mean + 0.75 σ = 1064.807
Moon angle =108.0°
Moon phase =54.05%
Azimuth =57.41°
Elevation =37.55°
Hour Angle =-04:24:55.32°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

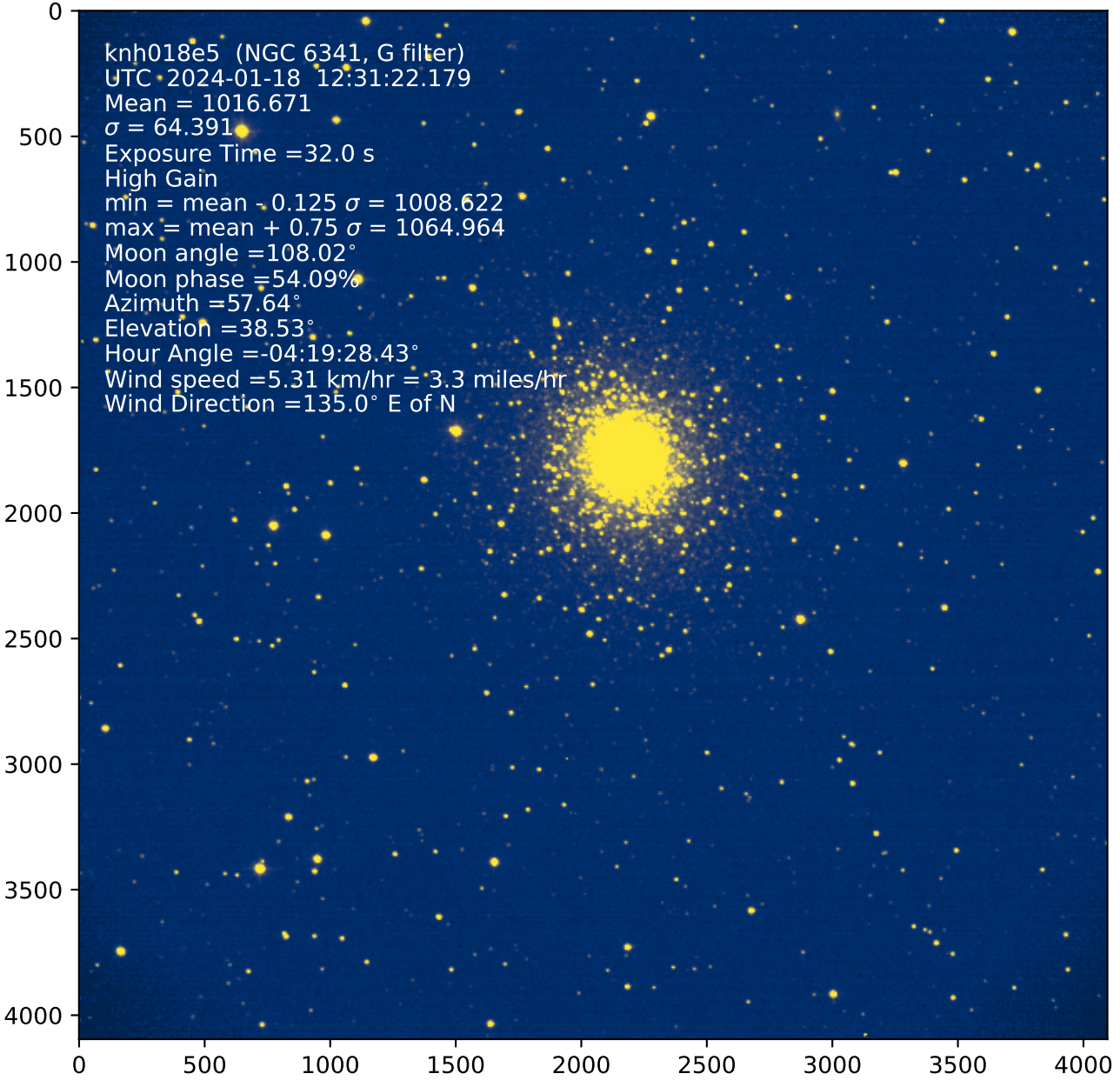

knh018ea (NGC 6341, G filter)
UTC 2024-01-18 12:26:40.869
Mean = 1017.024
σ = 63.666
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.066
max = mean + 0.75 σ = 1064.774
Moon angle =108.01°
Moon phase =54.06%
Azimuth =57.44°
Elevation =37.69°
Hour Angle =-04:24:10.20°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

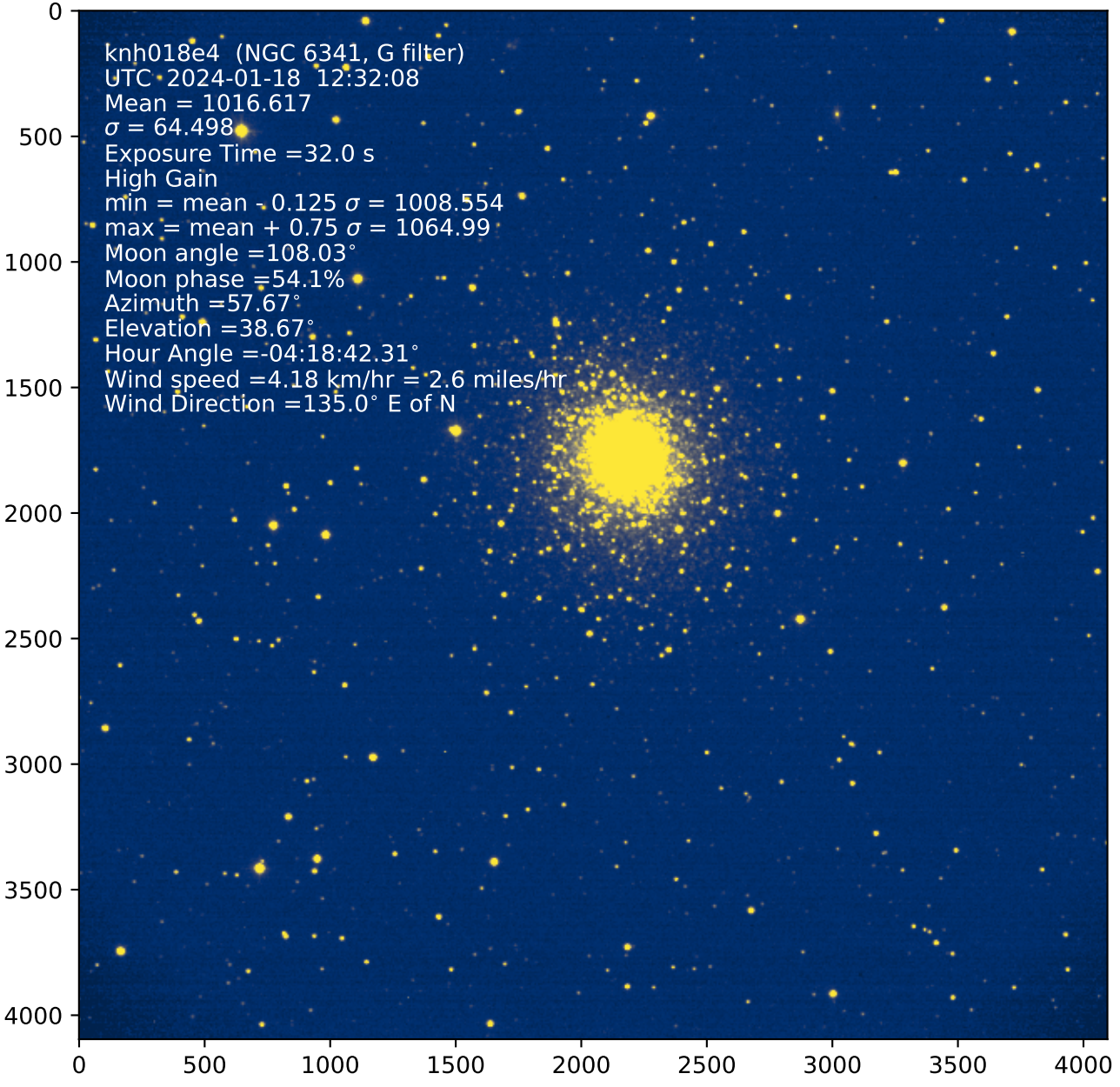

knh018e9 (NGC 6341, G filter)
UTC 2024-01-18 12:27:24.820
Mean = 1016.959
σ = 63.525
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1009.019
max = mean + 0.75 σ = 1064.603
Moon angle =108.01°
Moon phase =54.06%
Azimuth =57.47°
Elevation =37.82°
Hour Angle =-04:23:26.08°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

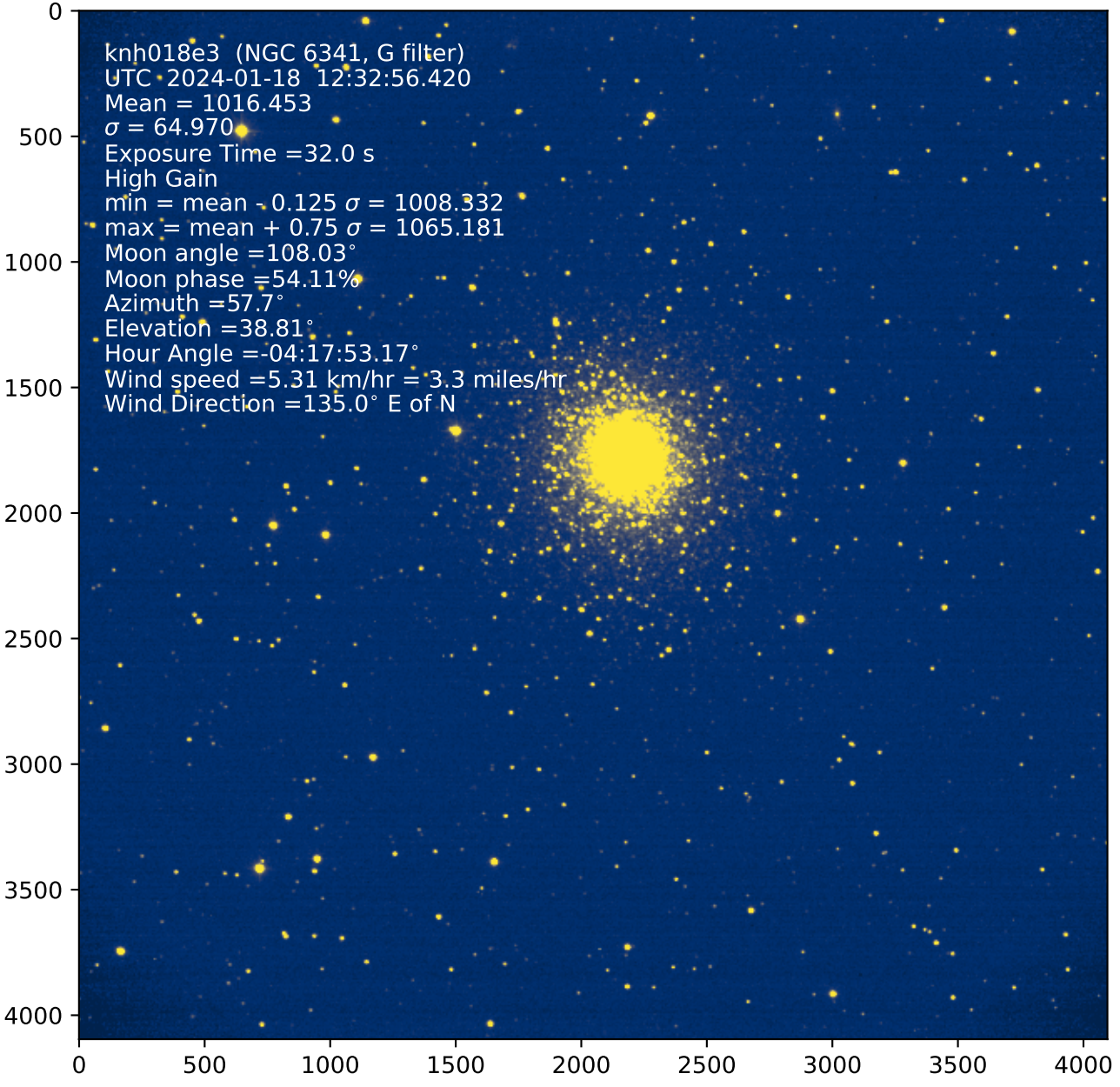

knh018e8 (NGC 6341, G filter)
UTC 2024-01-18 12:29:06.379
Mean = 1016.866
σ = 64.056
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.859
max = mean + 0.75 σ = 1064.907
Moon angle =108.01°
Moon phase =54.08%
Azimuth =57.55°
Elevation =38.12°
Hour Angle =-04:21:43.80°
Wind speed =2.57 km/hr = 1.6 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

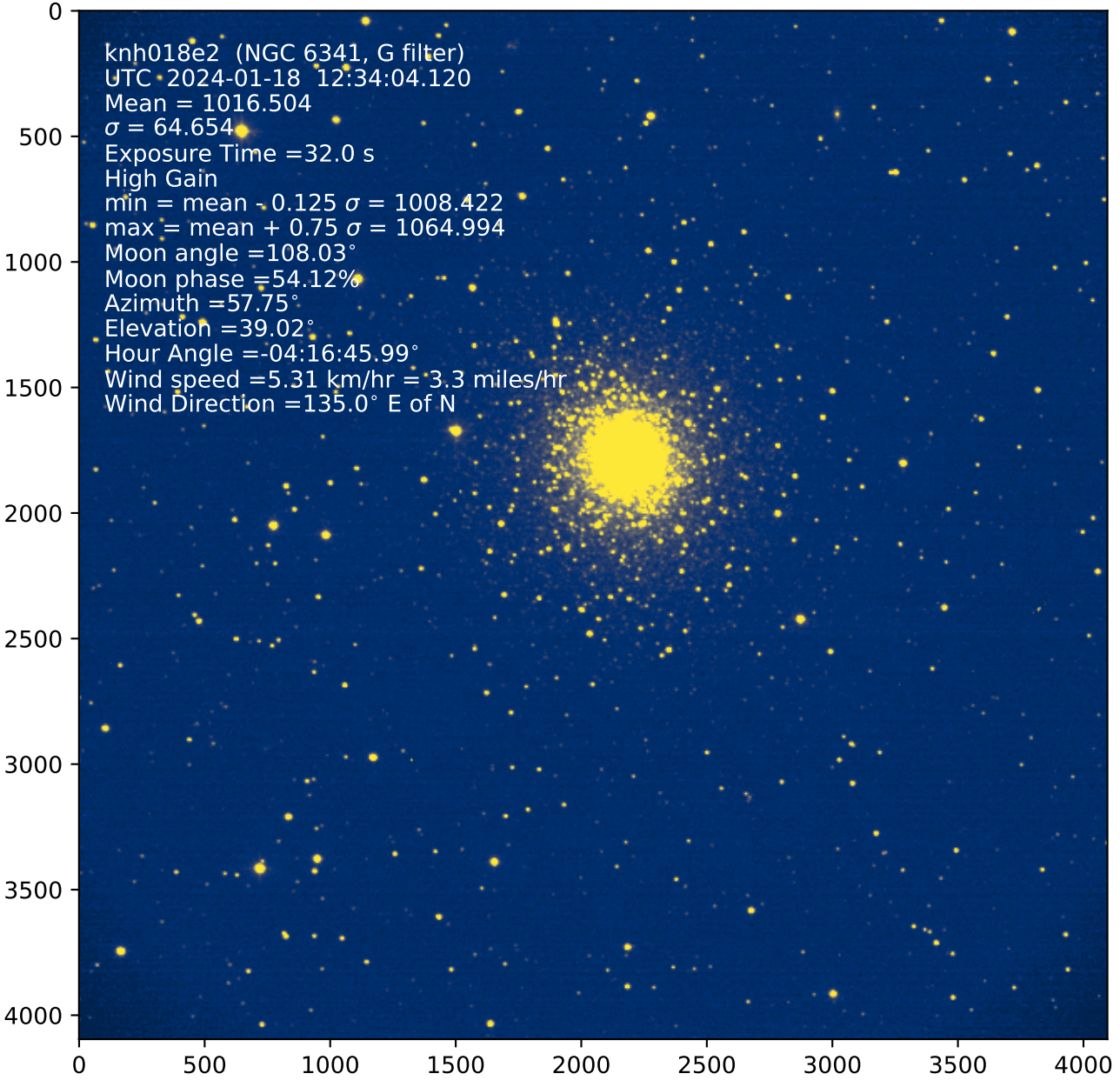

knh018e7 (NGC 6341, G filter)
UTC 2024-01-18 12:29:52.719
Mean = 1016.798
σ = 64.039
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.794
max = mean + 0.75 σ = 1064.828
Moon angle =108.02°
Moon phase =54.08%
Azimuth =57.58°
Elevation =38.26°
Hour Angle =-04:20:57.67°
Wind speed =7.56 km/hr = 4.7 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

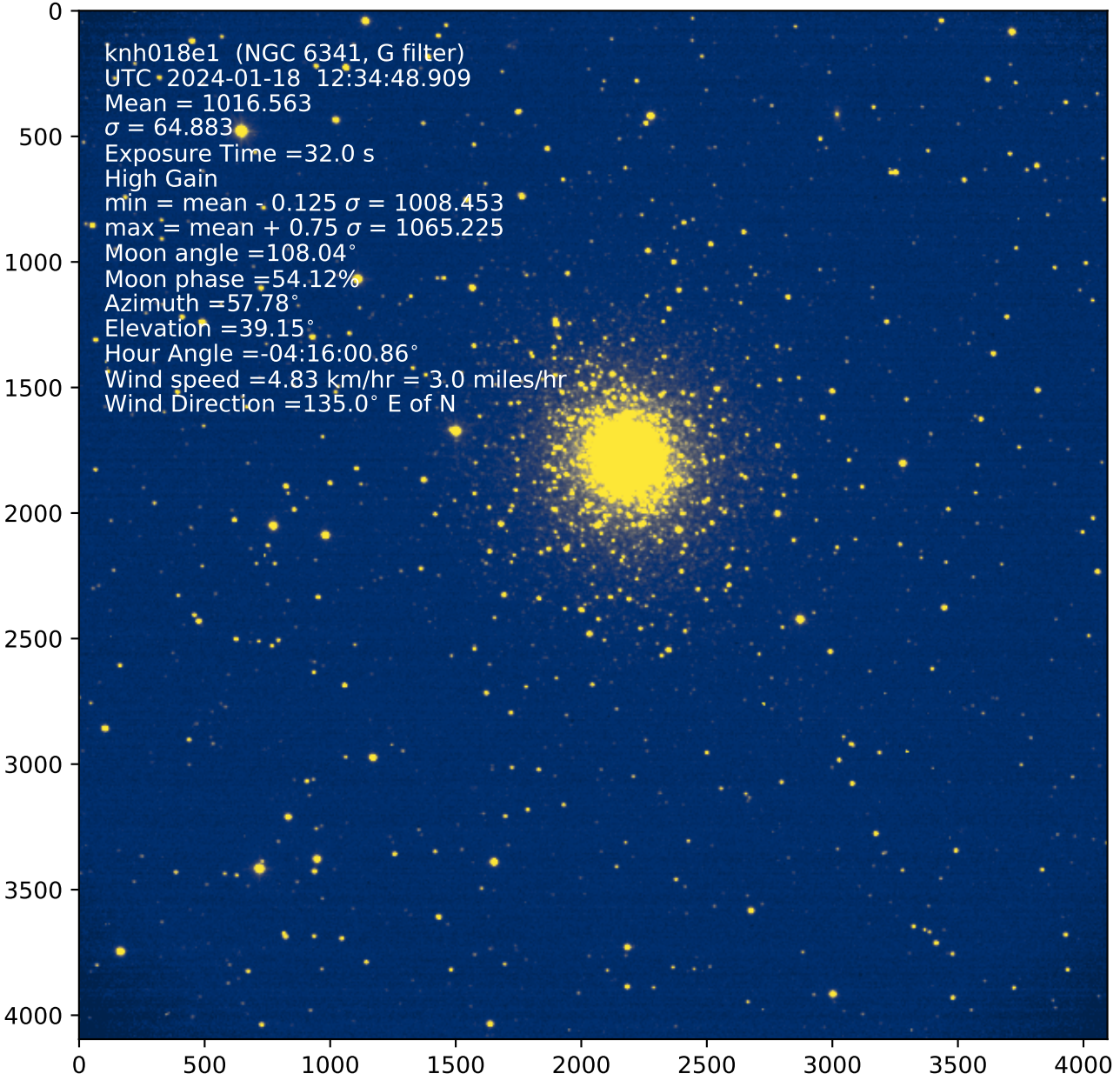

knh018e6 (NGC 6341, G filter)
UTC 2024-01-18 12:30:37.429
Mean = 1016.743
σ = 64.089
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.732
max = mean + 0.75 σ = 1064.809
Moon angle =108.02°
Moon phase =54.09%
Azimuth =57.61°
Elevation =38.4°
Hour Angle =-04:20:12.55°
Wind speed =5.63 km/hr = 3.5 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

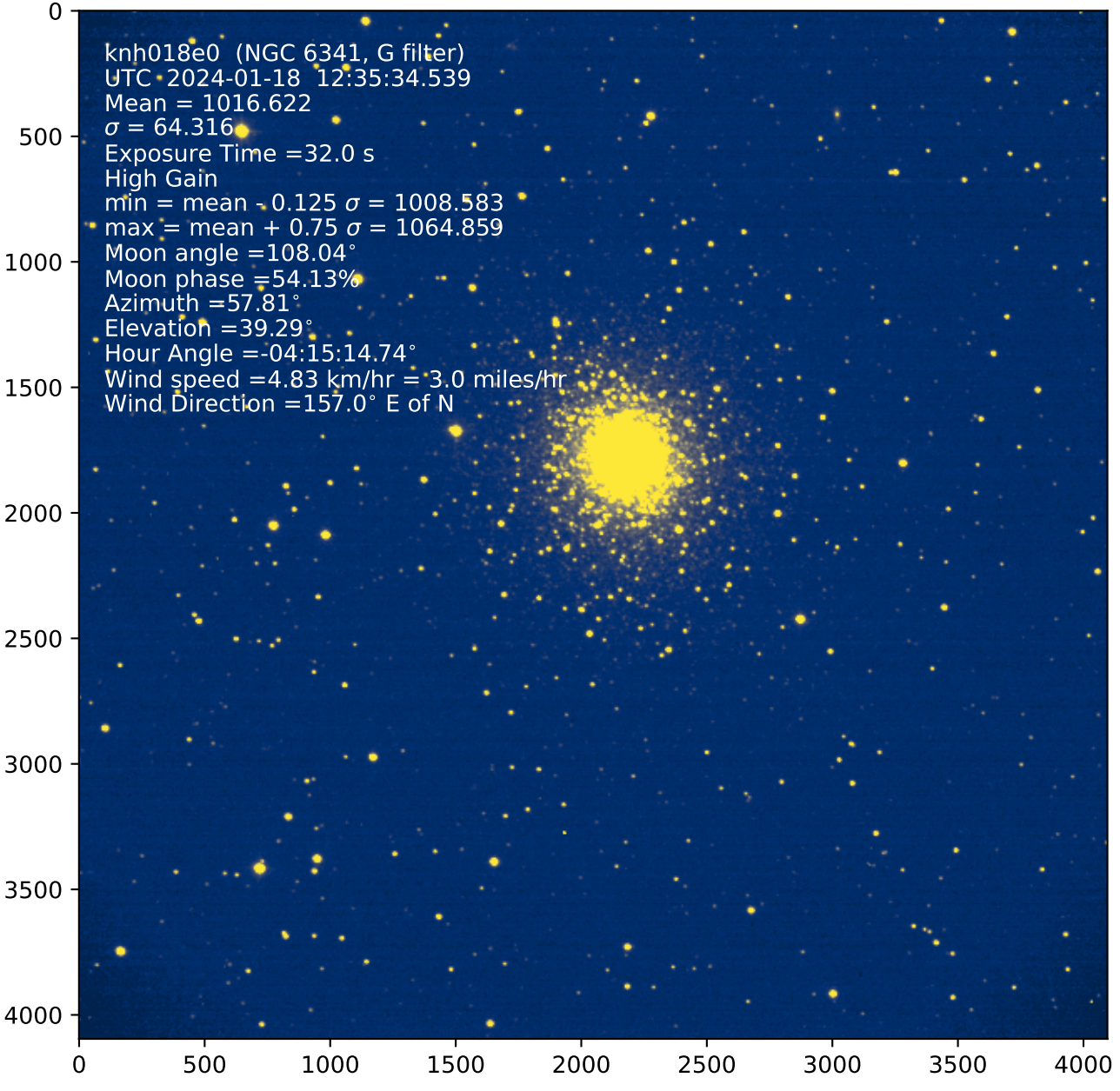

knh018e5 (NGC 6341, G filter)
UTC 2024-01-18 12:31:22.179
Mean = 1016.671
σ = 64.391
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.622
max = mean + 0.75 σ = 1064.964
Moon angle =108.02°
Moon phase =54.09%
Azimuth =57.64°
Elevation =38.53°
Hour Angle =-04:19:28.43°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

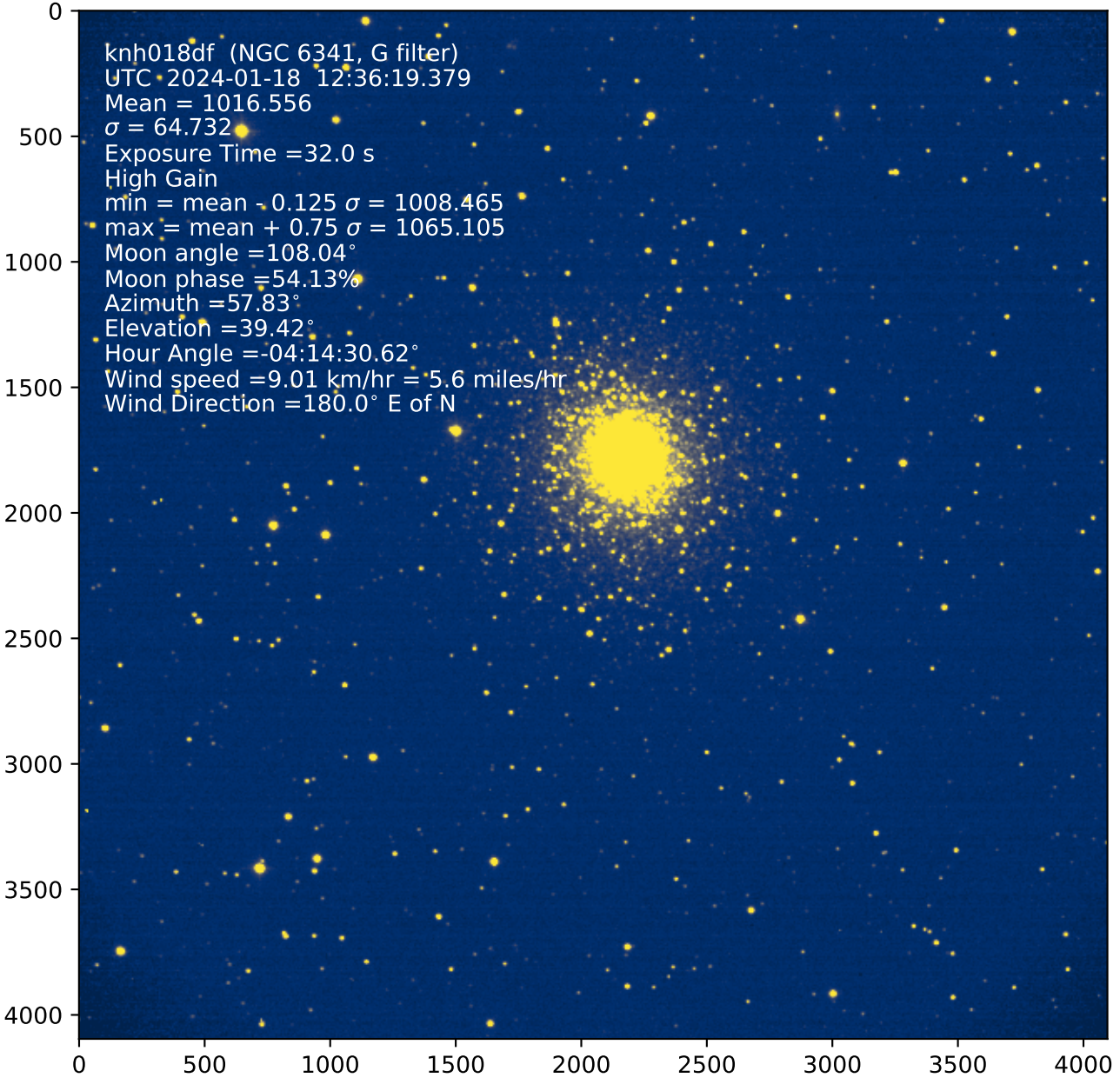

knh018e4 (NGC 6341, G filter)
UTC 2024-01-18 12:32:08
Mean = 1016.617
σ = 64.498
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.554
max = mean + 0.75 σ = 1064.99
Moon angle =108.03°
Moon phase =54.1%
Azimuth =57.67°
Elevation =38.67°
Hour Angle =-04:18:42.31°
Wind speed =4.18 km/hr = 2.6 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

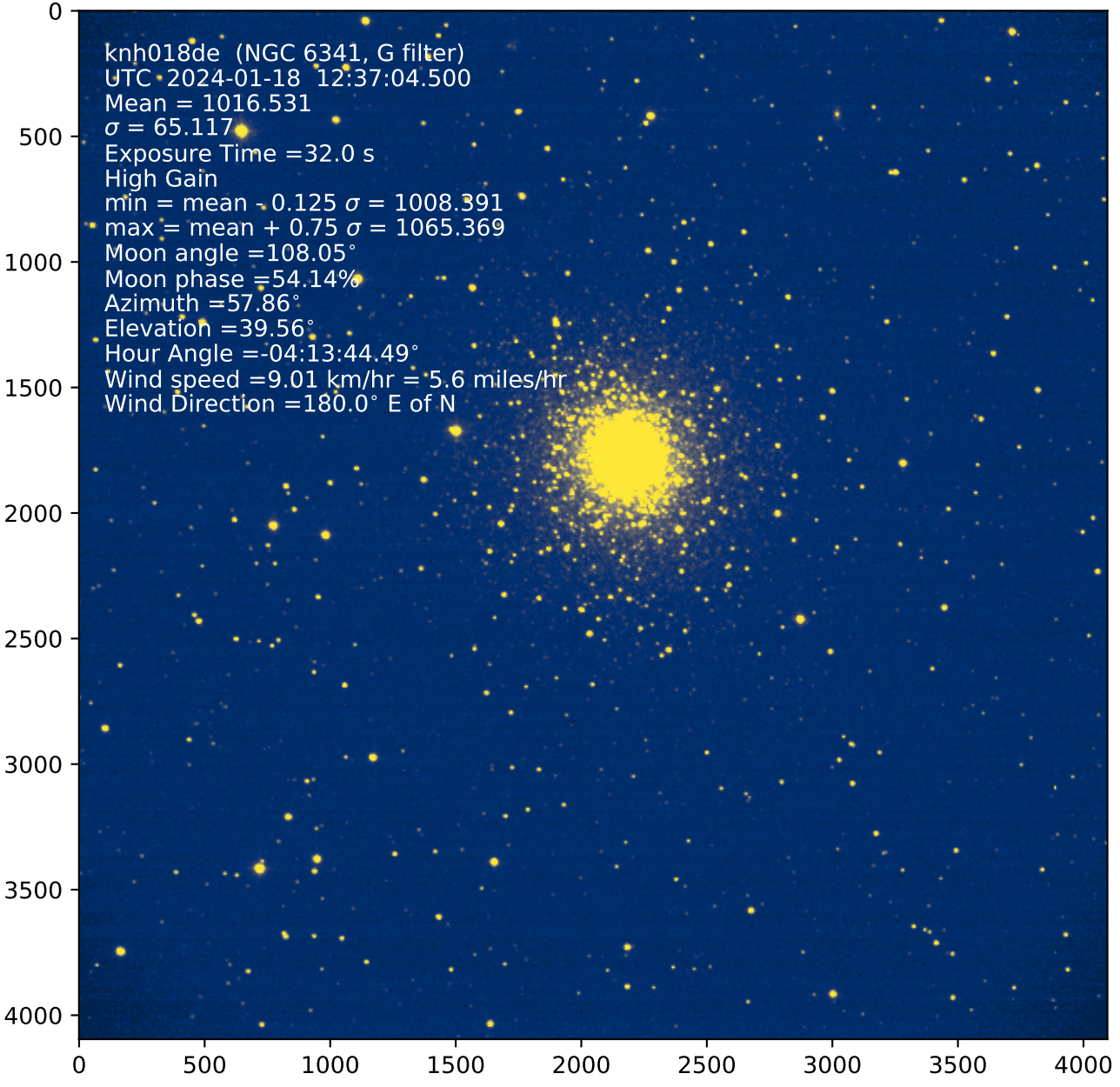

knh018e3 (NGC 6341, G filter)
UTC 2024-01-18 12:32:56.420
Mean = 1016.453
σ = 64.970
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.332
max = mean + 0.75 σ = 1065.181
Moon angle =108.03°
Moon phase =54.11%
Azimuth =57.7°
Elevation =38.81°
Hour Angle =-04:17:53.17°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

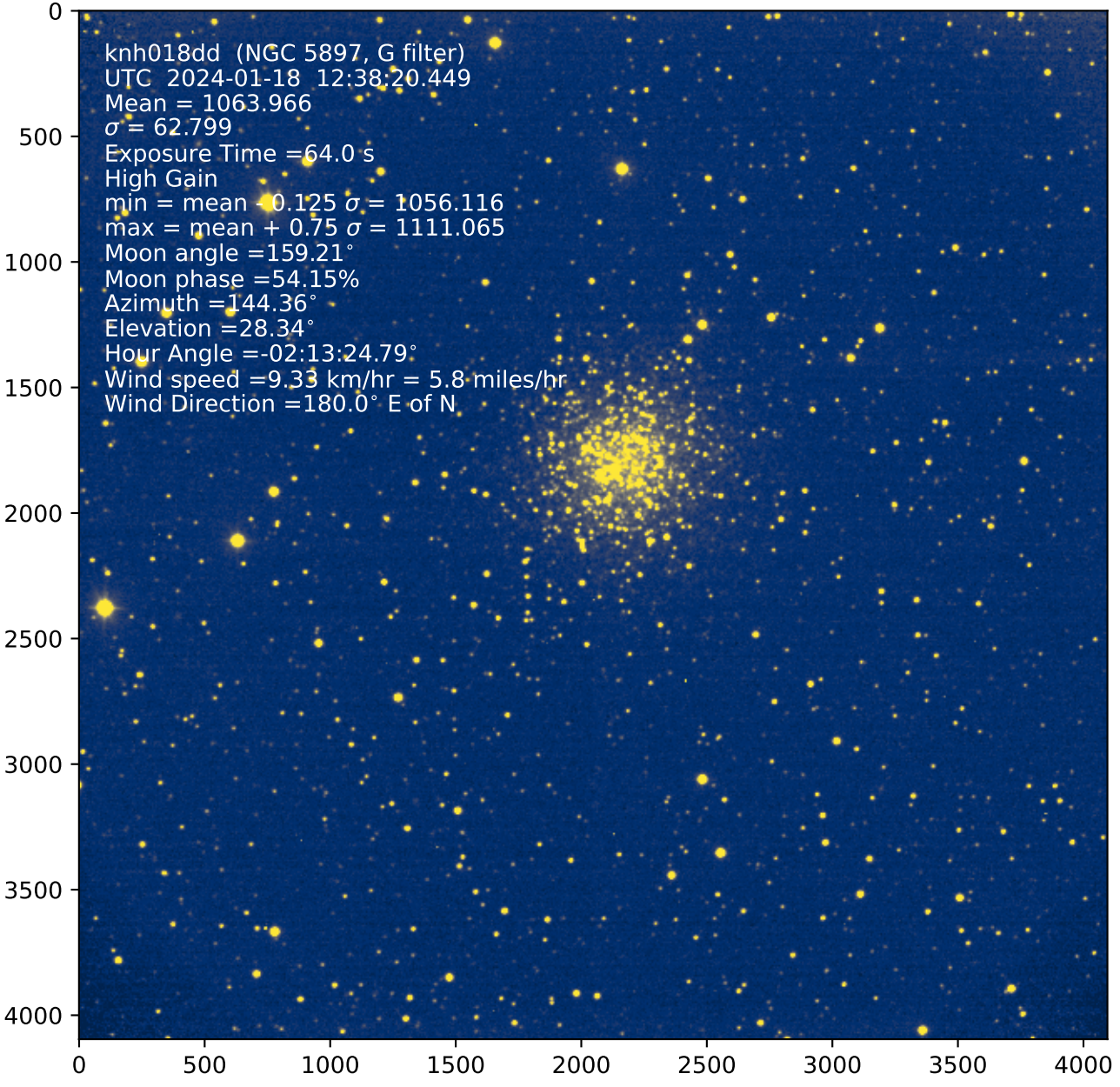

knh018e2 (NGC 6341, G filter)
UTC 2024-01-18 12:34:04.120
Mean = 1016.504
σ = 64.654
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.422
max = mean + 0.75 σ = 1064.994
Moon angle =108.03°
Moon phase =54.12%
Azimuth =57.75°
Elevation =39.02°
Hour Angle =-04:16:45.99°
Wind speed =5.31 km/hr = 3.3 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

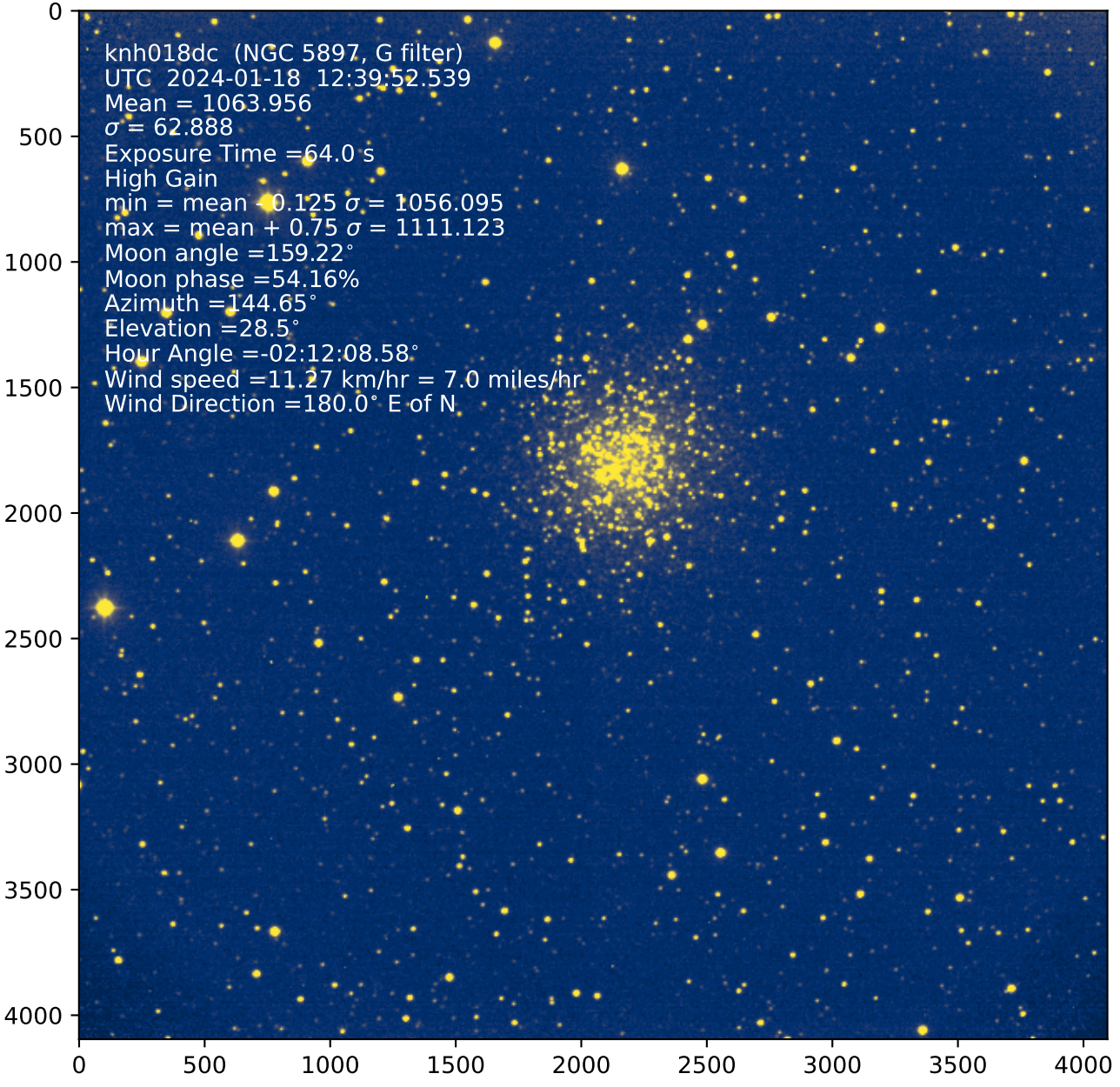

knh018e1 (NGC 6341, G filter)
UTC 2024-01-18 12:34:48.909
Mean = 1016.563
σ = 64.883
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.453
max = mean + 0.75 σ = 1065.225
Moon angle =108.04°
Moon phase =54.12%
Azimuth =57.78°
Elevation =39.15°
Hour Angle =-04:16:00.86°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =135.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

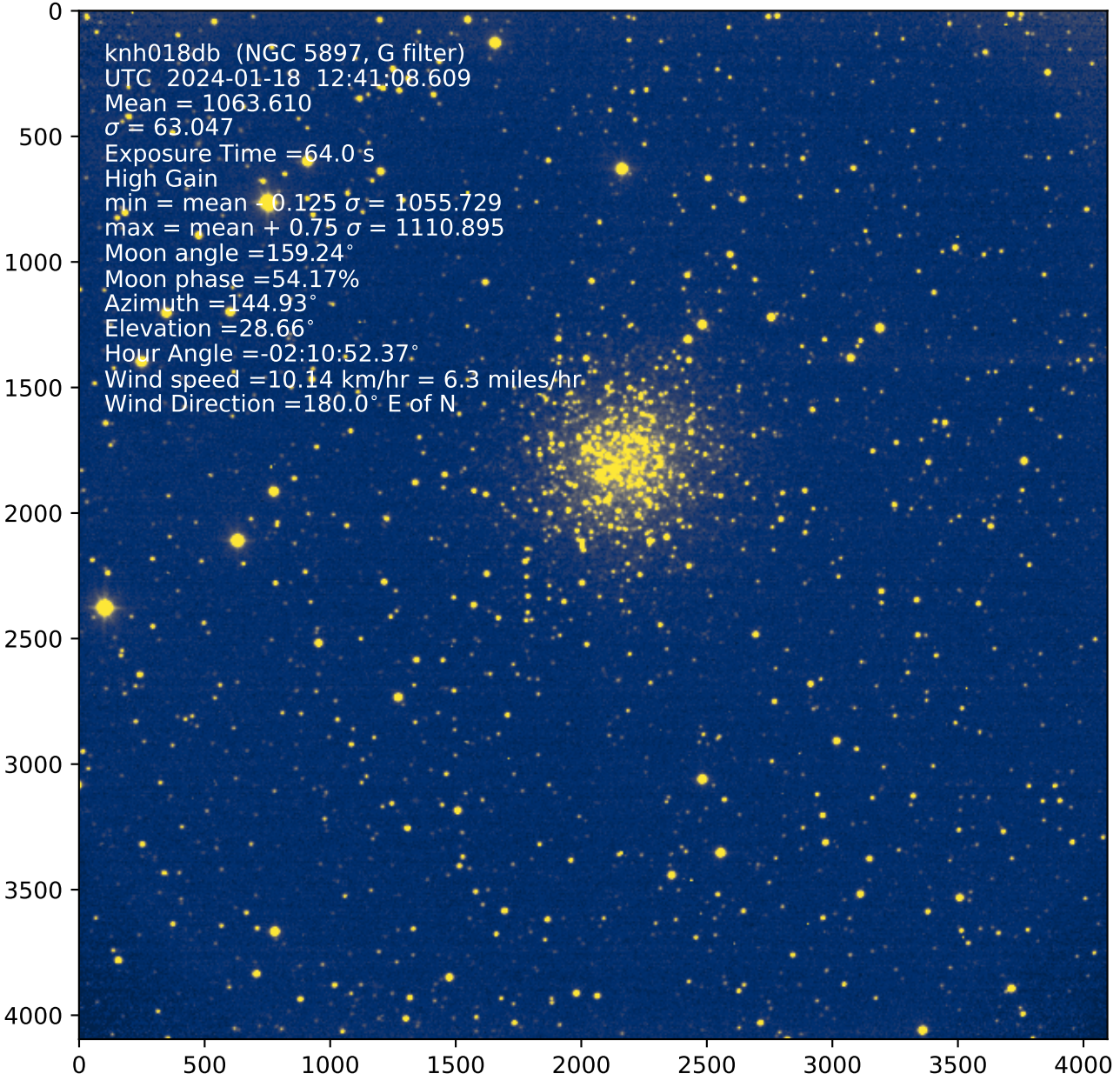

knh018e0 (NGC 6341, G filter)
UTC 2024-01-18 12:35:34.539
Mean = 1016.622
σ = 64.316
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.583
max = mean + 0.75 σ = 1064.859
Moon angle =108.04°
Moon phase =54.13%
Azimuth =57.81°
Elevation =39.29°
Hour Angle =-04:15:14.74°
Wind speed =4.83 km/hr = 3.0 miles/hr
Wind Direction =157.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

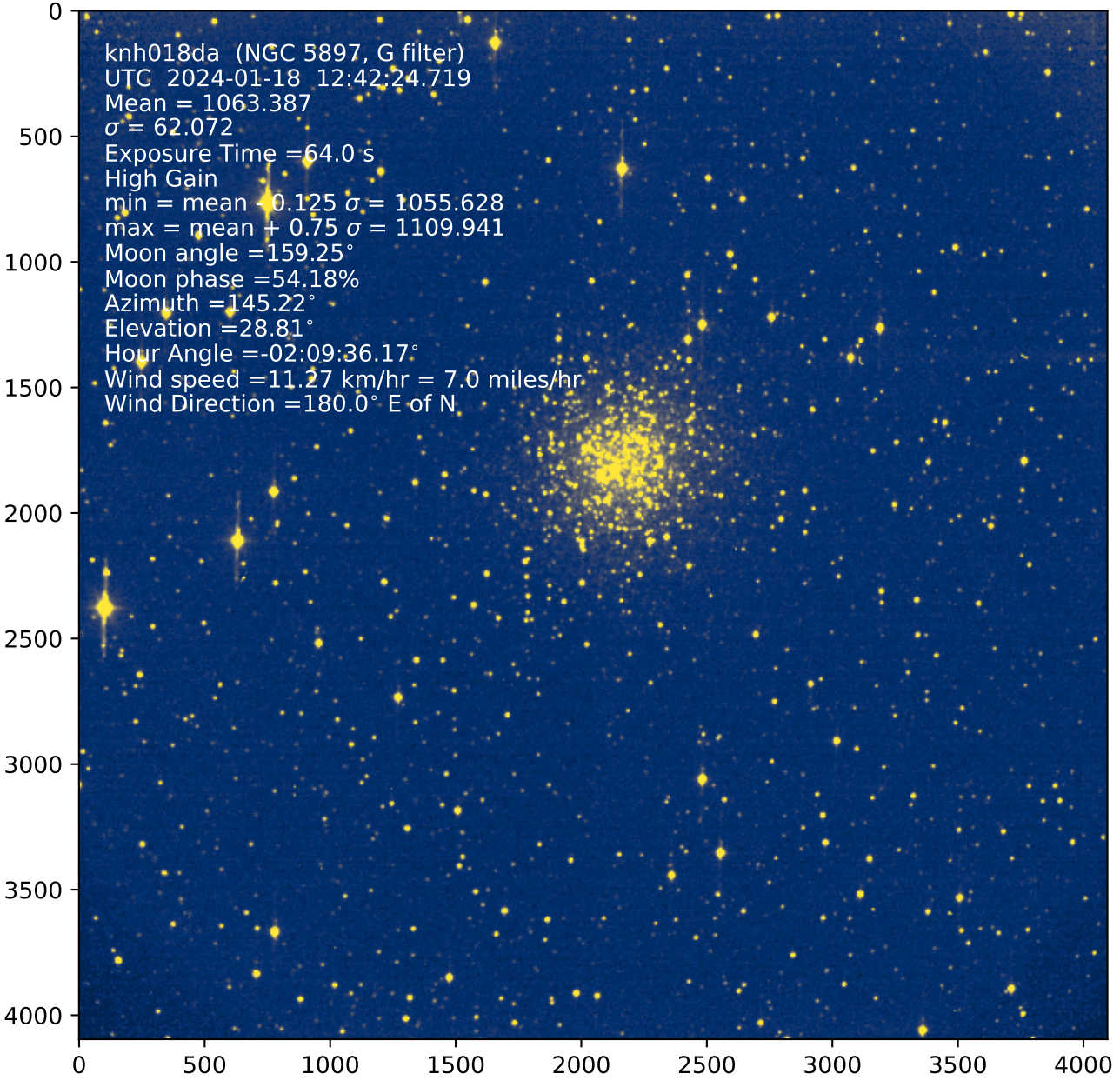

knh018df (NGC 6341, G filter)
UTC 2024-01-18 12:36:19.379
Mean = 1016.556
σ = 64.732
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.465
max = mean + 0.75 σ = 1065.105
Moon angle =108.04°
Moon phase =54.13%
Azimuth =57.83°
Elevation =39.42°
Hour Angle =-04:14:30.62°
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

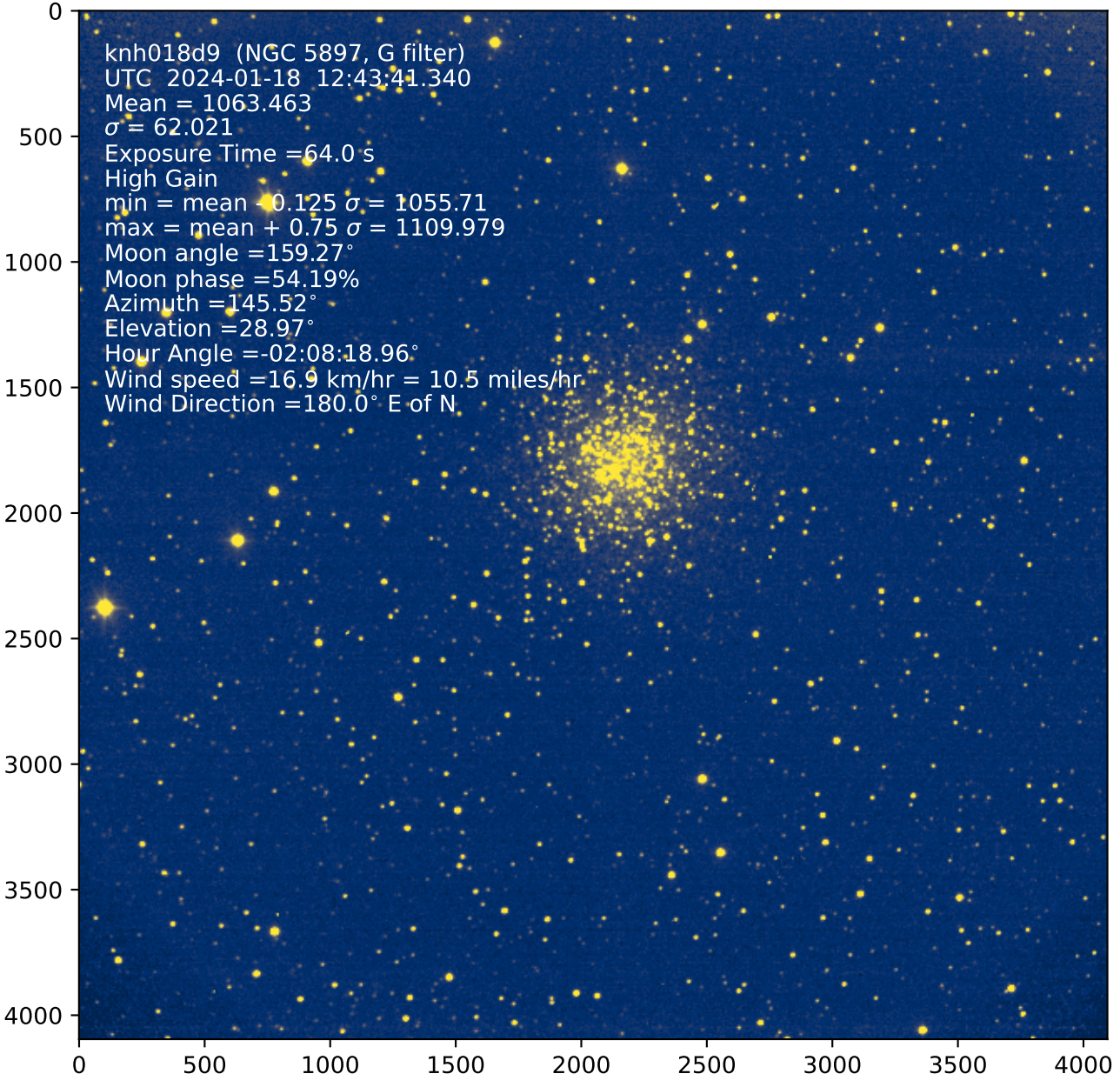

knh018de (NGC 6341, G filter)
UTC 2024-01-18 12:37:04.500
Mean = 1016.531
σ = 65.117
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1008.391
max = mean + 0.75 σ = 1065.369
Moon angle =108.05°
Moon phase =54.14%
Azimuth =57.86°
Elevation =39.56°
Hour Angle =-04:13:44.49°
Wind speed =9.01 km/hr = 5.6 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

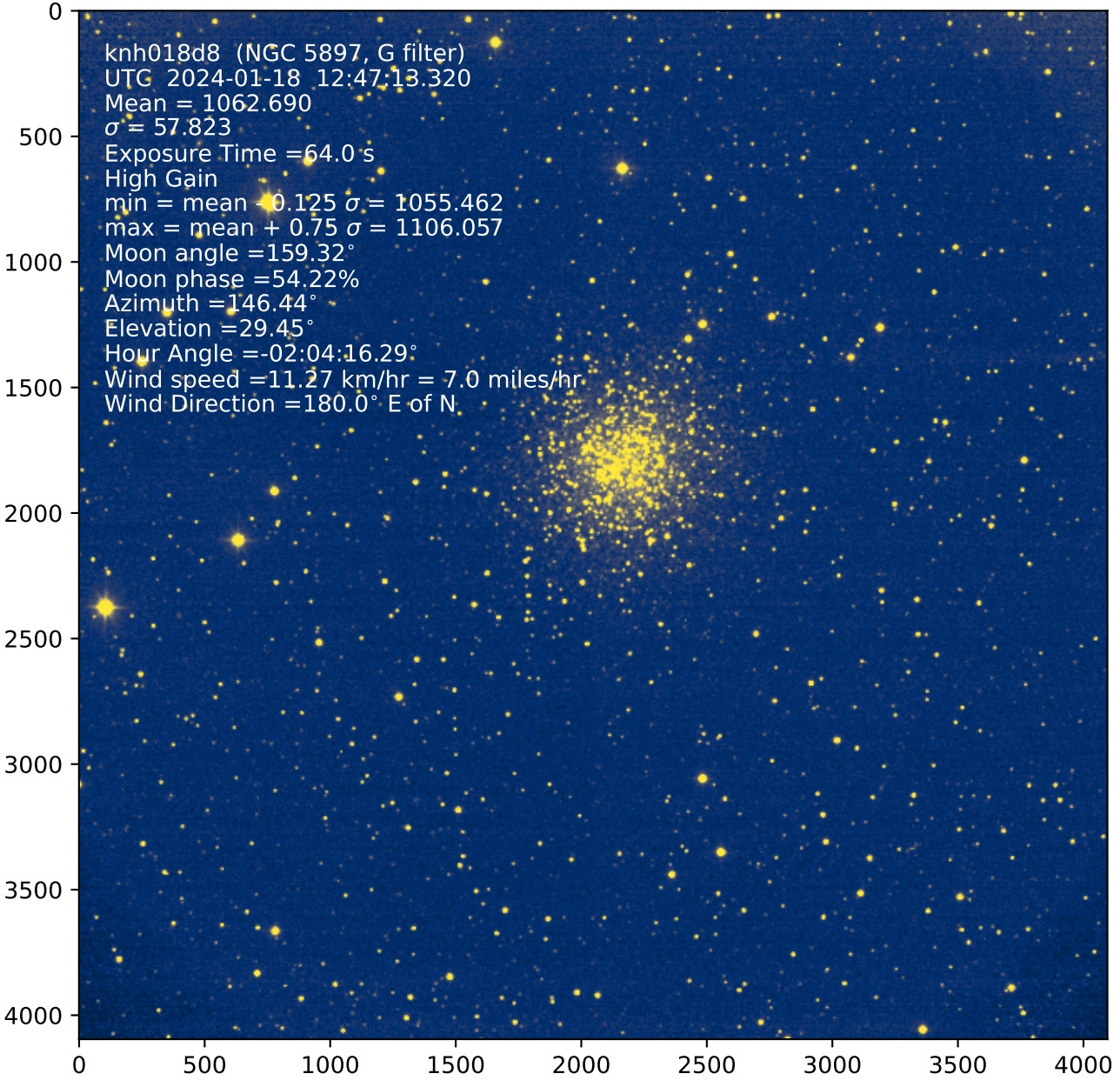

knh018dd (NGC 5897, G filter)
UTC 2024-01-18 12:38:20.449
Mean = 1063.966
σ = 62.799
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1056.116
max = mean + 0.75 σ = 1111.065
Moon angle =159.21°
Moon phase =54.15%
Azimuth =144.36°
Elevation =28.34°
Hour Angle =-02:13:24.79°
Wind speed =9.33 km/hr = 5.8 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

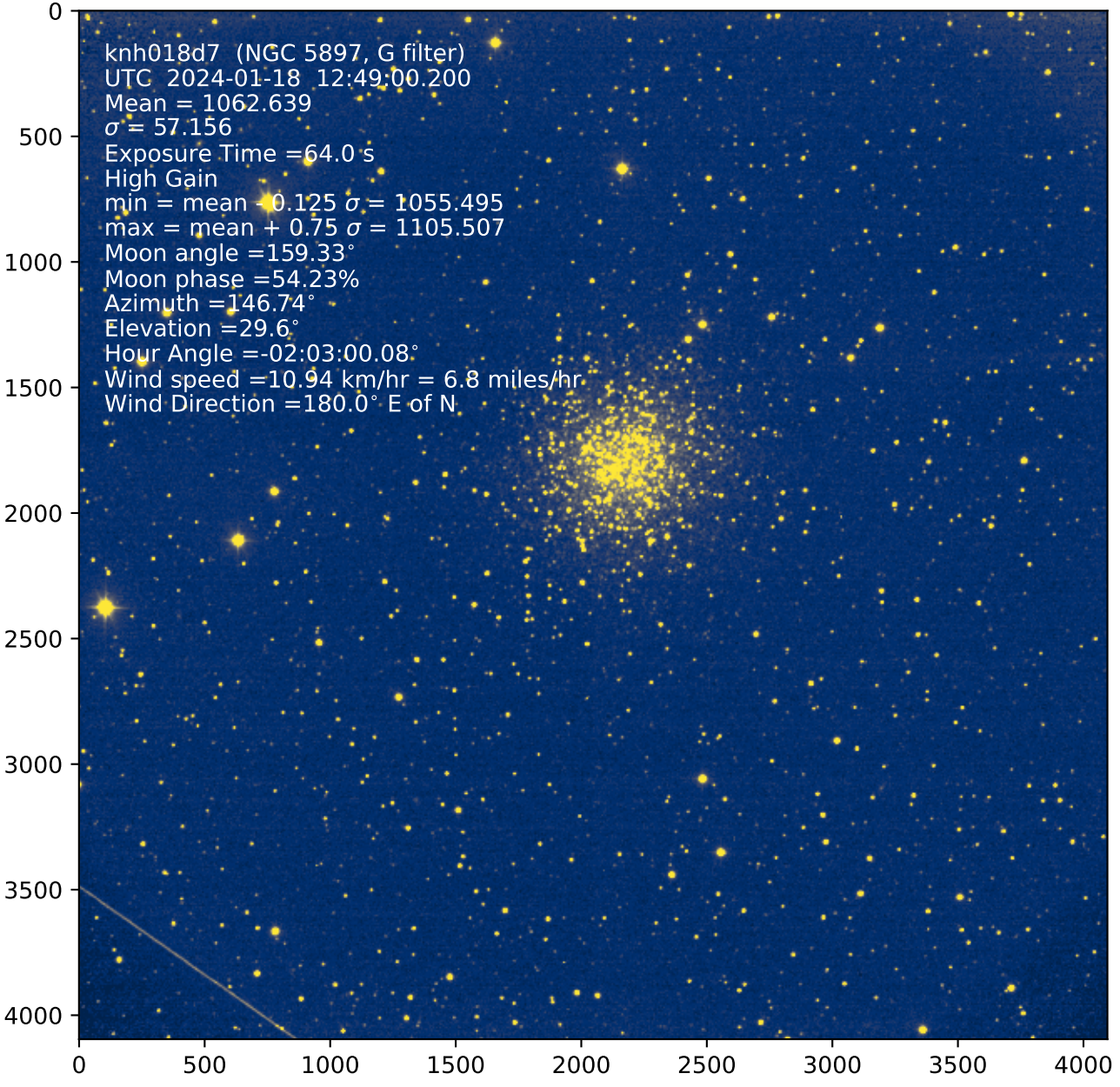

knh018dc (NGC 5897, G filter)
UTC 2024-01-18 12:39:52.539
Mean = 1063.956
σ = 62.888
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1056.095
max = mean + 0.75 σ = 1111.123
Moon angle =159.22°
Moon phase =54.16%
Azimuth =144.65°
Elevation =28.5°
Hour Angle =-02:12:08.58°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

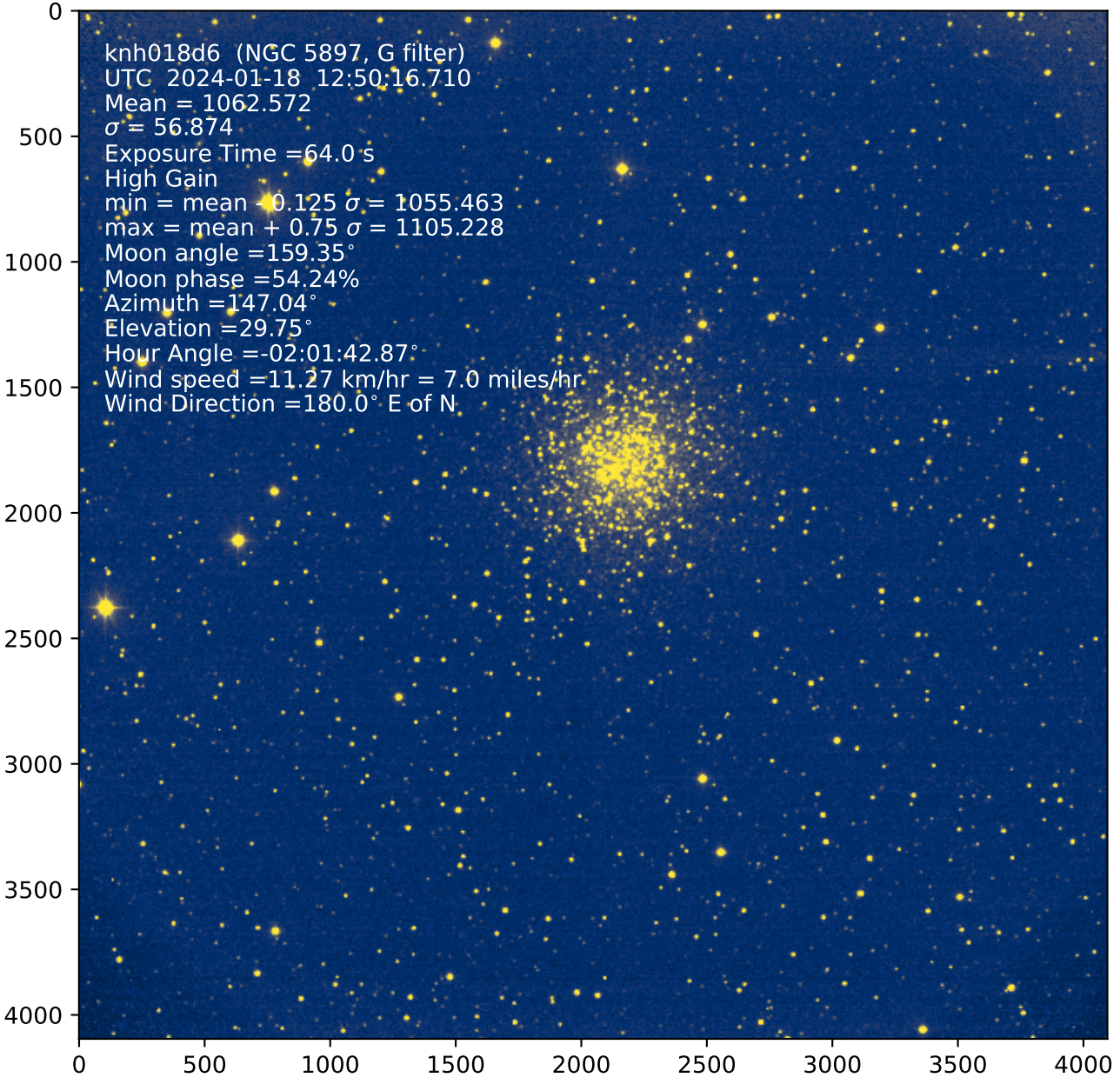

knh018db (NGC 5897, G filter)
UTC 2024-01-18 12:41:08.609
Mean = 1063.610
σ = 63.047
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.729
max = mean + 0.75 σ = 1110.895
Moon angle =159.24°
Moon phase =54.17%
Azimuth =144.93°
Elevation =28.66°
Hour Angle =-02:10:52.37°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

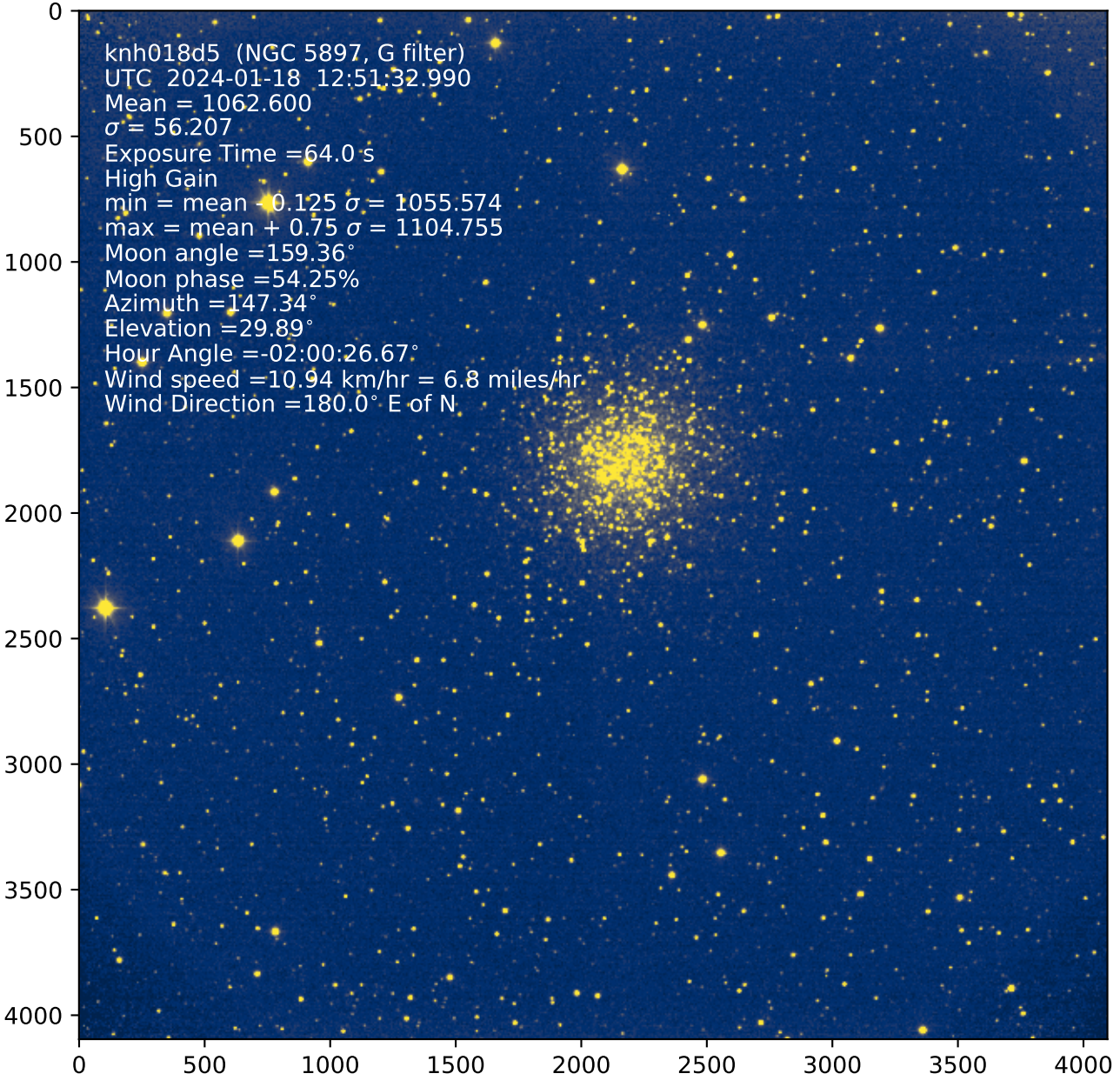

knh018da (NGC 5897, G filter)
UTC 2024-01-18 12:42:24.719
Mean = 1063.387
σ = 62.072
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.628
max = mean + 0.75 σ = 1109.941
Moon angle =159.25°
Moon phase =54.18%
Azimuth =145.22°
Elevation =28.81°
Hour Angle =-02:09:36.17°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

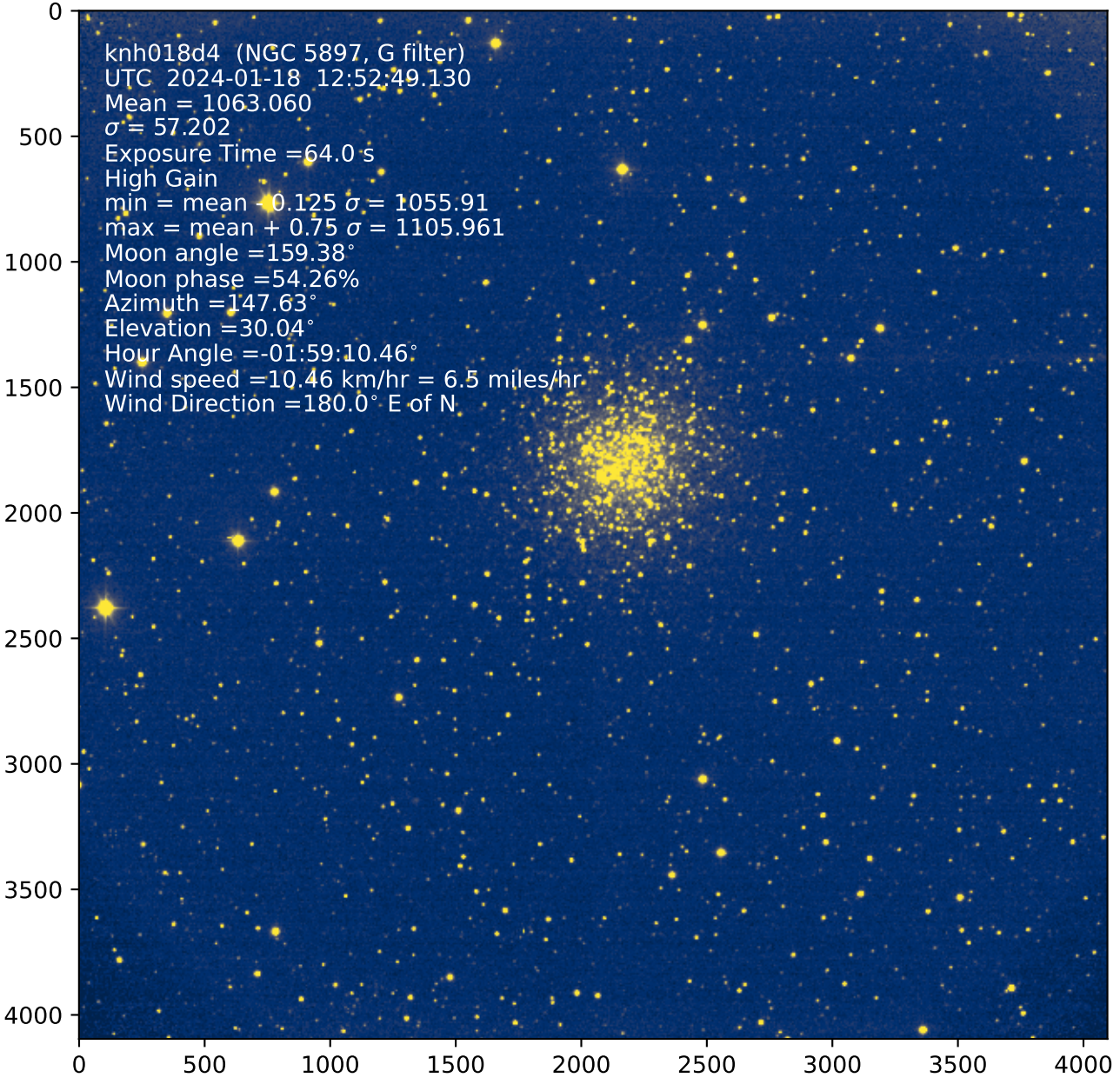

knh018d9 (NGC 5897, G filter)
UTC 2024-01-18 12:43:41.340
Mean = 1063.463
σ = 62.021
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.71
max = mean + 0.75 σ = 1109.979
Moon angle =159.27°
Moon phase =54.19%
Azimuth =145.52°
Elevation =28.97°
Hour Angle =-02:08:18.96°
Wind speed =16.9 km/hr = 10.5 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

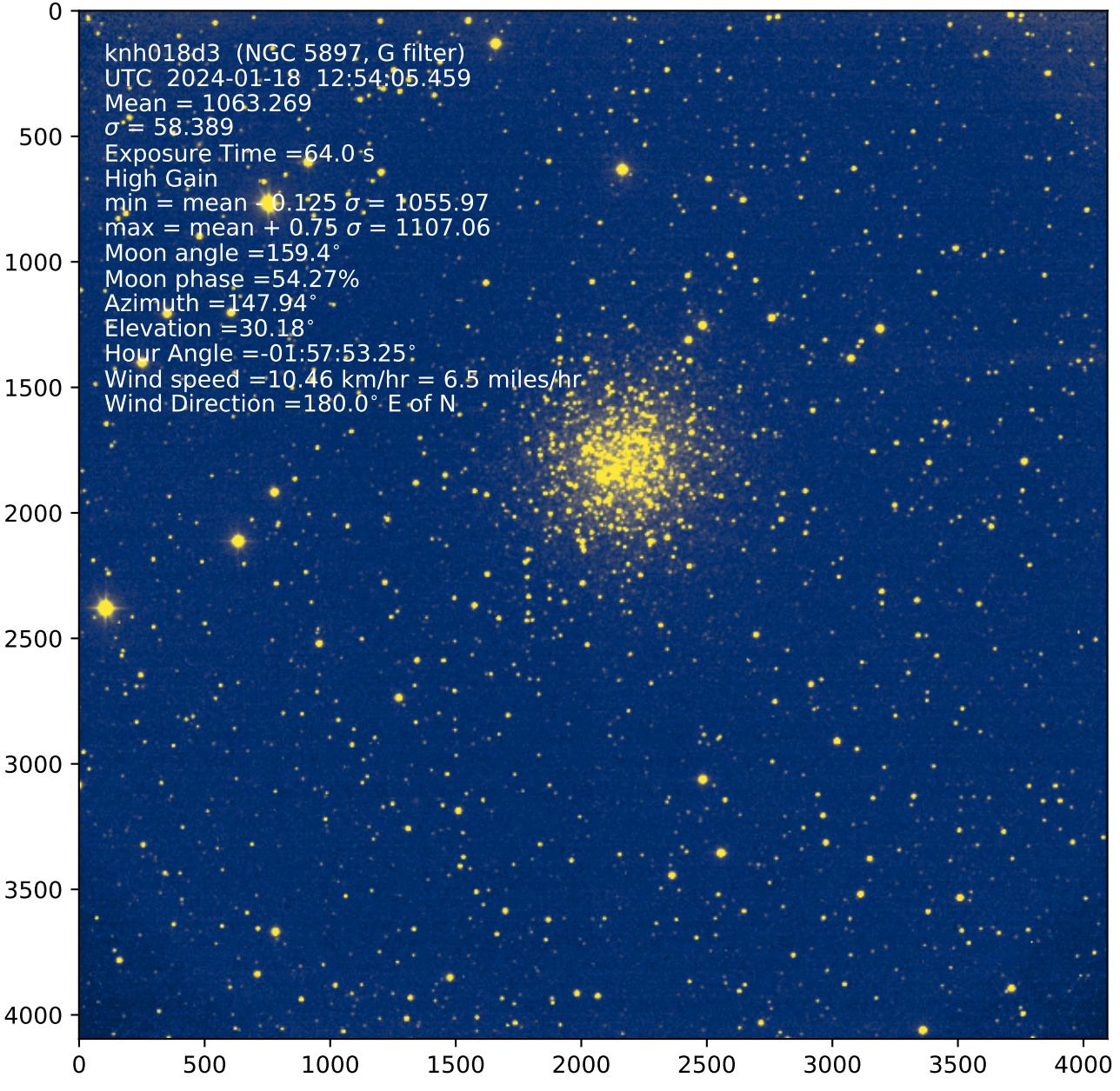

knh018d8 (NGC 5897, G filter)
UTC 2024-01-18 12:47:13.320
Mean = 1062.690
σ = 57.823
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.462
max = mean + 0.75 σ = 1106.057
Moon angle =159.32°
Moon phase =54.22%
Azimuth =146.44°
Elevation =29.45°
Hour Angle =-02:04:16.29°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

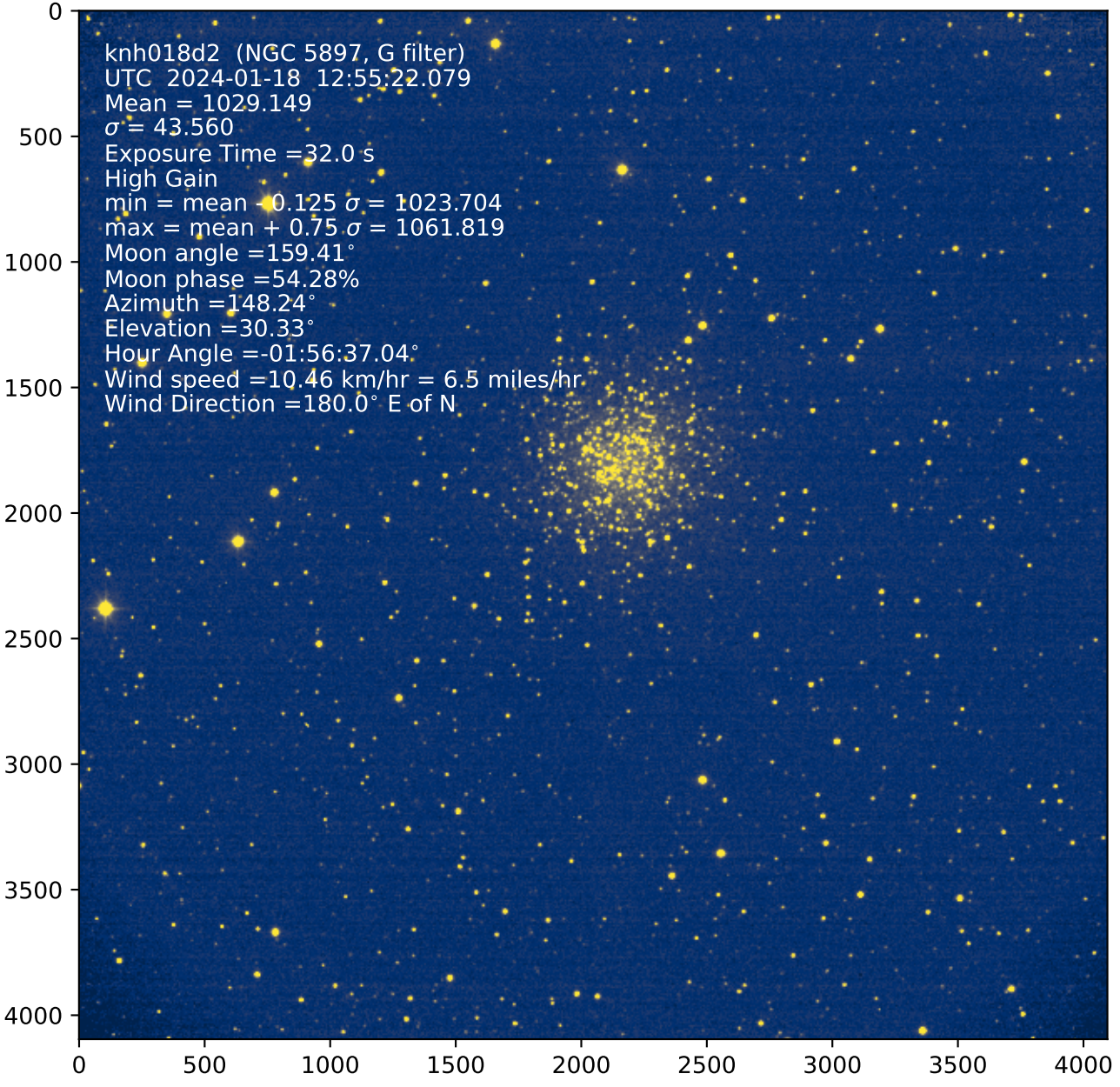

knh018d7 (NGC 5897, G filter)
UTC 2024-01-18 12:49:00.200
Mean = 1062.639
σ = 57.156
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.495
max = mean + 0.75 σ = 1105.507
Moon angle =159.33°
Moon phase =54.23%
Azimuth =146.74°
Elevation =29.6°
Hour Angle =-02:03:00.08°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000

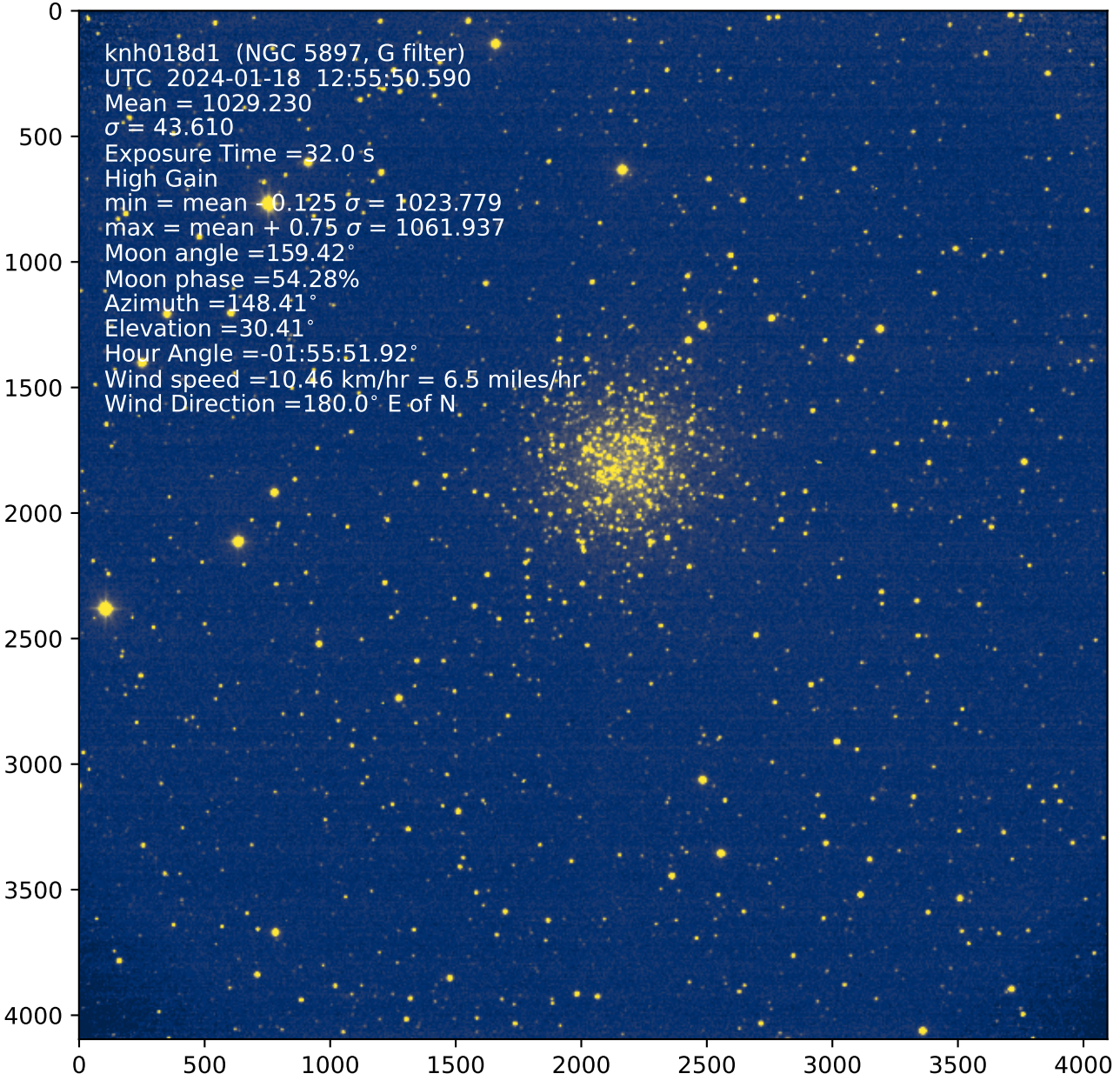

knh018d6 (NGC 5897, G filter)
UTC 2024-01-18 12:50:16.710
Mean = 1062.572
σ = 56.874
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.463
max = mean + 0.75 σ = 1105.228
Moon angle =159.35°
Moon phase =54.24%
Azimuth =147.04°
Elevation =29.75°
Hour Angle =-02:01:42.87°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018d5 (NGC 5897, G filter)
UTC 2024-01-18 12:51:32.990
Mean = 1062.600
σ = 56.207
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.574
max = mean + 0.75 σ = 1104.755
Moon angle =159.36°
Moon phase =54.25%
Azimuth =147.34°
Elevation =29.89°
Hour Angle =-02:00:26.67°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018d4 (NGC 5897, G filter)
UTC 2024-01-18 12:52:49.130
Mean = 1063.060
σ = 57.202
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.91
max = mean + 0.75 σ = 1105.961
Moon angle =159.38°
Moon phase =54.26%
Azimuth =147.63°
Elevation =30.04°
Hour Angle =-01:59:10.46°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018d3 (NGC 5897, G filter)
UTC 2024-01-18 12:54:05.459
Mean = 1063.269
σ = 58.389
Exposure Time =64.0 s
High Gain
min = mean - 0.125 σ = 1055.97
max = mean + 0.75 σ = 1107.06
Moon angle =159.4°
Moon phase =54.27%
Azimuth =147.94°
Elevation =30.18°
Hour Angle =-01:57:53.25°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018d2 (NGC 5897, G filter)
UTC 2024-01-18 12:55:22.079
Mean = 1029.149
σ = 43.560
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.704
max = mean + 0.75 σ = 1061.819
Moon angle =159.41°
Moon phase =54.28%
Azimuth =148.24°
Elevation =30.33°
Hour Angle =-01:56:37.04°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =180.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018d1 (NGC 5897, G filter)
UTC 2024-01-18 12:55:50.590
Mean = 1029.230
σ = 43.610
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.779
max = mean + 0.75 σ = 1061.937
Moon angle =159.42°
Moon phase =54.28%
Azimuth =148.41°
Elevation =30.41°
Hour Angle =-01:55:51.92°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =180.0° E of N
0
500
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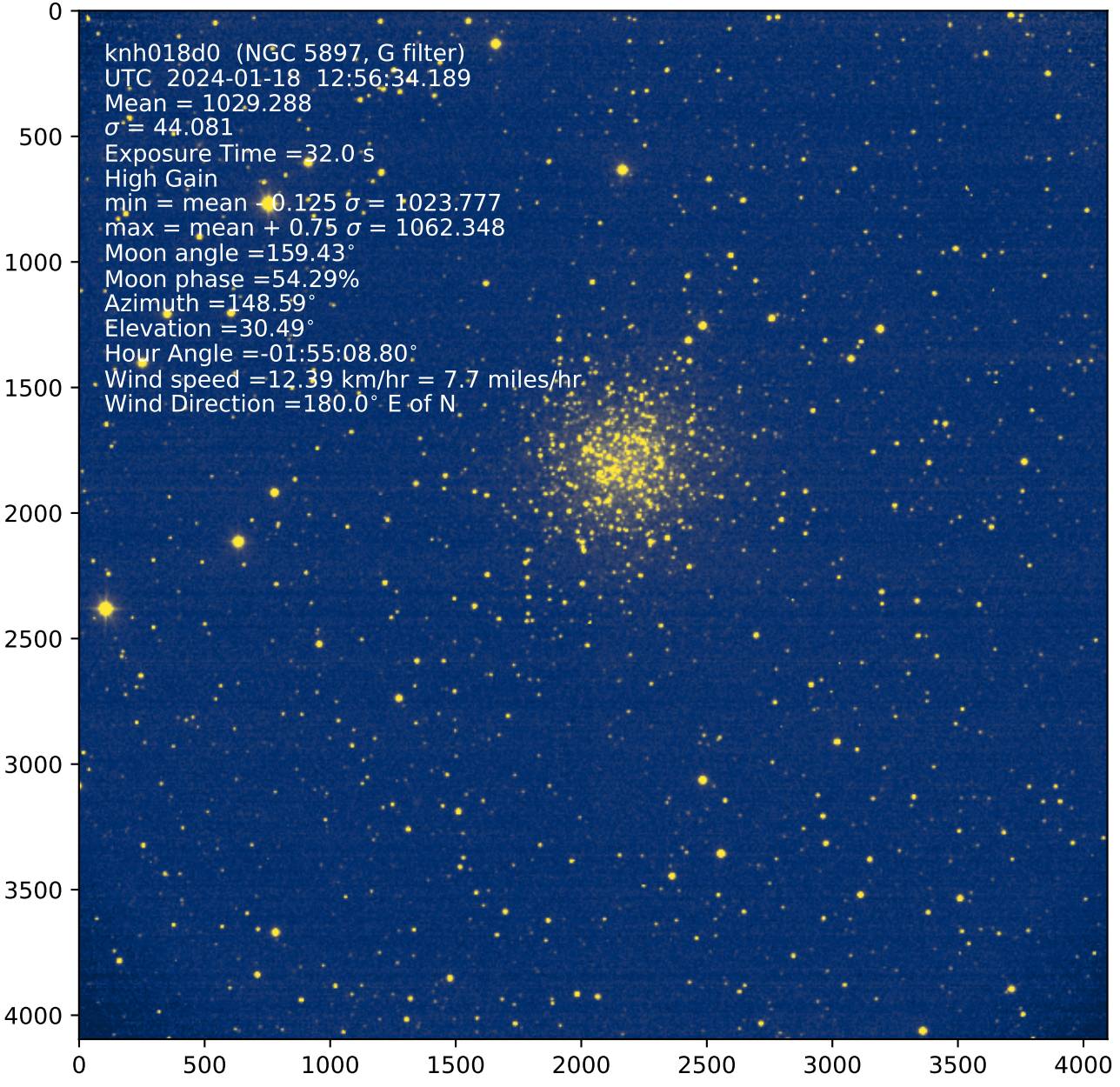
2500
3000
3500
4000


knh018d0 (NGC 5897, G filter)
UTC 2024-01-18 12:56:34.189
Mean = 1029.288
σ = 44.081
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.777
max = mean + 0.75 σ = 1062.348
Moon angle =159.43°
Moon phase =54.29%
Azimuth =148.59°
Elevation =30.49°
Hour Angle =-01:55:08.80°
Wind speed =12.39 km/hr = 7.7 miles/hr
Wind Direction =180.0° E of N
0
500
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2000
2500
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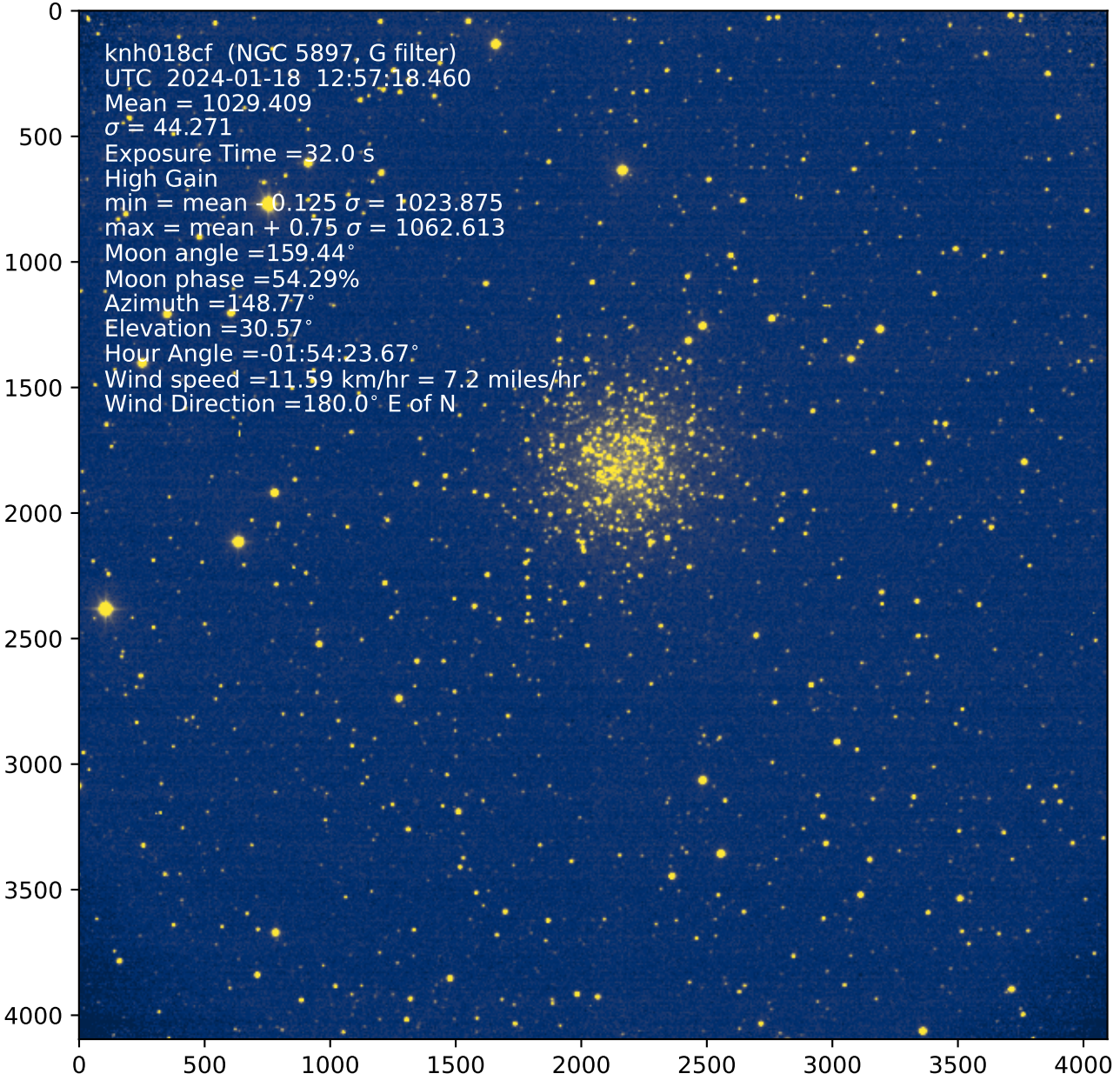
3500
4000


knh018cf (NGC 5897, G filter)
UTC 2024-01-18 12:57:18.460
Mean = 1029.409
σ = 44.271
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.875
max = mean + 0.75 σ = 1062.613
Moon angle =159.44°
Moon phase =54.29%
Azimuth =148.77°
Elevation =30.57°
Hour Angle =-01:54:23.67°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =180.0° E of N
0
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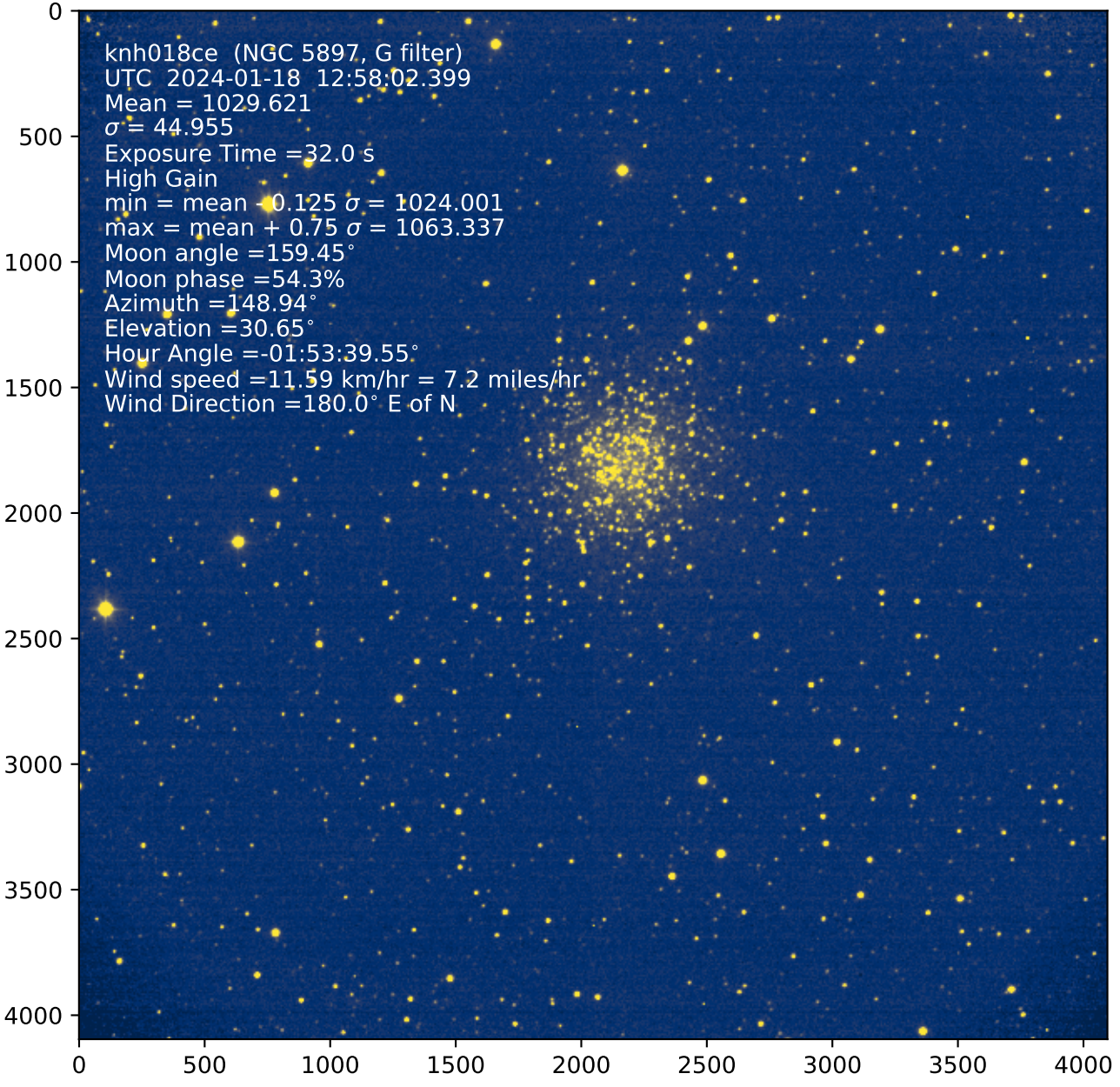
2000
2500
3000
3500
4000


knh018ce (NGC 5897, G filter)
UTC 2024-01-18 12:58:02.399
Mean = 1029.621
σ = 44.955
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1024.001
max = mean + 0.75 σ = 1063.337
Moon angle =159.45°
Moon phase =54.3%
Azimuth =148.94°
Elevation =30.65°
Hour Angle =-01:53:39.55°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =180.0° E of N
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2500
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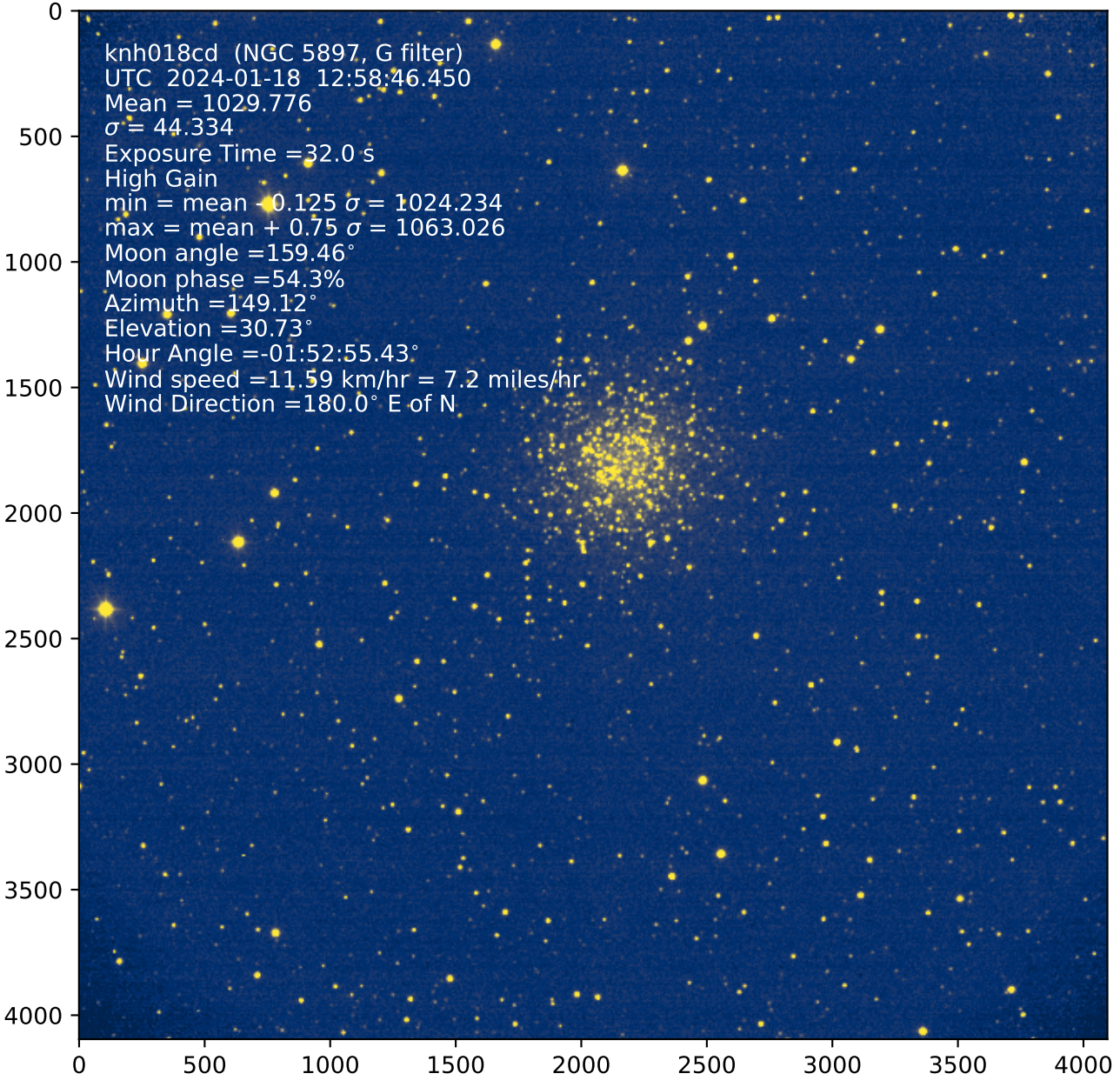
3500
4000


knh018cd (NGC 5897, G filter)
UTC 2024-01-18 12:58:46.450
Mean = 1029.776
σ = 44.334
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1024.234
max = mean + 0.75 σ = 1063.026
Moon angle =159.46°
Moon phase =54.3%
Azimuth =149.12°
Elevation =30.73°
Hour Angle =-01:52:55.43°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =180.0° E of N
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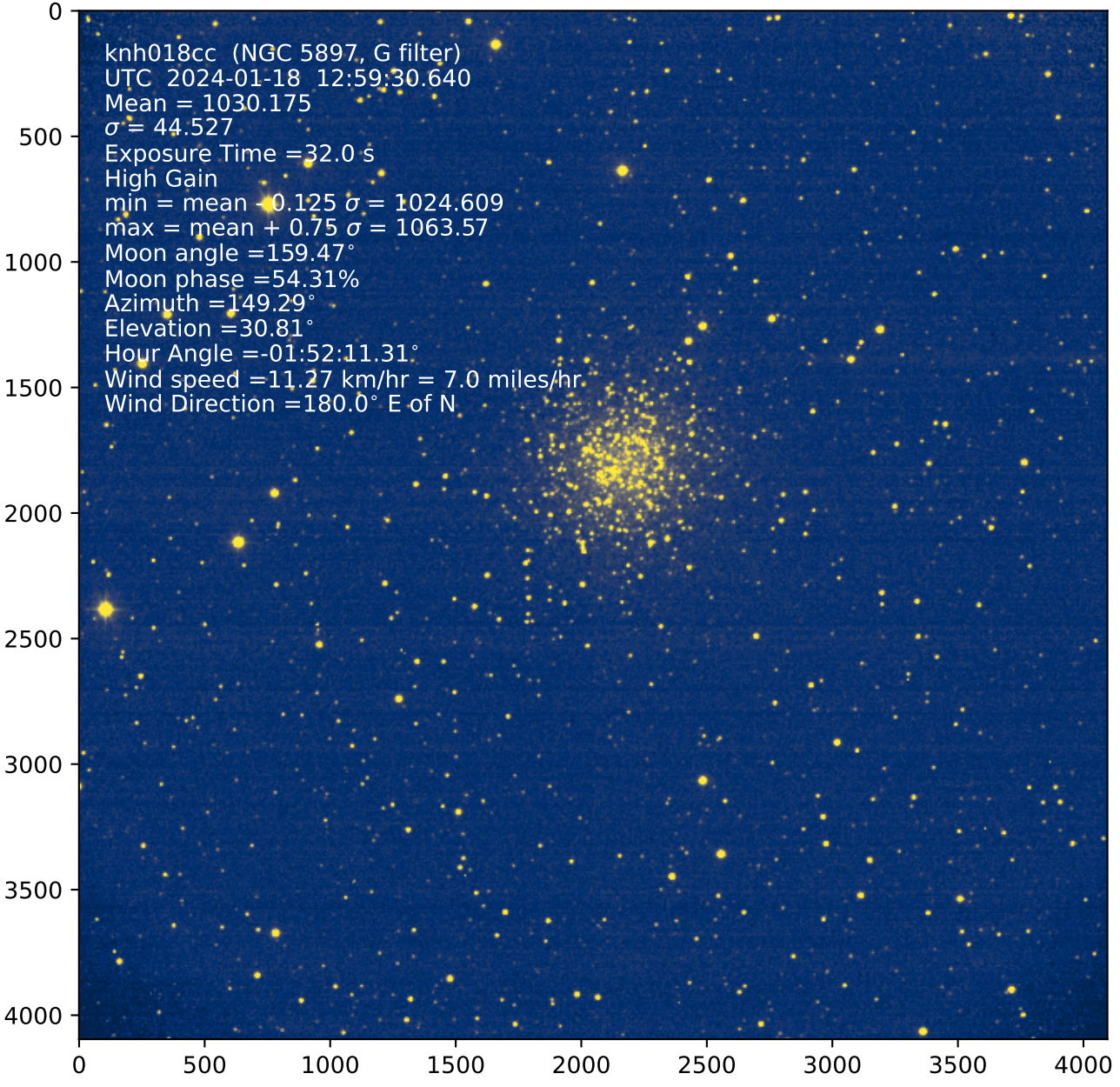
2500
3000
3500
4000


knh018cc (NGC 5897, G filter)
UTC 2024-01-18 12:59:30.640
Mean = 1030.175
σ = 44.527
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1024.609
max = mean + 0.75 σ = 1063.57
Moon angle =159.47°
Moon phase =54.31%
Azimuth =149.29°
Elevation =30.81°
Hour Angle =-01:52:11.31°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =180.0° E of N
0
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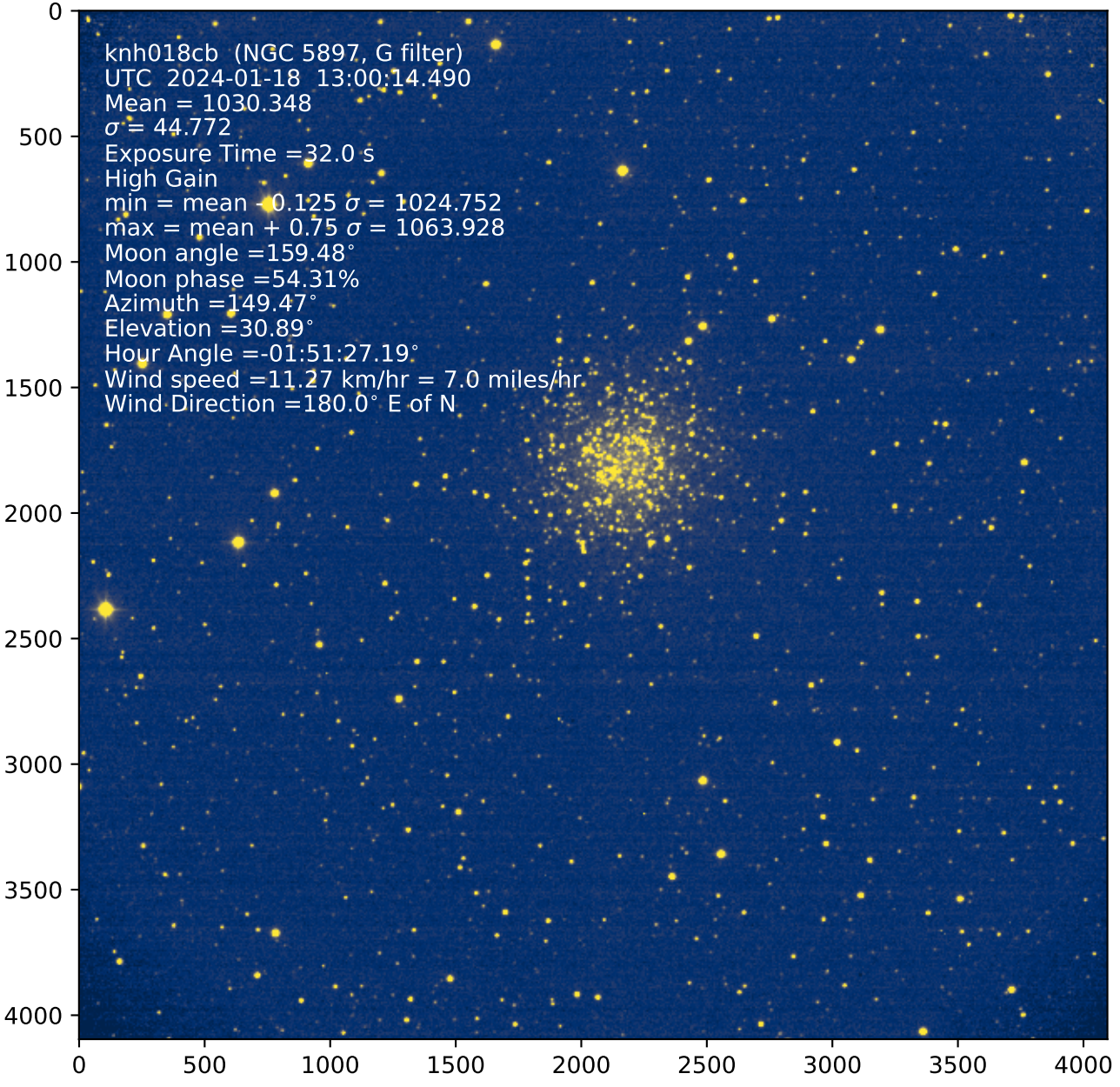
2500
3000
3500
4000


knh018cb (NGC 5897, G filter)
UTC 2024-01-18 13:00:14.490
Mean = 1030.348
σ = 44.772
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1024.752
max = mean + 0.75 σ = 1063.928
Moon angle =159.48°
Moon phase =54.31%
Azimuth =149.47°
Elevation =30.89°
Hour Angle =-01:51:27.19°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =180.0° E of N
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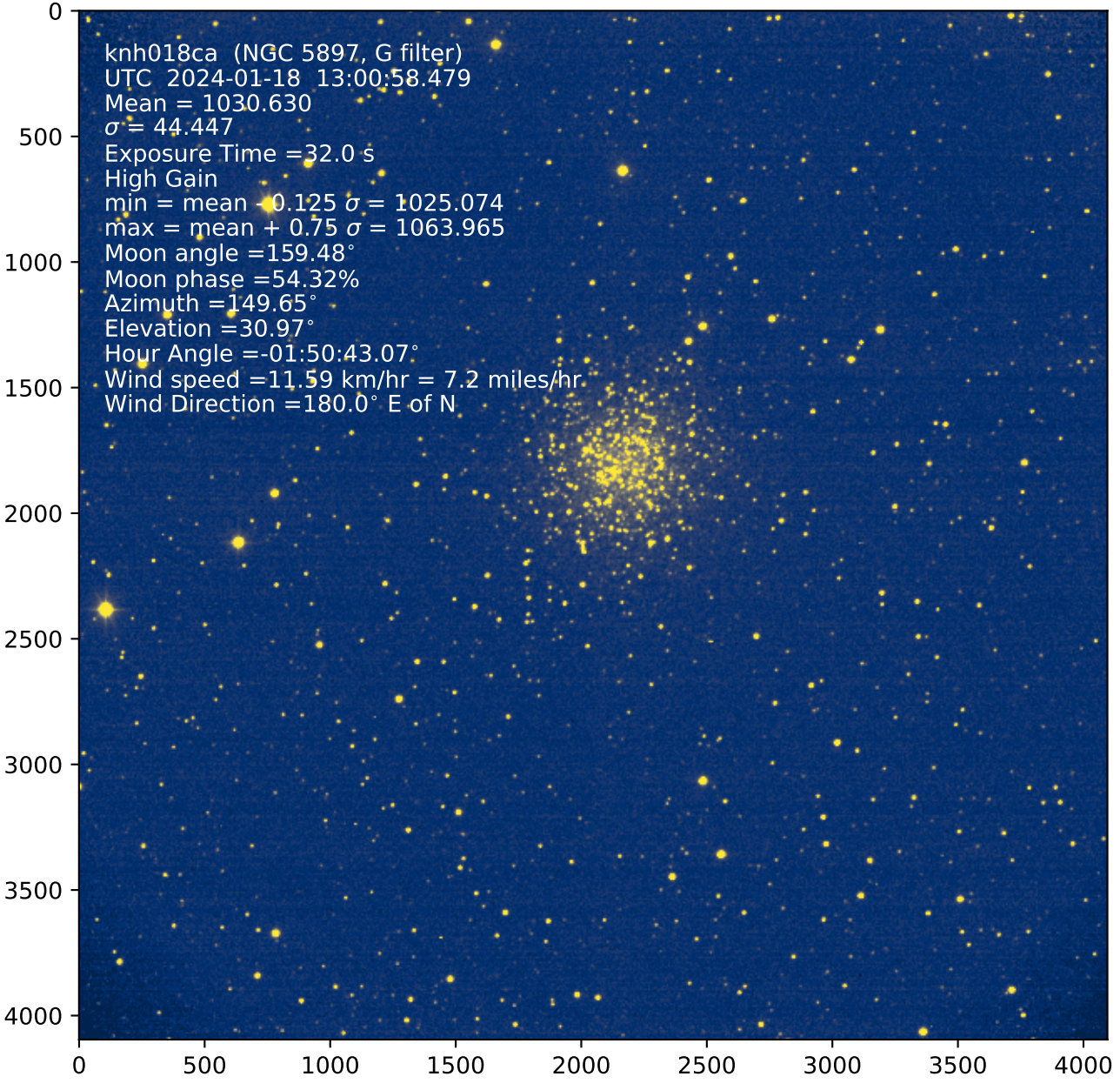
knh018ca (NGC 5897, G filter)
UTC 2024-01-18 13:00:58.479
Mean = 1030.630
σ = 44.447
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1025.074
max = mean + 0.75 σ = 1063.965
Moon angle =159.48°
Moon phase =54.32%
Azimuth =149.65°
Elevation =30.97°
Hour Angle =-01:50:43.07°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =180.0° E of N
0
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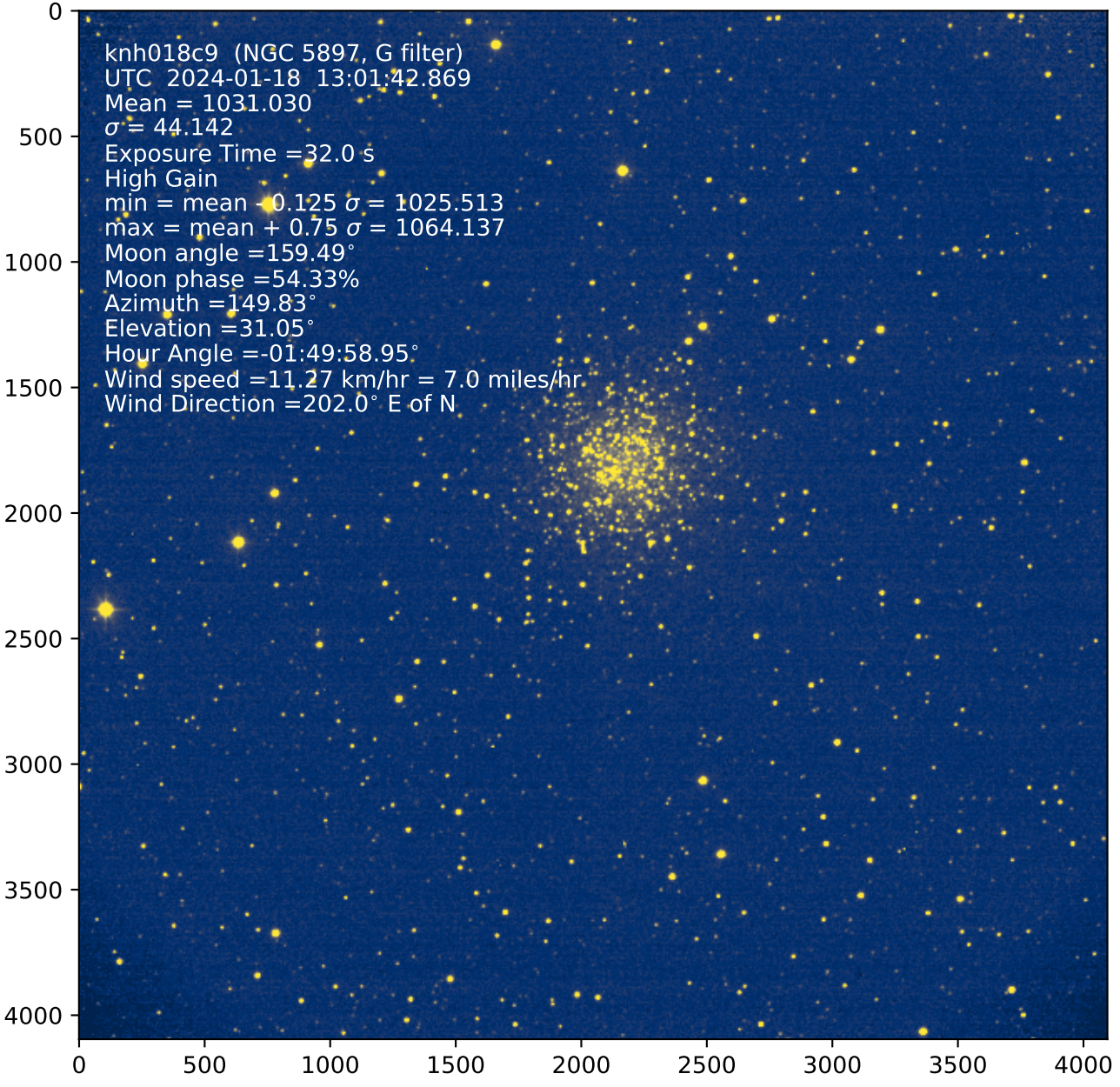
2500
3000
3500
4000


knh018c9 (NGC 5897, G filter)
UTC 2024-01-18 13:01:42.869
Mean = 1031.030
σ = 44.142
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1025.513
max = mean + 0.75 σ = 1064.137
Moon angle =159.49°
Moon phase =54.33%
Azimuth =149.83°
Elevation =31.05°
Hour Angle =-01:49:58.95°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =202.0° E of N
0
500
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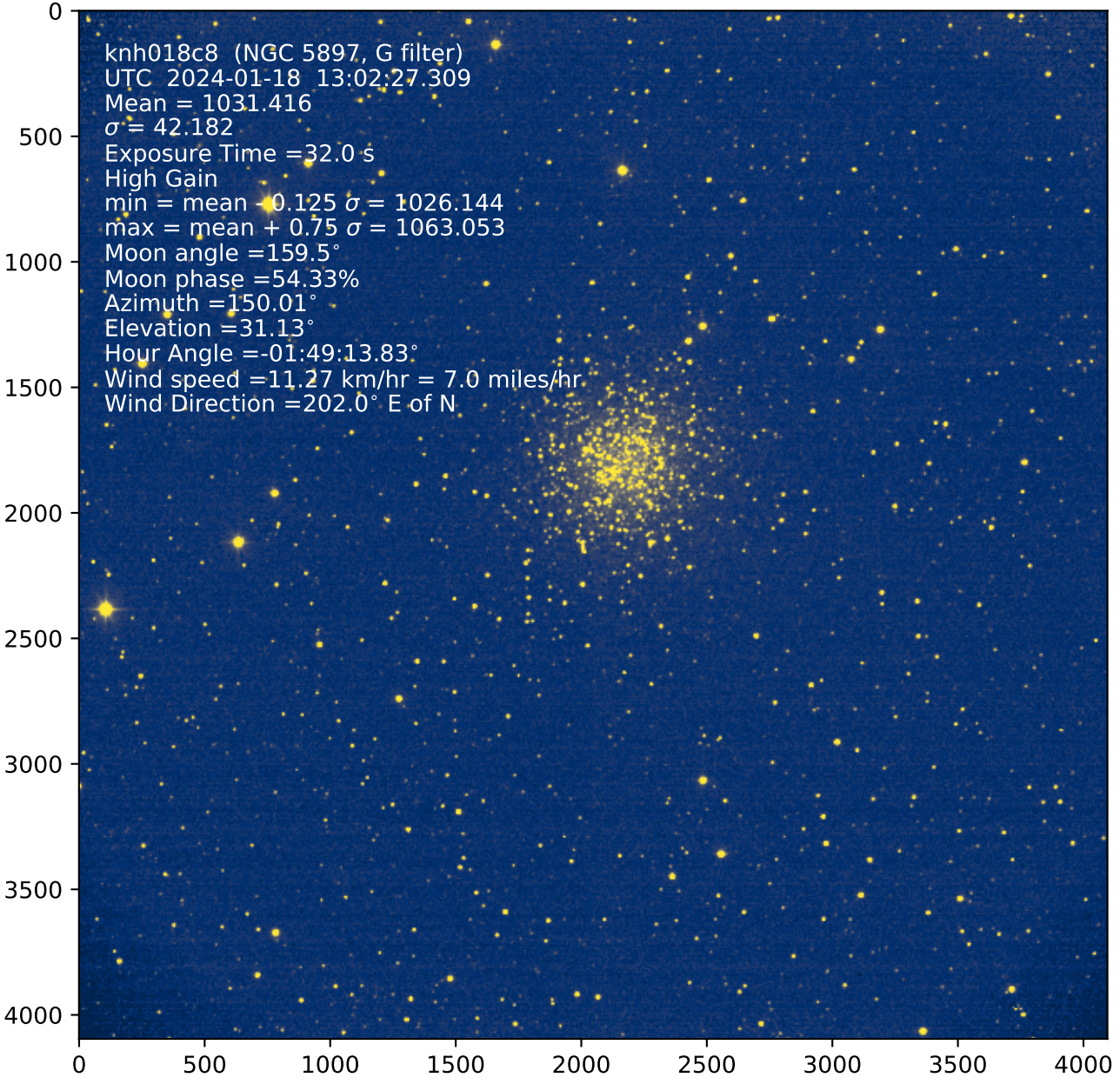
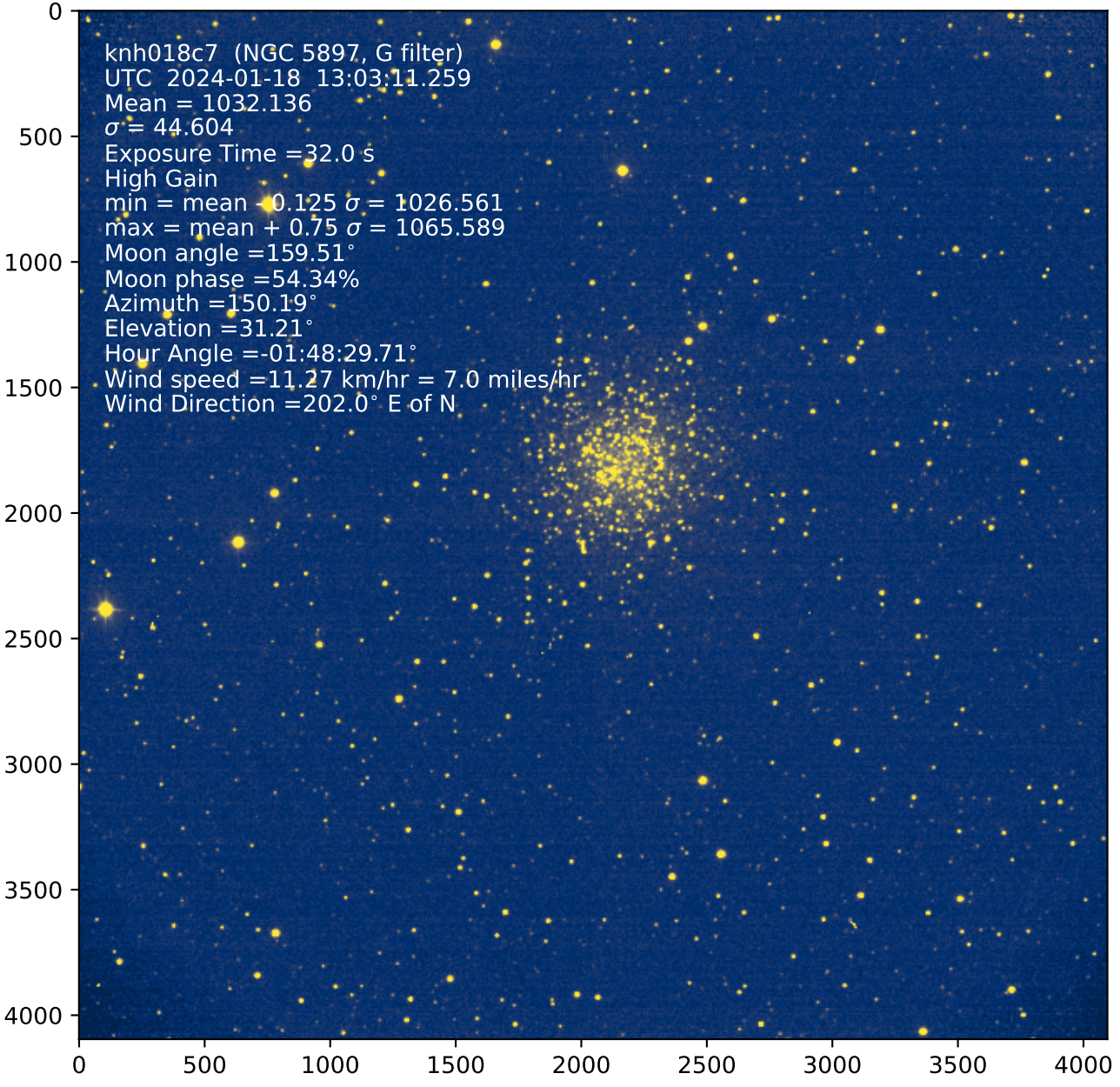
2000
2500
3000
3500
4000


knh018c8 (NGC 5897, G filter)
UTC 2024-01-18 13:02:27.309
Mean = 1031.416
σ = 42.182
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1026.144
max = mean + 0.75 σ = 1063.053
Moon angle =159.5°
Moon phase =54.33%
Azimuth =150.01°
Elevation =31.13°
Hour Angle =-01:49:13.83°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =202.0° E of N
0
500
1000
1500
2000
2500
3000
3500
4000


knh018c7 (NGC 5897, G filter)
UTC 2024-01-18 13:03:11.259
Mean = 1032.136
σ = 44.604
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1026.561
max = mean + 0.75 σ = 1065.589
Moon angle =159.51°
Moon phase =54.34%
Azimuth =150.19°
Elevation =31.21°
Hour Angle =-01:48:29.71°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =202.0° E of N
0
500
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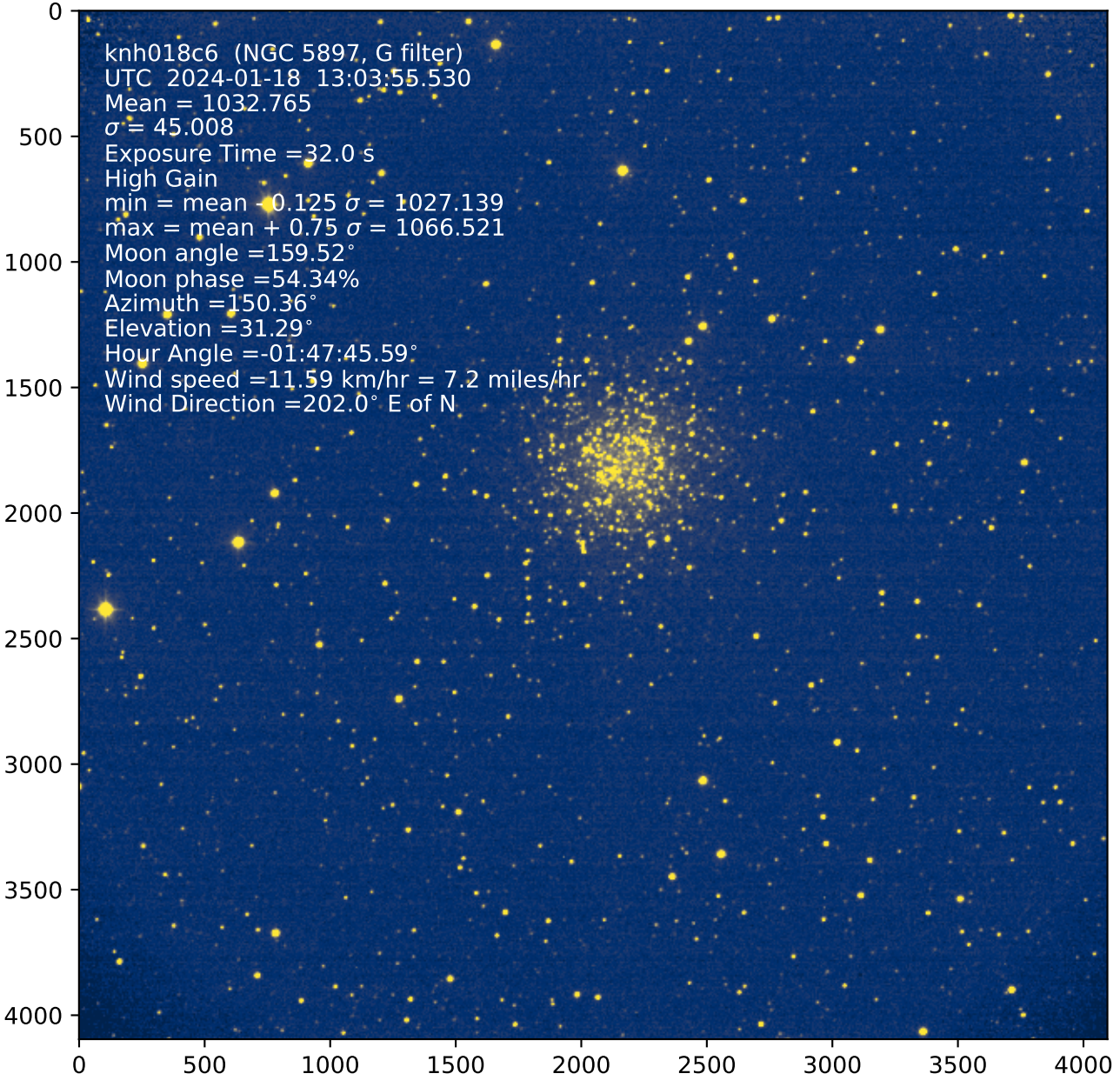
2000
2500
3000
3500
4000


knh018c6 (NGC 5897, G filter)
UTC 2024-01-18 13:03:55.530
Mean = 1032.765
σ = 45.008
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1027.139
max = mean + 0.75 σ = 1066.521
Moon angle =159.52°
Moon phase =54.34%
Azimuth =150.36°
Elevation =31.29°
Hour Angle =-01:47:45.59°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =202.0° E of N
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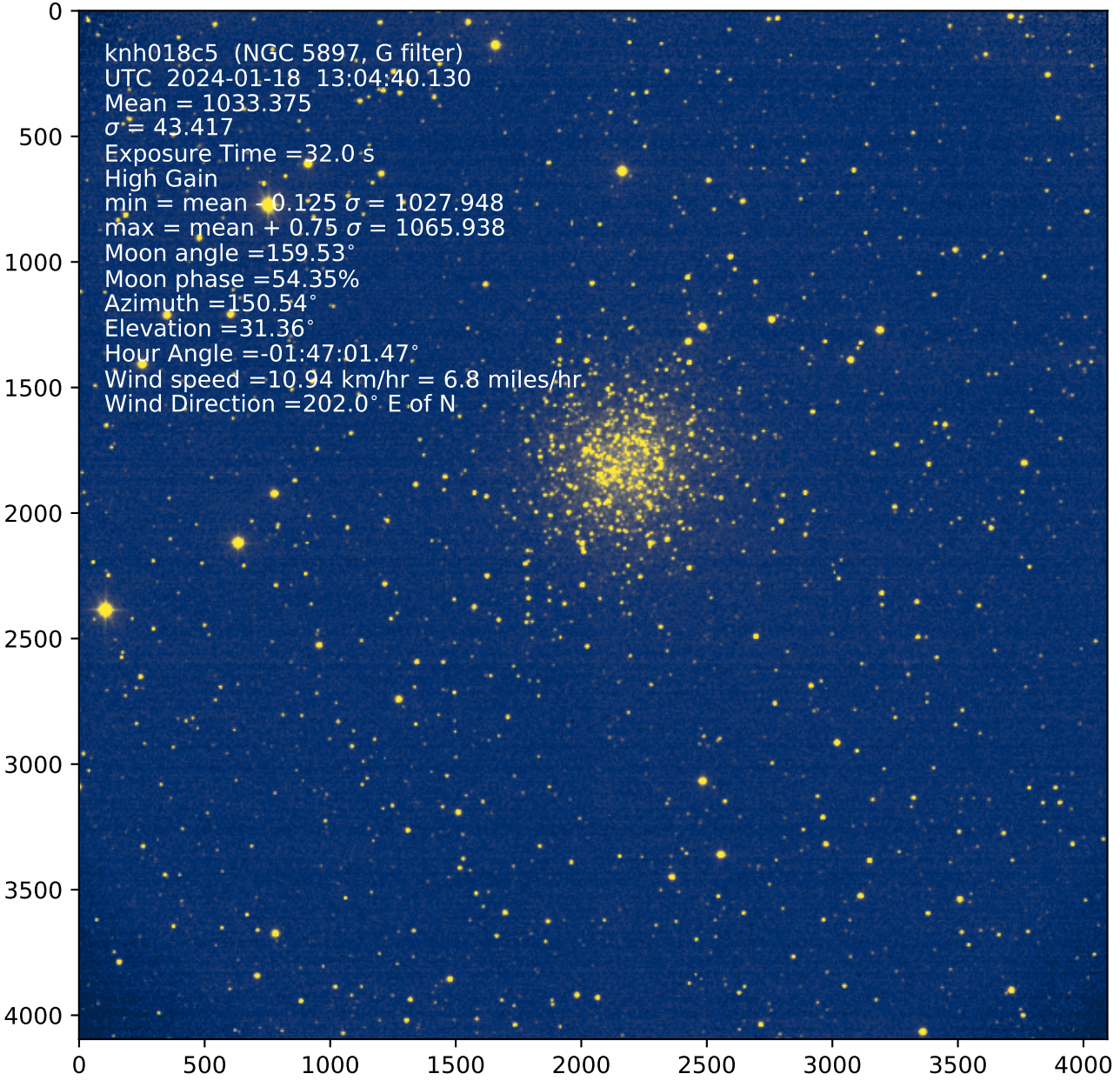
knh018c5 (NGC 5897, G filter)
UTC 2024-01-18 13:04:40.130
Mean = 1033.375
σ = 43.417
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1027.948
max = mean + 0.75 σ = 1065.938
Moon angle =159.53°
Moon phase =54.35%
Azimuth =150.54°
Elevation =31.36°
Hour Angle =-01:47:01.47°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =202.0° E of N
0
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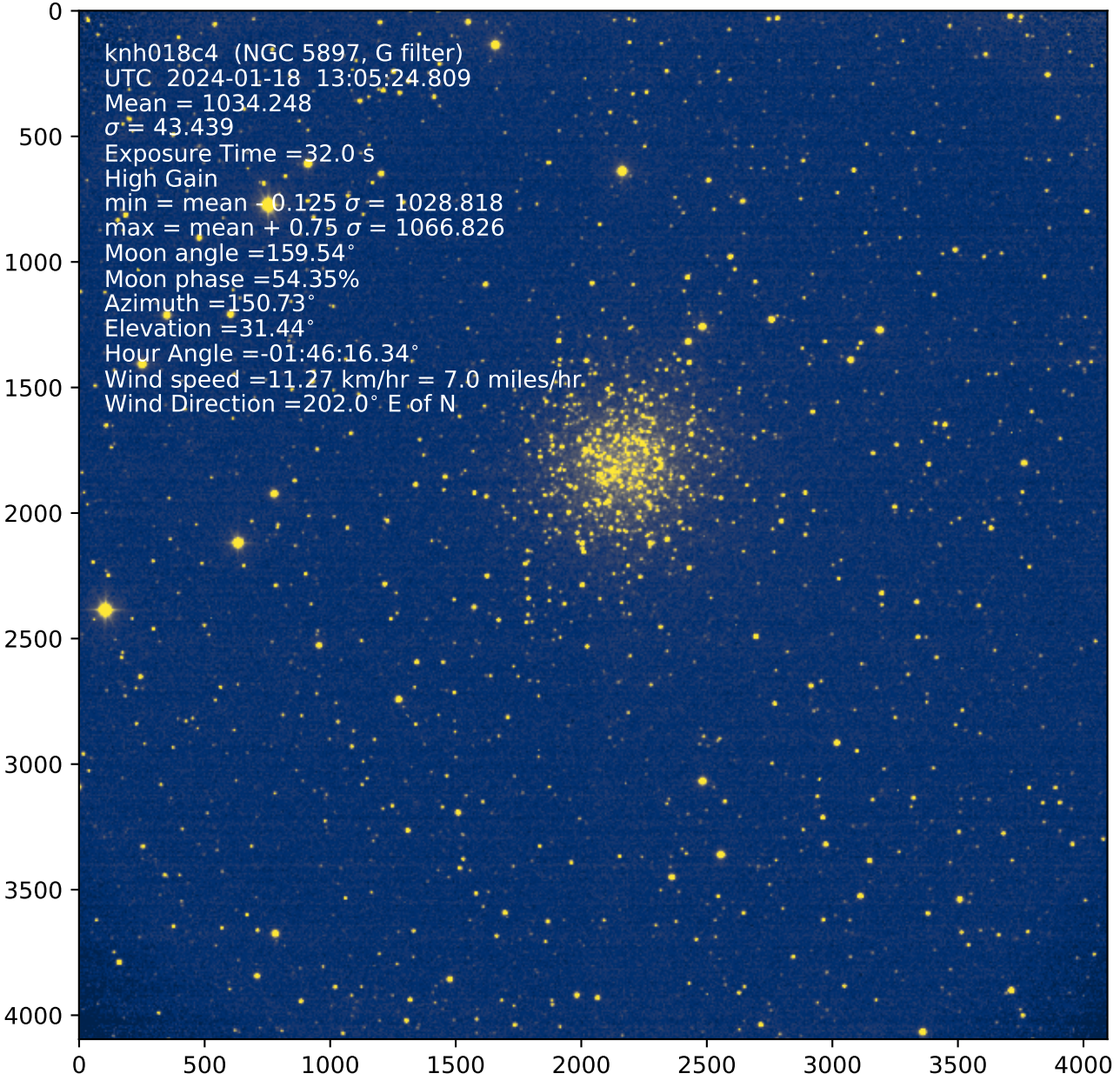
knh018c4 (NGC 5897, G filter)
UTC 2024-01-18 13:05:24.809
Mean = 1034.248
σ = 43.439
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1028.818
max = mean + 0.75 σ = 1066.826
Moon angle =159.54°
Moon phase =54.35%
Azimuth =150.73°
Elevation =31.44°
Hour Angle =-01:46:16.34°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =202.0° E of N
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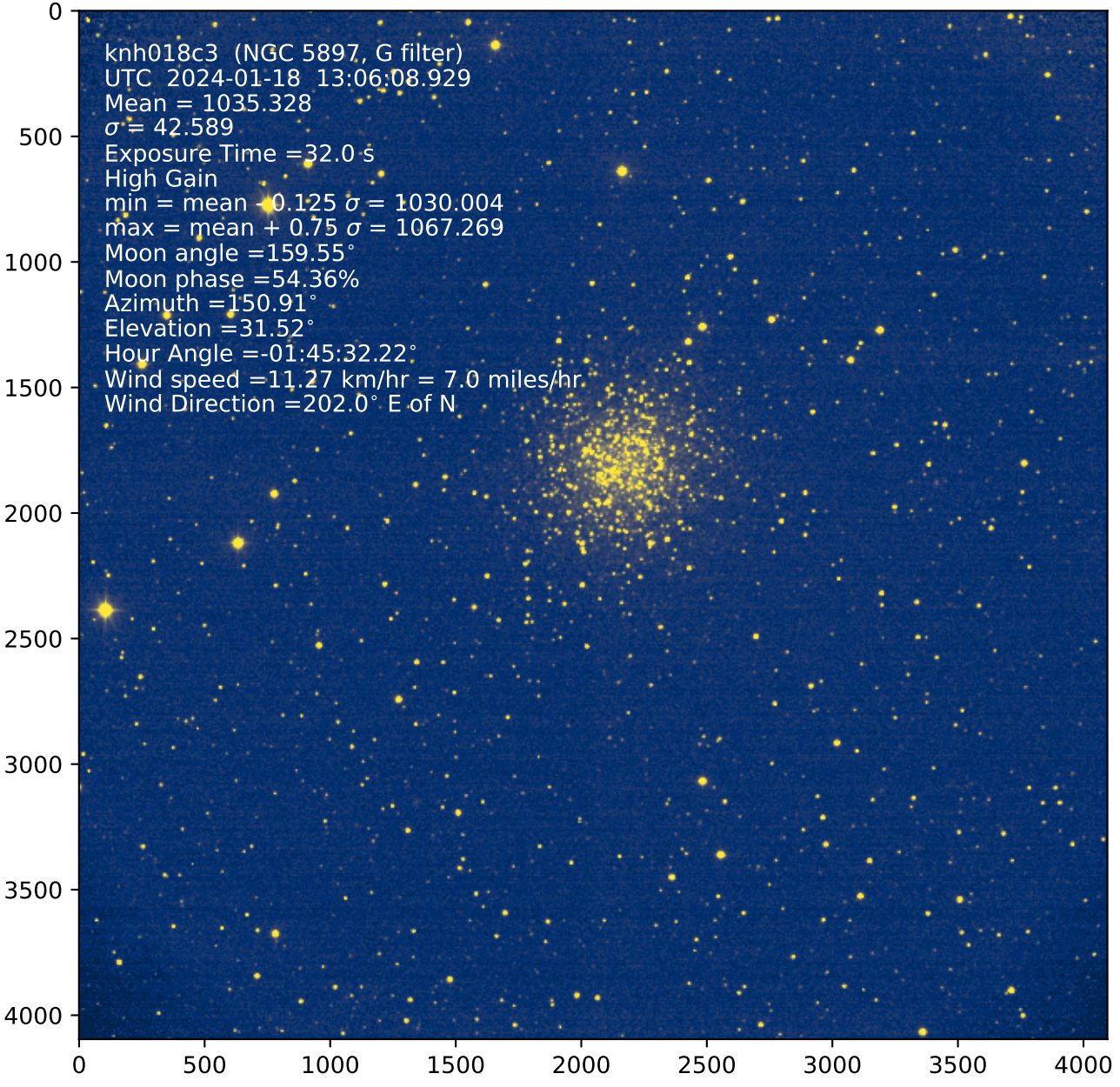
knh018c3 (NGC 5897, G filter)
UTC 2024-01-18 13:06:08.929
Mean = 1035.328
σ = 42.589
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1030.004
max = mean + 0.75 σ = 1067.269
Moon angle =159.55°
Moon phase =54.36%
Azimuth =150.91°
Elevation =31.52°
Hour Angle =-01:45:32.22°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =202.0° E of N
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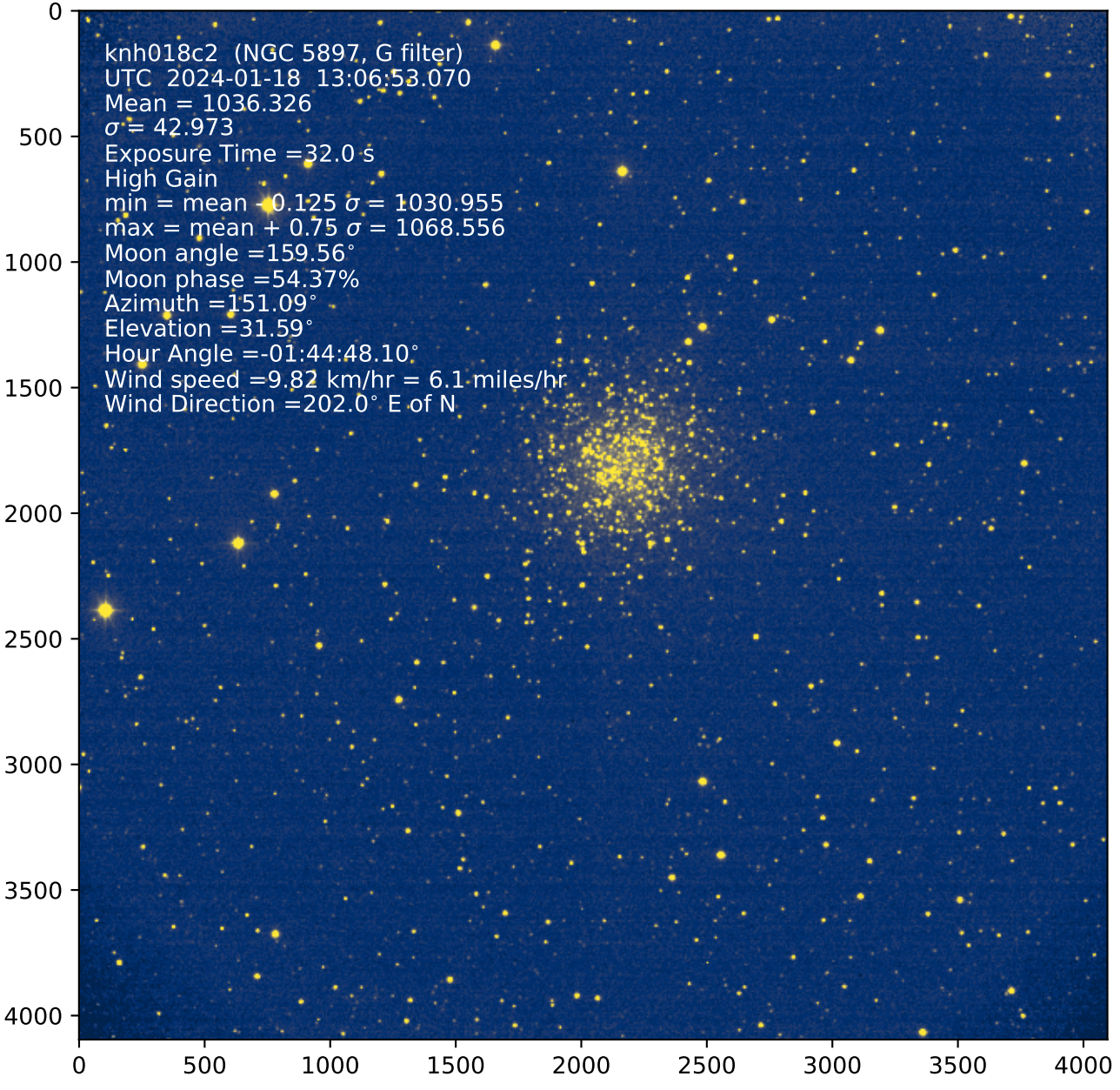
knh018c2 (NGC 5897, G filter)
UTC 2024-01-18 13:06:53.070
Mean = 1036.326
σ = 42.973
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1030.955
max = mean + 0.75 σ = 1068.556
Moon angle =159.56°
Moon phase =54.37%
Azimuth =151.09°
Elevation =31.59°
Hour Angle =-01:44:48.10°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =202.0° E of N
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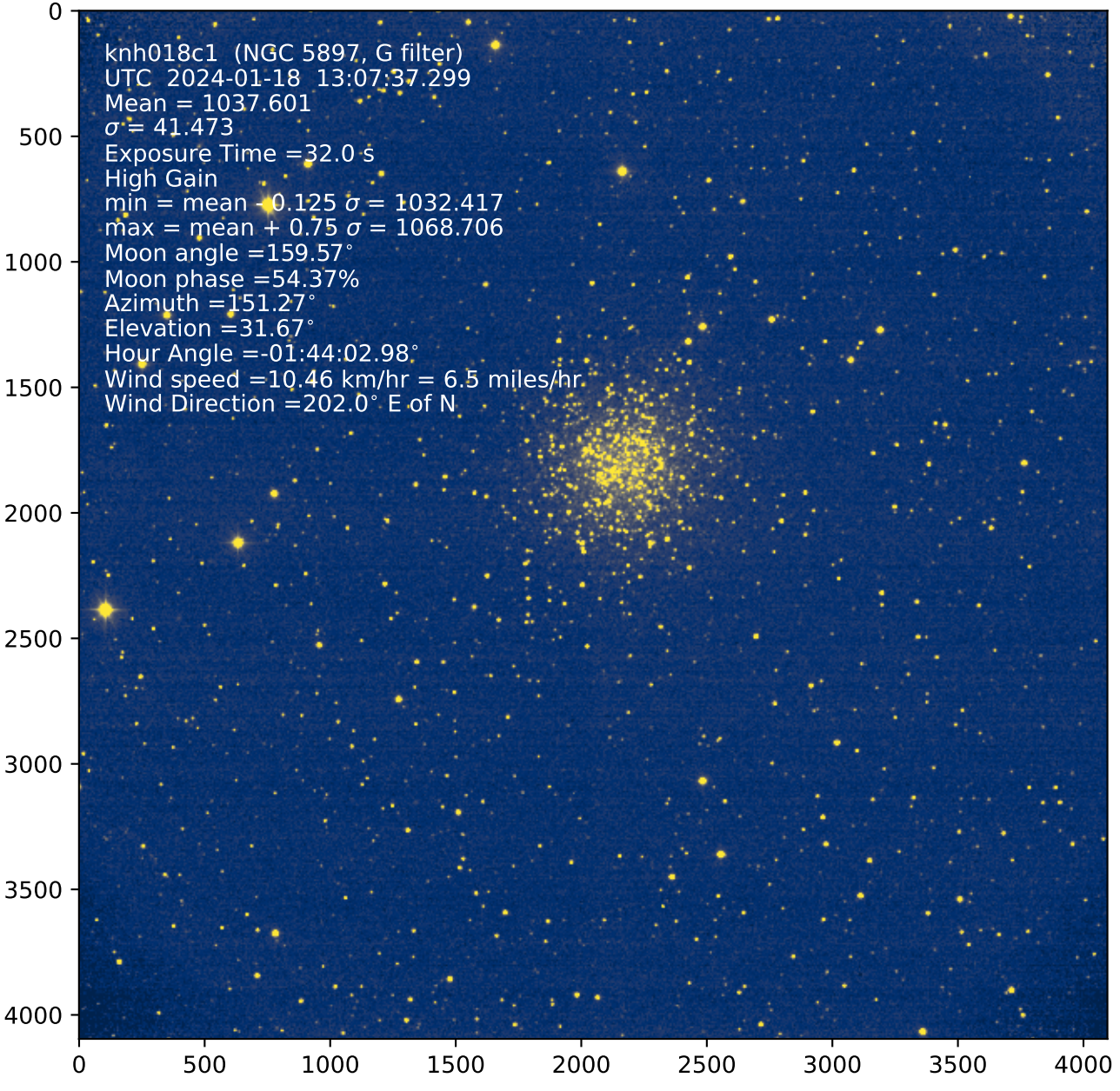
knh018c1 (NGC 5897, G filter)
UTC 2024-01-18 13:07:37.299
Mean = 1037.601
σ = 41.473
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1032.417
max = mean + 0.75 σ = 1068.706
Moon angle =159.57°
Moon phase =54.37%
Azimuth =151.27°
Elevation =31.67°
Hour Angle =-01:44:02.98°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =202.0° E of N
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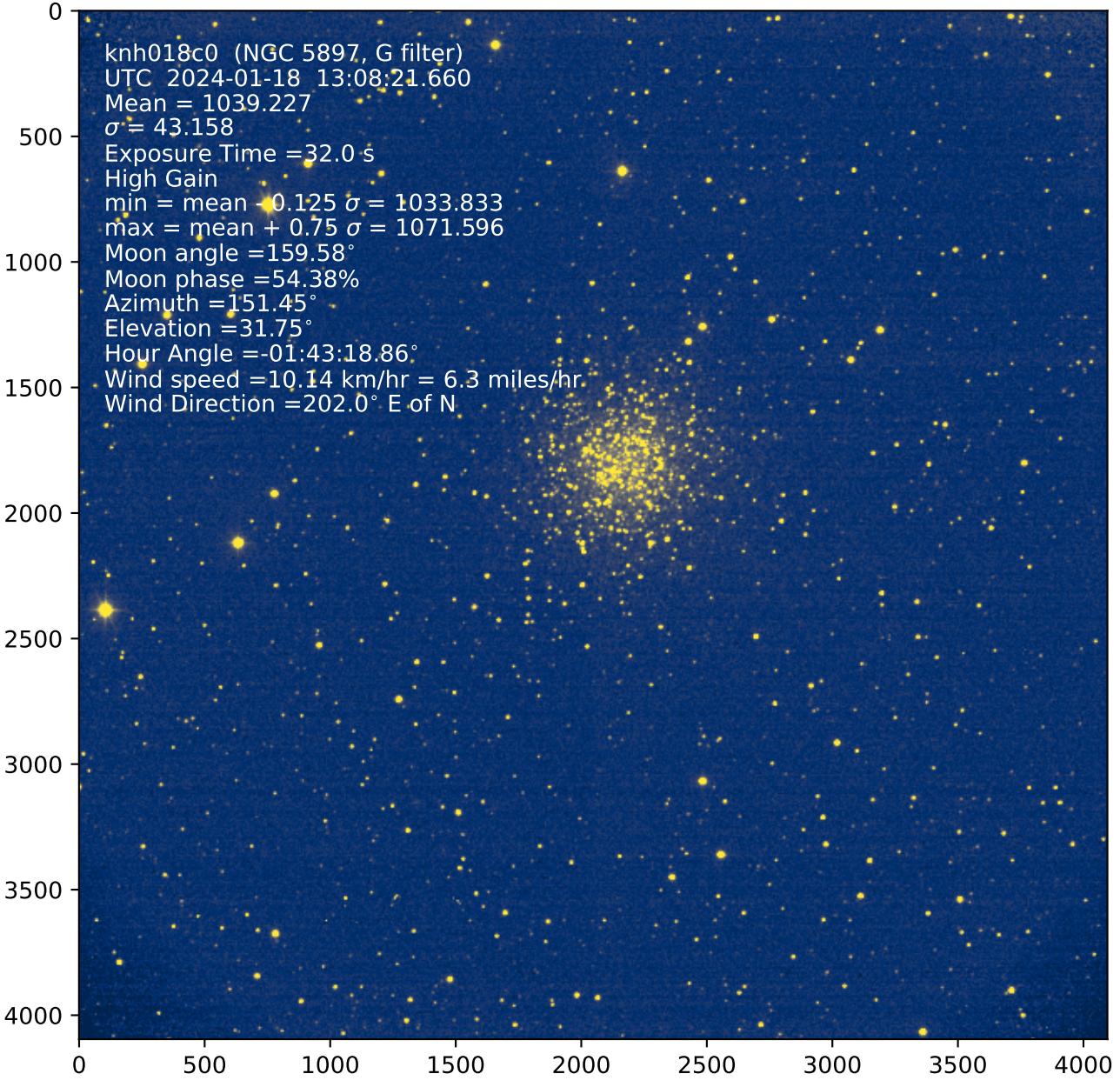
knh018c0 (NGC 5897, G filter)
UTC 2024-01-18 13:08:21.660
Mean = 1039.227
σ = 43.158
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1033.833
max = mean + 0.75 σ = 1071.596
Moon angle =159.58°
Moon phase =54.38%
Azimuth =151.45°
Elevation =31.75°
Hour Angle =-01:43:18.86°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0° E of N
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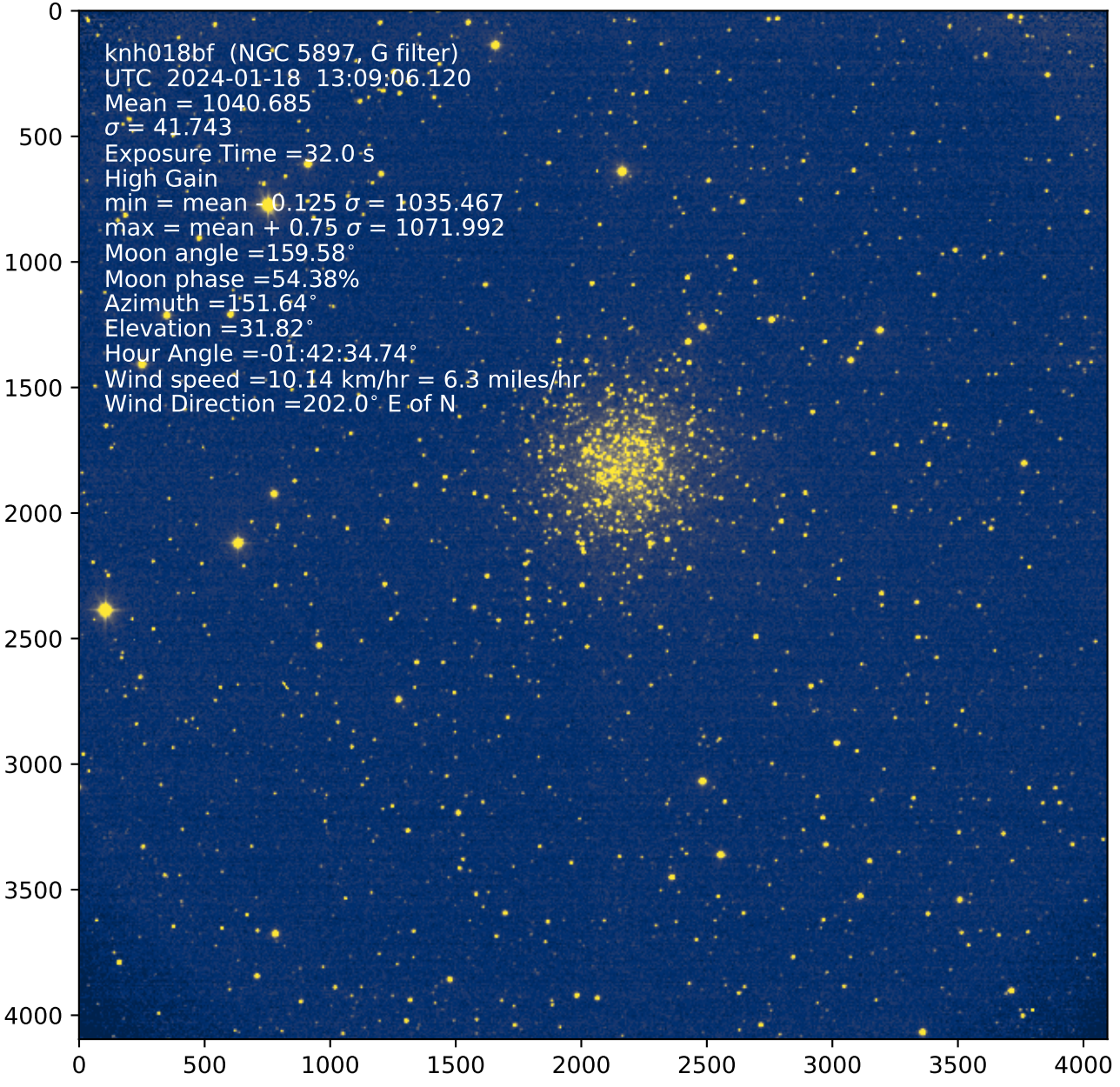
knh018bf (NGC 5897, G filter)
UTC 2024-01-18 13:09:06.120
Mean = 1040.685
σ = 41.743
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1035.467
max = mean + 0.75 σ = 1071.992
Moon angle =159.58°
Moon phase =54.38%
Azimuth =151.64°
Elevation =31.82°
Hour Angle =-01:42:34.74°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0° E of N
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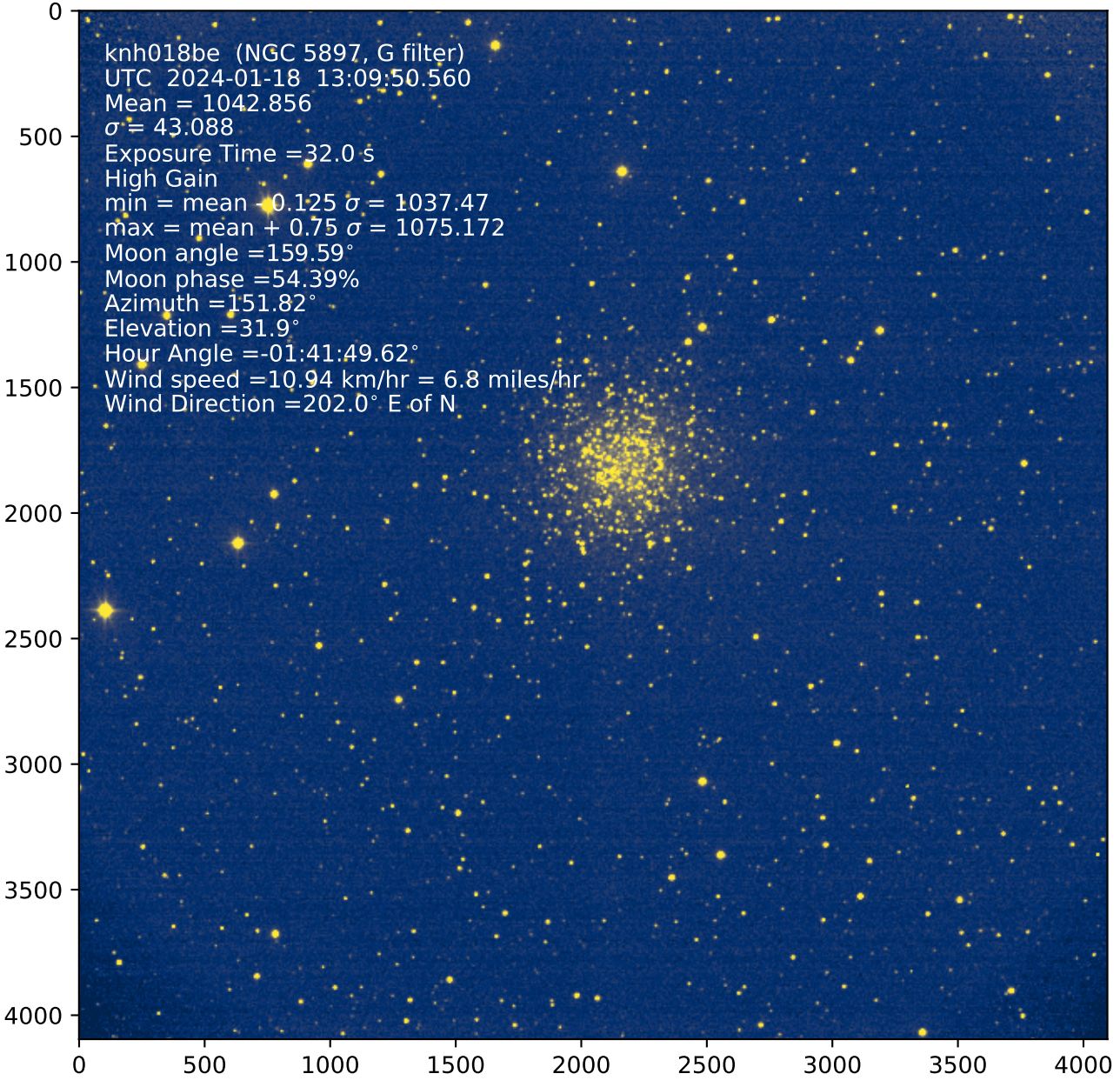
knh018be (NGC 5897, G filter)
UTC 2024-01-18 13:09:50.560
Mean = 1042.856
σ = 43.088
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1037.47
max = mean + 0.75 σ = 1075.172
Moon angle =159.59°
Moon phase =54.39%
Azimuth =151.82°
Elevation =31.9°
Hour Angle =-01:41:49.62°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =202.0° E of N
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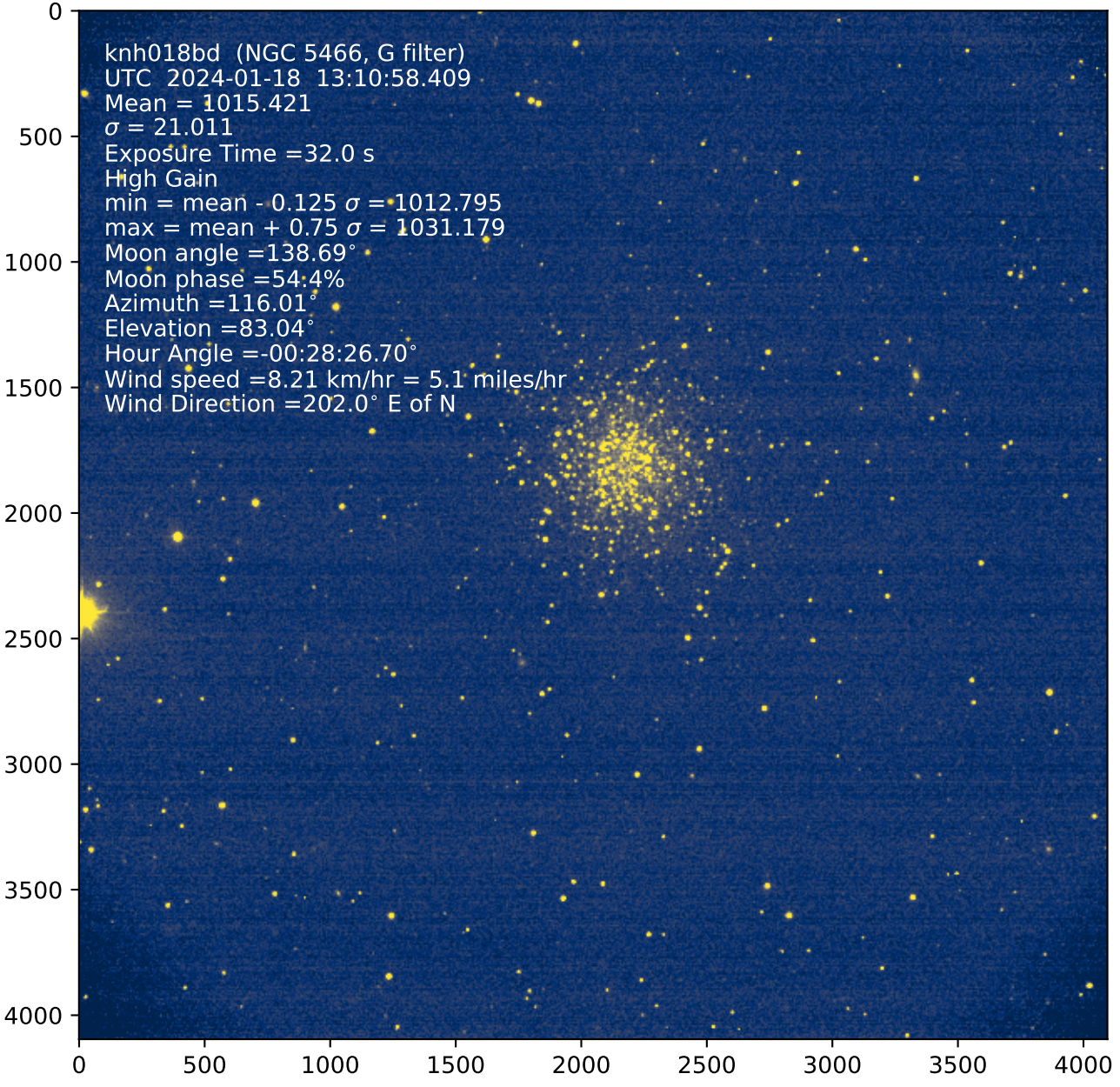
knh018bd (NGC 5466, G filter)
UTC 2024-01-18 13:10:58.409
Mean = 1015.421
σ = 21.011
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1012.795
max = mean + 0.75 σ = 1031.179
Moon angle =138.69°
Moon phase =54.4%
Azimuth =116.01°
Elevation =83.04°
Hour Angle =-00:28:26.70°
Wind speed =8.21 km/hr = 5.1 miles/hr
Wind Direction =202.0° E of N
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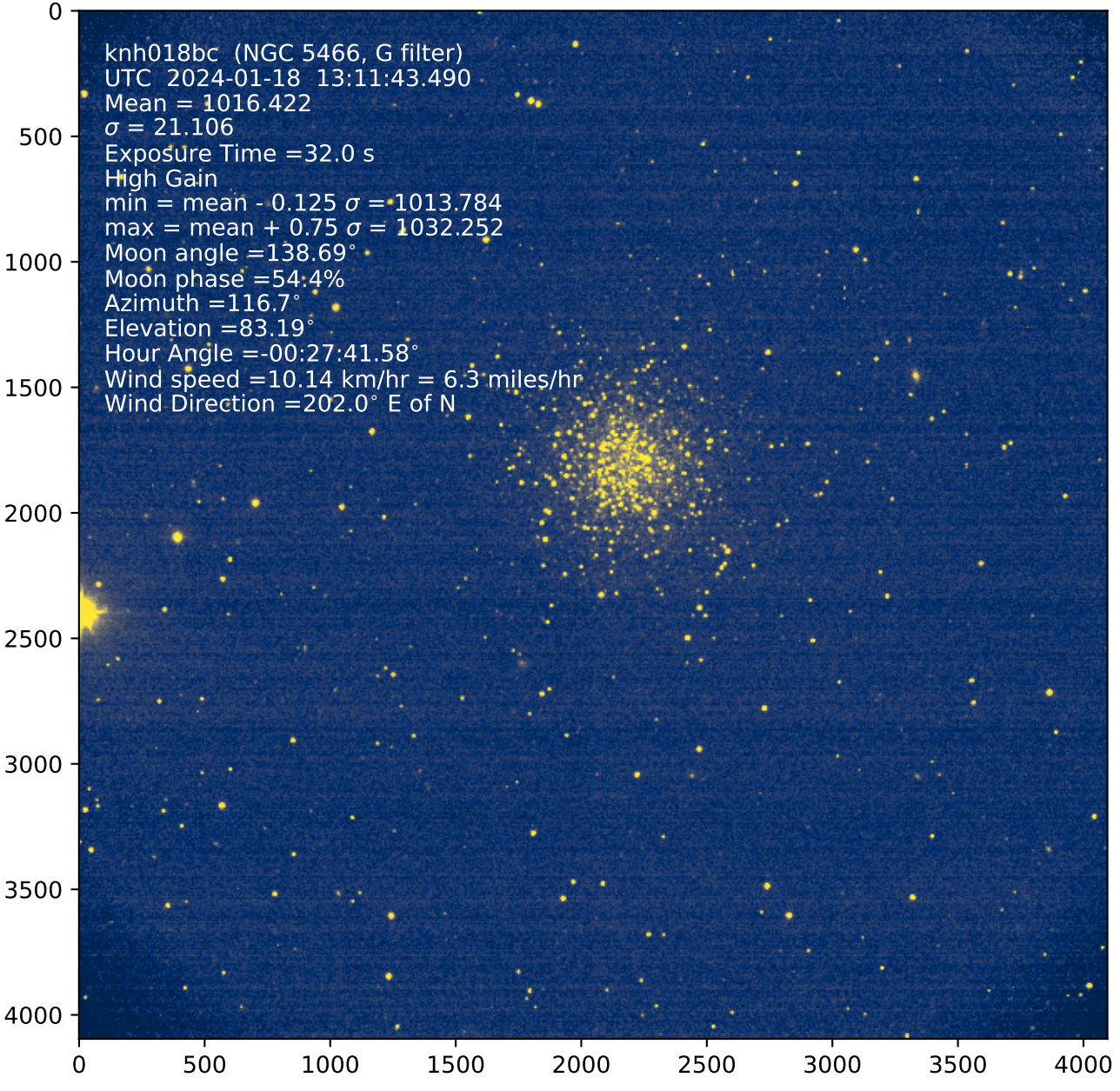
knh018bc (NGC 5466, G filter)
UTC 2024-01-18 13:11:43.490
Mean = 1016.422
σ = 21.106
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1013.784
max = mean + 0.75 σ = 1032.252
Moon angle =138.69°
Moon phase =54.4%
Azimuth =116.7°
Elevation =83.19°
Hour Angle =-00:27:41.58°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0° E of N
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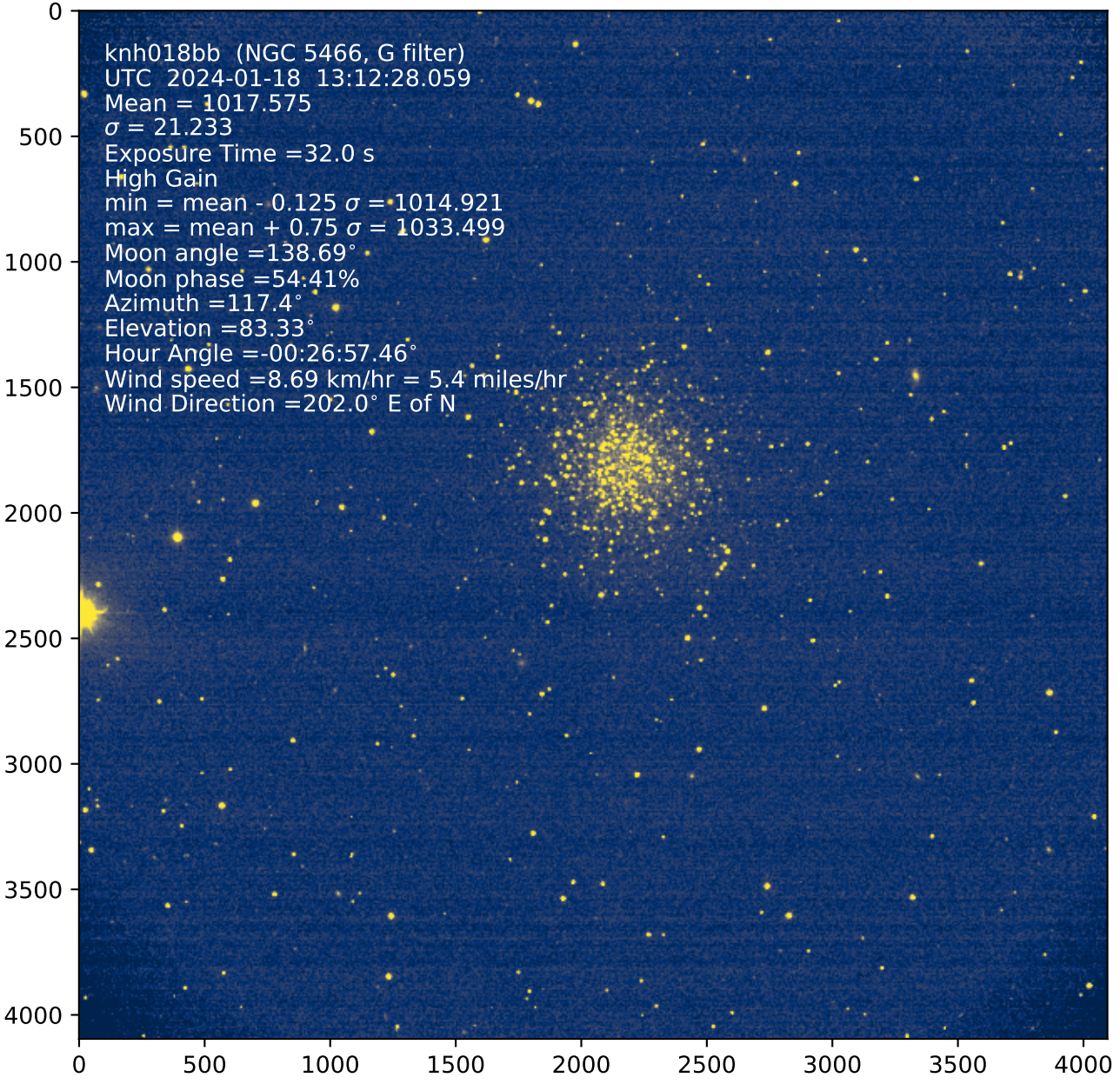
knh018bb (NGC 5466, G filter)
UTC 2024-01-18 13:12:28.059
Mean = 1017.575
σ = 21.233
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1014.921
max = mean + 0.75 σ = 1033.499
Moon angle =138.69°
Moon phase =54.41%
Azimuth =117.4°
Elevation =83.33°
Hour Angle =-00:26:57.46°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =202.0° E of N
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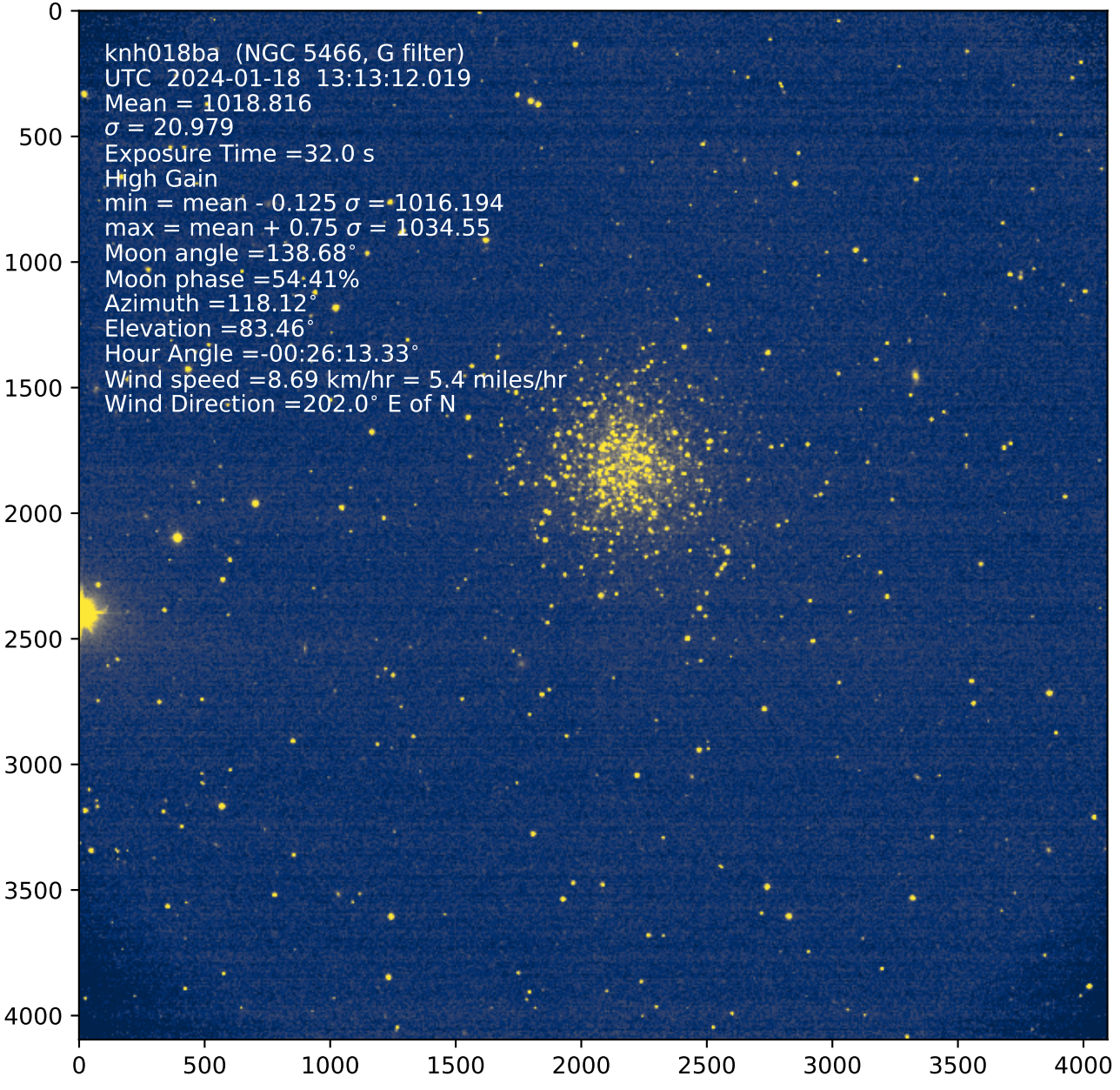
knh018ba (NGC 5466, G filter)
UTC 2024-01-18 13:13:12.019
Mean = 1018.816
σ = 20.979
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1016.194
max = mean + 0.75 σ = 1034.55
Moon angle =138.68°
Moon phase =54.41%
Azimuth =118.12°
Elevation =83.46°
Hour Angle =-00:26:13.33°
Wind speed =8.69 km/hr = 5.4 miles/hr
Wind Direction =202.0° E of N
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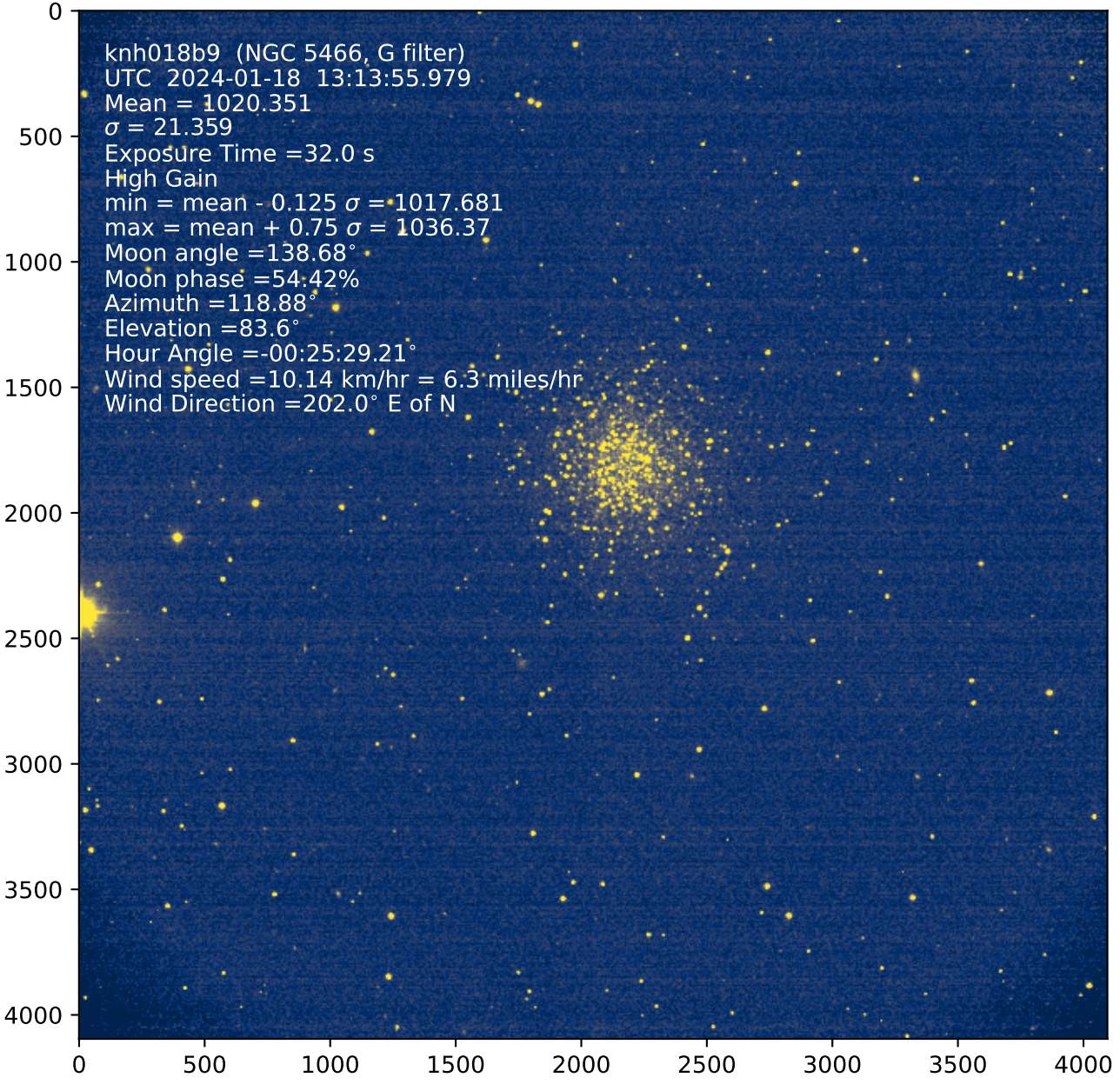
knh018b9 (NGC 5466, G filter)
UTC 2024-01-18 13:13:55.979
Mean = 1020.351
σ = 21.359
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1017.681
max = mean + 0.75 σ = 1036.37
Moon angle =138.68°
Moon phase =54.42%
Azimuth =118.88°
Elevation =83.6°
Hour Angle =-00:25:29.21°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0° E of N
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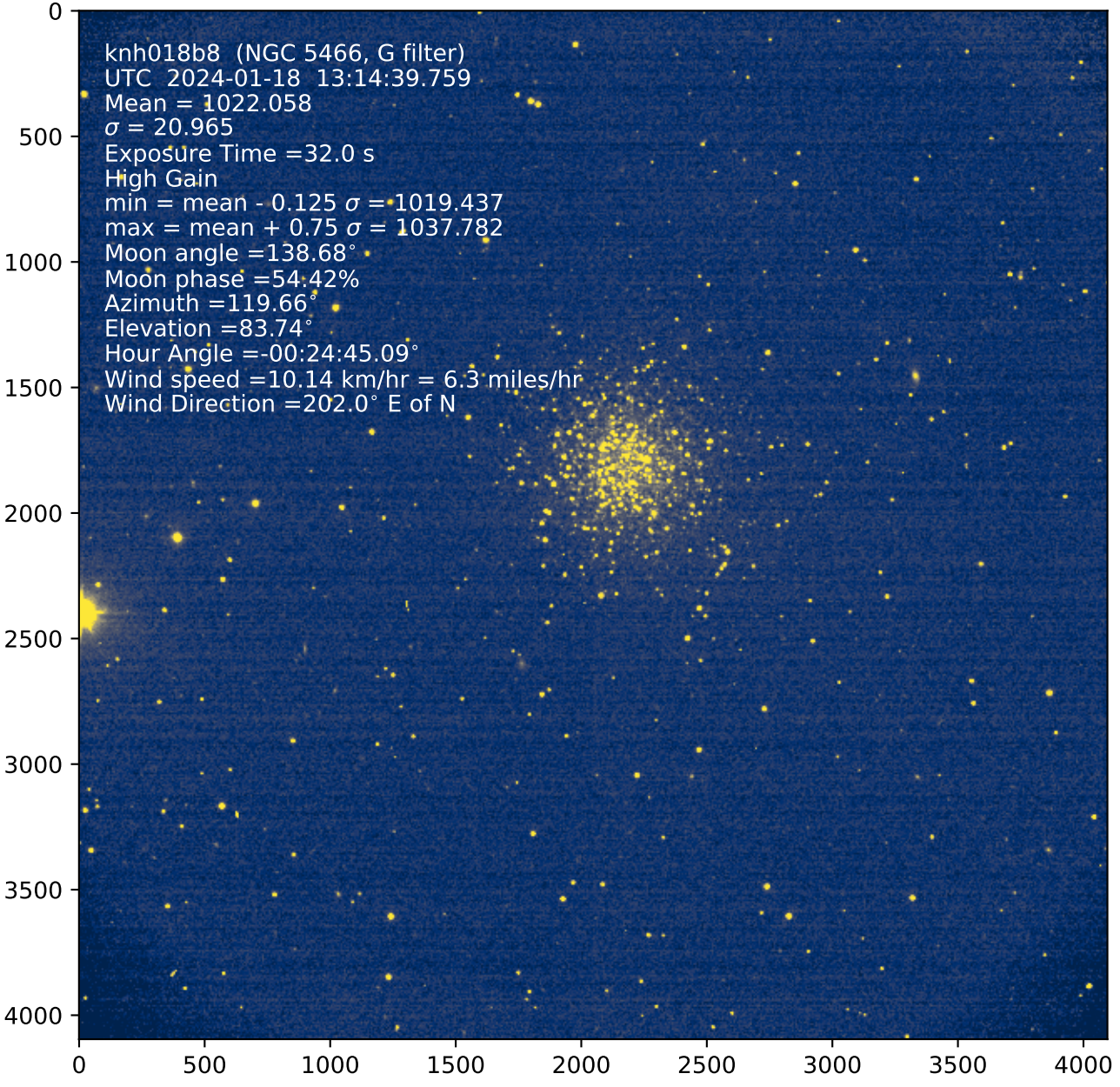
knh018b8 (NGC 5466, G filter)
UTC 2024-01-18 13:14:39.759
Mean = 1022.058
σ = 20.965
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1019.437
max = mean + 0.75 σ = 1037.782
Moon angle =138.68°
Moon phase =54.42%
Azimuth =119.66°
Elevation =83.74°
Hour Angle =-00:24:45.09°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0° E of N
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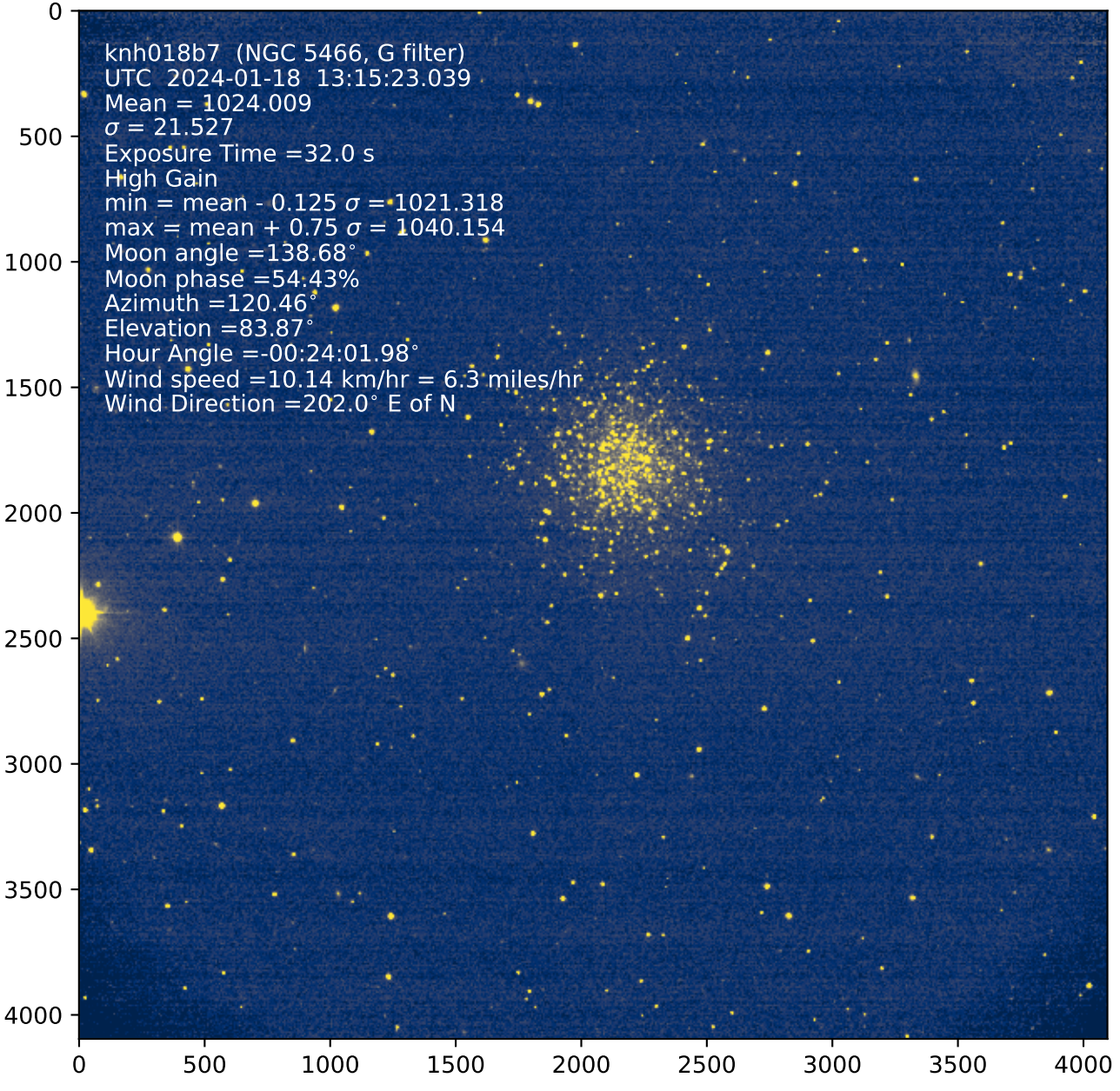
knh018b7 (NGC 5466, G filter)
UTC 2024-01-18 13:15:23.039
Mean = 1024.009
σ = 21.527
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1021.318
max = mean + 0.75 σ = 1040.154
Moon angle =138.68°
Moon phase =54.43%
Azimuth =120.46°
Elevation =83.87°
Hour Angle =-00:24:01.98°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0° E of N
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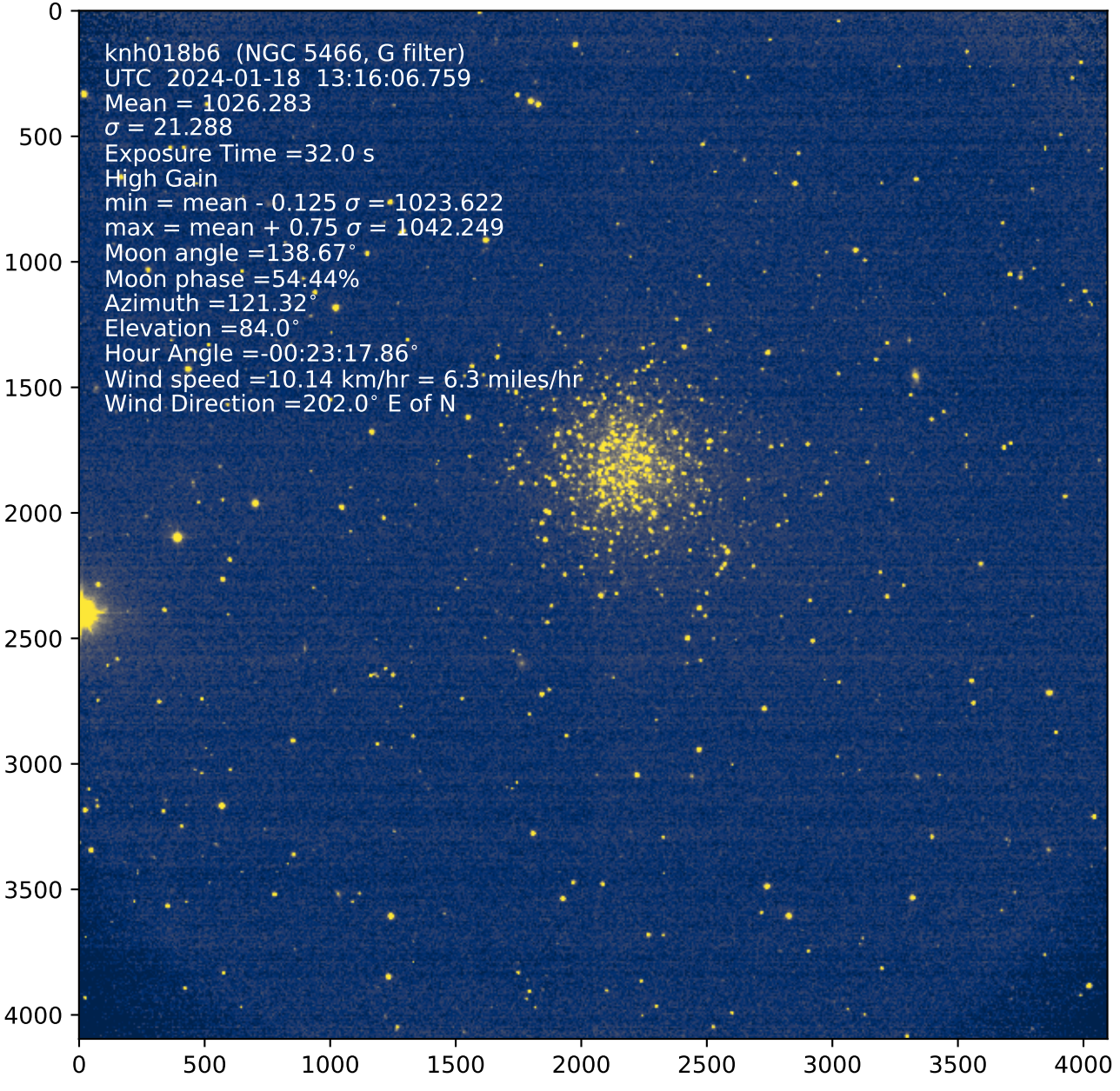
knh018b6 (NGC 5466, G filter)
UTC 2024-01-18 13:16:06.759
Mean = 1026.283
σ = 21.288
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1023.622
max = mean + 0.75 σ = 1042.249
Moon angle =138.67°
Moon phase =54.44%
Azimuth =121.32°
Elevation =84.0°
Hour Angle =-00:23:17.86°
Wind speed =10.14 km/hr = 6.3 miles/hr
Wind Direction =202.0° E of N
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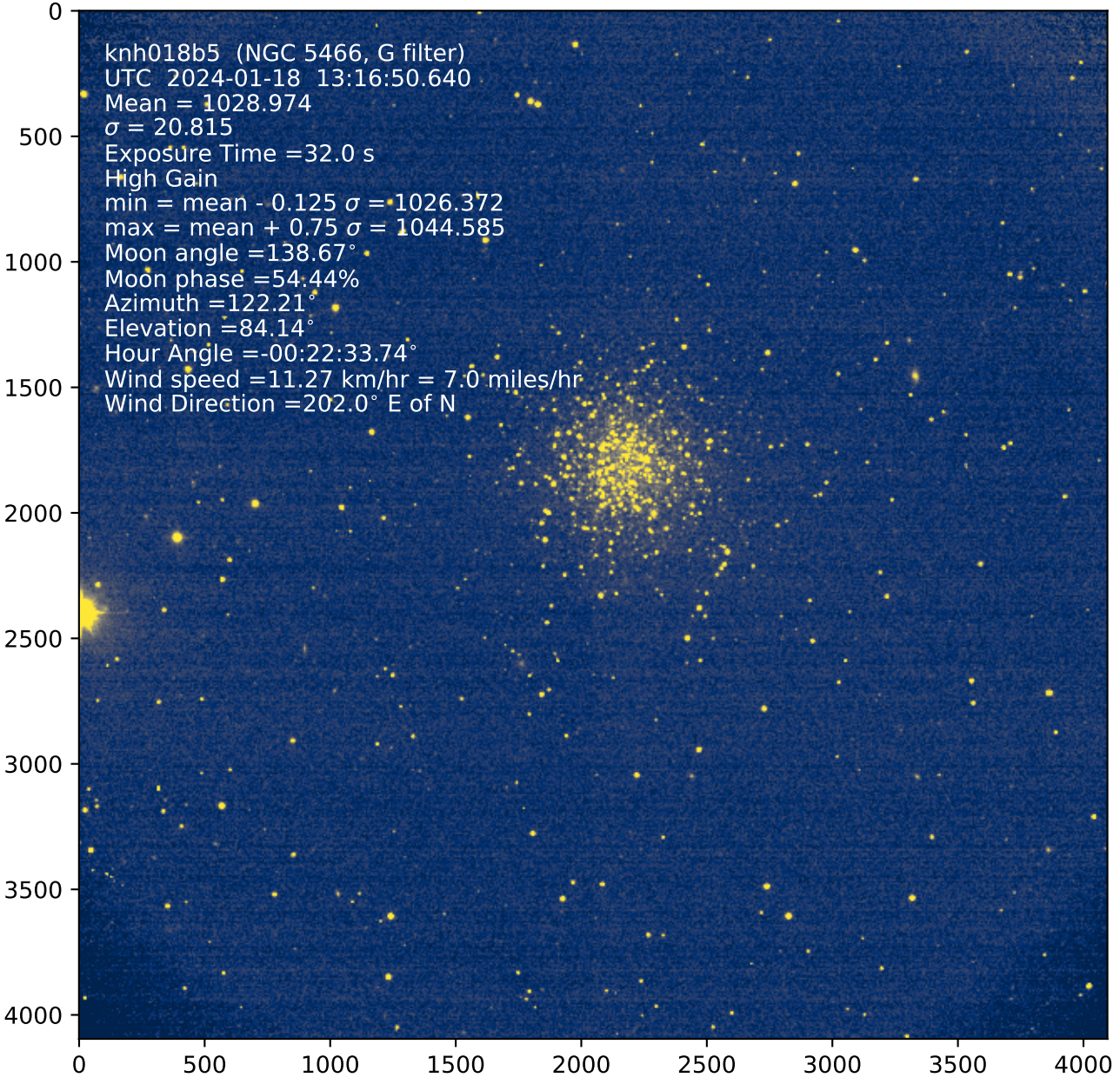
knh018b5 (NGC 5466, G filter)
UTC 2024-01-18 13:16:50.640
Mean = 1028.974
σ = 20.815
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1026.372
max = mean + 0.75 σ = 1044.585
Moon angle =138.67°
Moon phase =54.44%
Azimuth =122.21°
Elevation =84.14°
Hour Angle =-00:22:33.74°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =202.0° E of N
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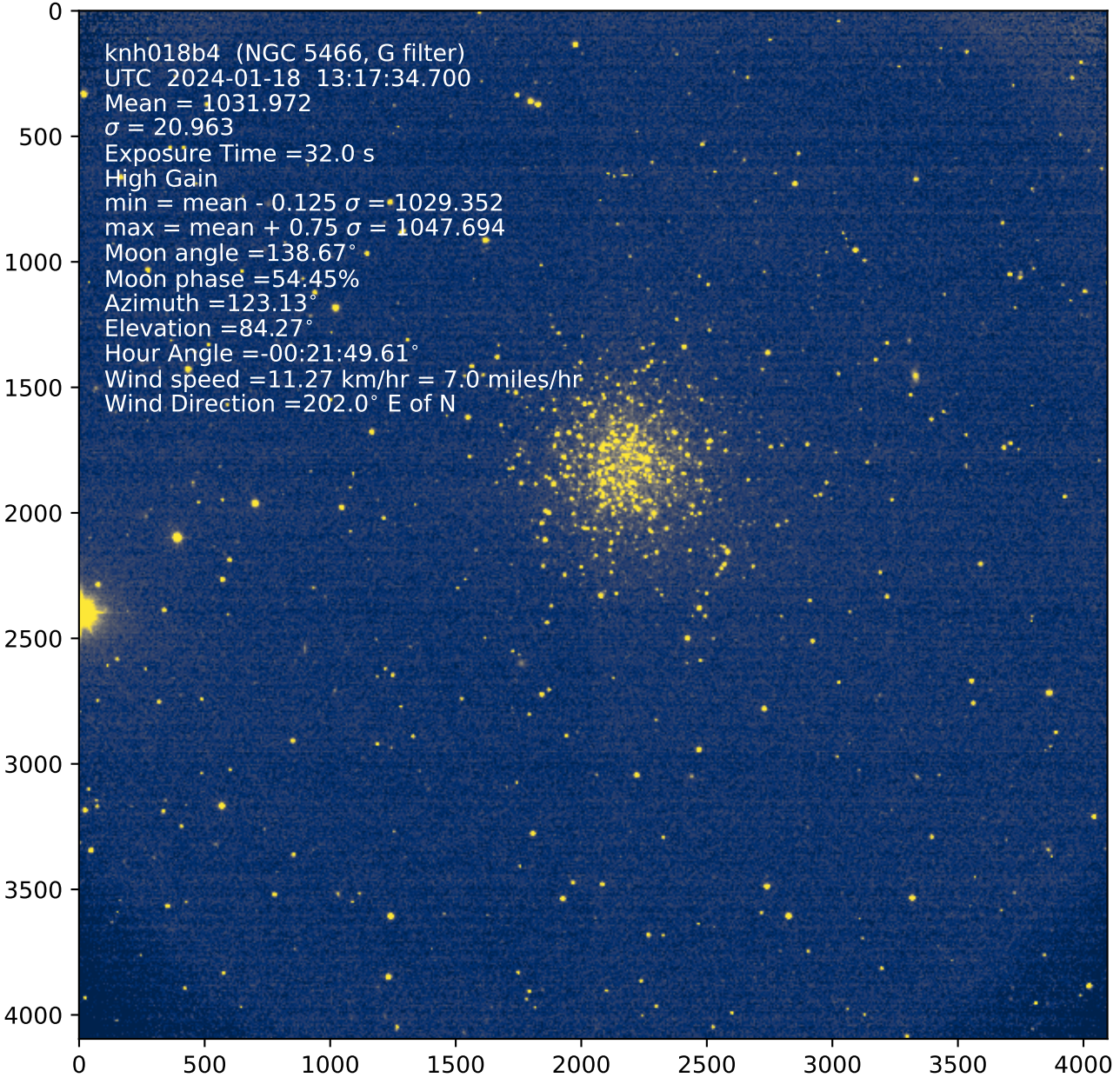
knh018b4 (NGC 5466, G filter)
UTC 2024-01-18 13:17:34.700
Mean = 1031.972
σ = 20.963
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1029.352
max = mean + 0.75 σ = 1047.694
Moon angle =138.67°
Moon phase =54.45%
Azimuth =123.13°
Elevation =84.27°
Hour Angle =-00:21:49.61°
Wind speed =11.27 km/hr = 7.0 miles/hr
Wind Direction =202.0° E of N
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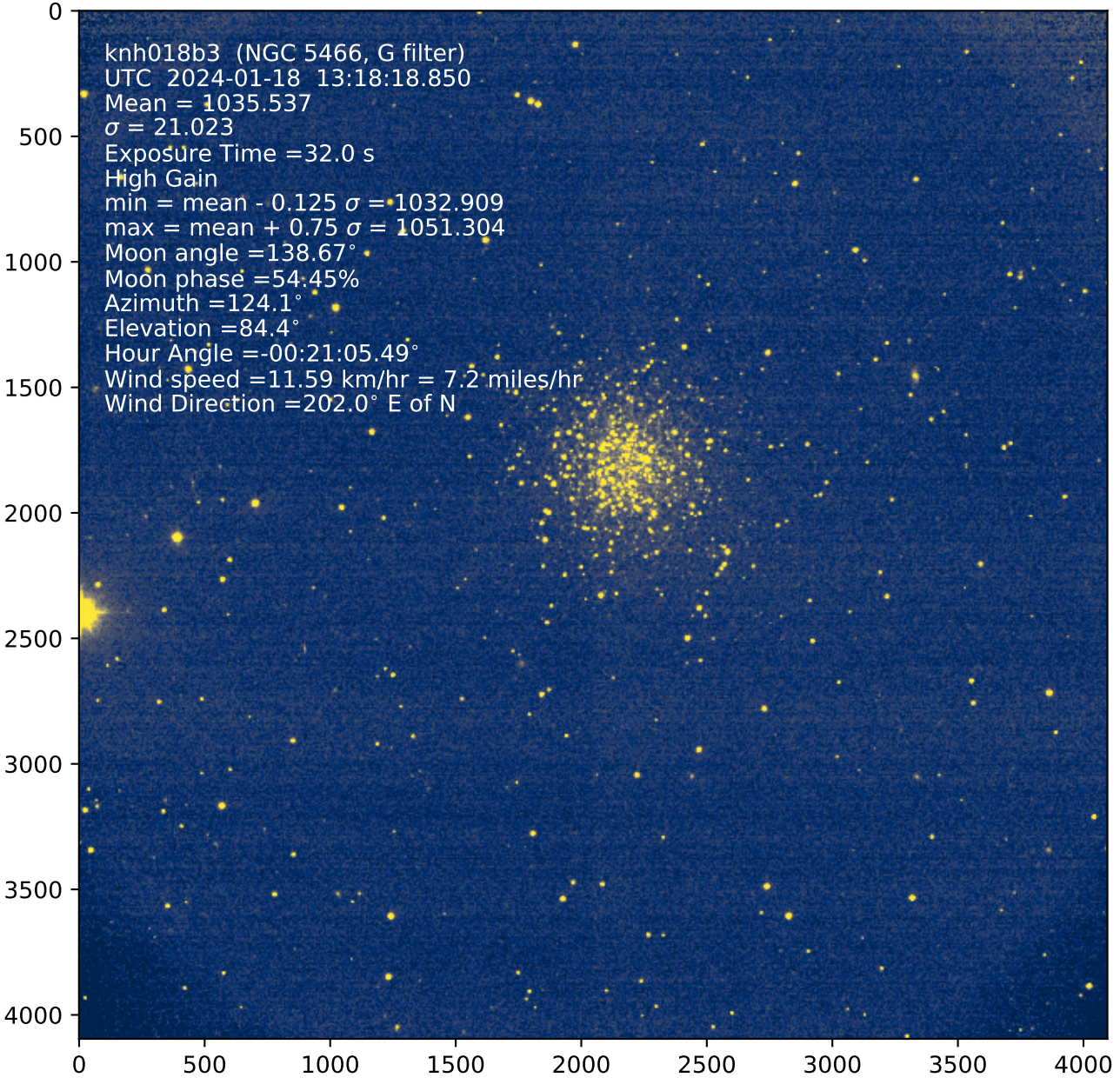
knh018b3 (NGC 5466, G filter)
UTC 2024-01-18 13:18:18.850
Mean = 1035.537
σ = 21.023
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1032.909
max = mean + 0.75 σ = 1051.304
Moon angle =138.67°
Moon phase =54.45%
Azimuth =124.1°
Elevation =84.4°
Hour Angle =-00:21:05.49°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =202.0° E of N
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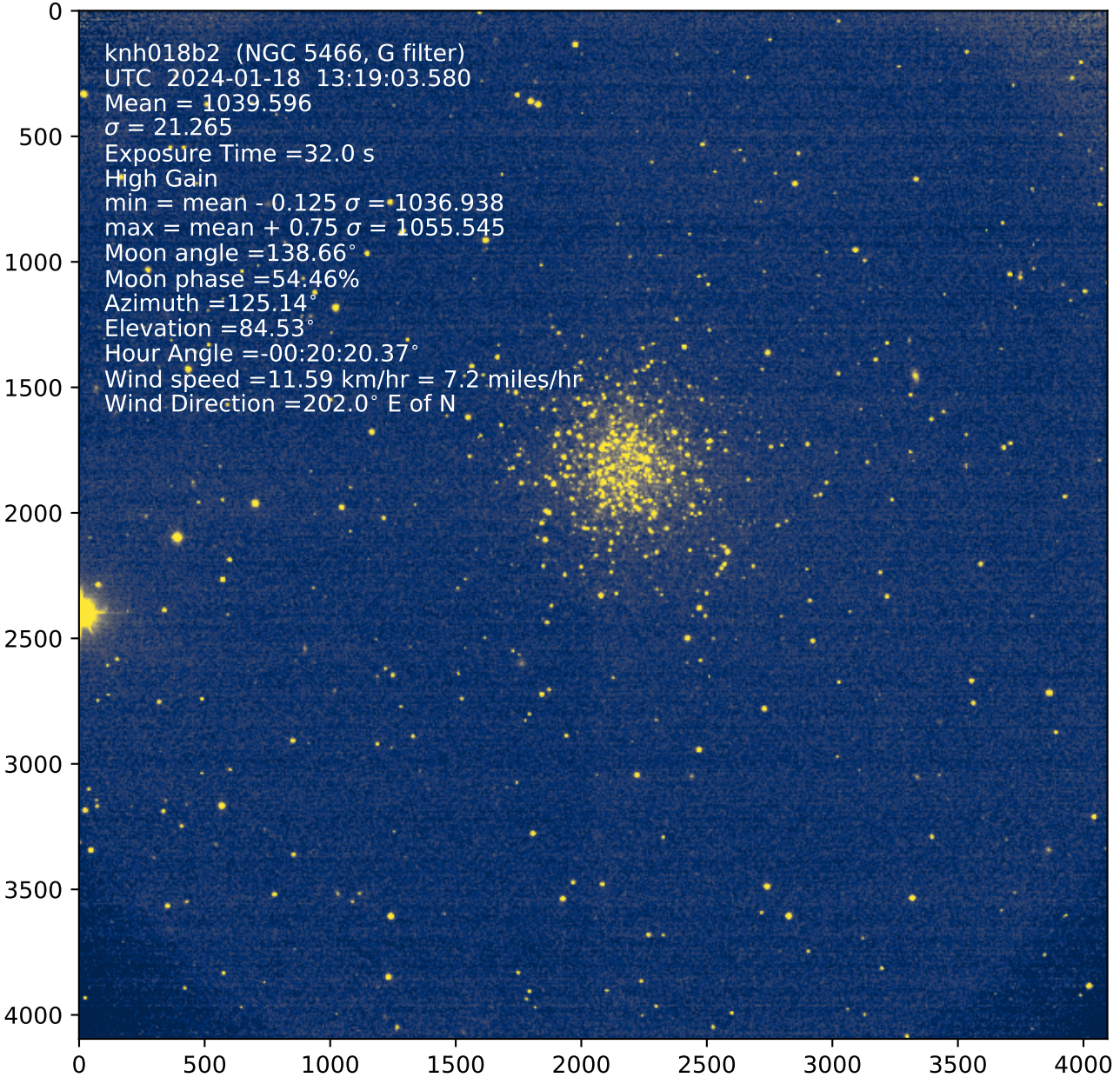
knh018b2 (NGC 5466, G filter)
UTC 2024-01-18 13:19:03.580
Mean = 1039.596
σ = 21.265
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1036.938
max = mean + 0.75 σ = 1055.545
Moon angle =138.66°
Moon phase =54.46%
Azimuth =125.14°
Elevation =84.53°
Hour Angle =-00:20:20.37°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =202.0° E of N
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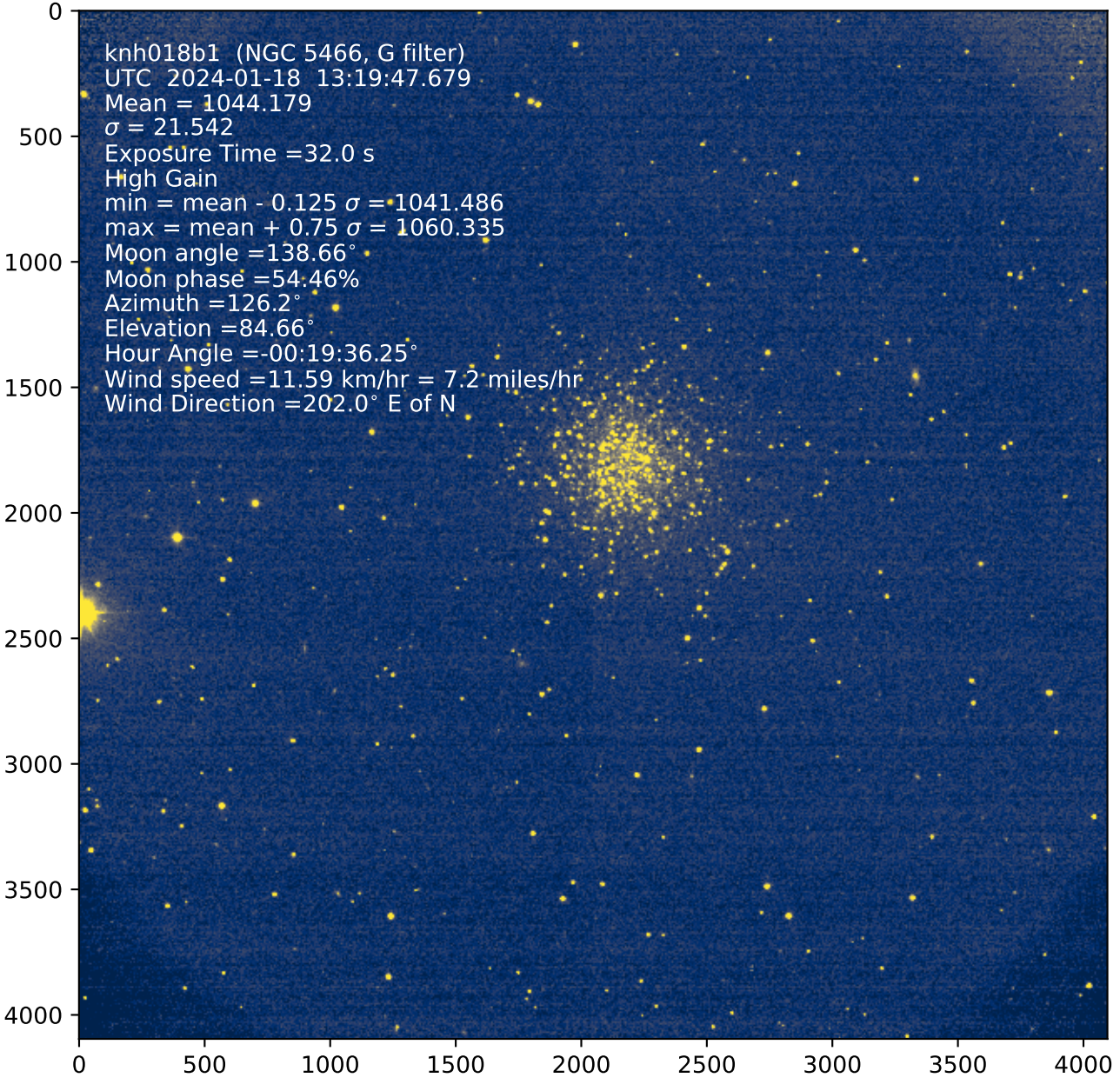
knh018b1 (NGC 5466, G filter)
UTC 2024-01-18 13:19:47.679
Mean = 1044.179
σ = 21.542
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1041.486
max = mean + 0.75 σ = 1060.335
Moon angle =138.66°
Moon phase =54.46%
Azimuth =126.2°
Elevation =84.66°
Hour Angle =-00:19:36.25°
Wind speed =11.59 km/hr = 7.2 miles/hr
Wind Direction =202.0° E of N
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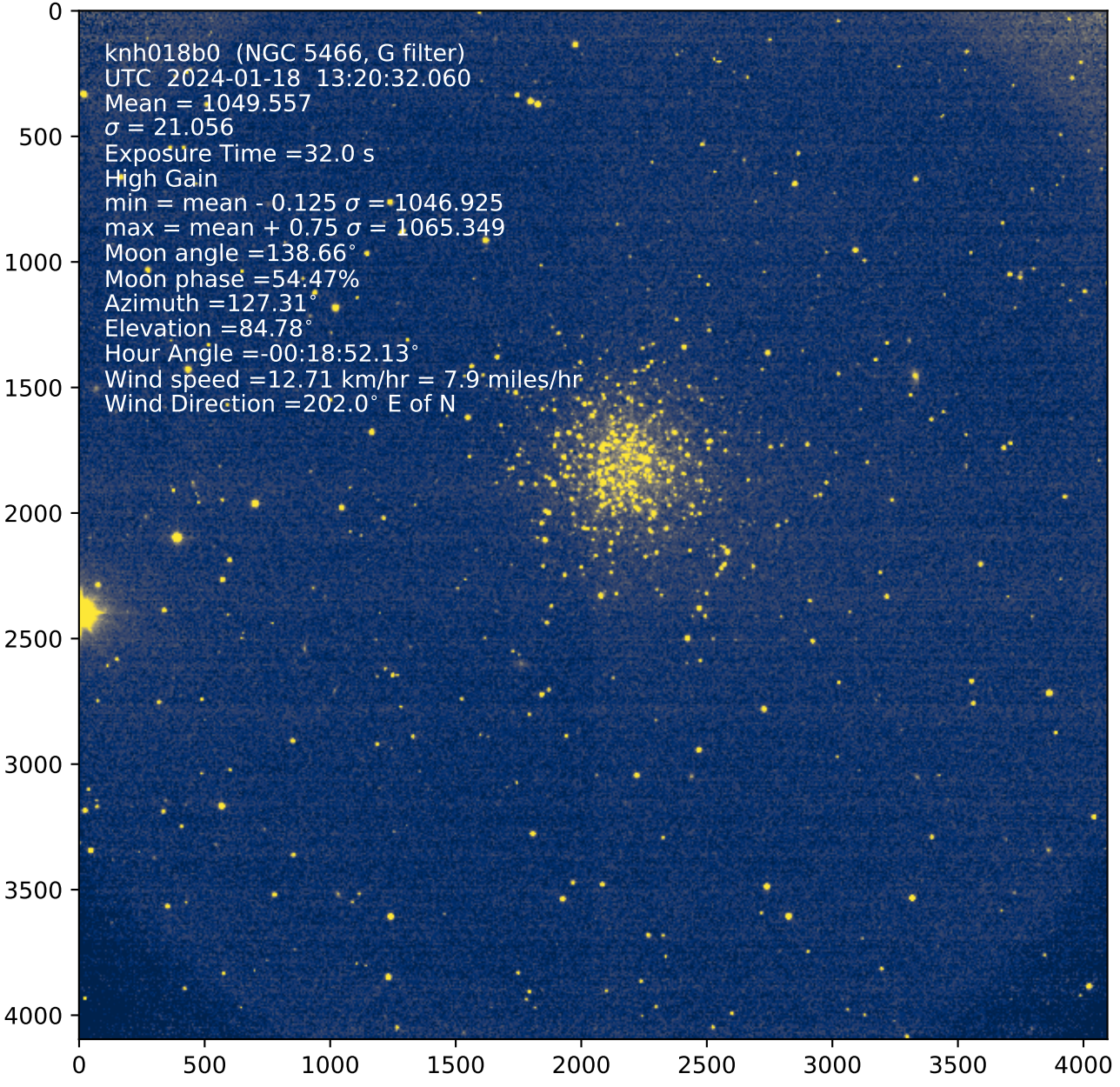
knh018b0 (NGC 5466, G filter)
UTC 2024-01-18 13:20:32.060
Mean = 1049.557
σ = 21.056
Exposure Time =32.0 s
High Gain
min = mean - 0.125 σ = 1046.925
max = mean + 0.75 σ = 1065.349
Moon angle =138.66°
Moon phase =54.47%
Azimuth =127.31°
Elevation =84.78°
Hour Angle =-00:18:52.13°
Wind speed =12.71 km/hr = 7.9 miles/hr
Wind Direction =202.0° E of N
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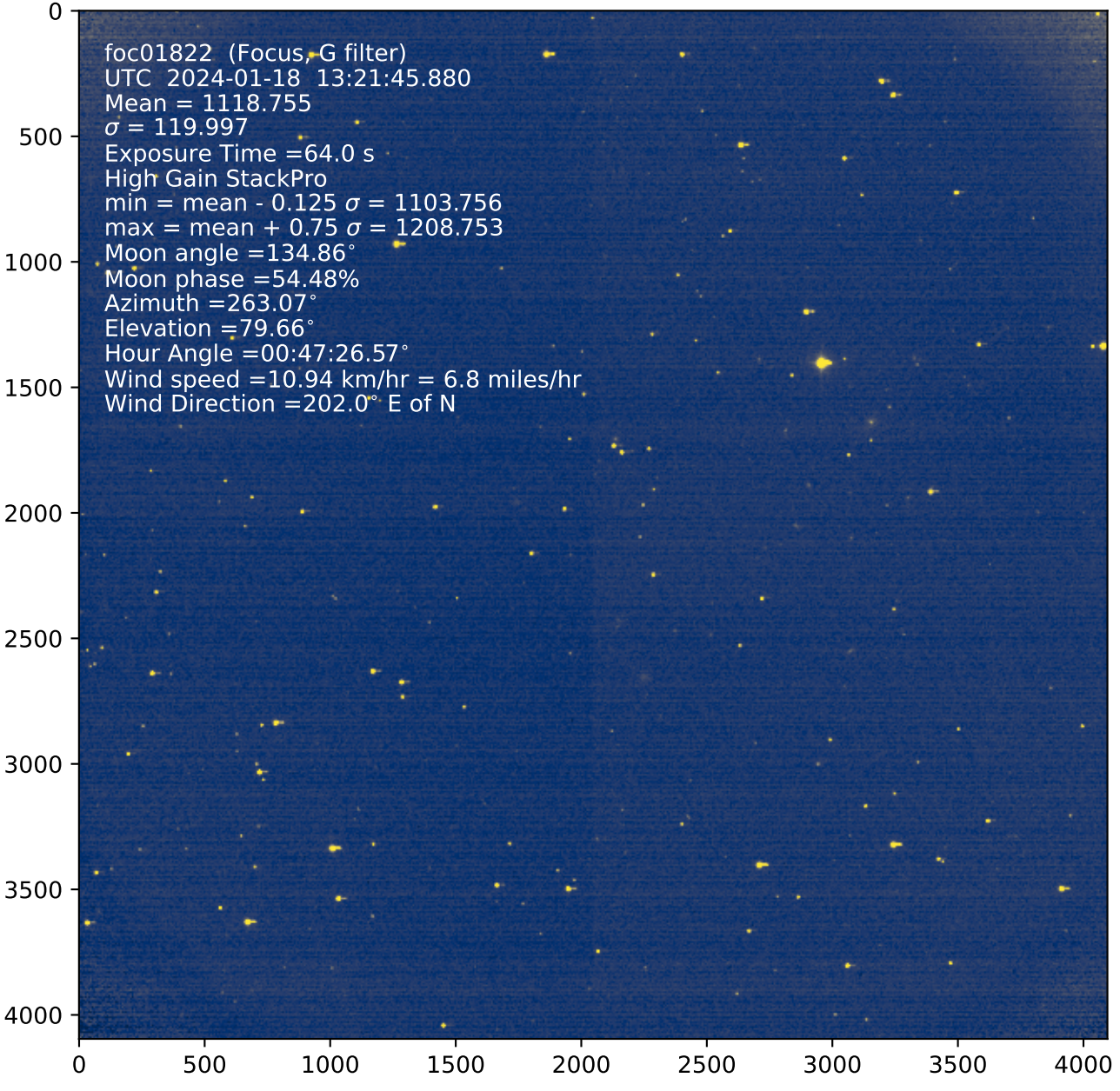
foc01822 (Focus, G filter)
UTC 2024-01-18 13:21:45.880
Mean = 1118.755
σ = 119.997
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1103.756
max = mean + 0.75 σ = 1208.753
Moon angle =134.86°
Moon phase =54.48%
Azimuth =263.07°
Elevation =79.66°
Hour Angle =00:47:26.57°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =202.0° E of N
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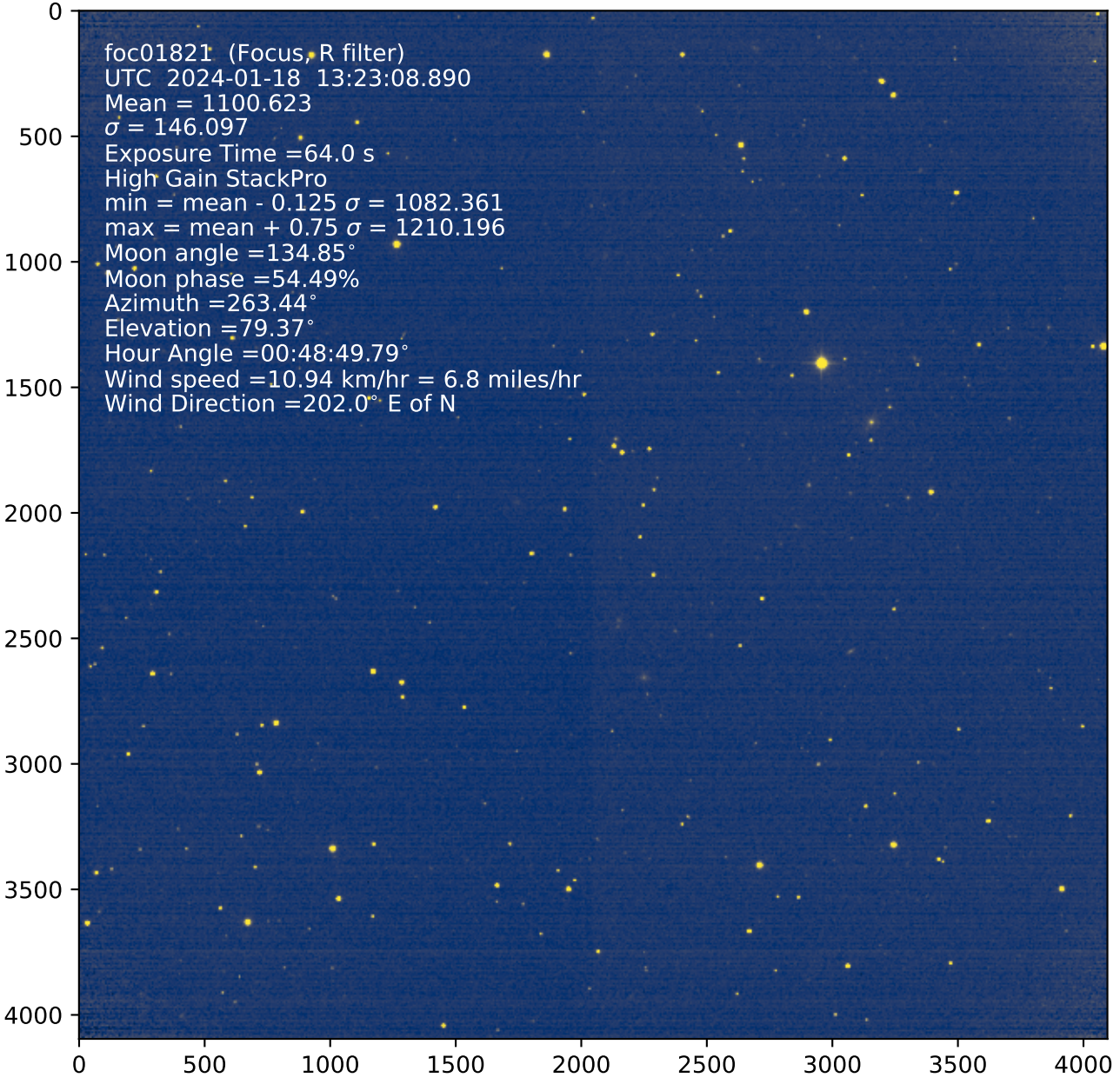
foc01821 (Focus, R filter)
UTC 2024-01-18 13:23:08.890
Mean = 1100.623
σ = 146.097
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1082.361
max = mean + 0.75 σ = 1210.196
Moon angle =134.85°
Moon phase =54.49%
Azimuth =263.44°
Elevation =79.37°
Hour Angle =00:48:49.79°
Wind speed =10.94 km/hr = 6.8 miles/hr
Wind Direction =202.0° E of N
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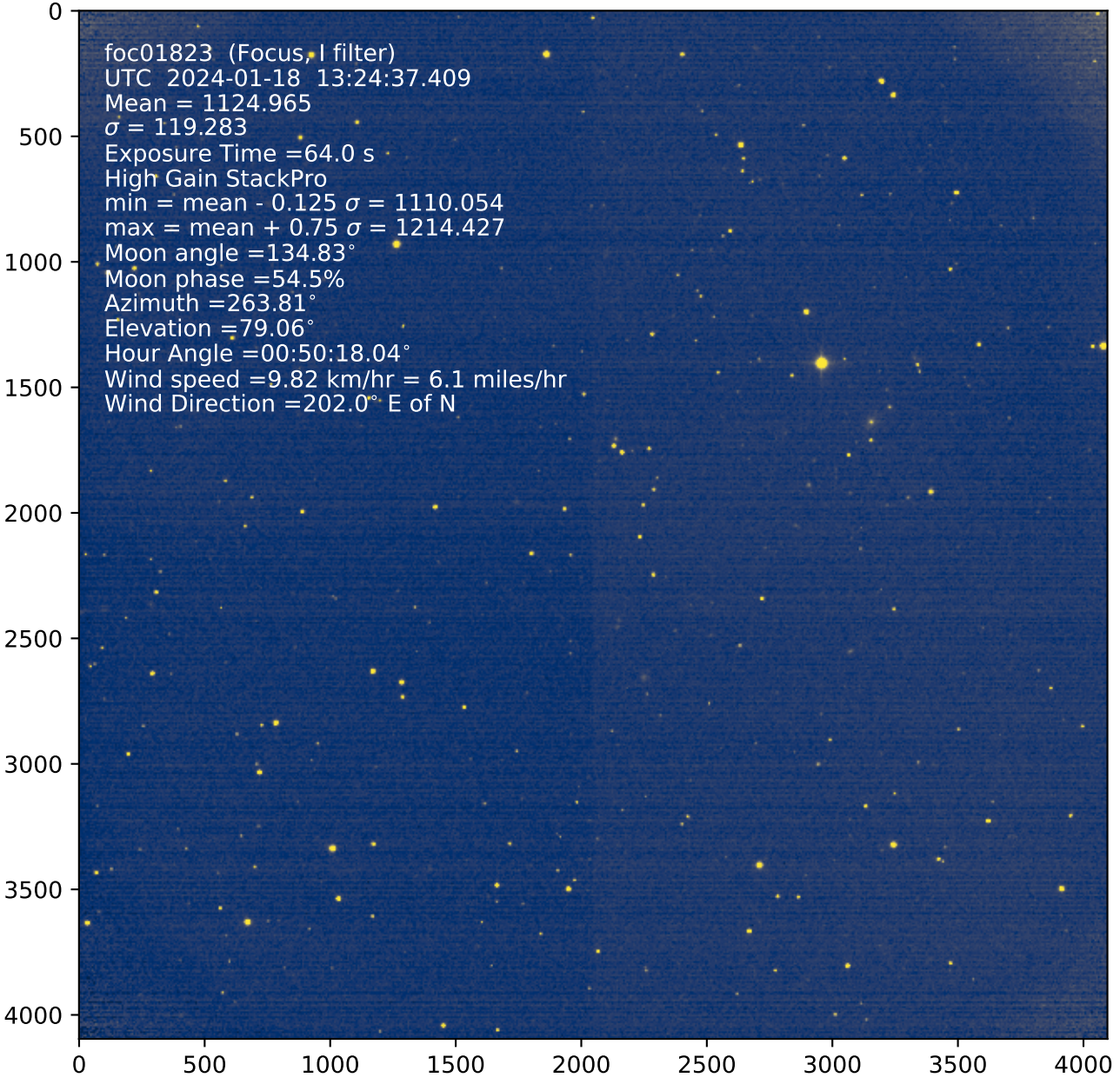
foc01823 (Focus, I filter)
UTC 2024-01-18 13:24:37.409
Mean = 1124.965
σ = 119.283
Exposure Time =64.0 s
High Gain StackPro
min = mean - 0.125 σ = 1110.054
max = mean + 0.75 σ = 1214.427
Moon angle =134.83°
Moon phase =54.5%
Azimuth =263.81°
Elevation =79.06°
Hour Angle =00:50:18.04°
Wind speed =9.82 km/hr = 6.1 miles/hr
Wind Direction =202.0° E of N
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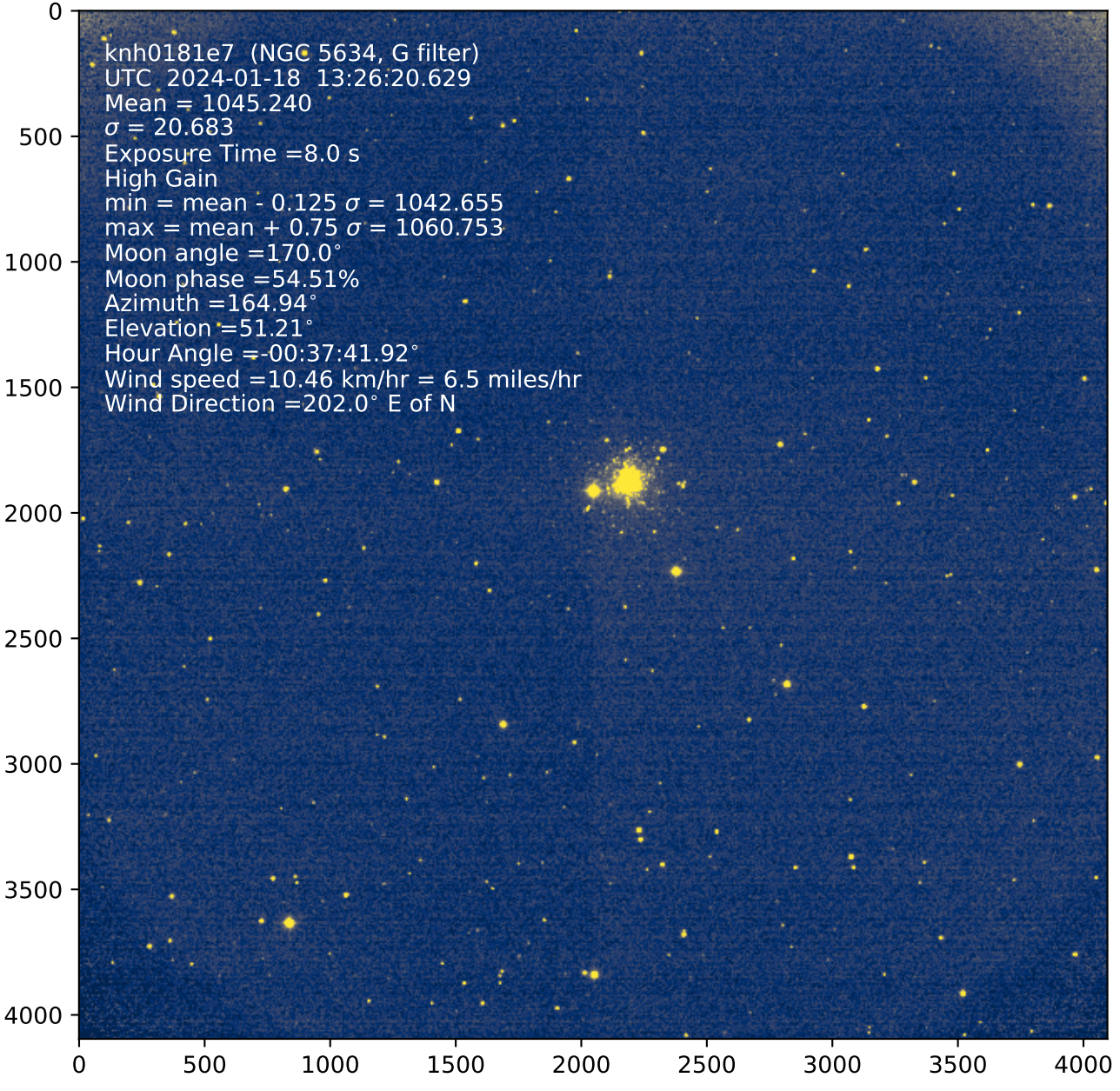
knh0181e7 (NGC 5634, G filter)
UTC 2024-01-18 13:26:20.629
Mean = 1045.240
σ = 20.683
Exposure Time =8.0 s
High Gain
min = mean - 0.125 σ = 1042.655
max = mean + 0.75 σ = 1060.753
Moon angle =170.0°
Moon phase =54.51%
Azimuth =164.94°
Elevation =51.21°
Hour Angle =-00:37:41.92°
Wind speed =10.46 km/hr = 6.5 miles/hr
Wind Direction =202.0° E of N
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